



# **CAMBRIDGE BRASS<sup>TM</sup>** **INC**



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## **U.S.A. Catalog** **2025**





## Terms & Conditions

- Prices** All prices are subject to applicable taxes.  
All shipments will be invoiced at prices in effect at time of shipments.  
Prices shown are "Each" P.O.A. Means price on applications.
- Terms:** 2% - 15th of month following date of invoice. Net 30th.  
We reserve the right to charge interest on overdue accounts at the rate of 2% per month.  
Minimum net invoice - \$210.00 for assemblies, fittings
- Transportation:** Full freight allowed and prepaid on orders of \$7,350.00 net or more. We reserve the right to ship the most economical way by the lowest approved freight rates. Brass shipments to Hawaii, Mexico or Alaska will be equalized to nearest trucking or rail terminal.
- Conditions:** All orders accepted subject to approved credit. Orders for special articles not subject to cancellation.
- Return Goods:** Permission must be obtained from our Office before material is returned. Credit will be issued at invoice prices, less minimum 30% handling charges, less whatever expense is involved in restoring goods to saleable condition, and outgoing charges, if goods originally shipped prepaid. Returns must be prepaid. A minimum handling charge of \$26.25 will apply.
- Warranty:** See back page of price list.
- Claims:** Claims for shortages will not be allowed unless made within 14 days after receipt of goods.



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# HAVE AN IDEA?

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here to develop solutions  
that make your job easier!**



Scan the QR code  
to submit your ideas!

**Innovation  
Products**



**RANGER**



**Integral Saddle**



**TITAN™**



**Cambridge Coupling**





### **Keeping Pace with Innovation**

As customer expectations rise, Cambridge Brass is keeping pace to accelerate product lifecycles and provide breakthrough innovations that meet customer demands. Our Product & Engineering Services leverage more than 118 years of engineering experience to design, test systems, manage product information and create products all under one roof. Our customers recognize that our involvement from the beginning of the design concept enables us to bring value to their projects throughout the product development process.

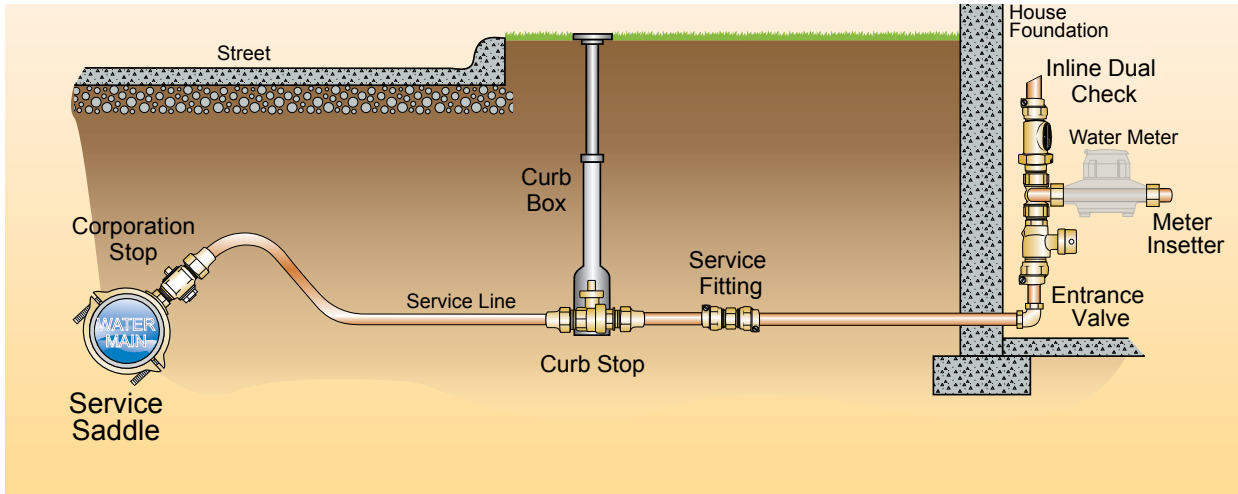
# Engineering

## 2025

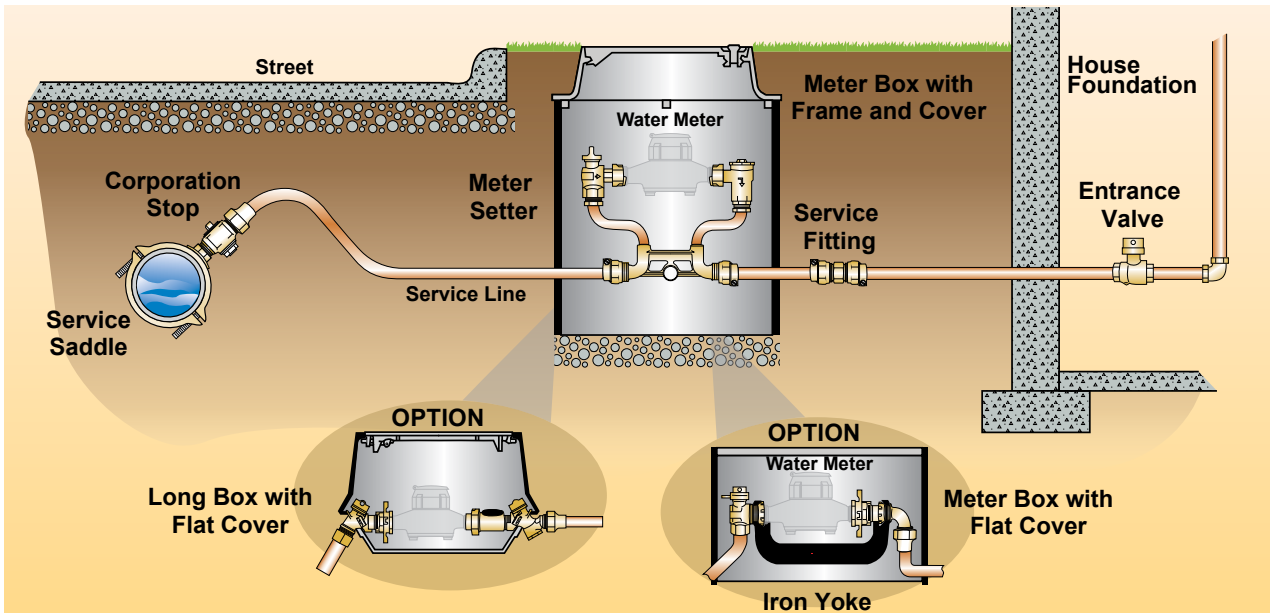


## Water Service Lateral

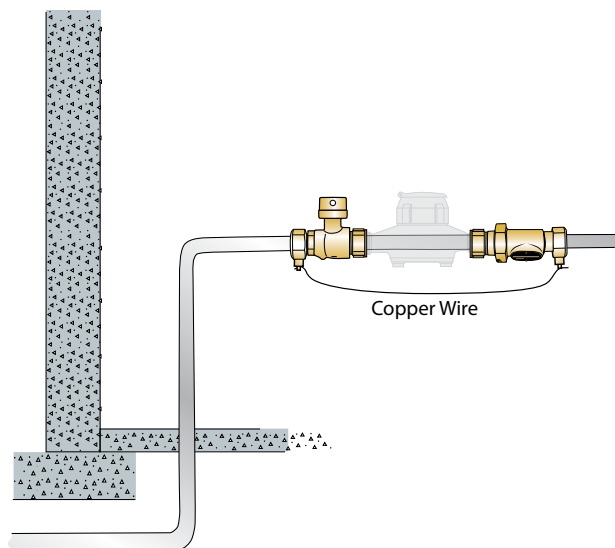
### Northern Installation



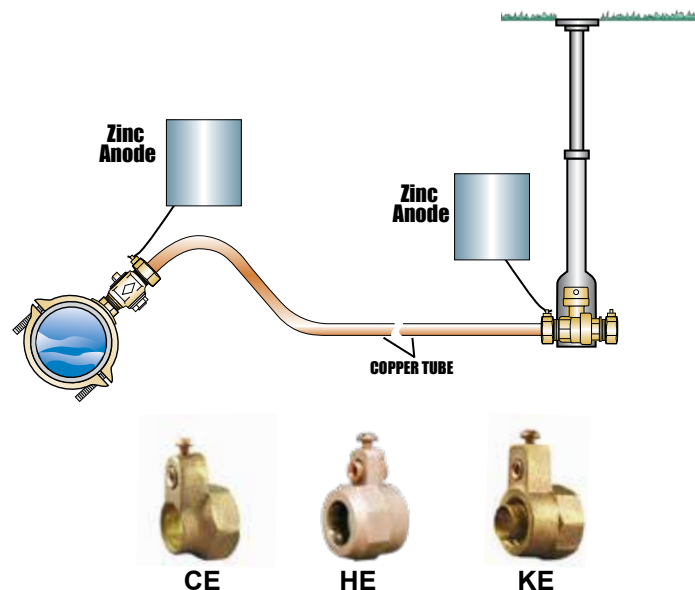
### Southern Installation



## Electrical Continuity

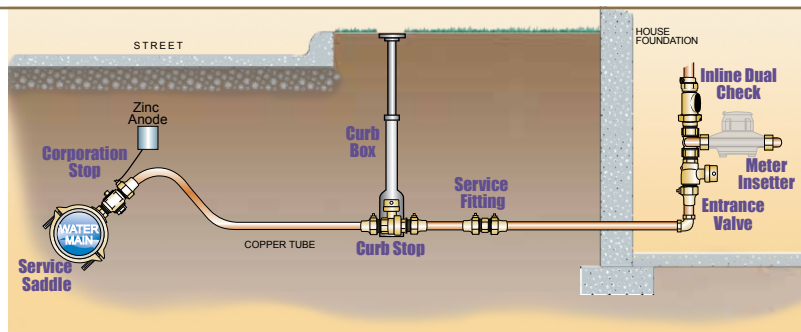


## Anode Nut Options



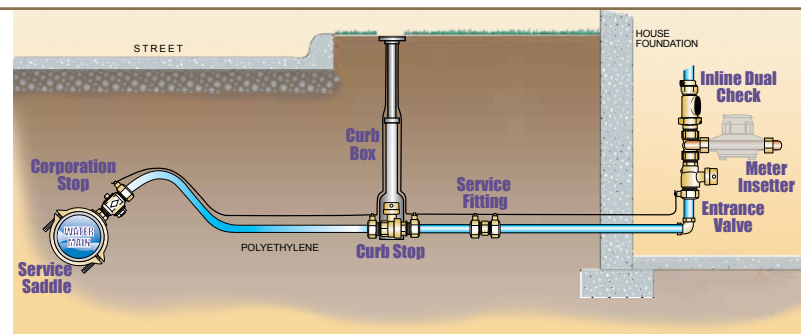
## Sacrificial Anode

In cathodic protection, a metal anode that is more reactive to the corrosive environment of the system to be protected is linked to the protected system, and partially corrodes or dissolves, which protects the metal of the system it is connected to. As an example, a Ductile Iron water main may be protected by a zinc sacrificial anode, which will dissolve into the wet earth around the main and prevent the water main from being corroded. Sacrificial anodes are particularly needed for systems where a static charge is generated by the action of flowing liquids, such as pipelines.



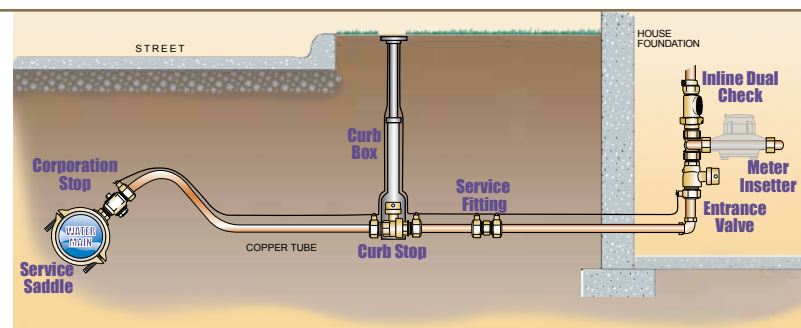
## Tracer Wire / Locator Nut

Tracer wire (also known as locating wire) is used frequently by utility companies to locate buried service lines made of plastic. Tracer wire is buried alongside plastic service lines that are installed underground, to assist in locating them for service and repairs. This practice saves contractors and consumers time, money and inconvenience, but only when the tracer wire maintains its integrity so that a line needing service can be promptly located.



## Thaw Wire

An installation that incorporates a thaw wire is one that could potentially freeze under extreme cold weather conditions. A copper wire is normally connected to various positions along a copper service line so an electrical device such as an arc welder could apply electric current to unfreeze the water line, if necessary.





## Outside Diameter Chart

Types of Pipe/Tubing for use with Cambridge Brass Fittings (Outside Diameters listed)

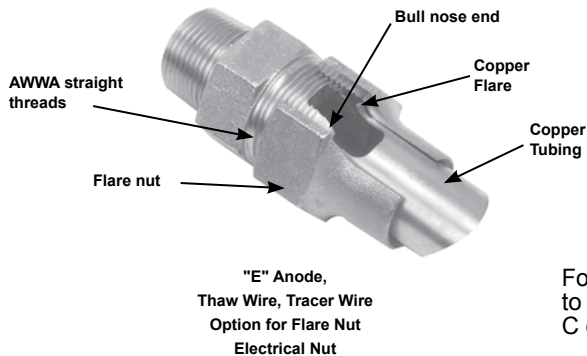
|                      | CTS                           | CTS   | CTS  | CTS   | PEP Accepts  |
|----------------------|-------------------------------|---|--|---|--|
| NOMINAL SIZE         | TYPE K or L<br>COPPER<br>TUBE | POLYETHYLENE<br>ASTM D2737 SDR 9<br>TUBE SIZE | PEX TUBING<br>ASTM F876<br>SDR 9<br>CSA B137.5 | POLYBUTYLENE<br>ASTM D2666<br>SDR 9<br>TUBE SIZE<br>CLASS 250 | POLYBUTYLENE<br>ASTM D2662 SDR 7<br>or POLYETHYLENE<br>ASTM D2239 SDR 7<br>POLYETHYLENE<br>PIPE SIZE |
| 1/2"                 | $\frac{.622}{.628}$           | $\frac{.621}{.629}$                           | $\frac{.621}{.629}$                            | $\frac{.625}{.633}$   | $\frac{.79}{.85}$  |
| 5/8"                 |                               |   |  |   |  |
| 3/4"                 | $\frac{.872}{.878}$           | $\frac{.871}{.879}$                           | $\frac{.871}{.879}$                            | $\frac{.875}{.883}$   | $\frac{1.045}{1.110 (1.089)}$  |
| 1"                   | $\frac{1.121}{1.129}$         | $\frac{1.120}{1.130}$                         | $\frac{1.120}{1.130}$                          | $\frac{1.125}{1.135}$   | $\frac{1.329}{1.399 (1.384)}$  |
| 1 1/4"               | $\frac{1.371}{1.379}$         | $\frac{1.370}{1.380}$                         | $\frac{1.370}{1.380}$                          | $\frac{1.375}{1.385}$   | $\frac{1.754}{1.832 (1.804)}$  |
| 1 1/2"               | $\frac{1.621}{1.630}$         | $\frac{1.619}{1.631}$                         | $\frac{1.619}{1.631}$                          | $\frac{1.625}{1.637}$   | $\frac{2.050}{2.141 (2.109)}$  |
| 2"                   | $\frac{2.120}{2.130}$         | $\frac{2.119}{2.131}$                         | $\frac{2.119}{2.131}$                          | $\frac{2.125}{2.137}$   | $\frac{2.637}{2.742 (2.709)}$  |
| Type of Fitting      | C, H, J, GJ, B                | H, J, GJ, B                                   | H, J, GJ, B                                    | H, J, GJ, B   | PE   |
| Type of SS Stiffener |                               | 86  | 86   | 86  | 87   |

# Outside Diameter Chart

Types of Pipe/Tubing for use with Cambridge Brass (Outside Diameters listed)

| C903                 |                       | PVC                                 | IPS   | IP                    | LEAD PIPE             |                       |                                |
|----------------------|-----------------------|-------------------------------------|---|-----------------------|-----------------------|-----------------------|--------------------------------|
| NOMINAL SIZE         | C903                  | BRASS PIPE & PVC ASTM D1785 SCH. 40 | POLYETHYLENE ASTM D3035 SDR 9 / SDR 11 OD CONTROLLED IRON PIPE SIZE | STEEL PIPE            | STRONG S or A         | EXTRA STRONG XS or AA | DOUBLE EXTRA STRONG XXS or AAA |
| 1/2"                 |                       | <u>.836</u><br>.844                 |   | <u>.836</u><br>.844   | <u>.783</u><br>.813   | <u>.861</u><br>.891   | <u>.997</u><br>1.027           |
| 5/8"                 |                       |                                     |   |                       | <u>1.004</u><br>1.034 | <u>1.067</u><br>1.097 | <u>1.122</u><br>1.152          |
| 3/4"                 | <u>.984</u><br>.996   | <u>1.046</u><br>1.054               | <u>1.046</u><br>1.054   | <u>1.046</u><br>1.054 | <u>1.141</u><br>1.171 | <u>1.197</u><br>1.227 | <u>1.321</u><br>1.351          |
| 1"                   | <u>1.260</u><br>1.272 | <u>1.310</u><br>1.320               | <u>1.310</u><br>1.320   | <u>1.310</u><br>1.320 | <u>1.413</u><br>1.443 | <u>1.477</u><br>1.507 | <u>1.581</u><br>1.611          |
| 1 1/4"               |                       | <u>1.655</u><br>1.665               | <u>1.655</u><br>1.665   | <u>1.655</u><br>1.665 | <u>1.655</u><br>1.685 | <u>1.750</u><br>1.780 | <u>1.874</u><br>1.904          |
| 1 1/2"               |                       | <u>1.894</u><br>1.906               | <u>1.894</u><br>1.906   | <u>1.894</u><br>1.906 | <u>1.969</u><br>1.999 | <u>2.061</u><br>2.091 | <u>2.257</u><br>2.287          |
| 2"                   |                       | <u>2.369</u><br>2.381               | <u>2.369</u><br>2.381   | <u>2.369</u><br>2.381 | <u>2.488</u><br>2.518 | <u>2.736</u><br>2.766 | <u>2.993</u><br>3.023          |
| Type of Fitting      | K                     | PJ                                  | PJ  | PJ, IP                | X                     | XS                    | XXS                            |
| Type of SS Stiffener |                       |                                     | 88, 89, 84  |                       |                       |                       |                                |

## Flare



For this feature add "E" to the connection type H, C or K.

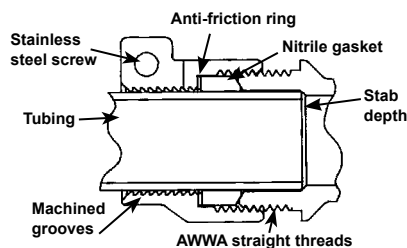
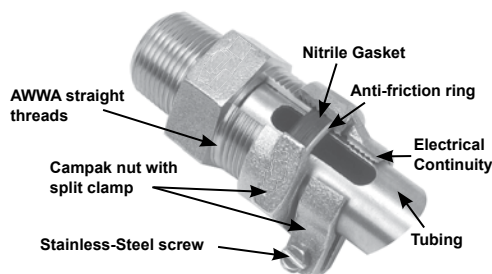
### INTENDED FOR USE ON COLD WATER SERVICES

1. Handle parts carefully, do not drop, protect threads from damage
  2. Do not interchange parts with other manufacturers
  3. USE A SMOOTH-JAWED ADJUSTABLE WRENCH that fully and evenly engages wrenching flats. Loose fitting wrenches and pipe wrenches may distort and damage the part resulting in leakage
  4. AWWA and tapered pipe threads require a good quality sealant or PTFE tape before mating
  5. Use only pipes and fittings intended for use together. Check specifications
  6. Use Stainless-Steel inserts to reinforce flexible plastic pipes
  7. Piping must be round and cut square, clean, and smooth with proper tools. Do Not Use A Hacksaw
  8. PRESSURE TEST ALL JOINTS, VALVES AND FITTINGS BEFORE BACKFILLING
  9. Do not allow water to freeze within valves and fittings. Expansion of ice may damage the part
- DAMAGE DUE TO IMPROPER INSTALLATION, HANDLING OR FREEZING OF WATER IN THE PART WILL VOID THE WARRANTY

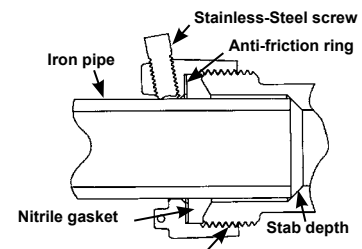
## Campak, B, PE, PJ, IP Compression

Campak, B, PE, PE, PJ, strong lead, extra strong lead or double extra strong lead is stabbed thru nut and gasket/friction ring assembly to stab depth. Hand tight plus 1 1/2 turns, which compresses the Nitrile gasket, which creates a water-tight seal. The Stainless-Steel screw is tightened to contact the brass clamp to the opposite side, for pull-out strength.

Iron pipe (IP) is stabbed thru nut and gasket/friction ring assembly to stab depth. The nut is tightened to hand plus 1 1/2 turns, which compresses the gasket, which creates a water-tight seal. The Stainless-Steel screw or screws are tightened to the required torque, for pull-out strength.



DO NOT OVERTIGHTEN



**NOTE:** H, B, GJ, J, K nuts have the same threads and are interchangeable.

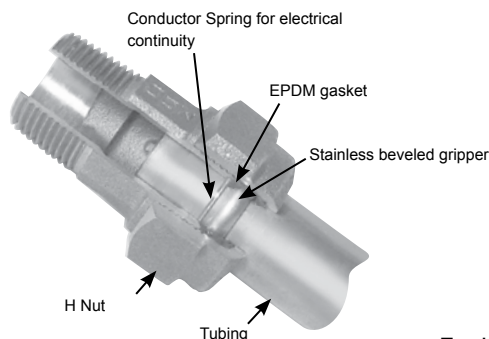
### CAMPK PEP PVC Installation

1. **CAMPK** - Use copper water pipe type K or L (ASTM B88) or CTS polyethylene pipe SDR-9 (AWWA 901, ASTM D2737)
2. **PEP** - Use polyethylene pipe ID controlled SDR-7 (ASTM D2239, D3035, D2662)
3. **PVC** - Use PVC pipe or IPS polyethylene pipe SDR-9, 11, 17
4. Loosen nut to relax gasket/ gripper combination and insert pipe through nut into the socket of the fitting
5. Push pipe in until it bottoms inside fitting body (with stops) or appropriate depth (without stops)
6. Tighten nut 1 to 1 1/2 turns after gasket starts to compress. If clamp screw is not accessible, reposition by further tightening the nut
7. To ensure against blowout of pipe, tighten the clamp screw very secure! A socket wrench is preferable to a screwdriver.



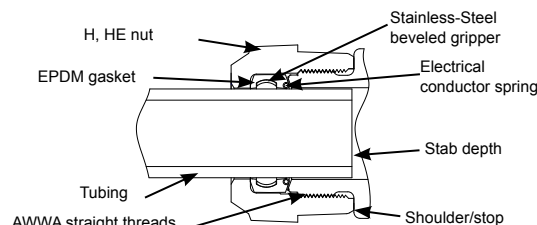
## CB Compression - H, HE

Copper tube, CTS PE is stabbed through the nut and gasket/friction ring assembly to stab depth. The H or HE nut is tightened to the stop/shoulder on the body, which compresses the EPDM gasket and Stainless-Steel beveled gripper, which creates a water-tight seal and pull-out strength. The electrical conductor spring makes positive contact between the copper tubing and the brass nut/fitting. When using with CTS PE, H or HE, the electrical conductor spring becomes purposeless.



**HE Option for Nut**

For HE feature add "E" to the  
Available for 3/4", 1", 1 1/4", 1 1/2", & 2."



"E" Anode,  
Thaw Wire, Tracer Wire  
Option for "H" Nut

**NOTE:** H, B, GJ, J, K nuts have the same threads and are interchangeable.

Any H Series connection can be changed to a **C903 Connection**. Replace the "H" in the model number with a "K." 3/4" or 1" only.



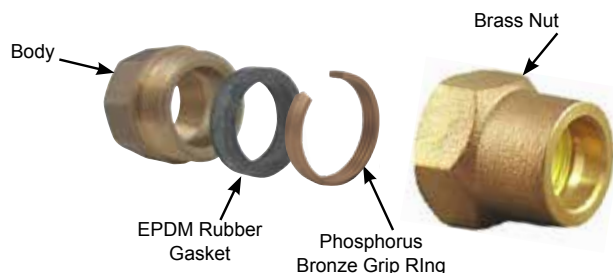
Aluminum Core Tube



\*Insert stiffeners are **required** on all flexible plastic connections. **NOTE: Materials meet or exceed A.W.W.A. Standard C-800.**

## Grip Joint Series

Copper tube, CTS PE is stabbed through the nut and grip ring/friction ring and gasket assembly to stab depth. The GJ nut is tightened to the stop/shoulder on the body, which compresses the EPDM gasket and phosphorus bronze gripper, which creates a water-tight seal and pull-out strength.



Copper Tube or CTS PE

GJ Series from Cambridge Brass. is a CTS Compression connection that is available in 3/4", 1", 1 1/4", 1 1/2" and 2" sizes.

This connection can be utilized on all Cambridge Brass series end connections by removing the Compression assembly and replacing it with the GJ assembly.

The brass nuts are made from C83600 ASTM B584 brass along with NSF 61 rubber gasket and Phosphorus Bronze grip ring.

For use with Copper tube, ("K" & "L" Hard or Soft) or CTS PE (ASTM D2737 SDR 9) with appropriate Insert Stiffener.

### Features:

- Large wrench flats for easier installation
- Tighten to Shoulder Stop
- Interchangeability. H, B, GJ, J, K nuts have the same threads and are interchangeable Except where noted.

## Haystite

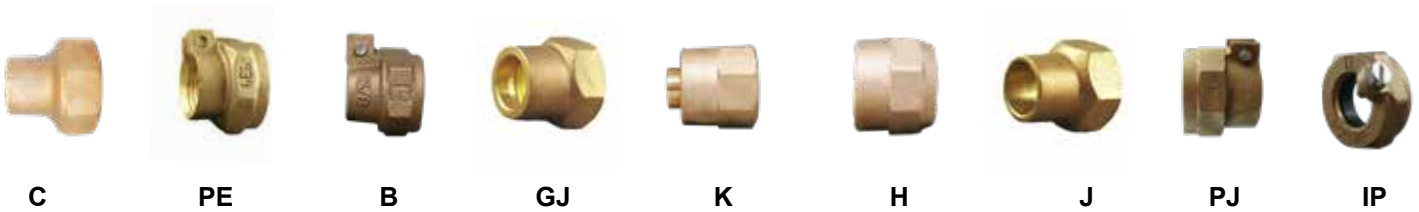
### Installation Instructions

1. Use copper water pipe type K or L (ASTM B88) or CTS polyethylene tubing OD controlled SDR-9 (AWWA 901, ASTM D2737)
2. Loosen nut to relax gasket/gripper combination and insert pipe through nut into the socket of the fitting
3. Push pipe in until it bottoms inside fitting body (with stops) or appropriate depth (without stops)
4. Tighten nut 1 1/2 turns after hand tight



105NL-J3F3

## Outlet Connections



## Wrench on Brass Valves & Fittings



Do NOT use a pipe wrench with serrated jaws



Use a wrench with smooth jaws

## Insert Stiffeners

Insert Stiffeners required on all flexible plastic connections

Materials meet or exceed AWWA standard C800

### Series 86 CTS SDR 9



Sizes: 3/4", 1", 1 1/4", 1 1/2", 2"  
POLYETHYLENE - ASTM D2737  
SDR 9 - TUBE SIZE  
PEX TUBING - ASTM F876 -  
SDR 9 - CSA B137.5  
POLYBUTYLENE - ASTM D2666  
SDR 9 - TUBE SIZE - CLASS 250

### Series 87 PE SDR 7



Sizes: 3/4", 1", 1 1/4", 1 1/2", 2"  
POLYBUTYLENE -  
ASTM D2662 SDR 7 - or  
POLYETHYLENE - ASTM  
D2239  
SDR 7 & 9 - PIPE SIZE

### Series 88 IPS SDR 9



Sizes: 3/4", 1", 1 1/4", 1 1/2", 2"  
POLYETHYLENE - ASTM  
D3035  
SDR 9 - OD  
CONTROLLED  
PIPE SIZE

### Series 89 IPS SDR 11



Sizes: 3/4", 1", 1 1/4", 1 1/2", 2"  
POLYETHYLENE - ASTM  
D3035  
SDR 11 - OD  
CONTROLLED  
PIPE SIZE

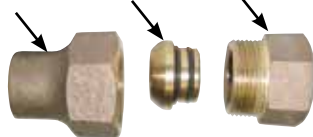
### Series 84 SDR 17



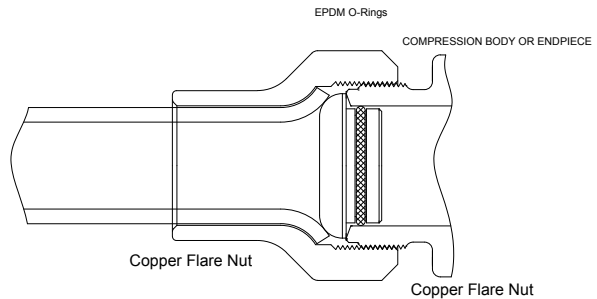
Sizes: 3/4", 1"  
POLYETHYLENE - ASTM  
D3035  
SDR 17 - OD  
CONTROLLED  
PIPE SIZE

## Compression Adaptors & Plugs

### 85NL Series Flare Nut



### 85NL Series



### 90NL Series





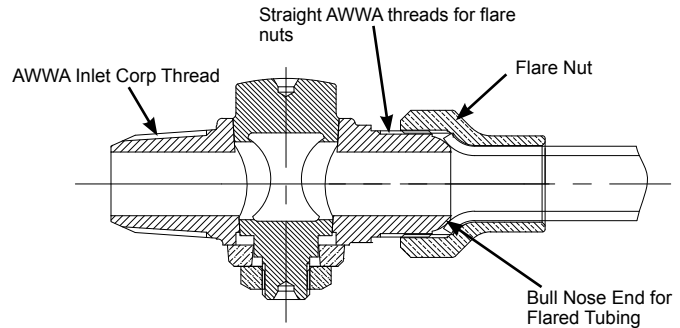
## Plug Valves

Plug Valve Corporation Stops are precision machined to assure a perfect match between the plug and the body. This same machining precision carries over to the threads to assure Cambridge Brass' high quality. Corporation stops come standard with a 360° for mains and 180° for angle valve operating head. Use only smooth jawed wrenches on corporation stop bodies and position the wrench only on the flats provided on the bodies. Also position your wrench as close as possible to the threads being tightened to avoid excessive strain or bending moment on the body. Pressure ratings are: 100 PSIG for 3/4" and 1". For applications over 1", Cambridge Brass recommends the use of Ball Valves.

### Options

- For electrical nut option, add "E" to H, K, C to make HE, KE, CE
- For valve or fitting less nut add "LN" to end of model number
- Insert stiffeners are required on all flexible plastic connections

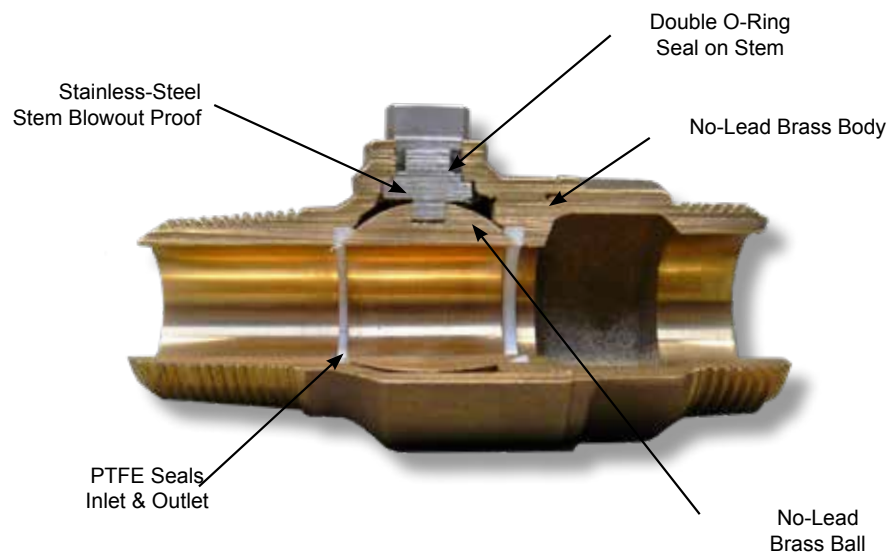
The term AWWA inlet thread is also referred to as C.C. threads, threads or Mueller threads.



# Anatomy of a Cambridge Brass Ball Valve

Main (Corporation) Stops | Curb Stops | Service Line Fittings | Meter Valves | Meter Couplings & Accessories | Meter Setters

| Material Specification |   | Features & Options   |
|------------------------|---|--|
| Body                   | Heavy Pattern Cast No-Lead Brass in conformance with CDA C89833 | - Meets or exceeds AWWA C-800, NSF 61 & NSF 372                |
| Top Cap                | Cast Brass C83600   | - Ball Valves are rated at 300 psi                             |
| Nuts                   | Cast Brass C83600   | - Stem/Ball Connection capable of transmitting 45 ft-lb torque |
| Stem                   | Stainless-Steel Type 304  | - Full Port  |
| Ball                   | Uncoated No-Lead Brass Ball C89833                              | - Integral Lockwing available                                  |
| Seats                  | Two Unfilled PTFE   | - 360 degree rotation or open right options available          |
| O-Rings                | Nitrile Rubber are standard                                     |  |



## End Connections

|                  |  |
|------------------|--|
| CTS Compression  | CB Compression & Campak 1/2" - 2" size Haystite & Grip joint 3/4" - 2" |
| C903             | 3/4" & 1" size   |
| Copper Flare     | 1/2" thru 2" size  |
| Meter Connection | 5/8", 3/4", 1", 1 1/2" & 2" size                                       |
| FIP & MIP        | 1/2" thru 2" size  |
| PEP & PVC        | 3/4" thru 2"   |

## Ball Valves

Rated 300 PSI

Ball Valve Corporation Stops come standard with a 360° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N O-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Corporation Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.

- All Cambridge Brass Corporation Stops are pressure tested prior to packaging.
- The end piece joint is sealed with thread locker.
- All Cambridge Brass Corporation Stops are designed to be used with all known tapping and drilling machines.
- For drilling and tapping machine adapters see chart on page 19.
- Assembly is shipped with a thread protector
- **NOTE: Materials meet or exceed AWWA C800 (latest revision) and NSF 61 & 372 standards**

### Material Specifications

Body - Heavy Pattern Cast No-Lead Brass in conformance with CDA C89833

Top Cap - Cast Brass C83600

Nuts - Cast Brass C83600

Stem - Stainless-Steel Type 304

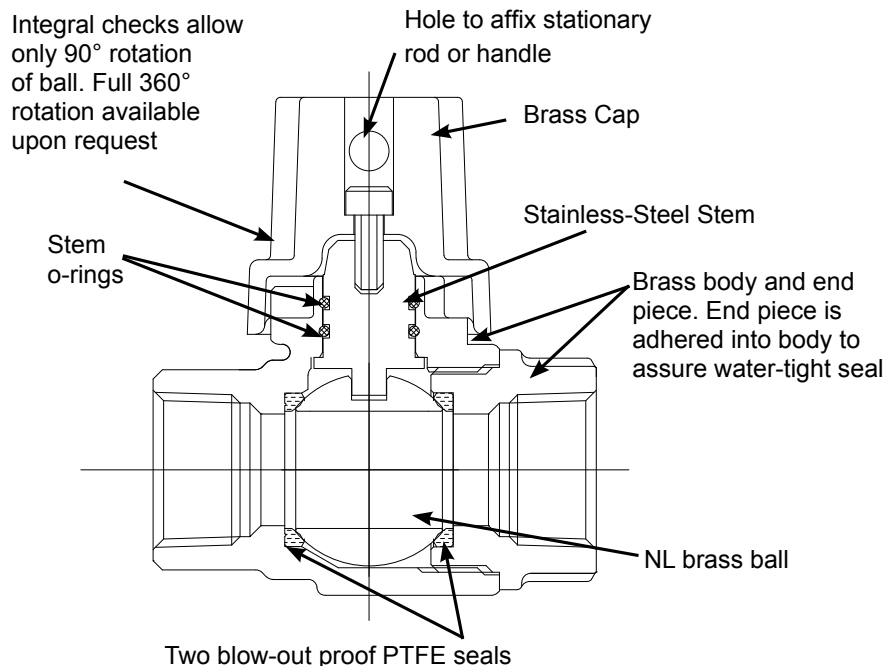
Ball - Uncoated No-Lead Brass Ball C89833

Seats - Two unfilled PTFE on Full Port

O-Rings - Nitrile Rubber (standard)

### Options

- For electrical nut option, add "E" to H, K, C to make HE, KE, CE
- For valve or fitting less nut add "LN" to end of model number
- Insert stiffeners are required on all flexible plastic connections, refer to Service Fitting section on page 77 for options

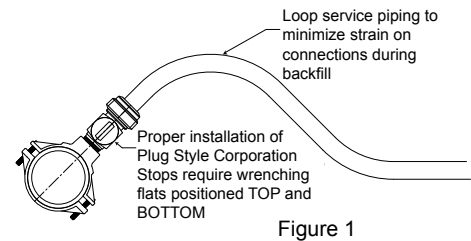




Cambridge Brass waterworks products are designed for reliable service. Like all brass products, however, they can be damaged by improper handling and use.

**CAUTION:**

1. **PROTECT THREADS** Nicks or distorted threads, especially on tapered threads, can cause leaks.
  2. **USE A GOOD THREAD SEALANT** where threads are intended to provide a leak-proof connection. Do not overtighten.
  3. **DO NOT** use Vaseline®, plumber's grease, or any other petroleum product on seals or o-rings.
  4. **USE ONLY A SMOOTH JAWED ADJUSTABLE WRENCH** on the flats provided nearest the thread being made up. Serrated pipe wrenches apply a loose, improper fit that can distort the body and cause a leak, especially on valves.
  5. Plug style corp valves should be installed so that the wrenching flats of a tightened valve are positioned top and bottom (see Figure 1).
  6. **AVOID DROPPING** or the use of a hammer on any plug or key type valve. Impacts, causing dents or distortion, can cause leaks by unseating the plug portion of the valve.
  7. **PRESSURE TEST** for leaks before backfilling.
  8. **FIELD TESTING** Special high pressure field testing may require capping the outlet of corporation stops, curb stops and angle meter stops.
  9. **HIGH PRESSURE INSTALLATION** Standard AWWA tapered plug valves are intended for not more than 100 PSIG water in sizes 1/2", 3/4" and 1".
  10. **BACKFILL CAREFULLY** to avoid damage to the service line and connections. Loop service piping on corporation connections to minimize strain on the body and connections (See Figure 1).
- NOTE:** For corps with C903 ends, remove C903 adaptor prior to drilling. Reassemble C903 adaptor to corp after drilling. Inspect all o-rings for damage prior to reassembly.
- NOTE:** For installations having pressures in excess of 100 PSIG (3/4" and 1" corp stops) the use of Cambridge Brass "ball-style" corporation stops is recommended. Ball corporations are for use with water only and are rated at 300 PSIG water pressure.



**DAMAGE CAUSED BY IMPROPER USE AND HANDLING WILL VOID OUR WARRANTY.**

## Recommended Wrenching on Brass Valves and Fittings



**Do NOT** use a pipe wrench with serrated jaws



**Use** a wrench with smooth jaws

## Mainstop Installation

Valves may be installed directly into either a dry main or a main under pressure with a standard tapping machine with or without a saddle. Consult the pipe manufacturer for their recommendation.

When direct tapping directly into mains, ensure that the tapping tool used is in good condition and that the tapped hole is made to the correct size. Check that the main stop inlet thread and tap are the same thread type. Always apply Teflon sealant to the valve inlet threads. A correctly installed valve will have valve inlet threads still visible.

Large wrench flats are provided on both the plug and ball style bodies for tightening and are to be used with a smooth flat jaw adjustable wrench. Careful attention must be made to fully engage the wrench with a snug fit on the valve body flats. This will ensure there are no leaks from distortion. Do not use a pipe wrench as this may distort the valve body. Do not over tighten as this may also damage the valve.

When using a tapping machine adaptor to tighten the valves in place, ensure the correct adaptor is used, and the adaptor threads match the outlet threads. See Tapping Machine Adaptor chart for details

## Drilling and Tapping Machine Adaptors

| Drilling and Tapping Machines |             |           |        |               |               |               |          |            |            |            |             |                  |
|-------------------------------|-------------|-----------|--------|---------------|---------------|---------------|----------|------------|------------|------------|-------------|------------------|
| Outlet Code                   | Outlet Size | Mueller   |        |               |               |               | Ford     |            | Hays       |            | Romac       | Footage          |
|                               |             | B100 B101 | No. B  | No. A2 No. A3 | No. E4 No. E5 | No. D4 No. D5 | Model 77 | No. 5930   | No. 5935   | No. B1     | Tapmate TOO | Mini-Tap XL T752 |
| B, GJ, H & J                  | 3/4"        | 680600    | 680600 | 680600        | 52019         | 37902         | DMA2-3   | 354-05-506 | 355-05-506 | 353-06-106 | 351-05-506  | T752-20          |
|                               | 1"          | 680601    | 680601 | 680601        | 36750         | 37903         | DMA2-4   | 355-05-508 | 355-05-508 | 353-06-108 | 351-05-508  | T752-21          |
|                               | 1 1/4"      | 680602    | -      | 680602        | 45385         | 37904         | DMA2-5   | 355-05-510 | 355-05-510 | 353-06-110 | 351-05-510  | T752-22          |
|                               | 1 1/2"      | -         | -      | 680421        | 501949        | 507644        | DMA4-6-Q | -          | 355-05-712 | -          | 351-05-712  | T752-42          |
|                               | 2"          | -         | -      | 680422        | 508199        | 507645        | DMA4-7-Q | -          | 355-05-716 | -          | 351-05-716  | T752-43          |
| Copper Flare C                | 3/4"        | 680600    | 680600 | 680600        | 52019         | 37902         | DMA2-3   | 355-05-506 | 355-05-506 | 353-06-106 | 351-05-506  | T752-20          |
|                               | 1"          | 680601    | 680601 | 680601        | 36750         | 37903         | DMA2-4   | 355-05-508 | 355-05-508 | 353-06-108 | 351-05-508  | T752-21          |
|                               | 1 1/4"      | 680602    | -      | 680602        | 45385         | 37904         | DMA2-5   | 355-05-510 | 355-05-510 | 353-06-110 | 351-05-510  | T752-22          |
|                               | 1 1/2"      | -         | -      | 88640         | 501947        | 37905         | DMA2-6   | -          | 355-05-712 | -          | 351-05-512  | T752-23          |
| PE & PJ                       | 3/4"        | 680601    | 680601 | 680601        | 36750         | 37903         | DMA2-4   | 355-05-508 | 355-05-508 | 353-06-108 | 351-05-508  | T752-21          |
|                               | 1"          | 680602    | -      | 680602        | 45385         | 37904         | DMA2-5   | 355-05-510 | 355-05-510 | 353-06-110 | 351-05-510  | T752-22          |
|                               | 1 1/4"      | -         | -      | 680421        | 507644        | 507644        | DMA2-6-Q | -          | 355-05-712 | -          | 351-05-712  | T752-42          |
|                               | 1 1/2"      | -         | -      | 680422        | 508199        | 507645        | DMA4-7-Q | -          | 355-05-716 | -          | 351-05-716  | T752-43          |
|                               | 2"          | -         | -      | 88641         | 508201        | 37906         | DMA2-7   | -          | Not Req'd  | -          | 351-06-516  | T752-24          |
| MIP, M                        | 3/4"        | 680631    | 680631 | 680631        | 36910         | 36910         | DMA1-3   | 355-05-406 | 355-05-406 | 353-06-306 | 351-05-406  | -                |
|                               | 1"          | 680632    | 680632 | 680632        | 36911         | 36911         | DMA1-4   | 355-05-408 | 355-05-408 | 353-06-308 | 351-05-408  | -                |
|                               | 1 1/4"      | -         | -      | -             | 36912         | 36912         | DMA1-5   | 355-05-410 | 355-05-410 | -          | 351-05-410  | -                |
|                               | 1 1/2"      | -         | -      | -             | 36913         | 36913         | DMA1-6   | -          | 355-05-412 | -          | 351-05-412  | -                |
|                               | 2"          | -         | -      | -             | 36525         | 36525         | DMA1-7   | -          | 355-05-416 | -          | 351-05-416  | -                |
| FIP, F                        | 3/4"        | 680595    | 680595 | 680595        | 33556         | 33556         | -        | 354-05-606 | -          | 353-06-406 | 351-05-606  | -                |
|                               | 1"          | 680596    | 680596 | 680596        | 36323         | 36323         | -        | 354-05-608 | -          | 353-06-408 | 351-05-608  | -                |
|                               | 1 1/4"      | 680597    | 680597 | 680597        | 36195         | 36495         | -        | 354-05-610 | -          | -          | 351-05-610  | -                |
|                               | 1 1/2"      | -         | -      | -             | 36196         | 36196         | DMA8-6   | -          | -          | -          | 351-05-612  | -                |
|                               | 2"          | -         | -      | -             | 36188         | 36188         | DMA8-7   | -          | -          | -          | 351-05-616  | -                |
| Internal Drive ID             | 3/4"        | -         | -      | 680654        | -             | -             | -        | -          | -          | -          | -           | -                |
|                               | 1"          | -         | -      | 680655        | -             | -             | -        | -          | -          | -          | -           | -                |
|                               | 1 1/4"      | -         | -      | -             | -             | -             | -        | -          | -          | -          | -           | -                |
|                               | 1 1/2"      | -         | -      | 58483         | -             | -             | DMA1-67  | -          | -          | -          | -           | -                |
|                               | 2"          | -         | -      | 58484         | -             | -             | DMA1-78  | -          | -          | -          | -           | -                |

### Maximum Size Drills to be used with Cambridge Brass Corporation Stops Per AWWA C-800 Table 1

| Corporation Size                  | 1/2"  | 5/8"  | 3/4"   | 1"     | 1 1/4"  | 1 1/2"  | 2"     |
|-----------------------------------|-------|-------|--------|--------|---------|---------|--------|
| Corp. Stop with AWWA Thread Inlet | 7/16" | 9/16" | 11/16" | 15/16" | 1 3/16" | 1 7/16" | 1 7/8" |
| Corp. Stop with I.P. Thread Inlet | 7/16" | -     | 11/16" | 7/8"   | 1 1/8"  | 1 7/16" | 1 3/4" |

## 2 Piece Saddle - 805 Series

1. Saddles should be installed after pipe pressure testing is completed.
2. Use only on PVC pipe. Make sure you have proper type and size of saddle for pipe. Reference pipe diameter, tap size and identification located on each saddle.
3. Make sure saddle sealing surface on the pipe is clean, free of "nicks", gouges, or other imperfections that could cause leakage.
4. DO NOT use Vaseline®, plumber's grease, or any other petroleum based product on seals or o-rings.
5. Place saddle outlet and band around pipe and attach together loosely using capscrews into tapped holes. Then rotate the saddle into desired position.
6. Cambridge Brass saddles are NOT designed to bottom out. Alternating between each bolt, tighten to the following torques:  
FOR 3/4" AND 1" THREAD SIZE OUTLETS:  
 2", 2-1/2", and 3" pipe - 4 - 5 FOOT-POUNDS.  
 (approx. 4 to 5 lbs. pull on 12" wrench)  
 4", 6", and 8" pipe - 5 - 6 FOOT-POUNDS.  
 (approx. 5 to 6 lbs. pull on 12" wrench)  
 10" and 12" pipe - 24 - 26 FOOT-POUNDS.  
 (approx. 24 to 26 lbs. pull on 12" wrench)  
FOR 1-1/2" AND 2" THREAD SIZE OUTLETS:  
 4" and 6" pipe - 13 - 15 FOOT-POUNDS.  
 (approx. 13 to 15 lbs. pull on 12" wrench)  
 8" pipe - 17 - 19 FOOT-POUNDS.  
 (approx. 17 to 19 lbs. pull on 12" wrench)  
 10" and 12" pipe - 24 - 26 FOOT-POUNDS.  
 (approx. 24 to 26 lbs. pull on 12" wrench)
7. Overtightening can cause failure of saddle or bolt.
8. After the corporation stop has been installed, recheck saddle torque and tighten if necessary.
9. Cambridge Brass saddles are designed to withstand water working pressure up to but not exceeding the working pressure rating of the pipe up to 200 PSIG maximum. Use only on a cold water service.
10. Saddle testing should be accomplished while services are exposed and prior to backfilling.

## Hinged Saddle - 800 Series

1. Saddles should be installed after pipe pressure testing is completed.
2. Use only on PVC pipe.
3. Make sure you have proper type and size of saddle for pipe. Reference pipe diameter range, tap size and identification located on each hinged saddle.
4. Clean pipe surface thoroughly.
5. DO NOT use Vaseline®, plumber's grease, or any other petroleum based product on seals or o-rings.
6. Mount saddle on pipe with outlet facing desired direction.
7. Cambridge Brass hinged saddles are NOT designed to bottom out.  
 Tighten bolts to the following torques:  
3/4" and 1" thread size outlets:  
 2", 2 1/2", 3" pipe - 4 - 5 FOOT-POUNDS  
 (approx. 4 to 5 lbs pull on a 12" wrench)  
 4", 6", 8" pipe - 5 - 6 FOOT-POUNDS.  
 (approx. 5 to 6 lbs pull on a 12" wrench)  
1 1/2" and 2" thread size outlets:  
 3", 4" pipe - 5 - 6 FOOT-POUNDS\*.  
 (approx. 5 to 6 lbs pull on a 12" wrench)  
 6", 8" pipe - 7 - 9 FOOT-POUNDS\*.  
 (approx. 7 to 9 lbs pull on a 12" wrench)  
 \*Be sure to alternate tightening of the 2 bolts to ensure even loading.
8. Overtightening can cause failure of saddle, bolt or hinge pin.
9. After the corporation stop has been installed, recheck saddle torque and tighten if necessary.
10. Cambridge Brass hinged saddles are designed to withstand water working pressure up to but not exceeding the working pressure rating of the pipe up to 200 PSIG maximum. Use only on a cold water service.
11. Saddle testing should be accomplished while services are exposed and prior to backfilling.

## Stainless-Steel Band Saddle - 811, 812, 822

1. Whenever possible, saddles should be installed after pipe pressure testing is completed.
2. Make sure the proper type and size saddle have been selected for the pipe.  
 NOTE: Both 10" and 12" saddles are available with multiple band and saddle top combinations. Make sure the pipe size lies in the ranges listed on the band/saddle top combination.
3. Clean pipe surface thoroughly.
4. DO NOT use Vaseline®, plumber's grease, or any other petroleum based product on seals or o-rings.
5. Mount saddle on pipe with outlet facing desired direction.
6. Tighten nuts evenly to a torque of 50-60 FOOT POUNDS.
7. Overtightening can cause failure of the pipe and/or the saddle.
8. After the corporation stop has been installed, recheck saddle torque and tighten if necessary.
9. Cambridge Brass Stainless-Steel band saddles are designed to withstand water working pressure, up to but not exceeding, the working pressure rating of the pipe. Use only on a cold water service.
10. Saddle testing should be accomplished while services are exposed and prior to backfilling.

## Bronze Single Band Saddle - 820

1. Whenever possible, saddles should be installed after pipe pressure testing is completed.
2. Make sure you have proper type and size of saddle for pipe. Reference pipe diameter range, tap size and identification located on the top piece of each saddle.
3. Do not use on PVC pipe.
4. Clean pipe surface thoroughly.
5. DO NOT use Vaseline®, plumber's grease, or any other petroleum based product on seals or o-rings.
6. Mount saddle on pipe with outlet facing desired direction.
7. Tighten nuts evenly to a torque of 50-60 FOOT POUNDS.
8. After the corporation stop has been installed, recheck saddle torque and tighten if necessary.
9. Cambridge Brass single band saddles are designed to withstand water working pressure up to, but not exceeding, the working pressure rating of the pipe. Use only on a cold water service.
10. Saddle testing should be accomplished while services are exposed and prior to backfilling.

## Bronze Double Band Saddle - 810

1. Whenever possible, saddles should be installed after pipe pressure testing is completed.
2. Make sure you have proper type and size of saddle for pipe. Reference pipe diameter range, tap size and identification located on each double band top.
3. Clean pipe surface thoroughly.
4. DO NOT use Vaseline®, plumber's grease, or any other petroleum based product on seals or o-rings.
5. Mount saddle on pipe with outlet facing desired direction.
6. Tighten nuts evenly to a torque of 50-60 FOOT-POUNDS.
7. Do not use on PVC pipe unless installation meets pipe manufacturers recommendations or approval. If used with PVC pipe - tighten nuts evenly to 30 FOOT-POUNDS. Overtightening can cause failure of the pipe.
8. After the corporation stop has been installed, recheck saddle torque and tighten if necessary.
9. Cambridge Brass double band saddles are designed to withstand water working pressure up to but not exceeding the working pressure rating of the pipe. Use only on a cold water service.
10. Saddle testing should be accomplished while services are exposed and prior to backfilling.

## WARNING!



**WARNING:** It is unlawful in **CALIFORNIA & VERMONT (effective 1/1/2010); MARYLAND (effective 1/1/2012); LOUISIANA (effective 1/1/2013) and the UNITED STATES OF AMERICA (effective 1/4/2014)** to use any product in the installation or repair of any public water system or any plumbing in a facility or system that provides water for human consumption if the wetted surface area of the product has a weighted average lead content greater than 0.25%. This prohibition does not extend to service saddles used in California, Louisiana or under USA Public Law 111-380.

## Belleville Washer Instructions (HDPE)



## TITAN Bolt Instructions

### CAMBRIDGE BRASS | Cambridge Brass Hinged Saddle Instructions

1. Saddles should be installed after pipe pressure testing is completed.
2. Use only on PVC pipe.
3. Make sure you have proper type and size of saddle for pipe. Reference pipe diameter range, tap size and identification located on each hinged saddle.
4. Clean pipe surface thoroughly.
5. DO NOT use Vaseline®, plumber's grease, or any other petroleum based product on seals or o-rings.
6. Mount saddle on pipe with outlet facing desired direction.
7. **Cambridge Brass hinged saddles are NOT designed to bottom out. Tighten until the TITAN® bolt's UPPER hex head breaks off. Saddle will be installed at proper torque.**
8. If bolt needs to be loosened, use LOWER hex head. Re-tighten using LOWER hex head to **5-6 FOOT-POUNDS**. (approx. 5 to 6 lbs pull on a 12" wrench)
9. Overtightening can cause failure of saddle, bolt or hinge pin.
10. Cambridge Brass hinged saddles are designed to withstand water working pressure up to but not exceeding the working pressure rating of the pipe up to 200 PSIG maximum. **Use only on a cold water service.**
11. Saddle testing should be accomplished while services are exposed and prior to backfilling.

NOTE: Do not use TITAN® bolts on saddles that do not have them installed from the factory.



Scan the QR code for the installation video.

**WARNING:** It is unlawful in **CALIFORNIA & VERMONT (effective 1/1/2010); MARYLAND (effective 1/1/2012); LOUISIANA (effective 1/1/2013) and the UNITED STATES OF AMERICA (effective 1/4/2014)** to use any product in the installation or repair of any public water system or any plumbing in a facility or system that provides water for human consumption if the wetted surface area of the product has a weighted average lead content greater than 0.25%. This prohibition does not extend to service saddles used in California, Louisiana or under USA Public Law 111-380.

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3210-687 1/23

## Stainless-Steel Saddle Installation Instructions



### SADDLE INSTALLATION

- 1- CHECK FOR CORRECT SADDLE SIZE AND PIPE DIAMETER
- 2- PIPE SURFACE MUST BE CLEAN AND SMOOTH
- 3- LUBRICATE GASKET FACE WITH SILICONE GREASE
- 4- MOUNT AND POSITION SADDLE ONTO PIPE
- 5- FOR HDPE PIPE YOU MUST USE BELLEVILLE WASHERS
- 6- TIGHTEN BOLTS OR NUTS EVENLY TO SPECIFIED TORQUE BELOW
  - 5/16" DIA. BOLT - 5 TO 6 FOOT POUNDS
  - 3/8" DIA. BOLT - 13 TO 15 FOOT POUNDS
  - 1/2" DIA. BOLT - 25 TO 30 FOOT POUNDS
  - 5/8" DIA. BOLT - 50 TO 60 FOOT POUNDS
- SADDLES ARE NOT DESIGNED TO BOTTOM OUT
- CAUTION: OVER-TIGHTENING CAN CAUSE BREAKAGE
- 7- AFTER CORPSTOP IS TIGHTENED RECHECK SADDLE BOLT TORQUE
- 8- PRESSURE TEST BEFORE BACKFILLING

310681A



## Pipe/Saddle Chart

| PIPE<br>SIZE | PVC<br>STEEL SIZE<br>O.D. | PVC<br>C900<br>O.D. | CAST IRON<br>CLASSES |                       | O.D.           | CLASS | ASBESTOS-CEMENT      |                                | STEEL<br>TYPE | O.D.  |
|--------------|---------------------------|---------------------|----------------------|-----------------------|----------------|-------|----------------------|--------------------------------|---------------|-------|
|              |                           |                     | PIT                  | SPUN                  |                |       | MACHINED<br>END O.D. | ROUGH-BARREL<br>O.D. (MIN-MAX) |               |       |
| 1/2"         | .84                       |                     |                      |                       |                |       |                      |                                | STD           | .84   |
| 3/4"         | 1.05                      |                     |                      |                       |                |       |                      |                                | STD           | 1.05  |
| 1"           | 1.32                      |                     |                      |                       |                |       |                      |                                | STD           | 1.32  |
| 1 1/4"       | 1.66                      |                     |                      |                       |                |       |                      |                                | STD           | 1.66  |
| 1 1/2"       | 1.90                      |                     |                      |                       |                |       |                      |                                | STD           | 1.90  |
| 2"           | 2.38                      | 2.50                |                      |                       | 2.50           |       |                      |                                | STD           | 2.38  |
| 2 1/2"       | 2.88                      |                     |                      |                       |                |       |                      |                                | STD           | 2.88  |
| 3"           | 3.50                      |                     | A<br>B,C,D           | 50 - 350              | 3.80           | 100   | 3.74                 | 4.00                           | O.D.          | 3.00  |
|              |                           |                     |                      |                       | 3.96           | 150   | 3.84                 | 4.10                           | STD           | 3.50  |
|              |                           |                     |                      |                       |                | 200   | 3.84                 | 4.29                           |               |       |
| 3 1/2"       |                           |                     |                      |                       |                |       |                      |                                | STD           | 4.00  |
| 4"           | 4.50                      | 4.80                | A<br>B,C,D           | 50 - 350              | 4.80           | 100   | 4.64                 | 4.79 - 5.14                    | O.D.          | 4.00  |
|              |                           |                     |                      |                       | 5.00           | 150   | 4.81                 | 4.97 - 5.27                    | STD           | 4.50  |
|              |                           |                     |                      |                       |                | 200   | 4.81                 | 5.22 - 5.57                    |               |       |
| 4 1/2"       |                           |                     |                      |                       |                |       |                      |                                | STD           | 5.00  |
| 5"           |                           |                     |                      |                       |                |       |                      |                                | STD           | 5.56  |
| 6"           | 6.63                      | 6.90                | A<br>B,C,D<br>E,F    | 50 - 350              | 6.90           | 100   | 6.91                 | 7.05 - 7.40                    | O.D.          | 6.00  |
|              |                           |                     |                      |                       | 7.10           | 150   | 6.91                 | 7.07 - 7.37                    | STD           | 6.63  |
|              |                           |                     |                      |                       | 7.22           | 200   | 6.91                 | 7.26 - 7.56                    |               |       |
| 7"           |                           |                     |                      |                       |                |       |                      |                                | STD           | 7.63  |
| 8"           | 8.63                      | 9.05                | A,B<br>C,D<br>E,F    | 50 - 300<br>350       | 9.05           | 100   | 9.11                 | 9.22 - 9.57                    | O.D.          | 8.00  |
|              |                           |                     |                      |                       | 9.30           | 150   | 9.11                 | 9.27 - 9.57                    | STD           | 8.63  |
|              |                           |                     |                      |                       | 9.42           | 200   | 9.11                 | 9.39 - 9.74                    |               |       |
| 9"           |                           |                     |                      |                       |                |       |                      |                                | STD           | 9.63  |
| 10"          | 10.75                     | 11.10               | A,B<br>C,D<br>E,F    | 50 - 200<br>250 - 350 | 11.10          | 100   | 11.24                | 11.42 - 11.77                  | O.D.          | 10.00 |
|              |                           |                     |                      |                       | 11.40          | 150   | 11.66                | 11.82 - 12.12                  | STD           | 10.75 |
|              |                           |                     |                      |                       | 11.60          | 200   | 11.66                | 11.77 - 12.12                  |               |       |
| 12"          | 12.75                     | 13.20               | A,B<br>C,D<br>E,F    | 50 - 200<br>250 - 350 | 13.20          | 100   | 13.44                | 13.69 - 14.04                  | O.D.          | 12.00 |
|              |                           |                     |                      |                       | 13.50          | 150   | 13.92                | 14.08 - 14.38                  | STD           | 12.75 |
|              |                           |                     |                      |                       | 13.76          | 200   | 13.92                | 14.03 - 14.38                  |               |       |
| 14"          | 14.00                     | 15.30               | A,B<br>C,D<br>E,F    | 50 - 100<br>150 - 300 | 15.30          | 100   | 15.07                | 15.40 - 15.80                  | O.D.          | 14.00 |
|              |                           |                     |                      |                       | 15.65          | 150   | 16.22                | 16.38 - 16.73                  |               |       |
|              |                           |                     |                      |                       | 15.98          | 200   | 16.22                | 16.48 - 16.88                  |               |       |
| 16"          | 16.00                     | 17.40               | A,B<br>C,D<br>E,F    | 50 - 100<br>150 - 300 | 17.40          | 100   | 17.14                | 17.54 - 17.94                  | O.D.          | 16.00 |
|              |                           |                     |                      |                       | 17.80          | 150   | 18.46                | 18.62 - 18.97                  |               |       |
|              |                           |                     |                      |                       | 18.16          | 200   | 18.46                | 18.79 - 19.19                  |               |       |
| 18"          | 18.00                     | 19.50               | A,B<br>C,D           | 50 - 100<br>150 - 250 | 19.50          | 100   | 19.90                | 20.44                          | STD           | 18.00 |
|              |                           |                     |                      |                       | 19.92          | 150   | 20.94                | 21.20                          |               |       |
|              |                           |                     |                      |                       |                |       |                      |                                |               |       |
| 20"          | 20.00                     | 21.60               | A,B<br>C,D           | 50 - 100<br>150 - 200 | 21.60          | 100   | 22.12                | 22.50                          | STD           | 20.00 |
|              |                           |                     |                      |                       | 22.06          | 150   | 23.28                | 23.54                          |               |       |
| 22"          |                           |                     |                      |                       |                |       |                      |                                | STD           | 22.00 |
| 24"          | 24.00                     | 25.80               | A,B<br>C,D           | 50 - 100<br>150 - 250 | 25.80          | 100   | 26.48                | 27.17                          | STD           | 24.00 |
|              |                           |                     |                      |                       | 26.32          | 150   | 27.96                | 28.22                          |               |       |
| 30"          | 30.00                     | 32.00               | A,B<br>C,D           | 50 - 100<br>150 - 250 | 32.00<br>32.74 |       |                      |                                | STD           | 30.00 |

## 8413 TECK™ Stainless-Steel Saddles with Integral Corporation Stop

The new 8413 TECK™ Stainless-Steel Saddles with an Integral Corporation Stop consist of a Stainless-Steel Saddle with the outlet boss threaded to mate to the body of a Brass Ball Valve. Stainless-Steel TECK™ Service Saddles feature a fully welded bar, chemically passivated welds, anti-gall nuts and EPDM ring gasket. Contact our Customer Service Department for additional sizes and connections. Installation instructions are provided with each Saddle so please read and follow instructions to ensure long lasting performance.

### Benefits

- Eliminates the installation of the Corporation Stop onto the Saddle, as it is now one unit
- Reduces the Saddle & Corporation Stop installation time in half, thus reducing the amount of time installers spend in the ditch
- The assembly is factory tested as one unit
- Comes complete with a cast brass top cap for easier actuation
- Eliminates a leak point
- A quicker and more cost effective installation

### Materials

Band - ASTM A240 Type 304 (18-8) Stainless-Steel

Lifter Plate - ASTM A240 Type 304 (18-8) Stainless-Steel

Gasket - EPDM ring gasket meets ASTM D2000 and NSF 61

Studs - ASTM F593 Type 304 (18-8) Stainless-Steel

Nuts - ASTM F594 Type 304 (18-8) Stainless-Steel PTFE coated to prevent galling

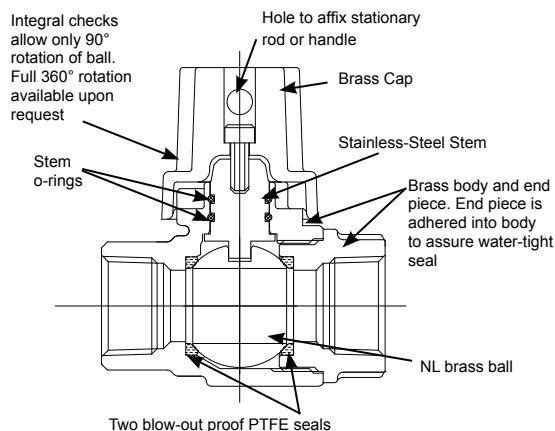
Washers - ASME B18.221 Type 304 (18-8) Stainless-Steel

### Features

- All saddles have Pipe O.D. size identification
- All saddles meet AWWA standards and are designed to meet NSF 61 and NSF 372
- Rated for 250 PSI working pressure
- Belleville Washer kits (for HDPE pipe) available
- Laser etched Label for series, size, description, brief instruction and manufacturing date



## Ball Valve Design



- Available with FNPT, MNPT threads, flare or Compression ends
- Ball style curb stops are non-directional

Cambridge Brass Ball Valve Curb Stops maintain their low turning torques and bubble-tight 300 PSIG water pressure rating due to the NL coated brass ball that is supported by two PTFE seals. Cambridge Brass Ball Curb Stops offer positive shut-off from either direction.

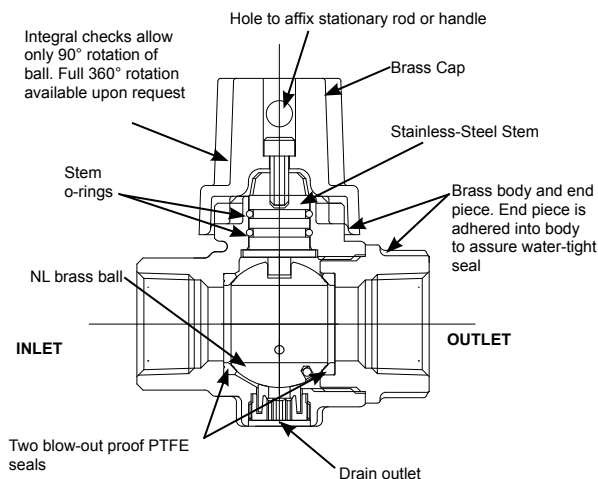
Cambridge Brass Curb Stops are available with a wide variety of end connections and also with Minneapolis Curb Box Threads.

Stainless-Steel, brass and integral brass handles available.

Brass 2" square operating head that is easily pinned to existing curb stops is available separately.

**MAXIMUM PRESSURE RATING  
of Ball Style Curb Stops**  
300 PSIG Water

## Stop and Drain Ball Valve Design



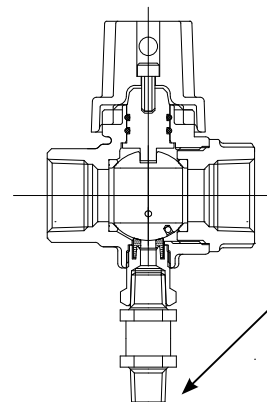
Cambridge Brass' Stop and Drain Ball Valve Curb Stops maintain their low turning torques and bubble-tight 300 PSIG water pressure rating due to the NL coated brass ball that is supported by two PTFE seals. Cambridge Brass Stop and Drain Ball Curb Stops offer positive shut-off from inlet direction only.

Cambridge Brass Ball Stop and Drain Curb Stops are available with a wide variety of end connections and also with Minneapolis Curb Box Threads.

Brass and INTEGRAL brass handles available.

A brass 2" square operating head that is easily pinned to existing curb stops is available separately.

Available with FNPT, MNPT threads, flare or Compression ends

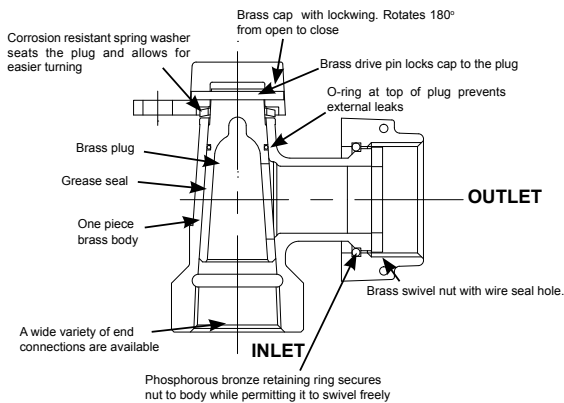


**\*OPTIONAL\*  
WITH CHECK  
VALVE ON DRAIN  
TO PREVENT  
CONTAMINATION**

**MAXIMUM PRESSURE RATING  
of Stop & Drain Style Ball Valves**  
300 PSIG Water

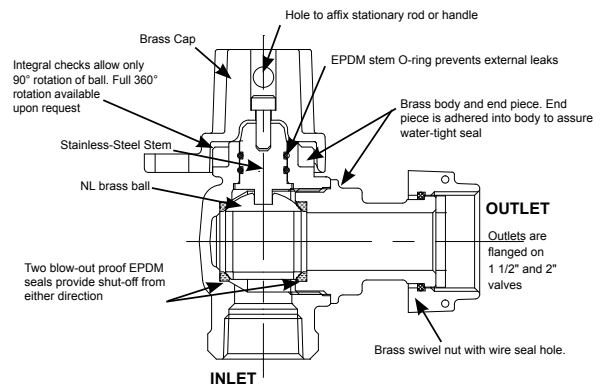
## Angle Plug Valve

Maximum Pressure Rating = 100 PSIG Water



## Angle Ball Valve

Maximum Pressure Rating = 300 PSIG Water



## LOCKING VALVE OPERATING INSTRUCTIONS

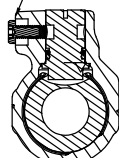
### TO UNLOCK

TURN SCREW CLOCKWISE UNTIL FACE OF SCREW IS FLUSH WITH CASTING

SCREW ROTATION



SCREW IN UNLOCKED POSITION



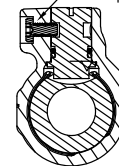
### TO LOCK

ROTATE STEM TO DESIRED OPERATING POSITION, TURN SCREW COUNTERCLOCKWISE UNTIL TIGHT

SCREW ROTATION



SCREW IN LOCKED POSITION



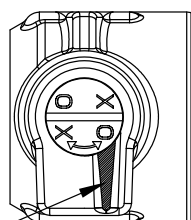
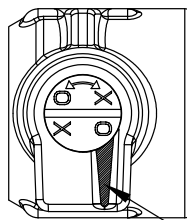
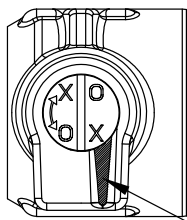
### TO OPERATE

ROTATE VALVE STEM SO THAT O, X, O X ALIGNS WITH INDICATOR

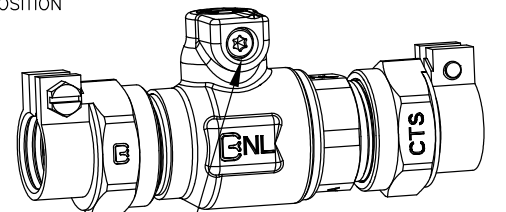
X-LOCKED CLOSED

O-LOCKED OPEN

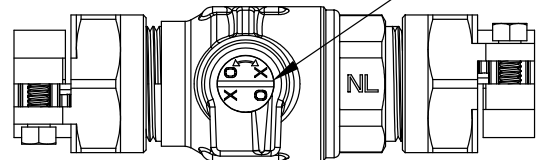
O X LOCKED IN OPERATING POSITION



INDICATOR



TOOL AND SCREW UTILIZE UNIQUE ENGAGEMENT GEOMETRY

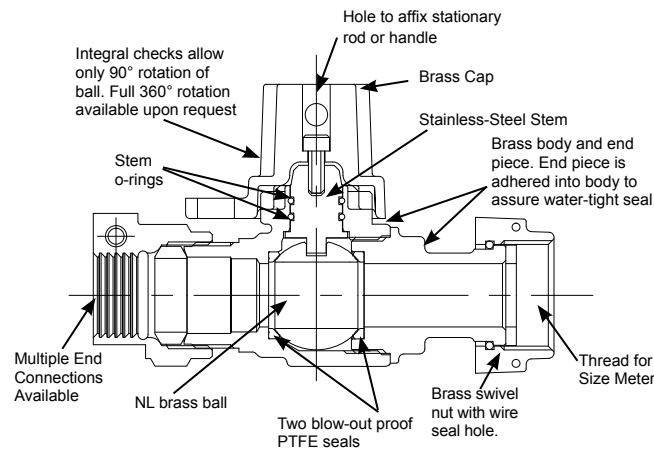


WARNING: It is unlawful in CALIFORNIA & VERMONT (effective 1/1/2010); MARYLAND (effective 1/1/2012); LOUISIANA (effective 1/1/2013) and the UNITED STATES OF AMERICA (effective 1/4/2014) to use any product in the installation or repair of any public water system or any plumbing in a facility or system that provides water for human consumption if the wetted surface area of the product has a weighted average lead content greater than 0.25%. This prohibition does not extend to service saddles used in California, Louisiana or under USA Public Law 111-380.

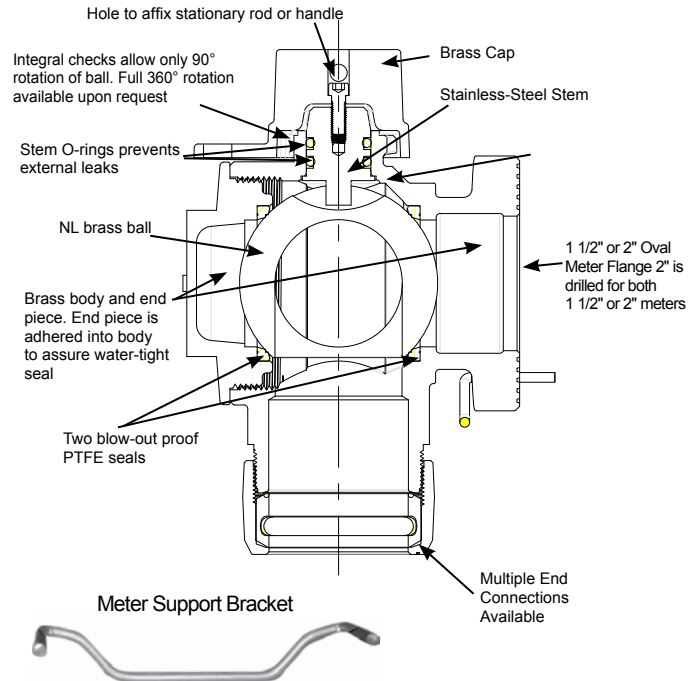
Available with FNPT threads, Flare or Compression inlets

All Cambridge Brass Valves are inspected repeatedly during the manufacturing process, then each valve is pressure-tested air under water.

## Inline Meter Ball Valve Maximum Pressure Rating = 300 PSIG Water



## 1 1/2" & 2" Ball Valve Maximum Pressure Rating = 300 PSIG Water



## Codes and Descriptions of Tubing and Pipe which used with Cambridge Brass Compression Couplings

Copper Tube - the outside diameter is closely controlled by the manufacturer per ASTM specifications.

Polyethylene (PE) – CTS (Copper Tube Size) – ASTM D2737 SDR 9 or ASTM D2666 SDR 9 – flexible plastic tubing has the same outside diameter as corresponding sizes of copper tube and requires an insert stiffener to support the inside diameter of the tube.

B Series, H Series, X Series GJ Series and J Series Compression assemblies are all designed to fit copper tube or copper tube size polyethylene. These compression nuts are individually marked with their size and CTS.

PE Polyethylene (PEP) – ASTM D2239 SDR7 & 9 or ASTM D2662 SDR7 – flexible plastic pipe inside diameter controlled. Requires an insert stiffener to support the inside diameter of the tube.

Polyvinyl Chloride – PVC – rigid plastic pipe that has the same outside diameter as corresponding sizes of standard iron pipe.

PJ Compression assemblies are designed to fit polyvinyl chloride. These compression nuts are marked with sizes and PVC.

Iron Pipe – IP – rigid iron pipe in which the outside diameter is closely controlled by the manufacturer per ASTM specifications (can also be galvanized).

C903 – Polyethylene-Aluminum-Polyethylene - (PE-AL-PE) - flexible composite pipe that is manufactured and third party certified to ASTM F-1282.

MNPT - Male National Pipe Thread

FNPT - Female National Pipe Thread

F-NPSM - Female National Pipe Straight Meter

M-NPSM - Male National Pipe Straight Meter

## Fast Connect Fitting

The Fast Connect Fitting is used where standard tube couplings are used but installers want a quicker installation. The Fast Connect Fitting also has the tighten-to-stop feature and can be used when coupling two pieces of copper or CTS PE pipe is required. This product is a good choice in the field because the amount of rotations required to complete a leak free joint is reduced by two thirds of a standard coupling, saving time which is also money. Even though the brass components in this design should never touch water, it is a No-Lead Brass product.



\* Insert stiffeners are required when used with CTS PE.



| Model Number | Description                                |
|--------------|--|
| 120NL-V3V3   | Two Part Coupling 3/4" CTS Connection      |
| 120NL-V4V3   | Two Part Coupling 3/4" X 1" CTS Connection |
| 120NL-V4V4   | Two Part Coupling 1" X 1" CTS Connection   |
| 120NL-V5V5   | Two Part Coupling 1-1/4" CTS Connection    |
| 120NL-V6V6   | Two Part Coupling 1-1/2" CTS Connection    |
| 120NL-V7V7   | Two Part Coupling 2" CTS Connection        |
| 120NL-Y3Y3   | Two Part Coupling 3/4" PEP Connection      |
| 120NL-Y4Y4   | Two Part Coupling 1" PEP Connection        |

## Installation Instructions

Installation Instructions



IMPORTANT NOTICE - READ CAREFULLY

### Fast Connect Fitting - Copper Tube Size (CTS)

The Cambridge Brass Fast Connect Fitting is a simple, convenient compression connection for tube size service materials (See table below for approved tubing specs.)

1. Service tubing should always be **snaked** in the ditch.
2. Use a tube or pipe cutter to assure a square end. Make sure pipe is round. On copper tubing, use a rounding tool, if necessary. Surface should be clean and free of nicks.

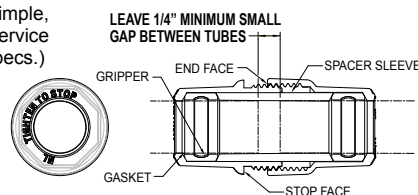
\* 3. Insert stiffeners **must** be used with plastic tubing.

4. Stab tubes through the endpieces and into the insert sleeve. **TUBES SHALL BE BACKED OFF SLIGHTLY AFTER BUTTING UP IN THE CENTER OF THE COUPLING.** This ensures the tubes have space to advance toward each other as the endpieces are tightened.

5. Tighten the endpieces until the end face of the female endpiece contacts the stop face of the male endpiece.

6. **PRESSURE TEST FOR LEAKS BEFORE BACKFILLING.**

7. **USE ONLY ON COLD WATER SERVICES.**  
**PATENT PENDING**



Types of Pipe/Tubing for use with  
A.Y. McDonald Fittings (Outside Diameters listed)

| NOMINAL SIZE | TYPE K or L COPPER TUBE | POLYETHYLENE ASTM D2737 SDR 9 TUBE SIZE * | POLYBUTYLENE ASTM D2666 SDR 9 TUBE SIZE CLASS 250 * |
|--------------|-------------------------|---|---|
| 3/4"         | .872<br>.878            | .871<br>.879                              | .875<br>.883  |
| 1"           | 1.121<br>1.129          | 1.120<br>1.130                            | 1.125<br>1.135                                      |
| 1 1/4"       | 1.371<br>1.379          | 1.370<br>1.380                            | 1.375<br>1.385                                      |
| 1 1/2"       | 1.621<br>1.630          | 1.619<br>1.631                            | 1.625<br>1.637                                      |
| 2"           | 2.120<br>2.130          | 2.119<br>2.131                            | 2.125<br>2.137                                      |



## Cambridge Coupling

Rated for 300 PSIG

The Cambridge Coupling is a unique fitting with a patented design that provides the installer with a 0.400" range to accommodate varying outside diameter sized pipes. Additionally it will accommodate pipes that are slightly oval or slightly deformed, saving time & materials in some sizing situations. The range of each coupling overlaps slightly to accommodate different installation scenarios. The Stainless-Steel teeth in the gripper ring provide electrical continuity when metallic pipes are used. With more than 3/8" of range, the Cambridge Coupling is the fitting of choice for connecting dissimilar pipes. Cambridge Couplings are manufactured by Cambridge Brass to meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSIG rated. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are standard.

### Part Number Format

Example: 1" Cambridge Coupling x 1" Cambridge Coupling = 119NL - U 4 U 4

| Series Number              | Inlet Connection       | Inlet Size | Outlet Connection      | Outlet Size |
|----------------------------|------------------------|------------|------------------------|-------------|
| 117NL = Adaptor            | U = Cambridge Coupling | 2 = 5/8"   | F = Female Iron Pipe   | 2 = 5/8"    |
| 119NL = Full Bore Coupling |                        | 3 = 3/4"   | M = Male Iron Pipe     | 3 = 3/4"    |
|                            |                        | 4 = 1"     | U = Cambridge Coupling | 4 = 1"      |
|                            |                        | 5 = 1 1/4" |                        | 5 = 1 1/4"  |
|                            |                        | 6 = 1 1/2" |                        | 6 = 1 1/2"  |
|                            |                        | 7 = 2"     |                        | 7 = 2"      |

### Dimensional Range:

- The Cambridge Couplings have a range of up to 0.400". That is more than 3/8" range from the minimum to maximum pipe size accommodated
- The greatest range of all couplings currently available
- Ranges of each coupling overlap slightly to accommodate different scenarios
- See table for specific sizing

### Types of pipe materials:

- Copper
- Polyethylene
- PVC
- Lead
- Polybutylene
- PEX
- Steel (Galvanized, stainless, iron)
- Virtually any type of waterworks pipe materials are acceptable
- Make sure to use appropriate range for the pipe OD
- Recommended to use stainless inserts to reinforce all flexible plastic materials

### Materials used in Coupling:

- All materials are NSF 61 approved for drinking water and meet US Public Law 111-380 (Bill S.3874), as well as NSF 61-G, NSF-61-G, NSF 372 and State No Lead Laws
- Body and nut are made of NO-LEAD Waterworks Brass (B89833), for strength and durability
- Gripper sub assembly:
- Gripper body is made of a high performance, water resistant polymer that has the right combination of flexibility & stiffness
- Stainless-Steel teeth provide restraint and electrical conductivity
- Rubber seals are made of NSF grade EPDM

### Ease of use:

- Make a clean straight cut on the pipe
- Tighten the connection before installing the tube so that the rubber seal is slightly larger than the pipe
- Insert the pipe to the appropriate depth (marked on body)
- Tighten on to pipe using standard wrenches until the nut can not be turned any further with reasonable force (recommended to meet or exceed 100 ft lbs)

### Design features:

- 300 PSI working pressure rating! Same as our other water works couplings
- The connection is shipped ready to use, simply insert the pipe and tighten
- Once tightened onto pipe, the teeth will penetrate the outer surface of the pipe and provide restraint The gripper body will form to the pipe OD and be in full contact and support the pipe around its entire circumference
- The rubber seals conform to the pipe diameter, providing high pressure sealing of the waterway as well as preventing contaminants and soil from entering the gripper area
- The gripper sub-assembly is symmetrical, and therefore the gripper sub-assembly is a snug fit in the nut preventing loss of the gripper and seals in trench
- The Stainless-Steel teeth provide electrical continuity from metallic pipes to the coupling body, eliminating the need for trace wires when metallic pipes are used
- Accommodates pipes that are slightly oval or slightly deformed, saving time and materials in some sizing situations

# Cambridge Coupling

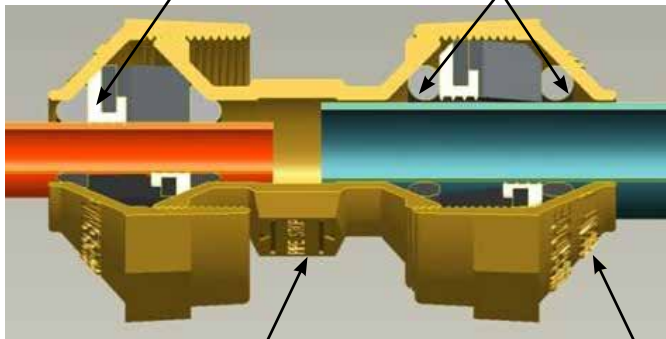
Rated for 300 PSIG

## Additional Information

- Every component is made of NSF-61 approved materials, and meets the low lead guidelines regardless of whether it is in contact with water
- Wide wrench flats make it easy to use common everyday tools to tighten the connections
- The coupling body and nuts are made of quality waterworks C89833

Two rows of Stainless-Steel gripping teeth are on each grip ring in alternating positions to provide restraint of the pipe, and electrical continuity to the coupling body (for metallic pipes).

The seal moves down the angled surface to accommodate the different sizes of pipe. The inner seal holds the pressure (300 PSI), while the outer seal keeps dirt and contaminants out of the fitting. Seals are made of NSF approved EPDM.



Pipes are inserted to the indicator markings on the body.

Size ranges are clearly marked in inches and millimeters on the outside of the nut



## Pipe OD Range Per Size

|    | Min. Inches | Max. Inches | Min. (mm) | Max. (mm) |
|----|-------------|-------------|-----------|-----------|
| U2 | 0.600       | 0.900       | 15.3      | 22.8      |
| U3 | 0.735       | 1.135       | 18.6      | 28.8      |
| U4 | 1.000       | 1.400       | 25.4      | 35.6      |
| U5 | 1.300       | 1.700       | 33.0      | 43.2      |
| U6 | 1.600       | 2.000       | 40.6      | 50.8      |
| U7 | 1.969       | 2.381       | 50.0      | 60.5      |

| Pipe Material                                   |                   | Nominal Pipe Size |        |        |        |        |        |     |
|---|-------------------|-------------------|--------|--------|--------|--------|--------|-----|
|   | Insert            | 1/2"              | 5/8"   | 3/4"   | 1"     | 1 1/4" | 1 1/2" | 2"  |
| Copper (CTS)                                    | Not Required      | U2                | U2, U3 | U2, U3 | U3, U4 | U4, U5 | U5, U6 | U7  |
| Polybutylene, Polyethylene, PET, PEX SDR9 (CTS) | Series 86         | U2                | U2, U3 | U2, U3 | U3, U4 | U4, U5 | U5, U6 | U7  |
| Galvanized Steel (IPS)                          | Not Required      | U2, U3            | -      | U3, U4 | U4, U5 | U5, U6 | U6     | U7  |
| Polyethylene SDR9, SDR11, SDR17 (IPS)           | Series 88, 89, 94 | -                 | -      | U3, U4 | U4, U5 | U5, U6 | U6     | U7  |
| PVC (IPS)                                       | Not Required      | U2, U3            | -      | U3, U4 | U4, U5 | U5, U6 | U6     | U7  |
| Polybutylene, Polyethylene PET, PEX, SDR7 (PE)  | Series 87         | U2, U3            | -      | U3, U4 | U4, U5 | U6     | U7     | N/A |
| Lead Pipe - Strong (S or A)                     | Not Required      | U2, U3            | U3, U4 | U4     | U5     | U6     | U7     | N/A |
| Lead Pipe - Extra Strong (XS or AA)             | Not Required      | U2, U3            | U3, U4 | U4     | U5     | U6     | U7     | N/A |
| Lead Pipe - Double Extra Strong (XXS or AAA)    | Not Required      | U3                | U4     | U4, U5 | U5     | U6     | U7     | N/A |

## Installation Instructions



**1. CUT PIPE TO LENGTH:**  
Make a clean cut, square to the pipe using an appropriate cutter (roll cutter or shears are preferred.)



**2. INSERTION LENGTH:**  
Put the fitting beside the pipe and note the length of the pipe to be inserted (use your thumb or marker as a guide.)



**3. INSERT THE PIPE:**  
Insert the pipe to the depth noted. (You may wish to tighten the nut to make the rubber close to the pipe diameter before insertion.



**4. TIGHTEN THE NUT:**  
Using standard wrenches, tighten the nut to seal and grip the pipe.

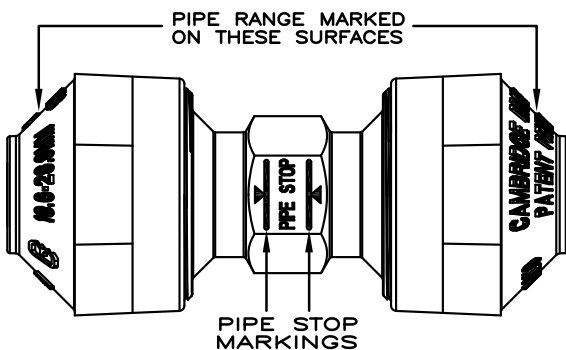


**5. COMPLETION:**  
Continue to tighten until the nut will not move with reasonable force.

## Installation Instructions



### CAMBRIDGE COUPLING



#### General Precautions

- 1) Handle parts carefully, do not drop, protect threads
  - 2) Avoid loose fitting wrenches
  - 3) Use stainless steel inserts in plastic tubing
  - 4) Piping must be cut square, clean, round and smooth.
- Do Not Use A Hacksaw**
- 5) Connection type is identified on end of nut
  - 6) Always pressure test for leaks before backfilling

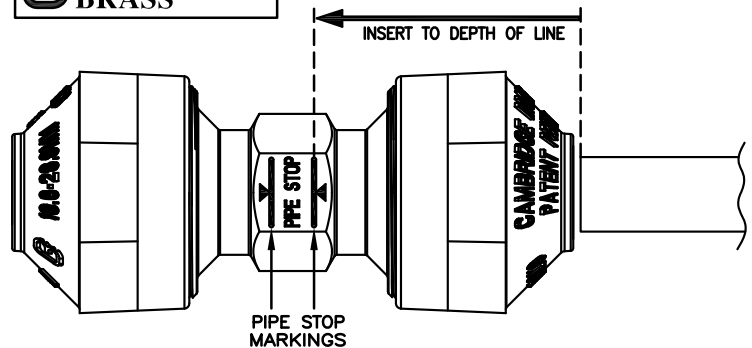
SEE REVERSE FOR INSTALLATION



311099A  
REV. B



### Installation Instructions



#### PIPE RANGES, PIPE MATERIALS.

1. Connect pipes with overall diameter within prescribed range.  
The range in mm and inches is marked on each nut of the coupling (see pictorial)
2. Connect pipes made from materials accepted in waterworks industry

#### MAKING THE CONNECTION

1. For pipes made from plastics, install the proper insert prior to installation
2. Pre tighten coupling to bring opening slightly larger than the overall diameter of the connected pipes
3. Insert pipe into coupling. Pipe must be inserted to the PIPE STOP marking located on the coupling body (see pictorial). Pipe insertion to the PIPE STOP marking IS CRITICAL for the proper function of the connection.
4. Tighten coupling

#### IMPORTANT

Coupling must be TIGHT. Tighten until you cannot move the nut any further with reasonable force. The threads of the coupling are lubricated to make tightening easy. A squeak sound may be possible. It is normal to see the gasket protruding from the nut when tightened onto smaller sized pipe.

## 3/4" up to 2" Ranger Fittings



Cambridge Brass' new RANGER fittings are designed with You, our Customer in mind. The unique design of the RANGER allows it to assemble onto multiple ranges of 3/4" up to 2" nominal pipe diameters from CTS up to PVC. It not only saves time, but the design of this wide-range fitting also reduces inventory by replacing up to 99 compression connections. When you know you have a 3/4" up to 2" service line in the ground, but you don't know the exact type of pipe, grab the RANGER. When you don't know what fitting is stocked on your shelf or don't have room to stock multiple fittings, stock one fitting. Stock the RANGER!

#### The 3/4" up to 2" RANGER will fit on the following types of pipes:

- CTS – Copper Tube Type K or L
- CTS – PEX Tubing ASTM F876 SDR 9 CSA B137.5
- PEP – Polybutylene ASTM D2662 SDR7
- PVC – Brass Pipe and PVC ASTM D1785 SCH. 40
- IPS – Polyethylene ASTM D3035 SDR 9 / SDR 11 OD Controlled Iron Pipe Size
- CTS – Polyethylene ASTM D2737 SDR 9 Tube Size
- CTS – Polybutylene ASTM D2666 SDR 9 Tube Size Class 250
- PEP – Polyethylene ASTM D2239 SDR7 / SDR9 Polyethylene Pipe Size
- IP – Steel Pipe

#### Features:

- Meet and exceeds AWWA C800-14, which requires fittings to be suitable for a water pressure of 150 PSIG
- Withstands the same pressures as the tubing, but must not be used with pressures exceeding 300 PSIG
- Double Lead Thread allows for compression nut to be assembled in half the time of a standard compression nut and eliminates the possibility of assembling an incompatible nut to these fittings.
- Designed for underground and aboveground cold potable water systems
- Large wrench flats for tightening
- Tighten-to-torque required - noted on installation instructions
- Provides pull-out strength equal to other compression fittings
- Insert stiffeners are required on all flexible plastic connections.

## Series 500, 510, 520 & 502 | Inline & Angle Single Check Valves | Inline Dual Check Valves Angle & Flanged Dual Check Valves | Inline Accessible Dual Check Valves

- Each valve pressure tested prior to shipment.
- Pressure rated at 175 PSIG.
- Temperature range 34°F to 180°F.
- Union or cap of check valve sealed with o-ring and allows easy access to check for inspection, maintenance or replacement and not dependent on cartridge.
- Cast brass Components AWWA C-800 current revision.
- Check is precision molded of plastic with stainless steel spring.
- Check is designed to hold 1 PSIG in the direction of flow.
- Can be installed in either the horizontal or vertical position.
- Can be field tested.
- Available with a wide variety of threaded or Compression outlet connections.
- Check assembly remains together when removed from body (no loose pieces).

### 590 Angle Single Check Valves

**Cambridge Brass' unique Angle Single Check Backflow Valves** have meter swivel nut inlets and a wide variety of outlet configurations. Angle single checks can be ordered on our copper meter setters, resetters, insetters, and iron yokes, or they can be used independently.

Our top cap and unique perpendicular check module design ensures convenient access for inspections, maintenance or replacements without removing the valve from the line. Backflow prevention will stop the house water from flowing into a meter pit or on the floor while removing the meter for service.



#### Features

- Available with a wide variety of threaded or Compression outlet connections.

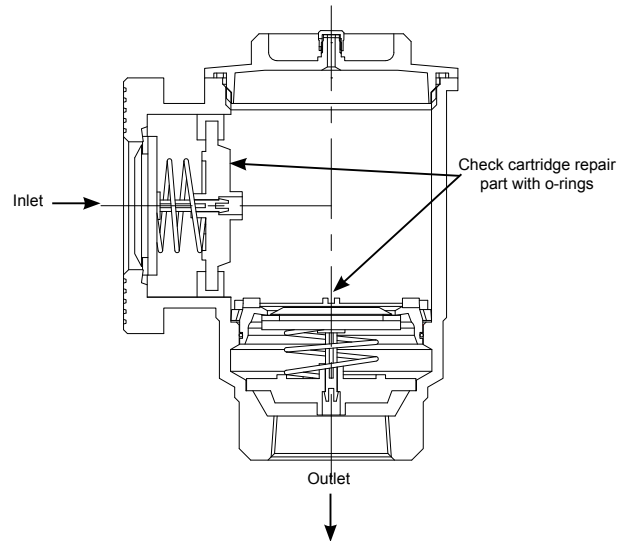
## 500 Flanged Angle Dual Check Valves

Cambridge Brass' unique Angle Dual Check Backflow Valves have meter oval flange inlet and FNPT outlet configurations. Angle dual checks can be ordered on our copper meter setters, resetters and insetters or they can be used independently.

Our top cap and unique perpendicular check module design ensures convenient access to both checks for inspections, maintenance, or replacements without removing the valve from the line. It also allows for a lower profile than traditional top entry dual checks. Backflow of water is still deterred if either of the checks is removed or inoperable.

### Features

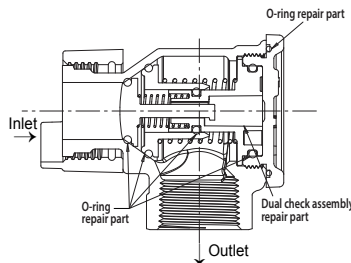
- Angle check valve available with FNPT tap
- Dual checks work independently of each other
- Design Tested to ANSI/ASSE 1024



## 501 Angle Cascading Dual Check Valves



### Installation Instructions Angle Cascading Dual Check Valve



| Meter size based on AWWA C700 |            |             |                  |
|-------------------------------|------------|-------------|------------------|
| Meter Size                    | Meter Code | Thread      | Valve Inlet Size |
| 5/8"                          | 1          | 3/4" NPSM   | 1                |
| 5/8" x 3/4"                   | 2          | 1" MPSM     | 3                |
| 3/4"                          | 3          | 1" NPSM     | 3                |
| 1"                            | 4          | 1 1/4" NPSM | 4                |

Contact factory for repair parts

Example Part: for 5/8" x 3/4" meter  
Order 501NL-T3F3

| Series Number | Inlet Connection                                | Inlet Size                     | Outlet Connection    | Outlet Size        |
|---------------|---|--------------------------------|----------------------|--------------------|
| 501NL-        | T = Swivel Meter Nut<br>SR = Iron Yoke Star Nut | 1 = 5/8"<br>3 = 3/4"<br>4 = 1" | F = Female Iron Pipe | 3 = 3/4"<br>4 = 1" |

Not all sizes or combinations are available - Contact Factory

(Installation and test procedures on opposite side)

1. Use only for residential and mobile home supply service or individual outlets.
2. The device can be installed in any position.
3. The device shall be installed in an accessible location to facilitate the removal for servicing and testing.
4. Service lines should be thoroughly flushed before installing the device. Excessive pipe sealant or Teflon tape may foul checks. A suitable strainer should be installed upstream of the device.
5. DO NOT use Vaseline®, plumber's grease, or any other petroleum based product on seals or O-rings.
6. Insure that device is installed in proper flow direction. Refer to flow direction arrow on body.
7. Do not over-tighten O-ring cap seal or across body cylinder to avoid distortion.
8. Any sweat fittings must be completed before installing device.
9. A pressure relief valve or expansion tank is recommended downstream of device if thermal expansion conditions are possible.
10. Use only on cold water services. Protect from freezing.
11. Refer to pressure and temperature ratings on device tag.

### FIELD INSPECTION AND TEST PROCEDURE

#### A. DIS-ASSEMBLY

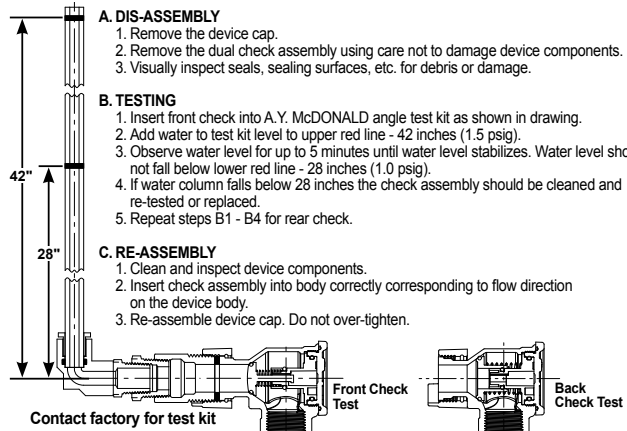
1. Remove the device cap.
2. Remove the dual check assembly using care not to damage device components.
3. Visually inspect seals, sealing surfaces, etc. for debris or damage.

#### B. TESTING

1. Insert front check into A.Y. McDONALD angle test kit as shown in drawing.
2. Add water to test kit level to upper red line - 42 inches (1.5 psig).
3. Observe water level for up to 5 minutes until water level stabilizes. Water level should not fall below lower red line - 28 inches (1.0 psig).
4. If water column falls below 28 inches the check assembly should be cleaned and re-tested or replaced.
5. Repeat steps B1 - B4 for rear check.

#### C. RE-ASSEMBLY

1. Clean and inspect device components.
2. Insert check assembly into body correctly corresponding to flow direction on the device body.
3. Re-assemble device cap. Do not over-tighten.



**WARNING:** It is unlawful in CALIFORNIA & VERMONT (effective 1/1/2010); MARYLAND (effective 1/1/2012); LOUISIANA (effective 1/1/2013) and the UNITED STATES OF AMERICA (effective 1/4/2014) to use any product in the installation or repair of any public water system or any plumbing in a facility or system that provides water for human consumption if the wetted surface area of the product has a weighted average lead content greater than 0.25%. This prohibition does not extend to service saddles used in California, Louisiana or under USA Public Law 111-380. **WARNING:** This product can expose you to chemicals including lead, which is known to the State of CALIFORNIA to cause cancer and birth defects or other reproductive harm. For more information go to: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



## 510 Inline Accessible Dual Check Valves

Cambridge Brass' unique Inline Accessible Dual Check Backflow Valves have meter swivel nut inlets and a wide variety of outlet configurations.

Our top cap and unique check module design ensures convenient access to both checks for inspections, maintenance or replacements without removing the valve from the line. Backflow of water is still deterred if either of the checks are removed or inoperable.

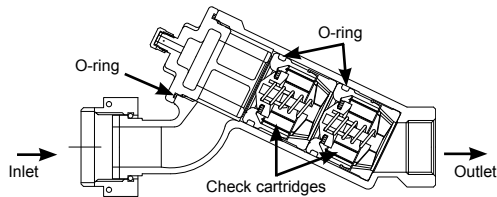
### Features

- Dual checks work independently of each other.
- Valve will operate with either check removed.
- Design Tested to ANSI/ASSE 1024



## Components and Repair Parts

### Standard Flow Direction



## 500 Angle Dual Check Valves

Cambridge Brass' unique Angle Dual Check Backflow Valves have meter swivel nut inlet and a wide variety of outlet configurations. Angle dual checks can be ordered on our copper meter setters, resetters, insetters, and iron yokes, or they can be used independently.

Our top cap and unique check module design ensures convenient access to both checks for inspections, maintenance or replacements without removing the valve from the line. Backflow of water is still deterred if either of the checks are removed or inoperable.

### Features

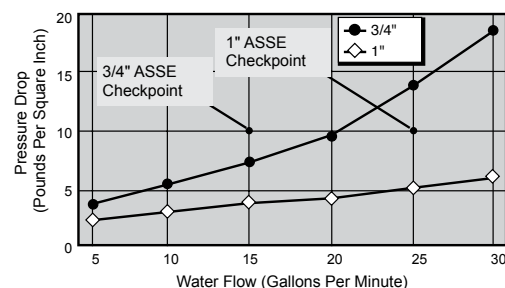
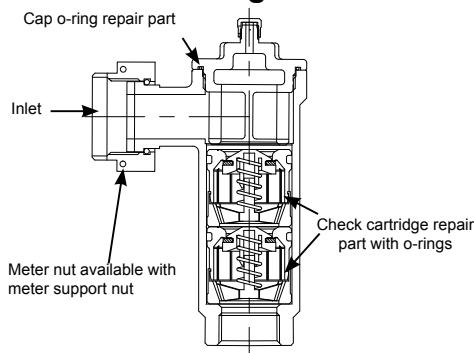
- Dual checks work independently of each other.
- Valve will operate with either check removed.
- Design Tested to ANSI/ASSE 1024 and CSA B64.6 requirements.



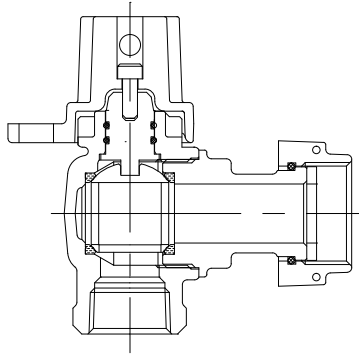
## Components and Repair Parts

Most check valves are made to order, please allow two weeks for delivery.

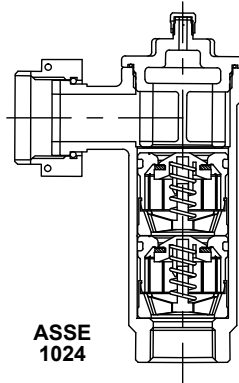
### Angle



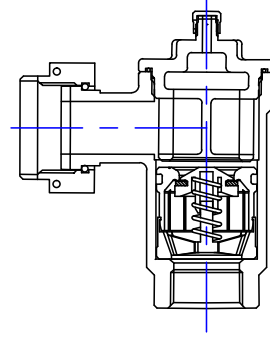
## Sectional View



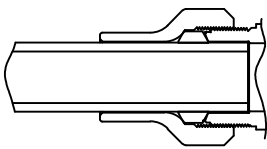
Angle Meter Valve Ball Style



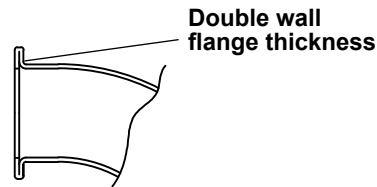
Angle Dual Poppet Check Valve



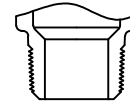
Single Poppet Check Valve



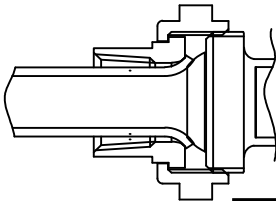
J - Haystite



Copper Tube Flange

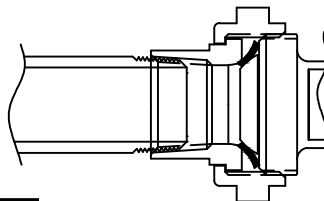


Male National Pipe Threads

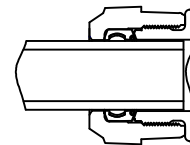


Flare

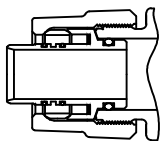
DUAL PURPOSE



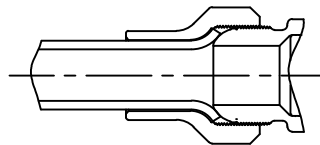
Female National Pipe Threads



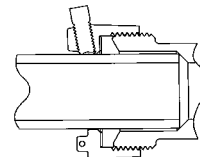
H Compression  
- Tighten to Stop



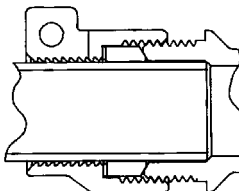
K - C903 - Tighten to Stop



C Flare



IP Compression



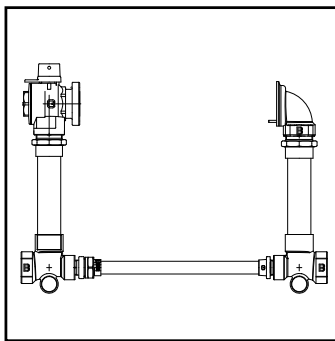
B, PE, PJ  
Compression

## 5/8", 5/8" x 3/4", 3/4", 1", 1 1/2", & 2" | Horizontal and Vertical Inlet / Outlet | Tandems - Series 6010, 6011, 6020, 6022, 6030, 6031, 6032, 6035, 6040, 6050 6060, 6065

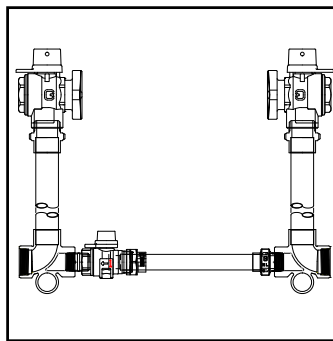
- Brass materials meet or exceed AWWA C-800 (latest revision)
- Copper tubing has a 13/16" O.D. for 5/8", 5/8" x 3/4" or 3/4" meter setters, 1 1/8" O.D. for 1" meter setters, 1 5/8" for 1 1/2" meter setters and 2 1/8" for 2" meter setters.
- Solder is no-lead.
- EPDM rubber gaskets are furnished as standard.
- All meter setters are factory tested air under water.
- Brass support bar is standard on 18" and higher meter setters.
- Lockwing style meter valves are standard.
- Meter swivel nuts with meter support saddle are standard
- For dual check backflow valves, see Dual Check Section.
- Brace eye hole accepts 1/2" iron pipe or PVC for 5/8", 5/8" x 3/4" and 3/4" meters and 1" vertical meter setters.
- Brace eye hole accepts 3/4" iron pipe for PVC or 1", horizontal meter setters.
- Brace eye hole accepts 1" iron pipe or PVC for 1 1/2" & 2", horizontal meter setters.

### 1 1/2" & 2" Meters

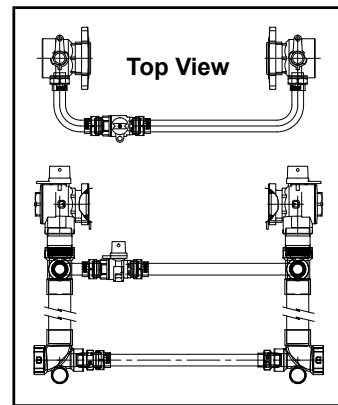
Standard spacing for 1 1/2" meter = 13 5/16". Standard spacing for 2" meter = 17 5/16" to allow for gaskets. Other meter lay lengths must be specified. Contact factory for: 360° turn valve, handle for ball valve, dielectric connections.



No Bypass (–)



Low Bypass (B)



Offset High Bypass (R)

| Meter Size          | 1 1/2" | 2"  |
|---------------------|--------|-----|
| Standard Lay Length | 13"    | 17" |

### Features

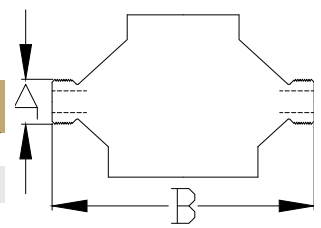
1. All ball valves have lockwings.
2. 1" copper cross tube is standard for no by-pass setters.
3. 1" brace eyes are standard.
4. 2" Meter flanges have slotted bolt holes to fit 1 1/2" or 2" meters.
5. Two drop in flange gaskets furnished
6. Two meter support brackets furnished.
7. Other vertical heights available, contact factory.
8. All copper tubing is "K" weight.
9. For special setting or resetting requirements, contact factory.

### OPTIONS

- Insert stiffeners are required on all flexible plastic connections
- Not all combinations available, contact factory.

### Meter Dimensions

| Meter Size      | 5/8"   | 3/4" Short Meter, 5/8" x 3/4" | 3/4" | 3/4" x 1" | 1"      | 1 1/2"      | 2"          |
|-----------------|--------|-------------------------------|------|-----------|---------|-------------|-------------|
| A-Meter Threads | 3/4"   | 1"                            | 1"   | 1 1/4"    | 1 1/4"  | Oval Flange | Oval Flange |
| B-Lay Length    | 7 1/2" | 7 1/2"                        | 9"   | 9"        | 10 3/4" | 13"         | 17"         |



**5/8", 5/8" x 3/4", 3/4", & 1" | Series 7010, 7011, 7020, 7025, 7030**

Cambridge Brass is pleased to present its extensive line of copper meter insetters. These fine, high quality products offer the end user greater versatility due to the wide variety of end connections, heights, valve options, sizes, and special configurations.

**Versatility.** That's the theme of our complete and flexible line of copper meter insetters. It also describes our system of model numbers. If you have requirements that are not contained in this catalog, please contact our customer service department. Our professional staff will be happy to work with you to select the product that will fit your needs.



- All cast brass parts conform to latest revision of AWWA C800.
- Copper tubing has a 13/16" O.D. for 5/8", 5/8" x 3/4" or 3/4" meter setters and 1 1/8" O.D. for 1" meter setters.
- Solder is no-lead.
- NSF rubber gaskets are furnished as standard.
- All meter setters tested air under water.
- All meter swivel nuts have wire seal hole.
- Lockwing style meter valves are standard.
- For dual check backflow valves, see Single & Dual Check section.

## Meter Setter Part Numbering

7010NL

- 2

H

3

H

3

Series  
Number

Meter Size

Inlet  
Connection

Inlet  
Size

Outlet  
Connection

Outlet  
Option

3/4" = 3  
1" = 4  
1 1/2" = 6  
2" = 7

3/4" = 3  
1" = 4  
1 1/2" = 6  
2" = 7

Angle Plug = AP

R/Port = V

Full Port = U

Single Check  
= X

Dual Check = Q

No Valve = O

No Test Port on Check  
= QN or XN

7010NL- Cellar Setter  
7011NL- Cellar Setter  
7020NL- Corner Setters  
7025NL- Available upon request  
7030NL- Available upon request

B = Campak  
C = Copper Flare  
D = Dual Purpose  
F = Female Iron Pipe  
GJ = Grip Joint  
H = CB Compression  
J = Haystite  
K = C903  
M = Male Iron Pipe  
PE = Connection for PEP (SIDR 7) Size Pipe  
PJ = Connection for PVC (IPS) Size Pipe  
N = Meter Thread

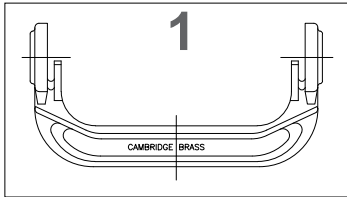


## Iron Yokes

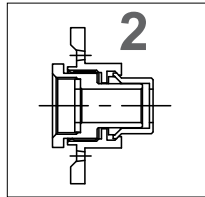
**Yoke Bars | Angle & Straight Valves | Yoke Couplings | Angle Single Check Valves | Inline & Angle Dual Check Valves | U-Branch & Yoke**

### How to Order

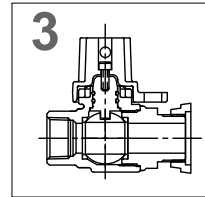
Be sure to order one of each to make up a complete assembly.



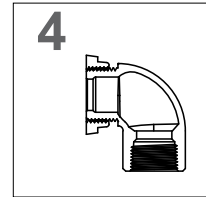
Cast Iron Yoke



Expansion Connection



Inlet Valve or Coupling "SR" outlet



Outlet Valve, Coupling, or Dual Check Valve "SR" inlet

## Yokes Assemblies - SR Valves and Check Valves

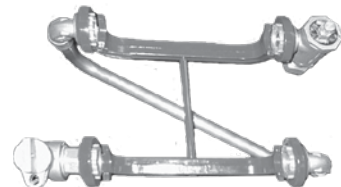
### Single Settings



### Dual Yoke Settings



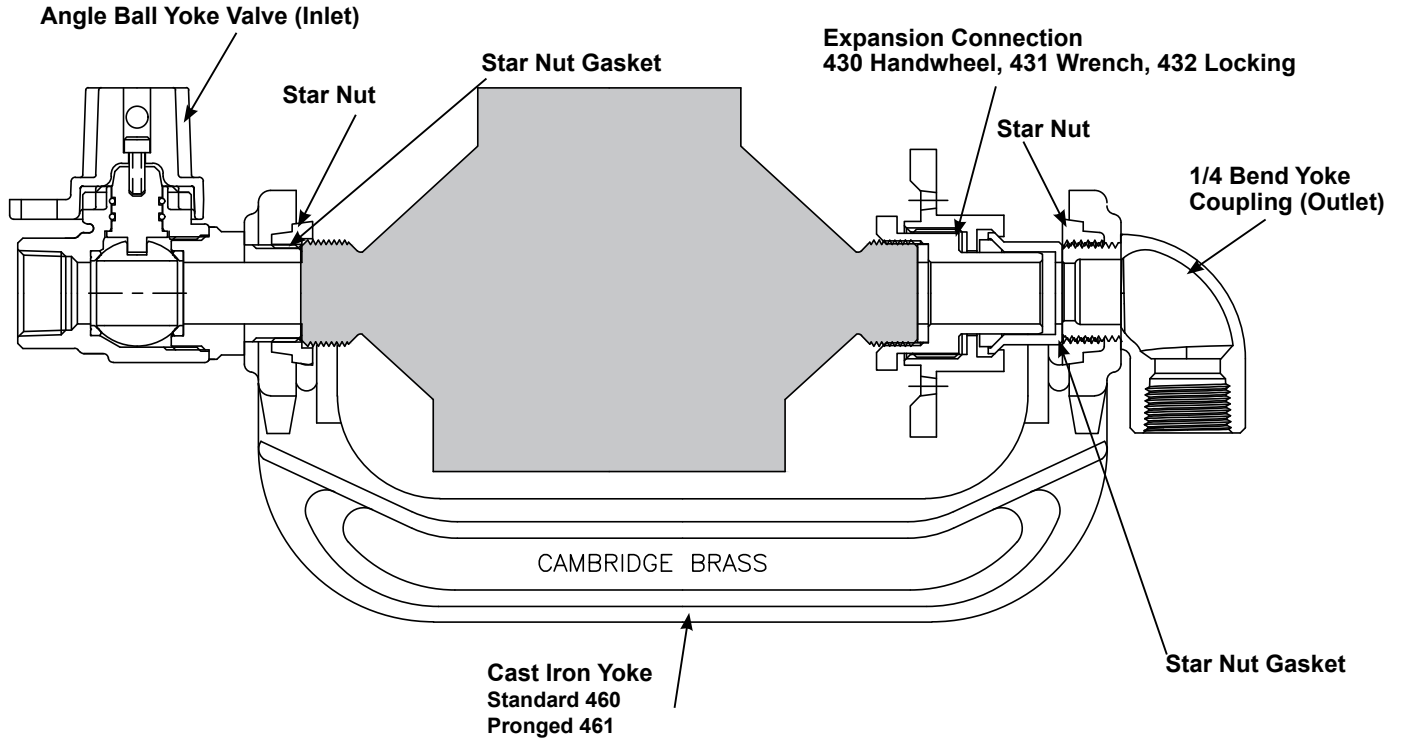
### Tandem Yoke Settings



### Yoke Bar Assembly Only with Tie Bar



## General Information



### NOTES

- All cast brass parts comply with latest revision of AWWA C800.
- Yoke bar material is ASTM A126 Class B cast iron.
- Meter gaskets are EPDM.
- Ball valves are rated at 300 PSIG water pressure - (See Meter Valve section).
- Plug valves are rated at 100 PSIG water pressure - (See Meter Valve section).
- Cast iron yoke is powder coated.
- Cast iron yoke has support lip to hold meter and expander during installation.
- Three piece brass expander has large tightening spokes and includes two star nut gaskets.





# CAMBRIDGE BRASS<sup>TM</sup> INC



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## Corporation Stops 2025



## Ball Style Part Number Format

Ball Valve Corporations Stops come standard with a 360° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Corporation Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.

### Part Number Format

Example: 1" Male Iron Pipe x CB Compression Ball Valve = **301NL - M 4 H 4**

| Series Number                           | Inlet Connection   | Inlet Size | Outlet Connection              | Outlet Size |
|---|--------------------|------------|--------------------------------|-------------|
| 301NL = Ball Style                      | A = AWWA           | 1 = 1/2"   | H = CB Compression             | 1 = 1/2"    |
| 302NL = Plug Style                      | M = Male Iron Pipe | 2 = 5/8"   | B = Campak                     | 2 = 5/8"    |
| 305NL = Corporation Replacement Adaptor |                    | 3 = 3/4"   | J = Haystite                   | 3 = 3/4"    |
| 306NL = Eight Bend Swivel Adaptor       |                    | 4 = 1"     | C = Copper Flare               | 4 = 1"      |
| 307NL = Quarter Bend Corporation Bend   |                    | 5 = 1 1/4" | K = C903 Compression           | 5 = 1 1/4"  |
| 311NL = Ball Style with T/Cap           |                    | 6 = 1 1/2" | F = Female Iron Pipe           | 6 = 1 1/2"  |
| 361NL = Ball Style Open Right           |                    | 7 = 2"     | M = Male Iron Pipe             | 7 = 2"      |
|   |                    |            | HE = CB Compression Elec. Tail |             |
|   |                    |            | CE = Copper Flare Elec. Tail   |             |
|   |                    |            | KE = C903 Elec. Tail           |             |
|   |                    |            | PE = PEP Campak                |             |
|   |                    |            | PJ = PVC Campak                |             |
|   |                    |            | GJ = Grip Joint                |             |
|   |                    |            | IP = Iron Pipe Compression     |             |
|   |                    |            | I = Insulated                  |             |
|   |                    |            | ID = Inside Driving Thread     |             |

Pricing in U.S. funds.



## Ball Style

Rated for 300 PSIG

Ball Valve Corporation's Stops come standard with a 360° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Corporation Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.

### Series 301NL

AWWA x Campak Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-A1B1  | 1/2"       | 1/2"        | 1.1            | 10      | \$70.34  |
| 301NL-A1B2  | 1/2"       | 5/8"        | 1.1            | 10      | \$70.34  |
| 301NL-A2B2  | 5/8"       | 5/8"        | 1.1            | 10      | \$76.01  |
| 301NL-A3B3  | 3/4"       | 3/4"        | 1.8            | 10      | \$112.38 |
| 301NL-A4B4  | 1"         | 1"          | 2.7            | 6       | \$147.96 |
| 301NL-A5B5  | 1 1/4"     | 1 1/4"      | 7.5            | 2       | \$316.82 |
| 301NL-A6B6  | 1 1/2"     | 1 1/2"      | 7.5            | 2       | \$331.61 |
| 301NL-A6B7  | 1 1/2"     | 2"          | 8.8            | 2       | \$403.46 |
| 301NL-A7B7  | 2"         | 2"          | 10.2           | 2       | \$548.51 |

### Series 301NL

AWWA x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-A3F3  | 3/4"       | 3/4"        | 1.7            | 15      | \$92.42  |
| 301NL-A4F4  | 1"         | 1"          | 2.0            | 8       | \$124.68 |
| 301NL-A5F5  | 1 1/4"     | 1 1/4"      | 5.8            | 2       | \$304.72 |
| 301NL-A6F6  | 1 1/2"     | 1 1/2"      | 6.0            | 2       | \$320.88 |
| 301NL-A7F7  | 2"         | 2"          | 8.7            | 2       | \$518.97 |

### Series 301NL

AWWA x Grip Joint



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-A3GJ3 | 3/4"       | 3/4"        | 1.7            | 15      | \$112.49 |
| 301NL-A4GJ4 | 1"         | 1"          | 2.9            | 6       | \$147.96 |

### Series 301NL

AWWA x Copper Flare



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-A1C1  | 1/2"       | 1/2"        | 1.1            | 10      | \$70.34  |
| 301NL-A3C3  | 3/4"       | 3/4"        | 1.9            | 10      | \$109.14 |
| 301NL-A4C4  | 1"         | 1"          | 2.9            | 6       | \$140.07 |
| 301NL-A5C5  | 1 1/4"     | 1 1/4"      | 8.4            | 2       | \$316.82 |
| 301NL-A6C6  | 1 1/2"     | 1 1/2"      | 8.5            | 2       | \$331.62 |
| 301NL-A7C7  | 2"         | 2"          | 12.8           | 2       | \$579.30 |

### Series 301NL

AWWA x CB Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-A1H1  | 1/2"       | 1/2"        | 1.1            | 10      | \$70.34  |
| 301NL-A1H2  | 1/2"       | 5/8"        | 1.1            | 10      | \$70.34  |
| 301NL-A2H2  | 5/8"       | 5/8"        | 1.1            | 10      | \$76.01  |
| 301NL-A3H3  | 3/4"       | 3/4"        | 1.6            | 15      | \$112.49 |
| 301NL-A4H4  | 1"         | 1"          | 2.4            | 6       | \$147.96 |
| 301NL-A5H5  | 1 1/4"     | 1 1/4"      | 8.2            | 2       | \$316.82 |
| 301NL-A6H6  | 1 1/2"     | 1 1/2"      | 7.5            | 2       | \$331.61 |
| 301NL-A6H7  | 1 1/2"     | 2"          | 8.4            | 2       | \$403.46 |
| 301NL-A7H7  | 2"         | 2"          | 10.0           | 2       | \$548.51 |

### Series 301NL

AWWA x Copper Flare

Electrical Connection



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-A3CE3 | 3/4"       | 3/4"        | 1.9            | 10      | \$122.54 |
| 301NL-A4CE4 | 1"         | 1"          | 2.9            | 6       | \$159.01 |

- Insert stiffeners are required for all connections using plastic flexible pipe see page 55
- For corporation stops less nut add LN to the end of the part number

Pricing in U.S. funds.

# Corporation Stops

## Ball Style

Rated for 300 PSIG

Ball Valve Corporation Stops come standard with a 360° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Corporation Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.

### Series 301NL

AWWA x CB Compression  
Electrical Connection



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-A3HE3 | 3/4"       | 3/4"        | 1.6            | 10      | \$119.95 |
| 301NL-A4HE4 | 1"         | 1"          | 2.5            | 6       | \$157.47 |
| 301NL-A6HE6 | 1 1/2"     | 1 1/2"      | 6.5            | 2       | \$356.02 |
| 301NL-A6HE7 | 1 1/2"     | 2"          | 8.2            | 2       | \$429.79 |
| 301NL-A7HE7 | 2"         | 2"          | 11.2           | 2       | \$578.13 |

### Series 301NL

AWWA x CB Compression  
Insulated



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-A3HI3 | 3/4"       | 3/4"        | 2.8            | 5       | \$182.55 |
| 301NL-A4HI4 | 1"         | 1"          | 4.8            | 4       | \$239.72 |
| 301NL-A6HI6 | 1 1/2"     | 1 1/2"      | 11.2           | 2       | \$564.40 |
| 301NL-A7HI7 | 2"         | 2"          | 18.1           | 1       | \$934.69 |

### Series 301NL

AWWA x Internal Driving Thread



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-A3ID3 | 3/4"       | 3/4"        | 2.8            | 5       | \$108.94 |
| 301NL-A4ID4 | 1"         | 1"          | 4.8            | 4       | \$137.85 |
| 301NL-A6ID6 | 1 1/2"     | 1 1/2"      | 11.2           | 2       | \$304.35 |
| 301NL-A7ID7 | 2"         | 2"          | 18.1           | 1       | \$518.99 |

### Series 301NL

AWWA x Haystite



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-A3J3  | 3/4"       | 3/4"        | 1.7            | 15      | \$112.49 |
| 301NL-A4J4  | 1"         | 1"          | 2.7            | 6       | \$147.96 |

### Series 301NL

AWWA x C903



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-A3K3  | 3/4"       | 3/4"        | 1.9            | 10      | \$144.13 |
| 301NL-A4K4  | 1"         | 1"          | 2.9            | 8       | \$195.76 |

### Series 301NL

AWWA x C903 Electrical Connection



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-A3KE3 | 3/4"       | 3/4"        | 2.1            | 10      | \$159.73 |
| 301NL-A4KE4 | 1"         | 1"          | 3.1            | 8       | \$250.46 |

### Series 301NL

AWWA x MIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-A1M1  | 1/2"       | 1/2"        | 0.8            | 10      | \$57.72  |
| 301NL-A3M3  | 3/4"       | 3/4"        | 1.4            | 15      | \$96.98  |
| 301NL-A3M4  | 3/4"       | 1"          | 2.0            | 12      | \$121.72 |
| 301NL-A4M4  | 1"         | 1"          | 2.2            | 6       | \$128.68 |
| 301NL-A5M5  | 1 1/4"     | 1 1/4"      | 6.4            | 2       | \$289.77 |
| 301NL-A5M6  | 1 1/4"     | 1 1/2"      | 6.4            | 2       | \$297.52 |
| 301NL-A6M6  | 1 1/2"     | 1 1/2"      | 6.4            | 2       | \$304.35 |
| 301NL-A6M7  | 1 1/2"     | 2"          | 7.3            | 2       | \$355.83 |
| 301NL-A7M7  | 2"         | 2"          | 9.3            | 2       | \$518.99 |

Pricing in U.S. funds.

- Insert stiffeners are required for all connections using plastic flexible pipe see page 55
- For corporation stops less nut add LN to the end of the part number

## Ball Style

Rated for 300 PSIG

Ball Valve Corporation Stops come standard with a 360° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Corporation Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.

### Series 301NL

AWWA x PEP Compression  
(PE SDR7)



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-A3PE3 | 3/4"       | 3/4"        | 2.5            | 10      | \$138.19 |
| 301NL-A4PE4 | 1"         | 1"          | 3.1            | 6       | \$170.03 |
| 301NL-A5PE5 | 1 1/4"     | 1 1/4"      | 7.0            | 2       | \$372.95 |
| 301NL-A6PE6 | 1 1/2"     | 1 1/2"      | 7.5            | 2       | \$403.47 |
| 301NL-A7PE7 | 2"         | 2"          | 9.5            | 2       | \$579.30 |

### Series 301NL

AWWA x PVC Compression (IPS)



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-A3PJ3 | 3/4"       | 3/4"        | 2.5            | 10      | \$138.19 |
| 301NL-A4PJ4 | 1"         | 1"          | 3.1            | 6       | \$170.03 |
| 301NL-A5PJ5 | 1 1/4"     | 1 1/4"      | 7.0            | 2       | \$372.95 |
| 301NL-A6PJ6 | 1 1/2"     | 1 1/2"      | 7.5            | 2       | \$403.47 |
| 301NL-A7PJ7 | 2"         | 2"          | 9.5            | 2       | \$579.30 |

### Series 301NL

MIP x Campak Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-M3B3  | 3/4"       | 3/4"        | 1.7            | 10      | \$112.49 |
| 301NL-M4B4  | 1"         | 1"          | 2.7            | 10      | \$147.96 |
| 301NL-M5B5  | 1 1/4"     | 1 1/4"      | 7.6            | 10      | \$316.82 |
| 301NL-M6B6  | 1 1/2"     | 1 1/2"      | 7.6            | 15      | \$331.61 |
| 301NL-M6B7  | 1 1/2"     | 2"          | 8.8            | 6       | \$403.46 |
| 301NL-M7B7  | 2"         | 2"          | 10.0           | 2       | \$548.51 |

### Series 301NL

MIP x Copper Flare



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-M1C1  | 1/2"       | 1/2"        | 1.8            | 20      | \$70.34  |
| 301NL-M3C3  | 3/4"       | 3/4"        | 1.8            | 10      | \$109.14 |
| 301NL-M4C4  | 1"         | 1"          | 2.8            | 6       | \$140.07 |
| 301NL-M5C5  | 1 1/4"     | 1 1/4"      | 8.4            | 2       | \$316.82 |
| 301NL-M6C6  | 1 1/2"     | 1 1/2"      | 8.4            | 2       | \$331.62 |
| 301NL-M7C7  | 2"         | 2"          | 12.4           | 1       | \$579.30 |

### Series 301NL

MIP x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-M3F3  | 3/4"       | 3/4"        | 1.3            | 15      | \$92.42  |
| 301NL-M4F4  | 1"         | 1"          | 1.9            | 10      | \$124.68 |
| 301NL-M5F5  | 1 1/4"     | 1 1/4"      | 5.8            | 2       | \$304.72 |
| 301NL-M5F6  | 1 1/4"     | 1 1/2"      | 5.8            | 2       | \$304.72 |
| 301NL-M6F6  | 1 1/2"     | 1 1/2"      | 5.8            | 2       | \$320.88 |
| 301NL-M7F7  | 2"         | 2"          | 10.0           | 2       | \$518.97 |

- Insert stiffeners are required for all connections using plastic flexible pipe see page 55
- For corporation stops less nut add LN to the end of the part number

Pricing in U.S. funds.

# Corporation Stops

## Ball Style

Rated for 300 PSIG

Ball Valve Corporation Stops come standard with a 360° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Corporation Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.

### Series 301NL MIP x Grip Joint



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-M3GJ3 | 3/4"       | 3/4"        | 1.7            | 15      | \$112.49 |
| 301NL-M4GJ4 | 1"         | 1"          | 2.9            | 6       | \$147.96 |
| 301NL-M6GJ6 | 1 1/2"     | 1 1/2"      | 7.4            | 2       | \$331.61 |
| 301NL-M7GJ7 | 2"         | 2"          | 9.8            | 2       | \$548.51 |

### Series 301NL MIP x Internal Driving Thread



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-M3ID3 | 3/4"       | 3/4"        | 1.8            | 10      | \$108.94 |
| 301NL-M4ID4 | 1"         | 1"          | 2.4            | 6       | \$137.85 |
| 301NL-M6ID6 | 1 1/2"     | 1 1/2"      | 7.2            | 2       | \$304.35 |
| 301NL-M7ID7 | 2"         | 2"          | 9.4            | 2       | \$518.99 |

### Series 301NL MIP x CB Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-M3H3  | 3/4"       | 3/4"        | 1.8            | 15      | \$112.49 |
| 301NL-M4H4  | 1"         | 1"          | 2.7            | 6       | \$147.96 |
| 301NL-M5H5  | 1 1/4"     | 1 1/4"      | 8.3            | 2       | \$316.82 |
| 301NL-M6H6  | 1 1/2"     | 1 1/2"      | 7.2            | 2       | \$331.61 |
| 301NL-M6H7  | 1 1/2"     | 2"          | 8.8            | 2       | \$403.46 |
| 301NL-M7H7  | 2"         | 2"          | 9.4            | 2       | \$548.51 |

### Series 301NL MIP x Haystite

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-M3J3  | 3/4"       | 3/4"        | 1.9            | 15      | \$112.49 |
| 301NL-M4J4  | 1"         | 1"          | 2.7            | 6       | \$147.96 |

### Series 301NL MIP x CB Compression Electrical Connection



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-M3HE3 | 3/4"       | 3/4"        | 2.1            | 10      | \$119.95 |
| 301NL-M4HE4 | 1"         | 1"          | 2.9            | 6       | \$157.47 |
| 301NL-M6HE6 | 1 1/2"     | 1 1/2"      | 8.5            | 2       | \$356.02 |
| 301NL-M6HE7 | 1 1/2"     | 2"          | 7.5            | 2       | \$429.79 |
| 301NL-M7HE7 | 2"         | 2"          | 9.5            | 2       | \$578.13 |

### Series 301NL MIP x C903



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-M3K3  | 3/4"       | 3/4"        | 1.7            | 10      | \$144.13 |
| 301NL-M4K4  | 1"         | 1"          | 2.7            | 8       | \$195.76 |

### Series 301NL MIP x C903 Electrical Connection



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-M3KE3 | 3/4"       | 3/4"        | 1.9            | 10      | \$159.73 |
| 301NL-M4KE4 | 1"         | 1"          | 2.7            | 6       | \$250.46 |

Pricing in U.S. funds.

- Insert stiffeners are required for all connections using plastic flexible pipe see page 55
- For corporation stops less nut add LN to the end of the part number

## Ball Style

Rated for 300 PSIG

Ball Valve Corporation's Stops come standard with a 360° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Corporation Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.

### Series 301NL

MIP x MIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-M3M3  | 3/4"       | 3/4"        | 1.4            | 10      | \$96.98  |
| 301NL-M4M4  | 1"         | 1"          | 1.5            | 6       | \$128.68 |
| 301NL-M5M5  | 1 1/4"     | 1 1/4"      | 6.2            | 2       | \$249.93 |
| 301NL-M6M6  | 1 1/2"     | 1 1/2"      | 6.3            | 2       | \$304.35 |
| 301NL-M6M7  | 1 1/2"     | 2"          | 7.7            | 2       | \$355.83 |
| 301NL-M7M7  | 2"         | 2"          | 8.8            | 2       | \$518.99 |

### Series 301NL

MIP x PEP Compression  
(PE SDR7)



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-M3PE3 | 3/4"       | 3/4"        | 2.5            | 10      | \$138.19 |
| 301NL-M4PE4 | 1"         | 1"          | 3.1            | 6       | \$170.03 |
| 301NL-M5PE5 | 1 1/4"     | 1 1/4"      | 7.0            | 2       | \$372.95 |
| 301NL-M6PE6 | 1 1/2"     | 1 1/2"      | 7.5            | 2       | \$403.47 |
| 301NL-M7PE7 | 2"         | 2"          | 9.5            | 2       | \$579.30 |

### Series 301NL

MIP x PVC Compression (IPS)



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 301NL-M3PJ3 | 3/4"       | 3/4"        | 2.5            | 10      | \$138.19 |
| 301NL-M4PJ4 | 1"         | 1"          | 3.1            | 6       | \$170.03 |
| 301NL-M5PJ5 | 1 1/4"     | 1 1/4"      | 7.0            | 2       | \$372.95 |
| 301NL-M6PJ6 | 1 1/2"     | 1 1/2"      | 7.5            | 2       | \$403.47 |
| 301NL-M7PJ7 | 2"         | 2"          | 9.5            | 2       | \$579.30 |

- Insert stiffeners are required for all connections using plastic flexible pipe see page 55
- For corporation stops less nut add LN to the end of the part number

Pricing in U.S. funds.

## Ball Style - Tee Head

Rated for 300 PSIG

Ball Valve Corporations Stops come standard with a 360° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Corporation Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.

### Series 311NL

AWWA x Campak Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 311NL-A3B3  | 3/4"       | 3/4"        | 2.3            | 10      | \$144.09 |
| 311NL-A4B4  | 1"         | 1"          | 3.5            | 6       | \$179.56 |
| 311NL-A5B5  | 1 1/4"     | 1 1/4"      | 8.1            | 2       | \$351.11 |
| 311NL-A6B6  | 1 1/2"     | 1 1/2"      | 8.3            | 2       | \$366.23 |
| 311NL-A6B7  | 1 1/2"     | 2"          | 9.6            | 2       | \$413.52 |
| 311NL-A7B7  | 2"         | 2"          | 11.0           | 2       | \$582.93 |

### Series 311NL

AWWA x Grip Joint



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 311NL-A3GJ3 | 3/4"       | 3/4"        | 2.5            | 10      | \$144.09 |
| 311NL-A4GJ4 | 1"         | 1"          | 3.7            | 6       | \$179.56 |

### Series 311NL

AWWA x Copper Flare



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 311NL-A3C3  | 3/4"       | 3/4"        | 2.7            | 10      | \$140.71 |
| 311NL-A4C4  | 1"         | 1"          | 3.7            | 6       | \$175.78 |
| 311NL-A6C6  | 1 1/2"     | 1 1/2"      | 9.3            | 2       | \$366.23 |
| 311NL-A7C7  | 2"         | 2"          | 13.6           | 2       | \$626.72 |

### Series 311NL

AWWA x CB Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 311NL-A3H3  | 3/4"       | 3/4"        | 2.3            | 10      | \$144.09 |
| 311NL-A4H4  | 1"         | 1"          | 3.2            | 6       | \$179.56 |
| 311NL-A5H5  | 1 1/4"     | 1 1/4"      | 9.0            | 2       | \$351.11 |
| 311NL-A6H6  | 1 1/2"     | 1 1/2"      | 8.2            | 2       | \$366.23 |
| 311NL-A6H7  | 1 1/2"     | 2"          | 9.2            | 2       | \$413.52 |
| 311NL-A7H7  | 2"         | 2"          | 10.8           | 2       | \$582.93 |

### Series 311NL

AWWA x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 311NL-A3F3  | 3/4"       | 3/4"        | 2.5            | 10      | \$124.04 |
| 311NL-A4F4  | 1"         | 1"          | 2.8            | 6       | \$156.16 |
| 311NL-A6F6  | 1 1/2"     | 1 1/2"      | 6.8            | 2       | \$355.40 |
| 311NL-A7F7  | 2"         | 2"          | 9.5            | 2       | \$553.54 |

### Series 311NL

AWWA x CB Electrical Connection



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 311NL-A3HE3 | 3/4"       | 3/4"        | 2.0            | 10      | \$150.82 |
| 311NL-A4HE4 | 1"         | 1"          | 3.3            | 6       | \$188.10 |
| 311NL-A6HE6 | 1 1/2"     | 1 1/2"      | 8.6            | 2       | \$388.00 |
| 311NL-A7HE7 | 2"         | 2"          | 11.7           | 2       | \$609.28 |

Pricing in U.S. funds.

- Insert stiffeners are required for all connections using plastic flexible pipe see page 55
- For corporation stops less nut add LN to the end of the part number



## Ball Style - Tee Head

Rated for 300 PSIG

Ball Valve Corporation's Stops come standard with a 360° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Corporation Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.

### Series 311NL

AWWA x C903



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 311NL-A3K3  | 3/4"       | 3/4"        | 2.7            | 10      | \$175.14 |
| 311NL-A4K4  | 1"         | 1"          | 3.7            | 6       | \$222.33 |

### Series 361NL

AWWA x CB Compression Open Right



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 361NL-A3H3  | 3/4"       | 3/4"        | 1.6            | 15      | \$144.10 |
| 361NL-A4H4  | 1"         | 1"          | 2.4            | 6       | \$179.62 |
| 361NL-A5H5  | 1 1/4"     | 1 1/4"      | 8.2            | 2       | \$351.11 |
| 361NL-A6H6  | 1 1/2"     | 1 1/2"      | 7.5            | 2       | \$366.23 |
| 361NL-A6H7  | 1 1/2"     | 2"          | 8.4            | 2       | \$438.04 |
| 361NL-A7H7  | 2"         | 2"          | 10.0           | 2       | \$582.92 |

### Series 311NL

AWWA x MIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 311NL-A3M3  | 3/4"       | 3/4"        | 1.9            | 10      | \$128.60 |
| 311NL-A4M4  | 1"         | 1"          | 3.0            | 6       | \$160.24 |
| 311NL-A6M6  | 1 1/2"     | 1 1/2"      | 7.2            | 2       | \$338.87 |
| 311NL-A7M7  | 2"         | 2"          | 10.1           | 2       | \$553.53 |

### Series 311NL

MIP x Campak Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 311NL-M3B3  | 3/4"       | 3/4"        | 2.5            | 10      | \$144.09 |
| 311NL-M4B4  | 1"         | 1"          | 3.5            | 6       | \$179.56 |
| 311NL-M5B5  | 1 1/4"     | 1 1/4"      | 8.1            | 2       | \$351.11 |
| 311NL-M6B6  | 1 1/2"     | 1 1/2"      | 8.4            | 2       | \$366.23 |
| 311NL-M6B7  | 1 1/2"     | 2"          | 9.6            | 2       | \$413.52 |
| 311NL-M7B7  | 2"         | 2"          | 10.8           | 2       | \$582.93 |

### Series 311NL

MIP x Copper Flare



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 311NL-M3C3  | 3/4"       | 3/4"        | 2.6            | 10      | \$140.71 |
| 311NL-M4C4  | 1"         | 1"          | 3.1            | 6       | \$175.78 |
| 311NL-M6C6  | 1 1/2"     | 1 1/2"      | 9.2            | 2       | \$366.23 |
| 311NL-M7C7  | 2"         | 2"          | 13.2           | 2       | \$626.72 |

- Insert stiffeners are required for all connections using plastic flexible pipe see page 55
- For corporation stops less nut add LN to the end of the part number

Pricing in U.S. funds.

# Corporation Stops

## Ball Style - Tee Head

Rated for 300 PSIG

Ball Valve Corporation Stops come standard with a 360° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Corporation Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.

### Series 311NL

MIP x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 311NL-M3F3  | 3/4"       | 3/4"        | 1.6            | 10      | \$124.04 |
| 311NL-M4F4  | 1"         | 1"          | 2.7            | 6       | \$156.16 |
| 311NL-M6F6  | 1 1/2"     | 1 1/2"      | 6.4            | 2       | \$355.40 |
| 311NL-M7F7  | 2"         | 2"          | 9.0            | 2       | \$553.54 |

### Series 311NL

MIP x C903



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 311NL-M3K3  | 3/4"       | 3/4"        | 2.5            | 10      | \$175.14 |
| 311NL-M4K4  | 1"         | 1"          | 3.5            | 6       | \$222.33 |

### Series 311NL

MIP x Grip Joint



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 311NL-M3GJ3 | 3/4"       | 3/4"        | 2.5            | 10      | \$144.08 |
| 311NL-M4GJ4 | 1"         | 1"          | 3.5            | 6       | \$179.56 |
| 311NL-M6GJ6 | 1 1/2"     | 1 1/2"      | 8.2            | 2       | \$413.52 |
| 311NL-M7GJ7 | 2"         | 2"          | 11.0           | 2       | \$582.93 |

### Series 311NL

MIP x MIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 311NL-M3M3  | 3/4"       | 3/4"        | 2.2            | 10      | \$128.60 |
| 311NL-M4M4  | 1"         | 1"          | 2.5            | 6       | \$160.24 |
| 311NL-M6M6  | 1 1/2"     | 1 1/2"      | 7.2            | 2       | \$338.87 |
| 311NL-M7M7  | 2"         | 2"          | 9.6            | 2       | \$553.53 |

### Series 311NL

MIP x CB Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 311NL-M3H3  | 3/4"       | 3/4"        | 2.6            | 10      | \$144.09 |
| 311NL-M4H4  | 1"         | 1"          | 3.5            | 6       | \$179.56 |
| 311NL-M5H5  | 1 1/4"     | 1 1/4"      | 9.0            | 2       | \$351.11 |
| 311NL-M6H6  | 1 1/2"     | 1 1/2"      | 7.9            | 2       | \$366.23 |
| 311NL-M6H7  | 1 1/2"     | 2"          | 9.6            | 2       | \$413.52 |
| 311NL-M7H7  | 2"         | 2"          | 10.8           | 2       | \$582.93 |

### Series 361NL

MIP x CB Compression Open Right



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 361NL-M3H3  | 3/4"       | 3/4"        | 1.6            | 15      | \$144.10 |
| 361NL-M4H4  | 1"         | 1"          | 2.4            | 6       | \$179.62 |
| 361NL-M5H5  | 1 1/4"     | 1 1/4"      | 8.2            | 2       | \$351.11 |
| 361NL-M6H6  | 1 1/2"     | 1 1/2"      | 7.5            | 2       | \$366.23 |
| 361NL-M6H7  | 1 1/2"     | 2"          | 8.4            | 2       | \$438.04 |
| 361NL-M7H7  | 2"         | 2"          | 10.0           | 2       | \$582.92 |

Pricing in U.S. funds.

- Insert stiffeners are required for all connections using plastic flexible pipe see page 55
- For corporation stops less nut add LN to the end of the part number

## Plug Style

Rated for 100 PSIG

Plug Valve Corporation Stops are precision machined to assure a perfect match between the plug and the body. This same machining precision carries over to the threads to assure Cambridge Brass' high quality. Corporation stops come standard with a 360° operating head. Use only smooth jawed wrenches on corporation stop bodies and position the wrench only on the flats provided on the bodies. Also position your wrench as close as possible to the threads being tightened to avoid excessive strain or bending moment on the body. Pressure ratings are: 100 PSIG for 3/4" and 1". For applications over 1", Cambridge Brass recommends the use of Ball Valves.

### Series 302NL

AWWA x Campak Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-A3B3  | 3/4"       | 3/4"        | 1.7            | 12      | \$76.05    |
| 302NL-A3B4  | 3/4"       | 1"          | 2.2            | 10      | \$96.75    |
| 302NL-A4B4  | 1"         | 1"          | 2.8            | 6       | \$115.05   |

### Series 302NL

AWWA x Grip Joint



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-A3GJ3 | 3/4"       | 3/4"        | 1.7            | 12      | \$76.05    |
| 302NL-A3GJ4 | 3/4"       | 1"          | 3.0            | 10      | \$96.75    |
| 302NL-A4GJ3 | 1"         | 1"          | 3.0            | 6       | \$115.05   |

### Series 302NL

AWWA x Copper Flare



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-A3C3  | 3/4"       | 3/4"        | 1.8            | 10      | \$70.74    |
| 302NL-A4C4  | 1"         | 1"          | 3.0            | 5       | \$108.10   |

### Series 302NL

AWWA x CB Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-A3H3  | 3/4"       | 3/4"        | 1.7            | 12      | \$76.05    |
| 302NL-A3H4  | 3/4"       | 1"          | 2.2            | 10      | \$96.75    |
| 302NL-A4H4  | 1"         | 1"          | 2.9            | 6       | \$115.05   |

### Series 302NL

AWWA x Copper Flare Electrical



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-A3CE3 | 3/4"       | 3/4"        | 1.8            | 10      | \$84.39    |
| 302NL-A4CE4 | 1"         | 1"          | 3.0            | 5       | \$127.64   |

### Series 302NL

AWWA x CB Compression Insulated



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-A3HI3 | 3/4"       | 3/4"        | 2.2            | 5       | \$129.17   |
| 302NL-A4HI4 | 1"         | 1"          | 2.9            | 6       | \$192.25   |

### Series 302NL

AWWA x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-A3F3  | 3/4"       | 3/4"        | 1.4            | 15      | \$76.05    |
| 302NL-A4F4  | 1"         | 1"          | 2.5            | 8       | \$113.31   |

### Series 302NL

AWWA x CB Compression Electrical Connection



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-A3HE3 | 3/4"       | 3/4"        | 1.7            | 10      | \$84.61    |
| 302NL-A3HE4 | 3/4"       | 1"          | 2.4            | 10      | \$106.21   |
| 302NL-A4HE4 | 1"         | 1"          | 2.6            | 6       | \$126.36   |

- Insert stiffeners are required for all connections using plastic flexible pipe see page 55
- For corporation stops less nut add LN to the end of the part number

Pricing in U.S. funds.

# Corporation Stops

## Plug Style

Rated for 100 PSIG

Plug Valve Corporation Stops are precision machined to assure a perfect match between the plug and the body. This same machining precision carries over to the threads to assure Cambridge Brass' high quality. Corporation stops come standard with a 360° operating head. Use only smooth jawed wrenches on corporation stop bodies and position the wrench only on the flats provided on the bodies. Also position your wrench as close as possible to the threads being tightened to avoid excessive strain or bending moment on the body. Pressure ratings are: 100 PSIG for 3/4" and 1". For applications over 1", Cambridge Brass recommends the use of Ball Valves.

### Series 302NL AWWA x Haystite



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-A3J3  | 3/4"       | 3/4"        | 1.7            | 12      | \$76.05    |
| 302NL-A3J4  | 3/4"       | 1"          | 2.2            | 10      | \$96.75    |
| 302NL-A4J4  | 1"         | 1"          | 2.9            | 6       | \$115.05   |

### Series 302NL AWWA x C903



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-A3K3  | 3/4"       | 3/4"        | 1.8            | 10      | \$107.71   |
| 302NL-A3K4  | 3/4"       | 3/4"        | 2.2            | 10      | \$144.64   |
| 302NL-A4K4  | 1"         | 1"          | 3.0            | 6       | \$162.85   |

### Series 302NL AWWA x C903 Electrical Connection



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-A3KE3 | 3/4"       | 3/4"        | 2.1            | 10      | \$133.29   |
| 302NL-A3KE4 | 3/4"       | 1"          | 2.3            | 10      | \$161.30   |
| 302NL-A4KE4 | 1"         | 1"          | 3.1            | 6       | \$213.40   |

### Series 302NL AWWA x MIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-A3M3  | 3/4"       | 3/4"        | 1.4            | 12      | \$66.85    |
| 302NL-A4M4  | 1"         | 1"          | 2.2            | 8       | \$101.04   |

### Series 302NL AWWA x PEP Compression (PE SDR7)



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-A3PE3 | 3/4"       | 3/4"        | 2.8            | 10      | \$94.38    |

### Series 302NL AWWA x PVC Compression (IPS)



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-A3PJ3 | 3/4"       | 3/4"        | 2.8            | 10      | \$94.38    |

### Series 302NL MIP x Campak Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-M3B3  | 3/4"       | 3/4"        | 1.6            | 12      | \$76.05    |
| 302NL-M3B4  | 3/4"       | 1"          | 2.2            | 10      | \$96.75    |
| 302NL-M4B4  | 1"         | 1"          | 2.8            | 6       | \$115.05   |

### Series 302NL MIP x Copper Flare



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-M3C3  | 3/4"       | 3/4"        | 1.7            | 10      | \$70.74    |
| 302NL-M4C4  | 1"         | 1"          | 3.0            | 5       | \$108.10   |

Pricing in U.S. funds.

- Insert stiffeners are required for all connections using plastic flexible pipe see page 55
- For corporation stops less nut add LN to the end of the part number

## Plug Style

Rated for 100 PSIG

Plug Valve Corporation Stops are precision machined to assure a perfect match between the plug and the body. This same machining precision carries over to the threads to assure Cambridge Brass' high quality. Corporation stops come standard with a 360° operating head. Use only smooth jawed wrenches on corporation stop bodies and position the wrench only on the flats provided on the bodies. Also position your wrench as close as possible to the threads being tightened to avoid excessive strain or bending moment on the body. Pressure ratings are: 100 PSIG for 3/4" and 1". For applications over 1", Cambridge Brass recommends the use of Ball Valves.

### Series 302NL

MIP x Copper Flare Electrical



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-M3CE3 | 3/4"       | 3/4"        | 1.9            | 10      | \$84.39    |
| 302NL-M4CE4 | 1"         | 1"          | 2.7            | 5       | \$127.64   |

### Series 302NL

MIP x CB Compression Insulated



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-M3HI3 | 3/4"       | 3/4"        | 2.2            | 5       | \$129.17   |
| 302NL-M4HI4 | 1"         | 1"          | 2.9            | 6       | \$192.25   |

### Series 302NL

MIP x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-M3F3  | 3/4"       | 3/4"        | 1.3            | 15      | \$76.05    |
| 302NL-M4F4  | 1"         | 1"          | 2.3            | 8       | \$113.31   |

### Series 302NL

MIP x CB Compression Electrical



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-M3HE3 | 3/4"       | 3/4"        | 0.9            | 12      | \$84.61    |
| 302NL-M3HE4 | 3/4"       | 1"          | 1.8            | 10      | \$106.32   |
| 302NL-M4HE4 | 1"         | 1"          | 2.8            | 6       | \$126.36   |

### Series 302NL

MIP x CB Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-M3H3  | 3/4"       | 3/4"        | 1.7            | 12      | \$76.05    |
| 302NL-M3H4  | 3/4"       | 1"          | 2.2            | 10      | \$96.75    |
| 302NL-M4H4  | 1"         | 1"          | 2.8            | 6       | \$115.05   |

### Series 302NL

MIP x Haystite



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-M3J3  | 3/4"       | 3/4"        | 0.9            | 12      | \$76.05    |
| 302NL-M3J4  | 3/4"       | 1"          | 1.7            | 15      | \$96.75    |
| 302NL-M4J4  | 1"         | 1"          | 2.5            | 6       | \$115.05   |

### Series 302NL

MIP x Grip Joint



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-M3GJ3 | 3/4"       | 3/4"        | 1.6            | 12      | \$76.05    |
| 302NL-M3GJ4 | 3/4"       | 1"          | 2.2            | 10      | \$96.75    |
| 302NL-M4GJ4 | 1"         | 1"          | 2.8            | 6       | \$130.56   |

### Series 302NL

MIP x C903



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-M3K3  | 3/4"       | 3/4"        | 1.9            | 10      | \$107.71   |
| 302NL-M3K4  | 3/4"       | 1"          | 2.2            | 10      | \$144.64   |
| 302NL-M4K4  | 1"         | 1"          | 2.6            | 6       | \$162.85   |

- Insert stiffeners are required for all connections using plastic flexible pipe see page 55
- For corporation stops less nut add LN to the end of the part number

Pricing in U.S. funds.

# Corporation Stops

## Plug Style

Rated for 100 PSIG

Plug Valve Corporation Stops are precision machined to assure a perfect match between the plug and the body. This same machining precision carries over to the threads to assure Cambridge Brass' high quality. Corporation stops come standard with a 360° operating head. Use only smooth jawed wrenches on corporation stop bodies and position the wrench only on the flats provided on the bodies. Also position your wrench as close as possible to the threads being tightened to avoid excessive strain or bending moment on the body. Pressure ratings are: 100 PSIG for 3/4" and 1". For applications over 1", Cambridge Brass recommends the use of Ball Valves.

### Series 302NL

MIP x C903 Electrical



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-M3KE3 | 3/4"       | 3/4"        | 1.9            | 12      | \$133.29   |
| 302NL-M3KE4 | 3/4"       | 1"          | 2.2            | 10      | \$160.86   |
| 302NL-M4KE4 | 1"         | 1"          | 2.6            | 6       | \$213.40   |

### Series 302NL

MIP x MIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-M3M3  | 3/4"       | 3/4"        | 1.3            | 12      | \$66.85    |
| 302NL-M4M4  | 1"         | 1"          | 2.3            | 8       | \$101.04   |

### Series 302NL

MIP x PEP Compression (PE SDR7)



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-M3PE3 | 3/4"       | 3/4"        | 2.9            | 12      | \$94.38    |

### Series 302NL

MIP x PVC Compression (IPS)



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 302NL-M3PJ3 | 3/4"       | 3/4"        | 2.9            | 12      | \$94.38    |

Pricing in U.S. funds.

- Insert stiffeners are required for all connections using plastic flexible pipe see page 55
- For corporation stops less nut add LN to the end of the part number



## Accessories

For use with corporation stops, both ball and plug style to suit applications, adaptors are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.

### Adaptors

#### Series 305NL

AWWA x Campak Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price   |
|-------------|------------|-------------|----------------|---------|---------|
| 305NL-A3B3  | 3/4"       | 3/4"        | 0.7            | 25      | \$45.46 |
| 305NL-A4B4  | 1"         | 1"          | 1.0            | 15      | \$74.90 |

#### Series 305NL

AWWA x CB Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price   |
|-------------|------------|-------------|----------------|---------|---------|
| 305NL-A3H3  | 3/4"       | 3/4"        | 0.7            | 25      | \$45.46 |
| 305NL-A4H4  | 1"         | 1"          | 1.2            | 16      | \$74.90 |

### 1/8" Bend Corporation Stop Couplings

#### Series 306NL

Female Copper Flare x Copper Flare (Swivel)



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 306NL-P4C4  | 1"         | 1"          | 2.1            | 8       | \$75.64  |
| 306NL-P6C6  | 1 1/2"     | 1 1/2"      | 6.2            | 6       | \$342.78 |
| 306NL-P7C7  | 2"         | 2"          | 9.3            | 4       | \$485.18 |

### 1/4" Bend Corporation Stop Couplings



#### Series 307NL

Female Copper Flare x MIP

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 307NL-NY3M3 | 3/4"       | 3/4"        | 0.8            | 50      | \$63.87  |
| 307NL-NY4M4 | 1"         | 1"          | 1.0            | 30      | \$76.42  |
| 307NL-NY6M6 | 1 1/2"     | 1 1/2"      | 2.2            | 6       | \$132.49 |
| 307NL-NY7M7 | 2"         | 2"          | 2.9            | 4       | \$196.14 |

### Square Head Tapping Plug

#### Series 98NL

AWWA Thread



| Part Number | Inlet Size | Wt. Each (lbs) | Box Qty | Price   |
|-------------|------------|----------------|---------|---------|
| 98NL-A1     | 1/2"       | 0.2            | 100     | \$36.30 |
| 98NL-A2     | 5/8"       | 0.3            | 50      | \$36.84 |
| 98NL-A3     | 3/4"       | 0.4            | 50      | \$17.89 |
| 98NL-A4     | 1"         | 0.5            | 50      | \$26.03 |
| 98NL-A6     | 1 1/2"     | 1.2            | 20      | \$58.37 |
| 98NL-A7     | 2"         | 1.6            | 10      | \$75.66 |

- Insert stiffeners are required for all connections using plastic flexible pipe see page 55
- For corporation stops less nut add LN to the end of the part number

Pricing in U.S. funds.

## Accessories

For use with corporation stops, both ball and plug style to suit applications, adaptors are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.

### Series 84

Inserts for IPS Size Plastic  
Pipe SDR-17



| Part Number | Pipe Size | Wt. Each (lbs) | Box Qty | Price  |
|-------------|-----------|----------------|---------|--------|
| 84-5        | 1 1/4"    | 0.07           | 25      | \$7.73 |
| 84-6        | 1 1/2"    | 0.11           | 25      | \$8.41 |
| 84-7        | 2"        | 0.12           | 25      | \$9.27 |

### Series 88

Inserts for IPS Size Plastic  
Pipe SDR-9



| Part Number | Pipe Size | Wt. Each (lbs) | Box Qty | Price  |
|-------------|-----------|----------------|---------|--------|
| 88-3        | 3/4"      | 0.03           | 50      | \$3.32 |
| 88-4        | 1"        | 0.04           | 50      | \$3.51 |
| 88-5        | 1 1/4"    | 0.07           | 25      | \$7.05 |
| 88-6        | 1 1/2"    | 0.11           | 25      | \$7.55 |
| 88-7        | 2"        | 0.12           | 25      | \$8.55 |

### Series 86

Inserts for CTS Size Plastic  
Pipe SDR-9



| Part Number | Pipe Size | Wt. Each (lbs) | Box Qty | Price  |
|-------------|-----------|----------------|---------|--------|
| 86-3        | 3/4"      | 0.03           | 50      | \$3.32 |
| 86-4        | 1"        | 0.04           | 50      | \$3.51 |
| 86-5        | 1 1/4"    | 0.07           | 25      | \$4.32 |
| 86-6        | 1 1/2"    | 0.11           | 25      | \$4.83 |
| 86-7        | 2"        | 0.12           | 25      | \$4.83 |

### Series 89

Inserts for IPS Size Plastic  
Pipe SDR-11



| Part Number | Pipe Size | Wt. Each (lbs) | Box Qty | Price  |
|-------------|-----------|----------------|---------|--------|
| 89-5        | 1 1/4"    | 0.07           | 25      | \$7.05 |
| 89-6        | 1 1/2"    | 0.11           | 25      | \$7.55 |
| 89-7        | 2"        | 0.12           | 25      | \$8.55 |

### Series 87

Inserts for PEP Size Plastic Pipe  
SIDR7 Only



| Part Number | Pipe Size | Wt. Each (lbs) | Box Qty | Price  |
|-------------|-----------|----------------|---------|--------|
| 87-3        | 3/4"      | 0.03           | 50      | \$3.74 |
| 87-4        | 1"        | 0.04           | 25      | \$4.32 |
| 87-5        | 1 1/4"    | 0.07           | 25      | \$6.41 |
| 87-6        | 1 1/2"    | 0.11           | 25      | \$7.05 |
| 87-7        | 2"        | 0.12           | 25      | \$7.72 |

Pricing in U.S. funds.

• Insert stiffeners are required for all connections using plastic flexible pipe



# CAMBRIDGE BRASS<sup>TM</sup> INC



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## Saddles & Repair Clamps

2025



## Saddles & Repair Clamps - Part Number Format

Hinged Service Saddles are designed to give a positive water-tight seal with full support to the PVC pipe, without cracking or distorting the pipe. The pressure capabilities equal, but do not exceed the working pressure rating of the PVC pipe up to 200 PSIG. Installation instructions are provided with saddle. Please read and follow all instructions to ensure long lasting performance.

### Part Number Format

**Example: Double Strap Saddle for 7.50 O.D. Pipe with AWWA 2" Tap = 810 - 0750 - A 7**

| Series Number   | Tap Style                                  | Tap Size   |
|---|--|------------|
| 46-2 & 46-2A = Belleville Washer Kit                          |  |            |
| 83NL = Brass Bushings   | M = Male Iron Pipe (for bushings only)     | 3 = 3/4"   |
| 800 = Hinged Saddles for C900 & IPS                           | A = AWWA                                   | 4 = 1"     |
| 805 = Hinged Saddles for C900 & IPS                           | F = Female Iron Pipe                       | 6 = 1 1/2" |
| 810 = Double Strap Brass Saddle                               | PF = Push Fit (830 only)                   | 7 = 2"     |
| 811 = Brass Saddle with Wide SS Strap                         |  |            |
| 812 = Single Strap Saddle with Double SS Strap                |  |            |
| 820 = Single Strap Brass Saddle                               |  |            |
| 822 = Single Strap Saddle with SS Strap                       |  |            |
| 831 = Ferrule Strap Saddle with Stainless-Steel Strap         |  |            |
| 8403 = Stainless-Steel Saddle                                 |  |            |
| 8413NL = Teck® Stainless-Steel Saddle with Integral Corp Stop | H3 - CB Compression<br>H4 - CB Compression |            |
| 425/435 = Stainless-Steel Repair Clamp                        |  |            |
| 825/835 = 2 pc Stainless-Steel Repair Clamp                   |  |            |
| 8803 = 2 Piece Stainless-Steel Saddle                         |  |            |
| 8600 = Stainless-Steel Termination Sleeve                     |  |            |
| 1625/1635 = 4 pc Stainless-Steel Repair Clamp                 |  |            |

Pricing in U.S. funds.

## Brass Hinged Saddles - C900 Size Saddles

Hinged Service Saddles are designed to give a positive water-tight seal with full support to the PVC pipe, without cracking or distorting the pipe. The pressure capabilities equal, but do not exceed the working pressure rating of the PVC pipe up to 200 PSIG. Installation instructions are provided with saddle. Please read and follow all instructions to ensure long lasting performance.

### Materials

Top and Bottom  
85-5-5-5 cast per ASTM B62

### Silicon Bronze Bolts

- 1/2" Slotted Hex Head
- One bolt for all 3/4" and 1" taps
- Two bolts for all 1 1/2" and 2" taps

### Silicon Bronze Hinge Pin

- 0.25" diameter - Standard for all sizes

### Options

- Contact factory for 1 1/4" tapped saddles
- Contact factory for BSPT (British Standard Pipe Taper) tapped saddles

### Notes

- Order saddles by model number, nominal pipe size and tap size
- All saddles have cast Pipe O.D. range identification and meet A.W.W.A. standards
- Use on cold water services only



800 Series with TITAN™  
Hinged 4" to 8"



Scan to find out more  
about the TITAN™



805 Series  
Two Bolt Sizes 10" to 12"

| Size                                 | Part Number<br>AWWA Tap | Part Number<br>FIP Tap | O.D.<br>Range | Tap Size | Weight<br>Each | Price    |
|--------------------------------------|-------------------------|------------------------|---------------|----------|----------------|----------|
| 4"                                   | 800-0480-A3             | 800-0480-F3            | 4.80"         | 3/4"     | 3.4            | \$78.21  |
| 4"                                   | 800-0480-A4             | 800-0480-F4            | 4.80"         | 1"       | 3.4            | \$78.21  |
| 4"                                   | 800-0480-A6             | 800-0480-F6            | 4.80"         | 1 1/2"   | 7.3            | \$195.74 |
| 4"                                   | 800-0480-A7             | 800-0480-F7            | 4.80"         | 2"       | 6.7            | \$195.74 |
| 6"                                   | 800-0690-A1             | 800-0690-F1            | 6.90"         | 1/2"     | 4.1            | \$106.88 |
| 6"                                   | 800-0690-A3             | 800-0690-F3            | 6.90"         | 3/4"     | 4.2            | \$106.88 |
| 6"                                   | 800-0690-A4             | 800-0690-F4            | 6.90"         | 1"       | 4.2            | \$106.88 |
| 6"                                   | 800-0690-A6             | 800-0690-F6            | 6.90"         | 1 1/2"   | 7.8            | \$201.67 |
| 6"                                   | 800-0690-A7             | 800-0690-F7            | 6.90"         | 2"       | 7.2            | \$201.67 |
| 8"                                   | 800-0905-A3             | 800-0905-F3            | 9.05"         | 3/4"     | 5.3            | \$149.61 |
| 8"                                   | 800-0905-A4             | 800-0905-F4            | 9.05"         | 1"       | 5.1            | \$149.61 |
| 8"                                   | 800-0905-A6             | 800-0905-F6            | 9.05"         | 1 1/2"   | 9.7            | \$230.28 |
| 8"                                   | 800-0905-A7             | 800-0905-F7            | 9.05"         | 2"       | 9.1            | \$230.28 |
| <b>805 Series for sizes over 10"</b> |                         |                        |               |          |                |          |
| 10"                                  | 805-1110-A3             | 805-1110-F3            | 11.10"        | 3/4"     | 9.3            | \$419.85 |
| 10"                                  | 805-1110-A4             | 805-1110-F4            | 11.10"        | 1"       | 9.2            | \$419.85 |
| 10"                                  | 805-1110-A6             | 805-1110-F6            | 11.10"        | 1 1/2"   | 14.7           | \$419.85 |
| 10"                                  | 805-1110-A7             | 805-1110-F7            | 11.10"        | 2"       | 14.1           | \$419.85 |
| 12"                                  | 805-1320-A3             | 805-1320-F3            | 13.20"        | 3/4"     | 10.1           | \$452.30 |
| 12"                                  | 805-1320-A4             | 805-1320-F4            | 13.20"        | 1"       | 10.0           | \$452.30 |
| 12"                                  | 805-1320-A6             | 805-1320-F6            | 13.20"        | 1 1/2"   | 16.9           | \$452.30 |
| 12"                                  | 805-1320-A7             | 805-1320-F7            | 13.20"        | 2"       | 16.3           | \$452.30 |

- All Saddles should be tested before bury
- Tighten to specified torque. Do not overtighten
- See installation instructions on page 20

Pricing in U.S. funds.

## Brass Hinged Saddles - IPS Size Saddles

Hinged Service Saddles are designed to give a positive water-tight seal with full support to the PVC pipe, without cracking or distorting the pipe. The pressure capabilities equal, but do not exceed the working pressure rating of the PVC pipe up to 200 PSIG. Installation instructions are provided with saddle. Please read and follow all instructions to ensure long lasting performance.

### Materials

Top and Bottom  
85-5-5-5 cast per ASTM B62

Silicon Bronze Bolts

- 1/2" Slotted Hex Head
- One bolt for all 3/4" and 1" taps
- Two bolts for all 1 1/2" and 2" taps

Silicon Bronze Hinge Pin

- 0.25" diameter - Standard for all sizes

### Options

- Contact factory for 1 1/4" tapped saddles
- Contact factory for BSPT (British Standard Pipe Taper) tapped saddles

### Notes

- Order saddles by model number, nominal pipe size and tap size
- All saddles have cast Pipe O.D. range identification and meet A.W.W.A. standards
- Use on cold water services only



800 Series with TITAN™  
Hinged 4" to 8"



Scan to find out more  
about the TITAN™



805 Series  
Two Bolt Sizes 10" to 12"

| Size   | Part Number<br>AWWA Tap | Part Number<br>FIP Tap | O.D.<br>Range | Tap Size | Weight<br>Each | Price    |
|--------|-------------------------|------------------------|---------------|----------|----------------|----------|
| 2"     | 800-0238-A3             | 800-0238-F3            | 2.38"         | 3/4"     | 1.7            | \$46.06  |
| 2"     | 800-0238-A4             | 800-0238-F4            | 2.38"         | 1"       | 1.6            | \$46.06  |
| 2 1/2" | 800-0288-A3             | 800-0288-F3            | 2.88"         | 3/4"     | 1.8            | \$57.69  |
| 2 1/2" | 800-0288-A4             | 800-0288-F4            | 2.88"         | 1"       | 1.8            | \$57.69  |
| 3"     | 800-0350-A3             | 800-0350-F3            | 3.50"         | 3/4"     | 2.0            | \$60.89  |
| 3"     | 800-0350-A4             | 800-0350-F4            | 3.50"         | 1"       | 1.9            | \$60.89  |
| 4"     | 800-0450-A3             | 800-0450-F3            | 4.50"         | 3/4"     | 3.4            | \$71.66  |
| 4"     | 800-0450-A4             | 800-0450-F4            | 4.50"         | 1"       | 3.2            | \$71.66  |
| 4"     | 800-0450-A6             | 800-0450-F6            | 4.50"         | 1 1/2"   | 6.9            | \$154.26 |
| 4"     | 800-0450-A7             | 800-0450-F7            | 4.50"         | 2"       | 6.3            | \$154.26 |
| 6"     | 800-0663-A1             | 800-0663-F1            | 6.63"         | 1/2"     | 4.0            | \$106.88 |
| 6"     | 800-0663-A3             | 800-0663-F3            | 6.63"         | 3/4"     | 4.1            | \$106.88 |
| 6"     | 800-0663-A4             | 800-0663-F4            | 6.63"         | 1"       | 4.2            | \$106.88 |
| 6"     | 800-0663-A6             | 800-0663-F6            | 6.63"         | 1 1/2"   | 7.6            | \$201.67 |
| 6"     | 800-0663-A7             | 800-0663-F7            | 6.63"         | 2"       | 7.0            | \$201.67 |
| 8"     | 800-0863-A3             | 800-0863-F3            | 8.63"         | 3/4"     | 5.0            | \$146.86 |
| 8"     | 800-0863-A4             | 800-0863-F4            | 8.63"         | 1"       | 5.0            | \$146.86 |
| 8"     | 800-0863-A6             | 800-0863-F6            | 8.63"         | 1 1/2"   | 9.6            | \$207.97 |
| 8"     | 800-0863-A7             | 800-0863-F7            | 8.63"         | 2"       | 9.0            | \$207.97 |

### 805 Series for sizes over 10"

|     |             |             |        |        |      |          |
|-----|-------------|-------------|--------|--------|------|----------|
| 10" | 805-1075-A3 | 805-1075-F3 | 10.75" | 3/4"   | 9.6  | \$294.28 |
| 10" | 805-1075-A4 | 805-1075-F4 | 10.75" | 1"     | 9.5  | \$294.28 |
| 10" | 805-1075-A6 | 805-1075-F6 | 10.75" | 1 1/2" | 15.4 | \$419.74 |
| 10" | 805-1075-A7 | 805-1075-F7 | 10.75" | 2"     | 14.8 | \$419.74 |
| 12" | 805-1275-A3 | 805-1275-F3 | 12.75" | 3/4"   | 10.7 | \$391.57 |
| 12" | 805-1275-A4 | 805-1275-F4 | 12.75" | 1"     | 10.6 | \$391.57 |
| 12" | 805-1275-A6 | 805-1275-F6 | 12.75" | 1 1/2" | 16.2 | \$452.30 |
| 12" | 805-1275-A7 | 805-1275-F7 | 12.75" | 2"     | 15.6 | \$452.30 |

Pricing in U.S. funds.

- All Saddles should be tested before bury
- Tighten to specified torque. Do not overtighten
- See installation instructions on page 20



## Double Strap Brass Saddles

### Bronze Double Strap Saddles with Brass Top for Cast Iron , Ductile, AC Pipe

Cambridge Brass Double Band Service Saddles are designed for use on service line connections to ductile iron, asbestos-cement or cast iron O.D. pipe water mains. The pressure capabilities equal, but do not exceed, the working pressure rating of the pipe, up to 200 PSIG. For Ductile Iron Pipe. Installation instructions are provided with each saddle. Please read and follow instructions to ensure long lasting performance.

#### Materials

**Body** - 85-5-5-5 cast brass per ASTM B62

**Band** - Silicon Bronze ASTM B98 C65100

**Nuts with enlarged washer bearing surface**

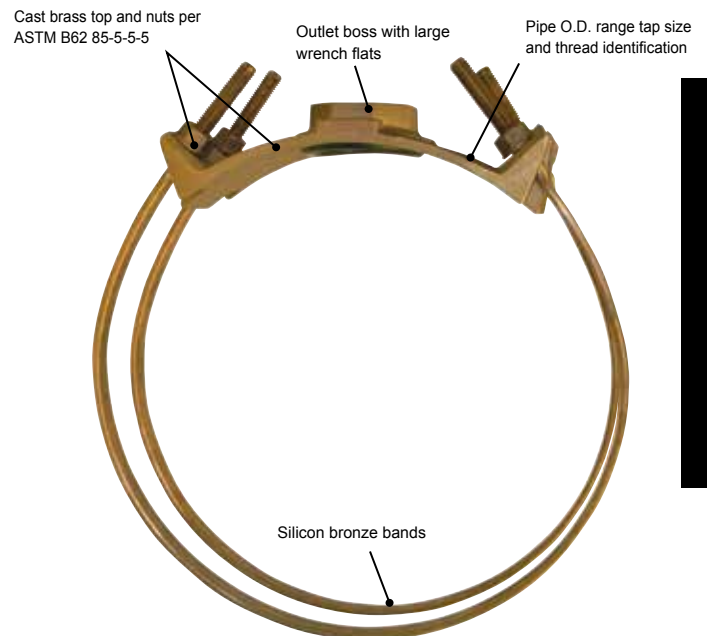
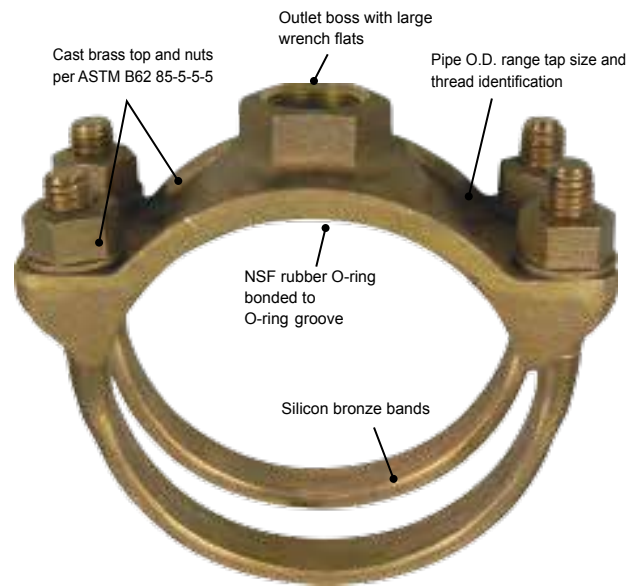
Stainless-Steel with PTFE coating

#### Notes

- Order Saddles by Model Number, Nominal Pipe Size and Tap Size
- All Saddles have Pipe O.D. size identification
- All Cambridge Brass Service Saddles meet A.W.W.A. standards
- Use on cold water services only

#### Options

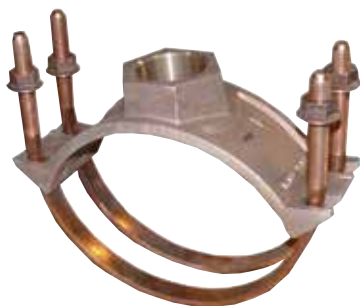
- Contact factory for 1 1/4" tapped saddles
- Contact factory for availability BSPT (British Standard Pipe Taper Thread) tapped saddles
- Additional cost and lead time will apply for non-stocked options and are non-returnable



- All Saddles should be tested before bury
- Tighten to specified torque. Do not overtighten
- See installation instructions on page 21

Pricing in U.S. funds.

## Double Strap Brass Saddles



| Size | Part Number<br>AWWA Tap | Part Number<br>FIP Tap | O.D.<br>Range | Tap Size | Weight<br>Each | List<br>Price |
|------|-------------------------|------------------------|---------------|----------|----------------|---------------|
| 4"   | 810-0480-A3             | 810-0480-F3            | 4.50"-4.80"   | 3/4"     | 6.0            | \$204.35      |
| 4"   | 810-0480-A4             | 810-0480-F4            | 4.50"-4.80"   | 1"       | 6.0            | \$204.35      |
| 4"   | 810-0480-A6             | 810-0480-F6            | 4.50"-4.80"   | 1 1/2"   | 7.2            | \$238.33      |
| 4"   | 810-0480-A7             | 810-0480-F7            | 4.50"-4.80"   | 2"       | 7.4            | \$259.42      |
| 4"   | 810-0540-A3             | 810-0540-F3            | 4.80"-5.40"   | 3/4"     | 6.0            | \$204.35      |
| 4"   | 810-0540-A4             | 810-0540-F4            | 4.80"-5.40"   | 1"       | 6.0            | \$204.35      |
| 4"   | 810-0540-A6             | 810-0540-F6            | 4.80"-5.40"   | 1 1/2"   | 7.2            | \$238.33      |
| 4"   | 810-0540-A7             | 810-0540-F7            | 4.80"-5.40"   | 2"       | 7.4            | \$259.42      |
| 6"   | 810-0750-A3             | 810-0750-F3            | 6.62"-7.50"   | 3/4"     | 7.4            | \$240.70      |
| 6"   | 810-0750-A4             | 810-0750-F4            | 6.62"-7.50"   | 1"       | 7.4            | \$240.70      |
| 6"   | 810-0750-A6             | 810-0750-F6            | 6.62"-7.50"   | 1 1/2"   | 8.6            | \$275.21      |
| 6"   | 810-0750-A7             | 810-0750-F7            | 6.62"-7.50"   | 2"       | 8.8            | \$302.36      |
| 8"   | 810-0962-A3             | 810-0962-F3            | 8.62"-9.62"   | 3/4"     | 9.0            | \$297.86      |
| 8"   | 810-0962-A4             | 810-0962-F4            | 8.62"-9.62"   | 1"       | 9.0            | \$297.86      |
| 8"   | 810-0962-A6             | 810-0962-F6            | 8.62"-9.62"   | 1 1/2"   | 10.0           | \$313.61      |
| 8"   | 810-0962-A7             | 810-0962-F7            | 8.62"-9.62"   | 2"       | 10.3           | \$341.44      |
| 10"  | 810-1212-A3             | 810-1212-F3            | 10.75"-12.12" | 3/4"     | 10.6           | \$369.07      |
| 10"  | 810-1212-A4             | 810-1212-F4            | 10.75"-12.12" | 1"       | 11.0           | \$369.07      |
| 10"  | 810-1212-A6             | 810-1212-F6            | 10.75"-12.12" | 1 1/2"   | 11.7           | \$405.31      |
| 10"  | 810-1212-A7             | 810-1212-F7            | 10.75"-12.12" | 2"       | 11.7           | \$435.30      |
| 12"  | 810-1438-A3             | 810-1438-F3            | 12.75"-14.38" | 3/4"     | 12.3           | \$431.91      |
| 12"  | 810-1438-A4             | 810-1438-F4            | 12.75"-14.38" | 1"       | 12.3           | \$431.91      |
| 12"  | 810-1438-A6             | 810-1438-F6            | 12.75"-14.38" | 1 1/2"   | 13.7           | \$487.14      |
| 12"  | 810-1438-A7             | 810-1438-F7            | 12.75"-14.38" | 2"       | 13.7           | \$495.94      |

Pricing in U.S. funds.

- All Saddles should be tested before bury
- Tighten to specified torque. Do not overtighten
- See installation instructions on page 21

## Service Saddles with Wide Stainless-Steel Strap

### Wide Stainless-Steel Band Saddles with Brass Top for Cast Iron O.D. PVC Pipe (AWWA C900)

Cambridge Brass Service Saddles with Wide Stainless-Steel Band are designed for use on service line connections to cast iron O.D. PVC pipe AWWA C-905 water mains. The pressure capabilities equal, but do not exceed, the working pressure rating of the pipe, up to 200 PSIG. For C900 PVC Pipe. Can also be used on AC, Cast Iron or Ductile Iron Pipe. Installation instructions are provided with each saddle. Please read and follow instructions to ensure long lasting performance.

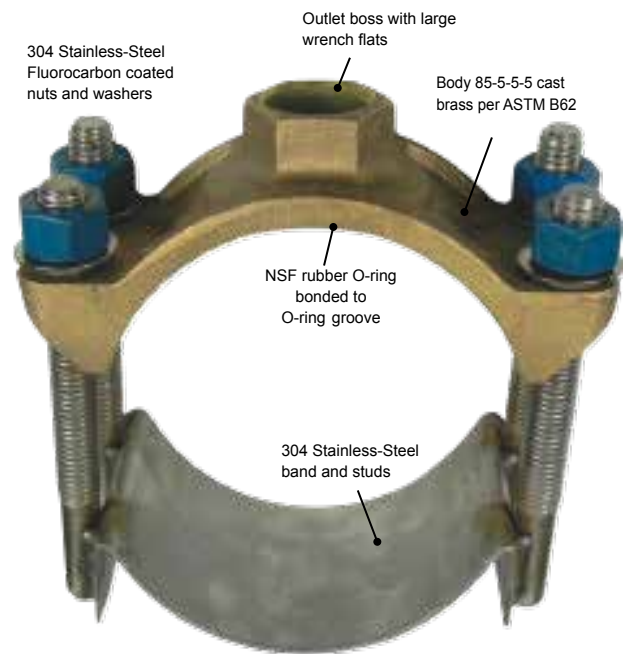
#### Materials

**Body** - 85-5-5-5 cast brass per ASTM 62

**Band and Studs** - 304 Stainless-Steel

**Nuts and Washers** - 304 Stainless-Steel

Nuts are supplied with Fluorocarbon coating

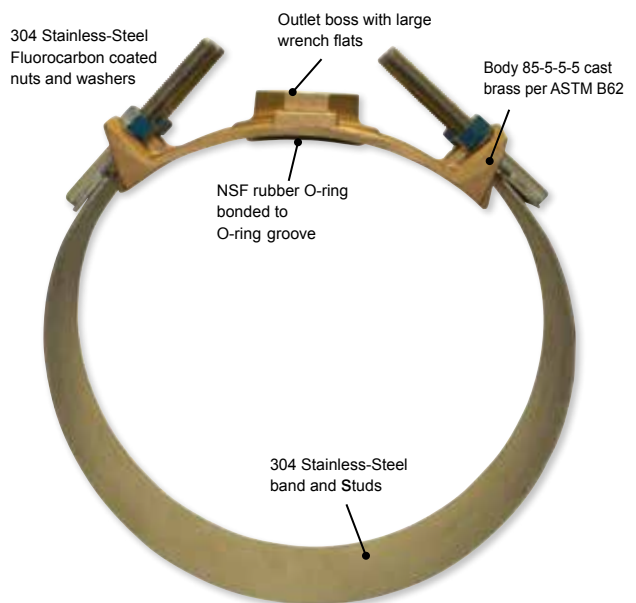


#### Notes

- Order Saddles by Model Number, Nominal Pipe Size and Tap Size
- All Saddles have Pipe O.D. range identification.
- All Cambridge Brass Service Saddles meet A.W.W.A. standards
- Use on cold water services only

#### Options

- Contact factory for 1 1/4" tapped saddles.
- Contact factory for availability BSPT (British Standard Pipe Taper Thread) tapped saddles
- HDPE requires a Belleville washer kit add BW to end of part number

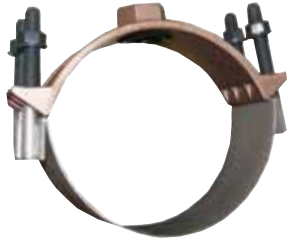


- All Saddles should be tested before bury
- Tighten to specified torque. Do not overtighten
- See installation instructions on page 20
- HDPE requires a Belleville washer kit add BW to end of part number. See page 71 for pricing

Pricing in U.S. funds.

# Saddles & Repair Clamps

## Brass Saddles with Wide Stainless-Steel Strap

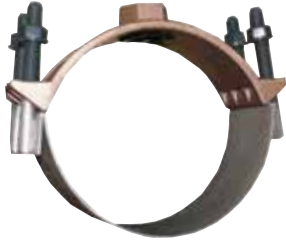


| Size | Part Number<br>AWWA Tap | Part Number<br>FIP Tap | O.D.<br>Range   | Tap Size | Weight<br>Each | List<br>Price |
|------|-------------------------|------------------------|-----------------|----------|----------------|---------------|
| 4"   | 811-0480-A3             | 811-0480-F3            | 4.50"-4.80"     | 3/4"     | 6.2            | \$236.64      |
| 4"   | 811-0480-A4             | 811-0480-F4            | 4.50"-4.80"     | 1"       | 6.2            | \$236.64      |
| 4"   | 811-0480-A6             | 811-0480-F6            | 4.50"-4.80"     | 1 1/2"   | 7.4            | \$275.97      |
| 4"   | 811-0480-A7             | 811-0480-F7            | 4.50"-4.80"     | 2"       | 7.4            | \$285.39      |
| 4"   | 811-0540-A3             | 811-0540-F3            | 4.80"-5.40"     | 3/4"     | 6.2            | \$236.64      |
| 4"   | 811-0540-A4             | 811-0540-F4            | 4.80"-5.40"     | 1"       | 6.2            | \$236.64      |
| 4"   | 811-0540-A6             | 811-0540-F6            | 4.80"-5.40"     | 1 1/2"   | 7.4            | \$275.97      |
| 4"   | 811-0540-A7             | 811-0540-F7            | 4.80"-5.40"     | 2"       | 7.4            | \$285.39      |
| 6"   | 811-0750-A3             | 811-0750-F3            | 6.62"-7.50"     | 3/4"     | 7.2            | \$278.67      |
| 6"   | 811-0750-A4             | 811-0750-F4            | 6.62"-7.50"     | 1"       | 7.2            | \$278.67      |
| 6"   | 811-0750-A6             | 811-0750-F6            | 6.62"-7.50"     | 1 1/2"   | 8.2            | \$318.62      |
| 6"   | 811-0750-A7             | 811-0750-F7            | 6.62"-7.50"     | 2"       | 8.4            | \$332.59      |
| 8"   | 811-0962-A3             | 811-0962-F3            | 8.62"-9.62"     | 3/4"     | 8.2            | \$344.98      |
| 8"   | 811-0962-A4             | 811-0962-F4            | 8.62"-9.62"     | 1"       | 8.2            | \$344.98      |
| 8"   | 811-0962-A6             | 811-0962-F6            | 8.62"-9.62"     | 1 1/2"   | 9.3            | \$363.09      |
| 8"   | 811-0962-A7             | 811-0962-F7            | 8.62"-9.62"     | 2"       | 9.3            | \$375.53      |
| 10"  | 811-1212-A3             | 811-1212-F3            | 10.75"-12.12"   | 3/4"     | 9.3            | \$427.32      |
| 10"  | 811-1212-A4             | 811-1212-F4            | 10.75"-12.12"   | 1"       | 9.3            | \$427.32      |
| 10"  | 811-1212-A6             | 811-1212-F6            | 10.75"-12.12"   | 1 1/2"   | 11.0           | \$469.32      |
| 10"  | 811-1212-A7             | 811-1212-F7            | 10.75"-12.12"   | 2"       | 11.0           | \$478.77      |
| 12"  | 811-1438-A3             | 811-1438-F3            | 12.75"-14.38"   | 3/4"     | 10.7           | \$475.15      |
| 12"  | 811-1438-A4             | 811-1438-F4            | 12.75"-14.38"   | 1"       | 10.7           | \$475.15      |
| 12"  | 811-1438-A6             | 811-1438-F6            | 12.75"-14.38"   | 1 1/2"   | 12.0           | \$535.84      |
| 12"  | 811-1438-A7             | 811-1438-F7            | 12.75"-14.38"   | 2"       | 12.0           | \$545.65      |
| 14"  | 811-1625-A3             | 811-1625-F3            | 15.30" - 16.25" | 3/4"     | 21.1           | \$1,034.07    |
| 14"  | 811-1625-A4             | 811-1625-F4            | 15.30" - 16.25" | 1"       | 21.1           | \$1,034.07    |
| 14"  | 811-1625-A6             | 811-1625-F6            | 15.30" - 16.25" | 1 1/2"   | 20.7           | \$1,112.32    |
| 14"  | 811-1625-A7             | 811-1625-F7            | 15.30" - 16.25" | 2"       | 22.0           | \$1,158.00    |
| 14"  | 811-1725-A3             | 811-1725-F3            | 16.30" - 17.25" | 3/4"     | 22.0           | \$1,180.96    |
| 14"  | 811-1725-A4             | 811-1725-F4            | 16.30" - 17.25" | 1"       | 22.0           | \$1,180.96    |
| 14"  | 811-1725-A6             | 811-1725-F6            | 16.30" - 17.25" | 1 1/2"   | 22.0           | \$1,268.64    |
| 14"  | 811-1725-A7             | 811-1725-F7            | 16.30" - 17.25" | 2"       | 22.0           | \$1,416.89    |
| 16"  | 811-1840-A3             | 811-1840-F3            | 17.40" - 18.40" | 3/4"     | 20.4           | \$1,250.36    |
| 16"  | 811-1840-A4             | 811-1840-F4            | 17.40" - 18.40" | 1"       | 19.8           | \$1,250.36    |
| 16"  | 811-1840-A6             | 811-1840-F6            | 17.40" - 18.40" | 1 1/2"   | 19.5           | \$1,326.75    |
| 16"  | 811-1840-A7             | 811-1840-F7            | 17.40" - 18.40" | 2"       | 21.5           | \$1,466.24    |

Pricing in U.S. funds.

All Saddles should be tested before bury  
 • Tighten to specified torque. Do not overtighten  
 • See installation instructions on page 20  
 • HDPE requires a Belleville washer kit add BW to end of part number. See page 71 for pricing

## Brass Saddles with Wide Stainless-Steel Strap



| Size | Part Number<br>AWWA Tap | Part Number<br>FIP Tap | O.D.<br>Range   | Tap Size | Weight<br>Each | List<br>Price |
|------|-------------------------|------------------------|-----------------|----------|----------------|---------------|
| 16"  | 811-1925-A3             | 811-1925-F3            | 18.50" - 19.25" | 3/4"     | 22.0           | \$1,250.36    |
| 16"  | 811-1925-A4             | 811-1925-F4            | 18.50" - 19.25" | 1"       | 22.0           | \$1,250.36    |
| 16"  | 811-1925-A6             | 811-1925-F6            | 18.50" - 19.25" | 1 1/2"   | 22.0           | \$1,326.75    |
| 16"  | 811-1925-A7             | 811-1925-F7            | 18.50" - 19.25" | 2"       | 22.0           | \$1,466.24    |
| 18"  | 811-2050-A3             | 811-2050-F3            | 19.50" - 20.50" | 3/4"     | 22.5           | \$1,472.71    |
| 18"  | 811-2050-A4             | 811-2050-F4            | 19.50" - 20.50" | 1"       | 22.5           | \$1,472.71    |
| 18"  | 811-2050-A6             | 811-2050-F6            | 19.50" - 20.50" | 1 1/2"   | 22.5           | \$1,472.71    |
| 18"  | 811-2050-A7             | 811-2050-F7            | 19.50" - 20.50" | 2"       | 22.5           | \$1,472.71    |
| 20"  | 811-2220-A3             | 811-2220-F3            | 21.20" - 22.20" | 3/4"     | 22.6           | \$1,515.50    |
| 20"  | 811-2220-A4             | 811-2220-F4            | 21.20" - 22.20" | 1"       | 23.0           | \$1,515.50    |
| 20"  | 811-2220-A6             | 811-2220-F6            | 21.20" - 22.20" | 1 1/2"   | 23.0           | \$1,515.50    |
| 20"  | 811-2220-A7             | 811-2220-F7            | 21.20" - 22.20" | 2"       | 23.0           | \$1,515.50    |
| 20"  | 811-2350-A3             | 811-2350-F3            | 22.50" - 23.50" | 3/4"     | 24.0           | \$1,560.81    |
| 20"  | 811-2350-A4             | 811-2350-F4            | 22.50" - 23.50" | 1"       | 24.0           | \$1,560.81    |
| 20"  | 811-2350-A6             | 811-2350-F6            | 22.50" - 23.50" | 1 1/2"   | 24.0           | \$1,560.81    |
| 20"  | 811-2350-A7             | 811-2350-F7            | 22.50" - 23.50" | 2"       | 24.0           | \$1,560.81    |
| 24"  | 811-2480-A3             | 811-2480-F3            | 23.80" - 24.80" | 3/4"     | 24.5           | \$1,625.93    |
| 24"  | 811-2480-A4             | 811-2480-F4            | 23.80" - 24.80" | 1"       | 26.0           | \$1,625.93    |
| 24"  | 811-2480-A6             | 811-2480-F6            | 23.80" - 24.80" | 1 1/2"   | 25.0           | \$1,625.93    |
| 24"  | 811-2480-A7             | 811-2480-F7            | 23.80" - 24.80" | 2"       | 25.0           | \$1,625.93    |
| 24"  | 811-2650-A3             | 811-2650-F3            | 25.60" - 26.50" | 3/4"     | 25.0           | \$1,665.10    |
| 24"  | 811-2650-A4             | 811-2650-F4            | 25.60" - 26.50" | 1"       | 25.0           | \$1,665.10    |
| 24"  | 811-2650-A6             | 811-2650-F6            | 25.60" - 26.50" | 1 1/2"   | 25.0           | \$1,665.10    |
| 24"  | 811-2650-A7             | 811-2650-F7            | 25.60" - 26.50" | 2"       | 25.0           | \$1,665.10    |
| 30"  | 811-3274-A3             | 811-3274-F3            | 31.74" - 32.74" | 3/4"     | 30.0           | \$1,748.62    |
| 30"  | 811-3274-A4             | 811-3274-F4            | 31.74" - 32.74" | 1"       | 30.0           | \$1,748.62    |
| 30"  | 811-3274-A6             | 811-3274-F6            | 31.74" - 32.74" | 1 1/2"   | 30.0           | \$1,748.62    |
| 30"  | 811-3274-A7             | 811-3274-F7            | 31.74" - 32.74" | 2"       | 30.0           | \$1,748.62    |

All Saddles should be tested before bury  
 • Tighten to specified torque. Do not overtighten  
 • See installation instructions on page 20  
 • HDPE requires a Belleville washer kit add BW to end of part number. See page 71 for pricing

Pricing in U.S. funds.

## Brass Saddles with Double Stainless-Steel Strap

### Stainless-Steel Double Band Saddles with Brass Top for Cast Iron O.D. PVC Pipe (AWWA C900)

Cambridge Brass Service Saddles with two Stainless-Steel Bands are designed for use on service line connections to cast iron O.D. PVC pipe AWWA C-900 water mains. The pressure capabilities equal, but do not exceed, the working pressure rating of the pipe, up to 200 PSIG. Can also be used on AC, Cast Iron or Ductile Iron Pipe. Installation instructions are provided with each saddle. Please read and follow instructions to ensure long lasting performance.

#### Materials

**Body** - 85-5-5-5 cast brass per ASTM 62

**Band and Studs** - 304 Stainless-Steel

**Nuts and Washers** - 304 Stainless-Steel

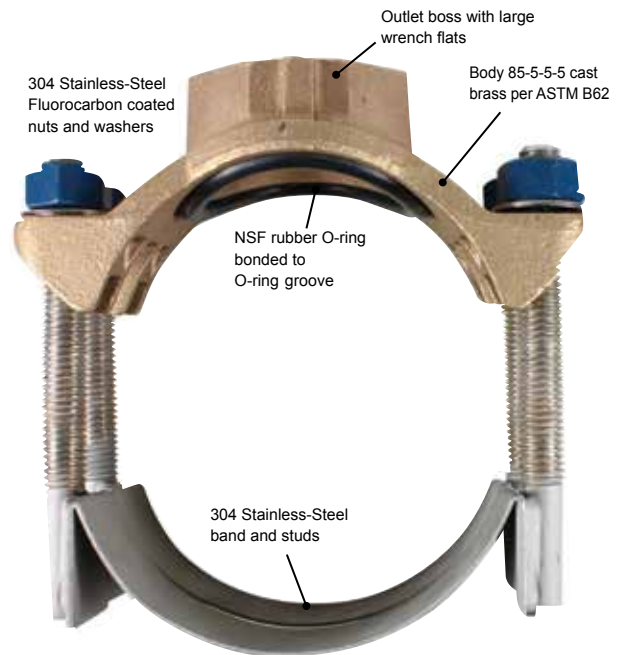
Nuts are supplied with Fluorocarbon coating

#### Notes

- All Saddles have cast Pipe O.D. range identification.
- All Cambridge Brass Service Saddles meet A.W.W.A. standards
- Use on cold water services only
- HDPE requires a Belleville washer kit add BW to end of part number

#### Options

- Contact factory for 1 1/4" tapped saddles
- Contact factory for availability BSPT (British Standard Pipe Taper Thread) tapped saddles

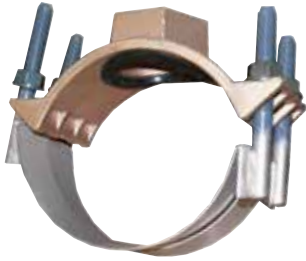


Pricing in U.S. funds.

All Saddles should be tested before bury  
• Tighten to specified torque. Do not overtighten  
• See installation instructions on page 20  
• HDPE requires a Belleville washer kit add BW to end of part number. See page 71 for pricing



## Brass Saddles with Double Stainless-Steel Strap



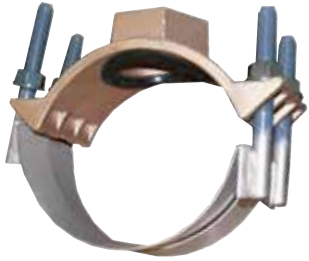
| Size | Part Number<br>AWWA Tap | Part Number<br>FIP Tap | O.D.<br>Range   | Tap Size | Weight<br>Each | List<br>Price |
|------|-------------------------|------------------------|-----------------|----------|----------------|---------------|
| 4"   | 812-0480-A3             | 812-0480-F3            | 4.50"-4.80"     | 3/4"     | 6.8            | \$236.64      |
| 4"   | 812-0480-A4             | 812-0480-F4            | 4.50"-4.80"     | 1"       | 6.8            | \$236.64      |
| 4"   | 812-0480-A6             | 812-0480-F6            | 4.50"-4.80"     | 1 1/2"   | 7.4            | \$275.97      |
| 4"   | 812-0480-A7             | 812-0480-F7            | 4.50"-4.80"     | 2"       | 7.6            | \$285.39      |
| 4"   | 812-0540-A3             | 812-0540-F3            | 4.80"-5.40"     | 3/4"     | 6.8            | \$236.64      |
| 4"   | 812-0540-A4             | 812-0540-F4            | 4.80"-5.40"     | 1"       | 6.8            | \$236.64      |
| 4"   | 812-0540-A6             | 812-0540-F6            | 4.80"-5.40"     | 1 1/2"   | 7.4            | \$275.97      |
| 4"   | 812-0540-A7             | 812-0540-F7            | 4.80"-5.40"     | 2"       | 7.6            | \$285.39      |
| 6"   | 812-0750-A3             | 812-0750-F3            | 6.62"-7.50"     | 3/4"     | 7.2            | \$278.67      |
| 6"   | 812-0750-A4             | 812-0750-F4            | 6.62"-7.50"     | 1"       | 7.2            | \$278.67      |
| 6"   | 812-0750-A6             | 812-0750-F6            | 6.62"-7.50"     | 1 1/2"   | 8.4            | \$318.62      |
| 6"   | 812-0750-A7             | 812-0750-F7            | 6.62"-7.50"     | 2"       | 8.4            | \$332.59      |
| 8"   | 812-0962-A3             | 812-0962-F3            | 8.62"-9.62"     | 3/4"     | 8.4            | \$344.98      |
| 8"   | 812-0962-A4             | 812-0962-F4            | 8.62"-9.62"     | 1"       | 8.4            | \$344.98      |
| 8"   | 812-0962-A6             | 812-0962-F6            | 8.62"-9.62"     | 1 1/2"   | 9.5            | \$363.09      |
| 8"   | 812-0962-A7             | 812-0962-F7            | 8.62"-9.62"     | 2"       | 9.8            | \$375.86      |
| 10"  | 812-1212-A3             | 812-1212-F3            | 10.75"-12.12"   | 3/4"     | 9.7            | \$429.30      |
| 10"  | 812-1212-A4             | 812-1212-F4            | 10.75"-12.12"   | 1"       | 9.7            | \$429.30      |
| 10"  | 812-1212-A6             | 812-1212-F6            | 10.75"-12.12"   | 1 1/2"   | 11.0           | \$469.32      |
| 10"  | 812-1212-A7             | 812-1212-F7            | 10.75"-12.12"   | 2"       | 11.0           | \$478.77      |
| 12"  | 812-1438-A3             | 812-1438-F3            | 12.75"-14.38"   | 3/4"     | 11.0           | \$475.15      |
| 12"  | 812-1438-A4             | 812-1438-F4            | 12.75"-14.38"   | 1"       | 11.0           | \$475.15      |
| 12"  | 812-1438-A6             | 812-1438-F6            | 12.75"-14.38"   | 1 1/2"   | 12.7           | \$535.84      |
| 12"  | 812-1438-A7             | 812-1438-F7            | 12.75"-14.38"   | 2"       | 12.7           | \$545.65      |
| 14"  | 812-1625-A3             | 812-1625-F3            | 15.30" - 16.25" | 3/4"     | 21.1           | \$1,185.09    |
| 14"  | 812-1625-A4             | 812-1625-F4            | 15.30" - 16.25" | 1"       | 21.1           | \$1,185.09    |
| 14"  | 812-1625-A6             | 812-1625-F6            | 15.30" - 16.25" | 1 1/2"   | 20.7           | \$1,274.78    |
| 14"  | 812-1625-A7             | 812-1625-F7            | 15.30" - 16.25" | 2"       | 22.0           | \$1,327.13    |
| 14"  | 812-1725-A3             | 812-1725-F3            | 16.30" - 17.25" | 3/4"     | 22.0           | \$1,322.66    |
| 14"  | 812-1725-A4             | 812-1725-F4            | 15.30"- 16.25"  | 3/4"     | 21.0           | \$1,322.66    |
| 14"  | 812-1725-A6             | 812-1725-F6            | 15.30"- 16.25"  | 1"       | 21.1           | \$1,420.89    |
| 14"  | 812-1725-A7             | 812-1725-F7            | 15.30"- 16.25"  | 1 1/2"   | 20.8           | \$1,586.94    |

All Saddles should be tested before bury  
 • Tighten to specified torque. Do not overtighten  
 • See installation instructions on page 20  
 • HDPE requires a Belleville washer kit add BW to end of part number. See page 71 for pricing

Pricing in U.S. funds.

# Saddles & Repair Clamps

## Brass Saddles with Double Stainless-Steel Strap



| Size | Part Number<br>AWWA Tap | Part Number<br>FIP Tap | O.D.<br>Range  | Tap Size | Weight<br>Each | List<br>Price |
|------|-------------------------|------------------------|----------------|----------|----------------|---------------|
| 16"  | 812-1840-A3             | 812-1840-F3            | 17.40"- 18.40" | 3/4"     | 20.4           | \$1,346.13    |
| 16"  | 812-1840-A4             | 812-1840-F4            | 17.40"- 18.40" | 1"       | 19.8           | \$1,346.13    |
| 16"  | 812-1840-A6             | 812-1840-F6            | 17.40"- 18.40" | 1 1/2"   | 19.5           | \$1,485.97    |
| 16"  | 812-1840-A7             | 812-1840-F7            | 17.40"- 18.40" | 2"       | 21.5           | \$1,642.18    |
| 16"  | 812-1925-A3             | 812-1925-F3            | 18.50"- 19.25" | 3/4"     | 22.0           | \$1,346.13    |
| 16"  | 812-1925-A4             | 812-1925-F4            | 18.50"- 19.25" | 1"       | 22.0           | \$1,346.13    |
| 16"  | 812-1925-A6             | 812-1925-F6            | 18.50"- 19.25" | 1 1/2"   | 22.0           | \$1,485.97    |
| 16"  | 812-1925-A7             | 812-1925-F7            | 18.50"- 19.25" | 2"       | 22.0           | \$1,642.18    |
| 18"  | 812-2050-A3             | 812-2050-F3            | 19.50"- 20.50" | 3/4"     | 22.5           | \$1,649.42    |
| 18"  | 812-2050-A4             | 812-2050-F4            | 19.50"- 20.50" | 1"       | 22.5           | \$1,649.42    |
| 18"  | 812-2050-A6             | 812-2050-F6            | 19.50"- 20.50" | 1 1/2"   | 22.5           | \$1,649.42    |
| 18"  | 812-2050-A7             | 812-2050-F7            | 19.50"- 20.50" | 2"       | 22.5           | \$1,649.42    |
| 20"  | 812-2220-A3             | 812-2220-F3            | 21.20"- 22.20" | 3/4"     | 22.6           | \$1,697.36    |
| 20"  | 812-2220-A4             | 812-2220-F4            | 21.20"- 22.20" | 1"       | 23.0           | \$1,697.36    |
| 20"  | 812-2220-A6             | 812-2220-F6            | 21.20"- 22.20" | 1 1/2"   | 23.0           | \$1,697.36    |
| 20"  | 812-2220-A7             | 812-2220-F7            | 21.20"- 22.20" | 2"       | 23.0           | \$1,697.36    |
| 20"  | 812-2350-A3             | 812-2350-F3            | 22.50"- 23.50" | 3/4"     | 24.0           | \$1,605.81    |
| 20"  | 812-2350-A4             | 812-2350-F4            | 22.50"- 23.50" | 1"       | 24.0           | \$1,605.81    |
| 20"  | 812-2350-A6             | 812-2350-F6            | 22.50"- 23.50" | 1 1/2"   | 24.0           | \$1,605.81    |
| 20"  | 812-2350-A7             | 812-2350-F7            | 22.50"- 23.50" | 2"       | 24.0           | \$1,605.81    |
| 24"  | 812-2480-A3             | 812-2480-F3            | 23.80"- 24.80" | 3/4"     | 24.5           | \$1,821.06    |
| 24"  | 812-2480-A4             | 812-2480-F4            | 23.80"- 24.80" | 1"       | 26.0           | \$1,821.06    |
| 24"  | 812-2480-A6             | 812-2480-F6            | 23.80"- 24.80" | 1 1/2"   | 25.0           | \$1,821.06    |
| 24"  | 812-2480-A7             | 812-2480-F7            | 23.80"- 24.80" | 2"       | 25.0           | \$1,821.06    |
| 24"  | 812-2650-A3             | 812-2650-F3            | 25.60"-26.50"  | 3/4"     | 25.0           | \$1,864.92    |
| 24"  | 812-2650-A4             | 812-2650-F4            | 25.60"-26.50"  | 1"       | 25.0           | \$1,864.92    |
| 24"  | 812-2650-A6             | 812-2650-F6            | 25.60"-26.50"  | 1 1/2"   | 25.0           | \$1,864.92    |
| 24"  | 812-2650-A7             | 812-2650-F7            | 25.60"-26.50"  | 2"       | 25.0           | \$1,864.92    |
| 30"  | 812-3274-A3             | 812-3274-F3            | 31.74"- 32.74" | 3/4"     | 30.0           | \$1,958.45    |
| 30"  | 812-3274-A4             | 812-3274-F4            | 31.74"- 32.74" | 1"       | 30.0           | \$1,958.45    |
| 30"  | 812-3274-A6             | 812-3274-F6            | 31.74"- 32.74" | 1 1/2"   | 30.0           | \$1,958.45    |
| 30"  | 812-3274-A7             | 812-3274-F7            | 31.74"- 32.74" | 2"       | 30.0           | \$1,958.45    |

Pricing in U.S. funds.

All Saddles should be tested before bury  
 • Tighten to specified torque. Do not overtighten  
 • See installation instructions on page 20  
 • HDPE requires a Belleville washer kit add BW to end of part number. See page 71 for pricing

## Single Strap Brass Saddles

### All Brass Two Bolt Saddles for Cast Iron O.D. PVC Pipe (AWWA C900)

Cambridge Brass Service Saddles are designed to give a positive water-tight seal with full support to the PVC pipe, without cracking or distorting the pipe. Order the correct saddles for your use from the charts below. **Not** for use with ductile iron, asbestos-cement, cast iron pipe or copper tube. The pressure capabilities equal, but do not exceed, the working pressure rating of the pipe, up to 200 PSIG. Installation instructions are provided with each saddle. Please read and follow instructions to ensure long lasting performance.

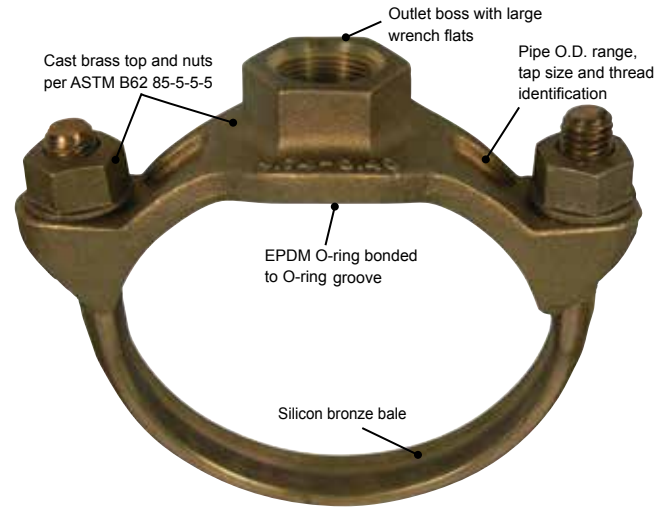
### Materials

#### Top and Bottom

85-5-5-5 cast brass per ASTM B62

#### Silicon Bronze Bolts

- 1/2" Slotted Hex Head  
5/16" - 18 UNC - 2A x 2" long  
fits on 2", 2 1/2", 3", 4", 6" & 8" diameter saddles  
with 3/4" and 1" Taps
- 5/8" Slotted Hex Head  
7/16" - 14 UNC - 2A x 2" long  
fits on 4", 6" & 8" diameter saddles  
with 1 1/2" and 2" Taps
- 3/4" Hex Head  
1/2" - 13 UNC - 2A x 3" long  
fits on 10" & 12" diameter saddles with 1/2" - 2" Taps



### Options

- Contact factory for 1 1/4" tapped saddles
- Contact factory for BSPT (British Standard Taper Thread) tapped saddles

### Notes

- All Saddles have cast Pipe O.D. range identification
- All Cambridge Brass Service Saddles meet A.W.W.A. standards
- Use on cold water services only

| Size | Part Number<br>AWWA Tap | Part Number<br>FIP Tap | O.D.<br>Range | Tap Size | Weight<br>Each | Price    |
|------|-------------------------|------------------------|---------------|----------|----------------|----------|
| 4"   | 820-0480-A1             | 820-0480-F1            | 4.50" - 4.80" | 1/2"     | 6.2            | \$112.61 |
| 4"   | 820-0480-A3             | 820-0480-F3            | 4.50" - 4.80" | 3/4"     | 6.2            | \$112.61 |
| 4"   | 820-0480-A4             | 820-0480-F4            | 4.50" - 4.80" | 1"       | 6.2            | \$112.61 |
| 6"   | 820-0750-A1             | 820-0750-F1            | 6.62" - 7.50" | 1/2"     | 7.2            | \$137.07 |
| 6"   | 820-0750-A3             | 820-0750-F3            | 6.62" - 7.50" | 3/4"     | 7.2            | \$137.07 |
| 6"   | 820-0750-A4             | 820-0750-F4            | 6.62" - 7.50" | 1"       | 7.2            | \$137.07 |
| 8"   | 820-0962-A1             | 820-0962-F1            | 8.62" - 9.62" | 1/2"     | 8.2            | \$174.67 |
| 8"   | 820-0962-A3             | 820-0962-F3            | 8.62" - 9.62" | 3/4"     | 8.2            | \$174.67 |
| 8"   | 820-0962-A4             | 820-0962-F4            | 8.62" - 9.62" | 1"       | 8.2            | \$174.67 |

- All Saddles should be tested before bury
- Tighten to specified torque. Do not overtighten
- See installation instructions on page 20

Pricing in U.S. funds.

## Single Strap Brass Saddles Stainless-Steel Strap

### Stainless-Steel Single Band Saddles with Brass Top for Cast Iron O.D. PVC Pipe (AWWA C900)

Cambridge Brass Service Saddles with Stainless-Steel Band are designed for use on service line connections to cast iron O.D. PVC pipe AWWA C-900 water mains. The pressure capabilities equal, but do not exceed, the working pressure rating of the pipe, up to 200 PSIG. Can also be used on AC, Cast Iron or Ductile Iron Pipe. Installation instructions are provided with each saddle. Please read and follow instructions to ensure long lasting performance.

#### Materials

**Body** - 85-5-5-5 cast brass per ASTM B62

**Band and Studs** - 304 Stainless-Steel

**Nuts and Washers** - 304 Stainless-Steel

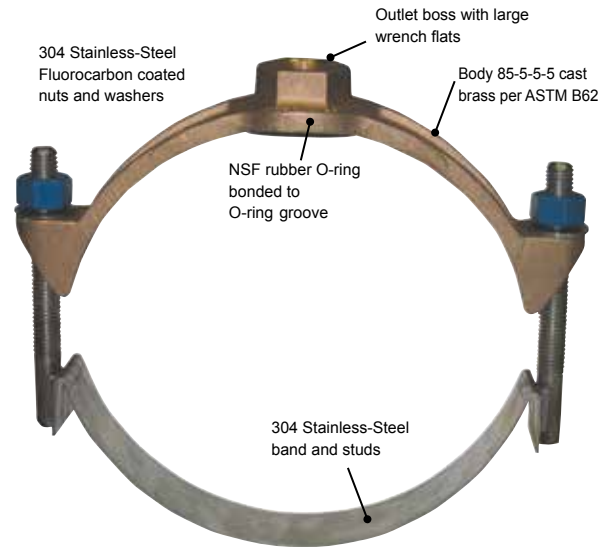
Nuts are supplied with Fluorocarbon coating

#### Notes

- All Saddles have cast Pipe O.D. range identification
- All Cambridge Brass Service Saddles meet A.W.W.A. standards
- Use on cold water services only
- HDPE requires a Belleville washer kit add BW to end of part number

#### Options

- Contact factory for 1 1/4" tapped saddles
- Contact factory for availability BSPT (British Standard Pipe Taper Thread) tapped saddles



| Size | Part Number<br>AWWA Tap | Part Number<br>FIP Tap | O.D.<br>Range | Tap Size | Weight<br>Each | Price    |
|------|-------------------------|------------------------|---------------|----------|----------------|----------|
| 4"   | 822-0480-A1             | 822-0480-F1            | 4.50" - 4.80" | 1/2"     | 6.2            | \$130.42 |
| 4"   | 822-0480-A3             | 822-0480-F3            | 4.50" - 4.80" | 3/4"     | 6.2            | \$130.42 |
| 4"   | 822-0480-A4             | 822-0480-F4            | 4.50" - 4.80" | 1"       | 6.2            | \$130.42 |
| 6"   | 822-0750-A1             | 822-0750-F1            | 6.62" - 7.50" | 1/2"     | 7.2            | \$158.69 |
| 6"   | 822-0750-A3             | 822-0750-F3            | 6.62" - 7.50" | 3/4"     | 7.2            | \$158.69 |
| 6"   | 822-0750-A4             | 822-0750-F4            | 6.62" - 7.50" | 1"       | 7.2            | \$158.69 |
| 8"   | 822-0962-A1             | 822-0962-F1            | 8.62" - 9.62" | 1/2"     | 8.2            | \$202.25 |
| 8"   | 822-0962-A3             | 822-0962-F3            | 8.62" - 9.62" | 3/4"     | 8.2            | \$202.25 |
| 8"   | 822-0962-A4             | 822-0962-F4            | 8.62" - 9.62" | 1"       | 8.2            | \$202.25 |

Pricing in U.S. funds.

- All Saddles should be tested before bury
- Tighten to specified torque. Do not overtighten
- See installation instructions on page 20

Ferrule Strap Saddles with Stainless-Steel Strap

**Notes**  
- Replacement components available for banjo, cap, cutter, grip, o-ring. Please call for details.



| Size | Part Number<br>AWWA Tap | O.D.<br>Range | Tap Size | Weight<br>Each | List<br>Price |
|------|-------------------------|---------------|----------|----------------|---------------|
| 2"   | 831-0238-PF3            | 2.38"         | 3/4" PF  | 2.8            | \$156.11      |
| 4"   | 831-0450-F3             | 4.50"         | 3/4" F   | 3.2            | \$153.83      |
| 4"   | 831-0450-PF3            | 4.50"         | 3/4" PF  | 3.4            | \$203.38      |
| 4"   | 831-0480-F3             | 4.80"         | 3/4" F   | 3.2            | \$153.94      |
| 4"   | 831-0480-PF3            | 4.80"         | 3/4" PF  | 3.4            | \$152.07      |

• Insert stiffeners are required for all connections using plastic flexible pipe see page 55

Pricing in U.S. funds.

# Saddles & Repair Clamps

## Brass Bushings

### Series 83NL

AWWA Thread x AWWA Thread



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 83NL-A3A1   | 3/4"       | 1/2"        | 0.3            | 50      | \$23.73    |
| 83NL-A4A3   | 1"         | 3/4"        | 0.4            | 40      | \$29.34    |
| 83NL-A6A3   | 1 1/2"     | 3/4"        | 1.3            | 18      | \$79.11    |
| 83NL-A6A4   | 1 1/2"     | 1"          | 1.3            | 18      | \$79.37    |
| 83NL-A7A3   | 2"         | 3/4"        | 1.6            | 12      | \$126.68   |
| 83NL-A7A4   | 2"         | 1"          | 1.5            | 12      | \$129.53   |
| 83NL-A7A6   | 2"         | 1 1/2"      | 1.7            | 12      | \$96.60    |

### Series 46NL

Belleville Washer Kit  
(For HDPE Pipe)



| Part Number | Wt. Each (lbs) | Box Qty | List Price |
|-------------|----------------|---------|------------|
| 46-2        | 0.4            | 8       | \$31.39    |
| 46-2A       | 0.2            | 4       | \$15.70    |

### Series 83NL

MIP Thread x AWWA Thread



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 83NL-M4A3   | 1"         | 3/4"        | 0.7            | 32      | \$29.85    |
| 83NL-M6A3   | 1 1/2"     | 3/4"        | 1.1            | 18      | \$76.24    |
| 83NL-M6A4   | 1 1/2"     | 1"          | 1.1            | 18      | \$73.77    |
| 83NL-M7A3   | 2"         | 3/4"        | 1.1            | 12      | \$97.58    |
| 83NL-M7A4   | 2"         | 1"          | 1.1            | 12      | \$105.59   |
| 83NL-M7A6   | 2"         | 1 1/2"      | 1.3            | 12      | \$83.62    |

### Series 83NL

MIP Thread x FIP Thread



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 83NL-M4F3   | 1"         | 3/4"        | 0.9            | 32      | \$22.46    |
| 83NL-M5F4   | 1 1/4"     | 1"          | 1.1            | 30      | \$69.51    |
| 83NL-M6F4   | 1 1/2"     | 1"          | 1.2            | 30      | \$73.83    |
| 83NL-M7F4   | 2"         | 1"          | 1.0            | 20      | \$105.59   |
| 83NL-M7F6   | 2"         | 1 1/2"      | 1.2            | 10      | \$83.65    |

Pricing in U.S. funds.

• Insert stiffeners are required for all connections using plastic flexible pipe see page 55



## 8403 TECK™ Stainless-Steel Saddles Double Bolt

Stainless-Steel TECK™ service saddles feature a fully welded bar, chemically passivated welds, anti-gall nuts, EPDM ring gasket, and AWWA, FNPT and BSPT taps. Multiple sizes are available including standard and custom diameter ranges. Installation instructions are provided with each saddle. Please read and follow instructions to ensure long lasting performance. Please note: Stainless-Steel Saddles are made to order and not returnable.

### Materials

Band - ASTM A240 type 304 (18-8) Stainless-Steel  
Lifter Plate - ASTM A240 Type 304 (18-8) Stainless-Steel  
Gasket - EPDM ring gasket meets ASTM D2000 and NDF 61  
Studs - ASTM F593 Type 304 (18-8) Stainless-Steel  
Nuts - ASTM F594 Type 304 (18-8) Stainless-Steel PTFE coated  
to prevent galling  
Washers - ASME B18.221 Type 304 (18-8) Stainless-Steel

### Notes

- Order saddles by model numbers for example 8403-0690-A3
- All saddles have Pipe O.D. size identification
- All saddles meet AWWA standards and are certified to NSF 61
- Rated for 250 PSI working pressure
- Belleville Washer kits (for HDPE pipe) available
- Laser etched Label for part number, description, brief instruction and manufacturing date



All Saddles should be tested before bury  
• Tighten to specified torque. Do not overtighten  
• See installation instructions on page 20  
• HDPE requires a Belleville washer kit add BW to end of part number. See page 71 for pricing

Pricing in U.S. funds.

# Saddles & Repair Clamps

## 8403 TECK™ Stainless-Steel Saddles Double Bolt

Product certified to Standard NSF 61

Please note: Stainless-Steel Saddles are made to order and not returnable.

|                                 |                   |          |         |
|---------------------------------|-------------------|----------|---------|
| 4" nominal size                 | A3/A4/F3/F4       | 20 Gauge | 6" Wide |
| 4" nominal size                 | A5/A6/A7/F5/F6/F7 | 20 Gauge | 8" Wide |
| 6" to 8" nominal size           | A3/A4/F3/F4       | 20 Gauge | 6" Wide |
| 6" to 8" nominal size           | A5/A6/A7/F5/F6/F7 | 18 Gauge | 8" Wide |
| All 10" nominal size and larger | A3/A4/F3/F4       | 18 Gauge | 6" Wide |
| All 10" nominal size and larger | A5/A6/A7/F5/F6/F7 | 18 Gauge | 8" Wide |



| Part Number |      | Pipe OD Range      |      |      |      |          |
|-------------|------|--------------------|------|------|------|----------|
| Series      | Size | Outlet AWWA or FIP | Nom. | Min. | Max. | Price    |
| 8403        | 0450 | A3 or F3           | 4    | 4.30 | 4.70 | \$99.66  |
| 8403        | 0450 | A4 or F4           | 4    | 4.30 | 4.70 | \$99.66  |
| 8403        | 0450 | A5 or F5           | 4    | 4.30 | 4.70 | \$197.84 |
| 8403        | 0450 | A6 or F6           | 4    | 4.30 | 4.70 | \$197.84 |
| 8403        | 0450 | A7 or F7           | 4    | 4.30 | 4.70 | \$197.84 |
| 8403        | 0465 | A3 or F3           | 4    | 4.45 | 4.85 | \$99.66  |
| 8403        | 0465 | A4 or F4           | 4    | 4.45 | 4.85 | \$99.66  |
| 8403        | 0465 | A5 or F5           | 4    | 4.45 | 4.85 | \$197.84 |
| 8403        | 0465 | A6 or F6           | 4    | 4.45 | 4.85 | \$197.84 |
| 8403        | 0465 | A7 or F7           | 4    | 4.45 | 4.85 | \$197.84 |
| 8403        | 0480 | A3 or F3           | 4    | 4.60 | 5.00 | \$99.66  |
| 8403        | 0480 | A4 or F4           | 4    | 4.60 | 5.00 | \$99.66  |
| 8403        | 0480 | A5 or F5           | 4    | 4.60 | 5.00 | \$197.84 |
| 8403        | 0480 | A6 or F6           | 4    | 4.60 | 5.00 | \$197.84 |
| 8403        | 0480 | A7 or F7           | 4    | 4.60 | 5.00 | \$197.84 |
| 8403        | 0663 | A3 or F3           | 6    | 6.43 | 6.83 | \$142.59 |
| 8403        | 0663 | A4 or F4           | 6    | 6.43 | 6.83 | \$142.59 |
| 8403        | 0663 | A5 or F5           | 6    | 6.43 | 6.83 | \$203.62 |
| 8403        | 0663 | A6 or F6           | 6    | 6.43 | 6.83 | \$203.62 |
| 8403        | 0663 | A7 or F7           | 6    | 6.43 | 6.83 | \$203.62 |
| 8403        | 0677 | A3 or F3           | 6    | 6.54 | 7.00 | \$142.59 |
| 8403        | 0677 | A4 or F4           | 6    | 6.54 | 7.00 | \$142.59 |
| 8403        | 0677 | A5 or F5           | 6    | 6.54 | 7.00 | \$203.62 |
| 8403        | 0677 | A6 or F6           | 6    | 6.54 | 7.00 | \$203.62 |
| 8403        | 0677 | A7 or F7           | 6    | 6.54 | 7.00 | \$203.62 |
| 8403        | 0690 | A3 or F3           | 6    | 6.70 | 7.10 | \$142.59 |
| 8403        | 0690 | A4 or F4           | 6    | 6.70 | 7.10 | \$142.59 |
| 8403        | 0690 | A5 or F5           | 6    | 6.70 | 7.10 | \$203.62 |
| 8403        | 0690 | A6 or F6           | 6    | 6.70 | 7.10 | \$203.62 |
| 8403        | 0690 | A7 or F7           | 6    | 6.70 | 7.10 | \$203.62 |

### Gasket Options:

Add PG for EPDM PAD GASKET  
Add NG for NITRILE RING GASKET  
Add NPG for NITRILE PAD GASKET

Product Example:

8403-0480-A3 - (EPDM Ring Gasket)  
8403-0480-A3NG - (NITRILE Ring Gasket)  
8403-0480-A3PG - (EPDM Pad Gasket)  
8403-0480-A3NPG - (NITRILE Pad Gasket)

Note: All 14" nominal size and larger are in 2 pieces, including 12" Nominal size with pipe OD range (14.00-14.47)

### Outlet Options

| Size:  | AWWA | FIP | BSPT                                |
|--------|------|-----|-------------------------------------|
| 3/4"   | A3   | F3  | British thread available on request |
| 1"     | A4   | F4  |                                     |
| 1 1/4" | A5   | F5  |                                     |
| 1 1/2" | A6   | F6  |                                     |
| 2"     | A7   | F7  |                                     |

Pricing in U.S. funds.

All Saddles should be tested before bury  
• Tighten to specified torque. Do not overtighten  
• See installation instructions on page 20  
• HDPE requires a Belleville washer kit add BW to end of part number. See page 71 for pricing

## 8403 TECK™ Stainless-Steel Saddles Double Bolt

Product certified to Standard NSF 61

Please note: Stainless-Steel Saddles are made to order and not returnable.

|                                 |                   |          |         |
|---------------------------------|-------------------|----------|---------|
| 4" nominal size                 | A3/A4/F3/F4       | 20 Gauge | 6" Wide |
| 4" nominal size                 | A5/A6/A7/F5/F6/F7 | 20 Gauge | 8" Wide |
| 6" to 8" nominal size           | A3/A4/F3/F4       | 20 Gauge | 6" Wide |
| 6" to 8" nominal size           | A5/A6/A7/F5/F6/F7 | 18 Gauge | 8" Wide |
| All 10" nominal size and larger | A3/A4/F3/F4       | 18 Gauge | 6" Wide |
| All 10" nominal size and larger | A5/A6/A7/F5/F6/F7 | 18 Gauge | 8" Wide |



| Part Number |      |                    | Pipe OD Range |       |       | Price    |
|-------------|------|--------------------|---------------|-------|-------|----------|
| Series      | Size | Outlet AWWA or FIP | Nom.          | Min.  | Max.  |          |
| 8403        | 0863 | A3 or F3           | 8             | 8.43  | 8.83  | \$144.65 |
| 8403        | 0863 | A4 or F4           | 8             | 8.43  | 8.83  | \$144.65 |
| 8403        | 0863 | A5 or F5           | 8             | 8.43  | 8.83  | \$210.64 |
| 8403        | 0863 | A6 or F6           | 8             | 8.43  | 8.83  | \$210.64 |
| 8403        | 0863 | A7 or F7           | 8             | 8.43  | 8.83  | \$210.64 |
| 8403        | 0886 | A3 or F3           | 8             | 8.63  | 9.08  | \$144.65 |
| 8403        | 0886 | A4 or F4           | 8             | 8.63  | 9.08  | \$144.65 |
| 8403        | 0886 | A5 or F5           | 8             | 8.63  | 9.08  | \$210.64 |
| 8403        | 0886 | A6 or F6           | 8             | 8.63  | 9.08  | \$210.64 |
| 8403        | 0886 | A7 or F7           | 8             | 8.63  | 9.08  | \$210.64 |
| 8403        | 0905 | A3 or F3           | 8             | 8.85  | 9.25  | \$144.65 |
| 8403        | 0905 | A4 or F4           | 8             | 8.85  | 9.25  | \$144.65 |
| 8403        | 0905 | A5 or F5           | 8             | 8.85  | 9.25  | \$210.64 |
| 8403        | 0905 | A6 or F6           | 8             | 8.85  | 9.25  | \$210.64 |
| 8403        | 0905 | A7 or F7           | 8             | 8.85  | 9.25  | \$210.64 |
| 8403        | 1075 | A3 or F3           | 10            | 10.55 | 10.95 | \$176.30 |
| 8403        | 1075 | A4 or F4           | 10            | 10.55 | 10.95 | \$176.30 |
| 8403        | 1075 | A5 or F5           | 10            | 10.55 | 10.95 | \$223.66 |
| 8403        | 1075 | A6 or F6           | 10            | 10.55 | 10.95 | \$223.66 |
| 8403        | 1075 | A7 or F7           | 10            | 10.55 | 10.95 | \$223.66 |
| 8403        | 1093 | A3 or F3           | 10            | 10.70 | 11.16 | \$176.30 |
| 8403        | 1093 | A4 or F4           | 10            | 10.70 | 11.16 | \$176.30 |
| 8403        | 1093 | A5 or F5           | 10            | 10.70 | 11.16 | \$223.66 |
| 8403        | 1093 | A6 or F6           | 10            | 10.70 | 11.16 | \$223.66 |
| 8403        | 1093 | A7 or F7           | 10            | 10.70 | 11.16 | \$223.66 |
| 8403        | 1110 | A3 or F3           | 10            | 10.90 | 11.30 | \$176.30 |
| 8403        | 1110 | A4 or F4           | 10            | 10.90 | 11.30 | \$176.30 |
| 8403        | 1110 | A5 or F5           | 10            | 10.90 | 11.30 | \$223.66 |
| 8403        | 1110 | A6 or F6           | 10            | 10.90 | 11.30 | \$223.66 |
| 8403        | 1110 | A7 or F7           | 10            | 10.90 | 11.30 | \$223.66 |
| 8403        | 1275 | A3 or F3           | 12            | 12.55 | 12.95 | \$180.31 |
| 8403        | 1275 | A4 or F4           | 12            | 12.55 | 12.95 | \$180.31 |
| 8403        | 1275 | A5 or F5           | 12            | 12.55 | 12.95 | \$235.41 |
| 8403        | 1275 | A6 or F6           | 12            | 12.55 | 12.95 | \$235.41 |
| 8403        | 1275 | A7 or F7           | 12            | 12.55 | 12.95 | \$235.41 |

### Gasket Options:

Add PG for EPDM PAD GASKET  
Add NG for NITRILE RING GASKET  
Add NPG for NITRILE PAD GASKET

Product Example:

8403-0480-A3 - (EPDM Ring Gasket)  
8403-0480-A3NG - (NITRILE Ring Gasket)  
8403-0480-A3PG - (EPDM Pad Gasket)  
8403-0480-A3NPG - (NITRILE Pad Gasket)

Note: All 14" nominal size and larger are in 2 pieces, including 12" Nominal size with pipe OD range (14.00-14.47)

### Outlet Options

| Size:  | AWWA | FIP | BSPT                                |
|--------|------|-----|-------------------------------------|
| 3/4"   | A3   | F3  | British thread available on request |
| 1"     | A4   | F4  |                                     |
| 1 1/4" | A5   | F5  |                                     |
| 1 1/2" | A6   | F6  |                                     |
| 2"     | A7   | F7  |                                     |

Pricing in U.S. funds.

# Saddles & Repair Clamps

## 8403 TECK™ Stainless-Steel Saddles Double Bolt

Product certified to Standard NSF 61

Please note: Stainless-Steel Saddles are made to order and not returnable.



|                                 |                   |          |         |
|---------------------------------|-------------------|----------|---------|
| 4" nominal size                 | A3/A4/F3/F4       | 20 Gauge | 6" Wide |
| 4" nominal size                 | A5/A6/A7/F5/F6/F7 | 20 Gauge | 8" Wide |
| 6" to 8" nominal size           | A3/A4/F3/F4       | 20 Gauge | 6" Wide |
| 6" to 8" nominal size           | A5/A6/A7/F5/F6/F7 | 18 Gauge | 8" Wide |
| All 10" nominal size and larger | A3/A4/F3/F4       | 18 Gauge | 6" Wide |
| All 10" nominal size and larger | A5/A6/A7/F5/F6/F7 | 18 Gauge | 8" Wide |

| Part Number |      | Pipe OD Range      |      |       |       |          |
|-------------|------|--------------------|------|-------|-------|----------|
| Series      | Size | Outlet AWWA or FIP | Nom. | Min.  | Max.  | Price    |
| 8403        | 1298 | A3 or F3           | 12   | 12.74 | 13.21 | \$180.31 |
| 8403        | 1298 | A4 or F4           | 12   | 12.74 | 13.21 | \$180.31 |
| 8403        | 1298 | A5 or F5           | 12   | 12.74 | 13.21 | \$235.41 |
| 8403        | 1298 | A6 or F6           | 12   | 12.74 | 13.21 | \$235.41 |
| 8403        | 1298 | A7 or F7           | 12   | 12.74 | 13.21 | \$235.41 |
| 8403        | 1320 | A3 or F3           | 12   | 13.00 | 13.40 | \$180.31 |
| 8403        | 1320 | A4 or F4           | 12   | 13.00 | 13.40 | \$180.31 |
| 8403        | 1320 | A5 or F5           | 12   | 13.00 | 13.40 | \$235.41 |
| 8403        | 1320 | A6 or F6           | 12   | 13.00 | 13.40 | \$235.41 |
| 8403        | 1320 | A7 or F7           | 12   | 13.00 | 13.40 | \$235.41 |
| 8403        | 1400 | A3 or F3           | 14   | 13.60 | 14.40 | \$320.59 |
| 8403        | 1400 | A4 or F4           | 14   | 13.60 | 14.40 | \$320.59 |
| 8403        | 1400 | A5 or F5           | 14   | 13.60 | 14.40 | \$334.05 |
| 8403        | 1400 | A6 or F6           | 14   | 13.60 | 14.40 | \$334.05 |
| 8403        | 1400 | A7 or F7           | 14   | 13.60 | 14.40 | \$334.05 |
| 8403        | 1530 | A3 or F3           | 14   | 14.90 | 15.70 | \$320.59 |
| 8403        | 1530 | A4 or F4           | 14   | 14.90 | 15.70 | \$320.59 |
| 8403        | 1530 | A5 or F5           | 14   | 14.90 | 15.70 | \$334.05 |
| 8403        | 1530 | A6 or F6           | 14   | 14.90 | 15.70 | \$334.05 |
| 8403        | 1530 | A7 or F7           | 14   | 14.90 | 15.70 | \$334.05 |
| 8403        | 1600 | A3 or F3           | 16   | 15.60 | 16.40 | \$337.32 |
| 8403        | 1600 | A4 or F4           | 16   | 15.60 | 16.40 | \$337.32 |
| 8403        | 1600 | A5 or F5           | 16   | 15.60 | 16.40 | \$348.41 |
| 8403        | 1600 | A6 or F6           | 16   | 15.60 | 16.40 | \$348.41 |
| 8403        | 1600 | A7 or F7           | 16   | 15.60 | 16.40 | \$348.41 |
| 8403        | 1740 | A3 or F3           | 16   | 17.00 | 17.80 | \$337.32 |
| 8403        | 1740 | A4 or F4           | 16   | 17.00 | 17.80 | \$337.32 |
| 8403        | 1740 | A5 or F5           | 16   | 17.00 | 17.80 | \$348.41 |
| 8403        | 1740 | A6 or F6           | 16   | 17.00 | 17.80 | \$348.41 |
| 8403        | 1740 | A7 or F7           | 16   | 17.00 | 17.80 | \$348.41 |

### Gasket Options:

Add PG for EPDM PAD GASKET  
Add NG for NITRILE RING GASKET  
Add NPG for NITRILE PAD GASKET

Product Example:

8403-0480-A3 - (EPDM Ring Gasket)  
8403-0480-A3NG - (NITRILE Ring Gasket)  
8403-0480-A3PG - (EPDM Pad Gasket)  
8403-0480-A3NPG - (NITRILE Pad Gasket)

Note: All 14" nominal size and larger are in 2 pieces, including 12" Nominal size with pipe OD range (14.00-14.47)

### Outlet Options

| Size:  | AWWA | FIP | BSPT                                |
|--------|------|-----|-------------------------------------|
| 3/4"   | A3   | F3  | British thread available on request |
| 1"     | A4   | F4  |                                     |
| 1 1/4" | A5   | F5  |                                     |
| 1 1/2" | A6   | F6  |                                     |
| 2"     | A7   | F7  |                                     |

Pricing in U.S. funds.

All Saddles should be tested before bury  
• Tighten to specified torque. Do not overtighten  
• See installation instructions on page 20  
• HDPE requires a Belleville washer kit add BW to end of part number. See page 71 for pricing

## 8403 TECK™ Stainless-Steel Saddles Double Bolt

Product certified to Standard NSF 61

Please note: Stainless-Steel Saddles are made to order and not returnable.

|                                 |                   |          |         |
|---------------------------------|-------------------|----------|---------|
| 4" nominal size                 | A3/A4/F3/F4       | 20 Gauge | 6" Wide |
| 4" nominal size                 | A5/A6/A7/F5/F6/F7 | 20 Gauge | 8" Wide |
| 6" to 8" nominal size           | A3/A4/F3/F4       | 20 Gauge | 6" Wide |
| 6" to 8" nominal size           | A5/A6/A7/F5/F6/F7 | 18 Gauge | 8" Wide |
| All 10" nominal size and larger | A3/A4/F3/F4       | 18 Gauge | 6" Wide |
| All 10" nominal size and larger | A5/A6/A7/F5/F6/F7 | 18 Gauge | 8" Wide |



| Part Number |      |                    | Pipe OD Range |       |       | Price    |
|-------------|------|--------------------|---------------|-------|-------|----------|
| Series      | Size | Outlet AWWA or FIP | Nom.          | Min.  | Max.  |          |
| 8403        | 1800 | A3 or F3           | 18            | 17.60 | 18.40 | \$345.43 |
| 8403        | 1800 | A4 or F4           | 18            | 17.60 | 18.40 | \$345.43 |
| 8403        | 1800 | A5 or F5           | 18            | 17.60 | 18.40 | \$362.08 |
| 8403        | 1800 | A6 or F6           | 18            | 17.60 | 18.40 | \$362.08 |
| 8403        | 1800 | A7 or F7           | 18            | 17.60 | 18.40 | \$362.08 |
| 8403        | 1950 | A3 or F3           | 18            | 19.10 | 19.90 | \$345.43 |
| 8403        | 1950 | A4 or F4           | 18            | 19.10 | 19.90 | \$345.43 |
| 8403        | 1950 | A5 or F5           | 18            | 19.10 | 19.90 | \$362.08 |
| 8403        | 1950 | A6 or F6           | 18            | 19.10 | 19.90 | \$362.08 |
| 8403        | 1950 | A7 or F7           | 18            | 19.10 | 19.90 | \$362.08 |
| 8403        | 2000 | A3 or F3           | 20            | 19.60 | 20.40 | \$381.23 |
| 8403        | 2000 | A4 or F4           | 20            | 19.60 | 20.40 | \$381.23 |
| 8403        | 2000 | A5 or F5           | 20            | 19.60 | 20.40 | \$391.20 |
| 8403        | 2000 | A6 or F6           | 20            | 19.60 | 20.40 | \$391.20 |
| 8403        | 2000 | A7 or F7           | 20            | 19.60 | 20.40 | \$391.20 |
| 8403        | 2160 | A3 or F3           | 20            | 21.20 | 22.00 | \$381.23 |
| 8403        | 2160 | A4 or F4           | 20            | 21.20 | 22.00 | \$381.23 |
| 8403        | 2160 | A5 or F5           | 20            | 21.20 | 22.00 | \$391.20 |
| 8403        | 2160 | A6 or F6           | 20            | 21.20 | 22.00 | \$391.20 |
| 8403        | 2160 | A7 or F7           | 20            | 21.20 | 22.00 | \$391.20 |
| 8403        | 2400 | A3 or F3           | 24            | 23.60 | 24.40 | \$395.86 |
| 8403        | 2400 | A4 or F4           | 24            | 23.60 | 24.40 | \$395.86 |
| 8403        | 2400 | A5 or F5           | 24            | 23.60 | 24.40 | \$428.55 |
| 8403        | 2400 | A6 or F6           | 24            | 23.60 | 24.40 | \$428.55 |
| 8403        | 2400 | A7 or F7           | 24            | 23.60 | 24.40 | \$428.55 |
| 8403        | 2580 | A3 or F3           | 24            | 25.40 | 26.20 | \$395.86 |
| 8403        | 2580 | A4 or F4           | 24            | 25.40 | 26.20 | \$395.86 |
| 8403        | 2580 | A5 or F5           | 24            | 25.40 | 26.20 | \$428.55 |
| 8403        | 2580 | A6 or F6           | 24            | 25.40 | 26.20 | \$428.55 |
| 8403        | 2580 | A7 or F7           | 24            | 25.40 | 26.20 | \$428.55 |

### Gasket Options:

Add PG for EPDM PAD GASKET  
Add NG for NITRILE RING GASKET  
Add NPG for NITRILE PAD GASKET

Product Example:

8403-0480-A3 - (EPDM Ring Gasket)  
8403-0480-A3NG - (NITRILE Ring Gasket)  
8403-0480-A3PG - (EPDM Pad Gasket)  
8403-0480-A3NPG - (NITRILE Pad Gasket)

Note: All 14" nominal size and larger are in 2 pieces, including 12" Nominal size with pipe OD range (14.00-14.47)

### Outlet Options

| Size:  | AWWA | FIP | BSPT                                |
|--------|------|-----|-------------------------------------|
| 3/4"   | A3   | F3  | British thread available on request |
| 1"     | A4   | F4  |                                     |
| 1 1/4" | A5   | F5  |                                     |
| 1 1/2" | A6   | F6  |                                     |
| 2"     | A7   | F7  |                                     |

Pricing in U.S. funds.

## 8803 TECK™ Two Piece Stainless-Steel Saddles

### Product certified to Standard NSF 61

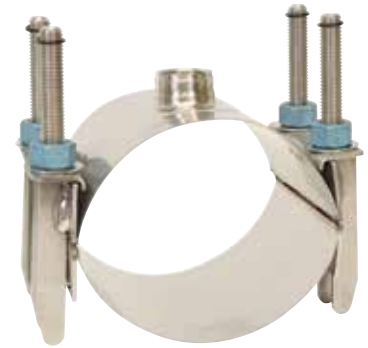
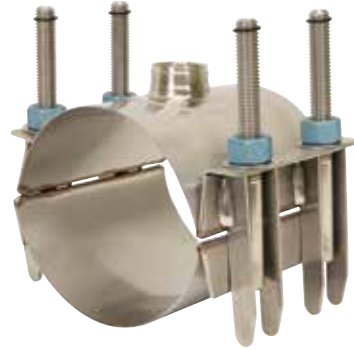
Stainless-Steel TECK™ service saddles feature a fully welded bar, chemically passivated welds, anti-gall nuts, EPDM ring gasket, and AWWA, FNPT and BSPT taps. Multiple sizes are available including standard and custom diameter ranges. Installation instructions are provided with each saddle. Please read and follow instructions to ensure long lasting performance.

### Benefits

- All components are made of 18-8 type 304 Stainless-Steel
- Fully Passivated for corrosion resistance
- Lifter bar design - no loose parts for assembly
- Saddle size and outlet information clearly marked on each saddle
- Rated for 250 PSI working pressure
- Alternative gasket materials NBR, is available upon request
- Ring gasket and pad gasket options are available upon request
- Recommended bolt torque ~ 60 ft. lbs.

### Materials

- Band - ASTM A240 type 304 (18-8) Stainless-Steel
- Lifter Plate - ASTM A240 Type 304 (18-8) Stainless-Steel
- Gasket - EPDM ring gasket meets ASTM D2000 and NSF 61
- Studs - ASTM F593 Type 304 (18-8) Stainless-Steel
- Nuts - ASTM F594 Type 304 (18-8) Stainless-Steel PTFE coated to prevent galling
- Washers - ASME B18.221 Type 304 (18-8) Stainless-Steel



| Part Number |      | Pipe OD Range            |      |       |       |          |
|-------------|------|--------------------------|------|-------|-------|----------|
| Series      | Size | Outlet<br>AWWA<br>or FIP | Nom. | Min.  | Max.  | Price    |
| 8803        | 677  | A3 or F3                 | 6    | 6.37  | 7.17  | \$274.21 |
| 8803        | 677  | A4 or F4                 | 6    | 6.37  | 7.17  | \$274.21 |
| 8803        | 677  | A5 or F5                 | 6    | 6.37  | 7.17  | \$324.42 |
| 8803        | 677  | A6 or F6                 | 6    | 6.37  | 7.17  | \$324.32 |
| 8803        | 677  | A7 or F7                 | 6    | 6.37  | 7.17  | \$324.32 |
| 8803        | 886  | A3 or F3                 | 8    | 8.46  | 9.26  | \$283.72 |
| 8803        | 886  | A4 or F4                 | 8    | 8.46  | 9.26  | \$283.72 |
| 8803        | 886  | A5 or F5                 | 8    | 8.46  | 9.26  | \$333.05 |
| 8803        | 886  | A6 or F6                 | 8    | 8.46  | 9.26  | \$333.05 |
| 8803        | 886  | A7 or F7                 | 8    | 8.46  | 9.26  | \$333.05 |
| 8803        | 1093 | A3 or F3                 | 10   | 10.53 | 11.33 | \$297.52 |
| 8803        | 1093 | A4 or F4                 | 10   | 10.53 | 11.33 | \$297.52 |
| 8803        | 1093 | A5 or F5                 | 10   | 10.53 | 11.33 | \$347.57 |
| 8803        | 1093 | A6 or F6                 | 10   | 10.53 | 11.33 | \$347.57 |
| 8803        | 1093 | A7 or F7                 | 10   | 10.53 | 11.33 | \$347.57 |
| 8803        | 1298 | A3 or F3                 | 12   | 12.58 | 13.38 | \$311.03 |
| 8803        | 1298 | A4 or F4                 | 12   | 12.58 | 13.38 | \$311.03 |
| 8803        | 1298 | A5 or F5                 | 12   | 12.58 | 13.38 | \$358.71 |
| 8803        | 1298 | A6 or F6                 | 12   | 12.58 | 13.38 | \$358.71 |
| 8803        | 1298 | A7 or F7                 | 12   | 12.58 | 13.38 | \$358.71 |

Pricing in U.S. funds.



## Stainless-Steel Saddles with Integral Corporation Stop

### Benefits

- Eliminates the installation of the Corporation Stop onto the Saddle, as it is now one unit
- Reduces the Saddle & Corporation Stop installation time in half, thus reducing the amount of time installers spend in the ditch
- The assembly is factory tested as one unit
- Comes complete with a cast brass top cap for easier actuation
- Eliminates a leak point
- A quicker and more cost effective installation

### Materials

Band - ASTM A240 Type 304 (18-8) Stainless-Steel  
 Lifter Plate - ASTM A240 Type 304 (18-8) Stainless-Steel  
 Gasket - EPDM ring gasket meets ASTM D2000 and NSF 61  
 Studs - ASTM F593 Type 304 (18-8) Stainless-Steel  
 Nuts - ASTM F594 Type 304 (18-8) Stainless-Steel PTFE coated to prevent galling  
 Washers - ASME B18.221 Type 304 (18-8) Stainless-Steel  
 Connections are manufactured to meet or exceed AWWA C800, NSF61 & 372 standards.

### Features

- All saddles have Pipe O.D. size identification
- All saddles meet AWWA standards and are designed to meet NSF 61 and NSF 372
- Rated for 250 PSI working pressure
- Belleville Washer kits (for HDPE pipe) available
- Laser etched Label for series, size, description, brief instruction and manufacturing date

## 8413 TECK™ Stainless-Steel Saddles with Integral Corp. Stop

Product certified to Standard NSF 61

The new 8413 TECK™ Stainless-Steel Saddles with an Integral Corporation Stop consist of a Stainless-Steel Saddle with the outlet boss threaded to mate to the body of a Brass Ball Valve. Stainless-Steel TECK™ Service Saddles feature a fully welded bar, chemically passivated welds, anti-gall nuts and EPDM ring gasket. Contact our Customer Service Department for additional sizes and connections. Installation instructions are provided with each Saddle so please read and follow instructions to ensure long lasting performance. Please note: Stainless-Steel saddles are made to order and not returnable.

### Specifications for all 8413 Series:

| Nominal Pipe Size             | Outlet               | Material Thickness | Lay Length |
|-------------------------------|----------------------|--------------------|------------|
| 4" nominal size               | H3, HE3, B3, GJ3, K3 | 20 Gauge           | 6" Wide    |
| 4" nominal size               | H4, HE4, B4, GJ4, K4 | 20 Gauge           | 8" Wide    |
| 6" to 8" nominal size         | H3, HE3, B3, GJ3, K3 | 20 Gauge           | 6" Wide    |
| 6" to 8" nominal size         | H4, HE4, B4, GJ4, K4 | 18 Gauge           | 8" Wide    |
| All 10" nominal size & larger | H3, HE3, B3, GJ3, K3 | 18 Gauge           | 6" Wide    |
| All 10" nominal size & larger | H4, HE4, B4, GJ4, K4 | 18 Gauge           | 8" Wide    |

### Gasket Options:

Add PG for EPDM PAD GASKET  
 Add NG for NITRILE RING GASKET  
 Add NPG for NITRILE PAD GASKET

Product Example:

8413NL-0480-H3 - (EPDM Ring Gasket)  
 8413NL-0480-H3NG - (NITRILE Ring Gasket)  
 8413NL-0480-H3PG - (EPDM Pad Gasket)  
 8413NL-0480-H3NPG - (NITRILE Pad Gasket)



- All Saddles should be tested before bury
- Tighten to specified torque
- HDPE requires a Belleville washer kit add BW to end of part number. See page 71 for pricing

Pricing in U.S. funds.

# Saddles & Repair Clamps

## 8413 TECK™ Stainless-Steel Saddles with Integral Corp. Stop

Product certified to Standard NSF 61

Please note: Stainless-Steel Saddles are made to order and not returnable

| Nom.                 | Min.  | Max.  | Series | Size | Valve Outlet<br>CB<br>Compression | Price   | Nom.                 | Min.  | Max.  | Series | Size | Valve Outlet<br>CB<br>Compression | Price   |
|----------------------|-------|-------|--------|------|-----------------------------------|---|----------------------|-------|-------|--------|------|-----------------------------------|---|
| H3 = 3/4"<br>H4 = 1" |       |       |        |      |                                   |  | H3 = 3/4"<br>H4 = 1" |       |       |        |      |                                   |  |
| 4                    | 4.30  | 4.70  | 8413NL | 0450 | H3                                | \$270.76  | 12                   | 12.55 | 12.95 | 8413NL | 1275 | H3                                | \$362.67  |
| 4                    | 4.30  | 4.70  | 8413NL | 0450 | H4                                | \$331.46  | 12                   | 12.55 | 12.95 | 8413NL | 1275 | H4                                | \$427.10  |
| 4                    | 4.45  | 4.85  | 8413NL | 0465 | H3                                | \$270.76  | 12                   | 12.74 | 13.21 | 8413NL | 1298 | H3                                | \$362.67  |
| 4                    | 4.45  | 4.85  | 8413NL | 0465 | H4                                | \$331.46  | 12                   | 12.74 | 13.21 | 8413NL | 1298 | H4                                | \$427.10  |
| 4                    | 4.60  | 5.00  | 8413NL | 0480 | H3                                | \$270.76  | 12                   | 13.00 | 13.40 | 8413NL | 1320 | H3                                | \$362.67  |
| 4                    | 4.60  | 5.00  | 8413NL | 0480 | H4                                | \$331.46  | 12                   | 13.00 | 13.40 | 8413NL | 1320 | H4                                | \$427.10  |
| 6                    | 6.43  | 6.83  | 8413NL | 0663 | H3                                | \$321.16  | 14                   | 13.60 | 14.40 | 8413NL | 1400 | H3                                | \$530.14  |
| 6                    | 6.43  | 6.83  | 8413NL | 0663 | H4                                | \$385.61  | 14                   | 13.60 | 14.40 | 8413NL | 1400 | H4                                | \$610.06  |
| 6                    | 6.54  | 7.00  | 8413NL | 0677 | H3                                | \$321.16  | 14                   | 14.90 | 15.70 | 8413NL | 1530 | H3                                | \$530.14  |
| 6                    | 6.54  | 7.00  | 8413NL | 0677 | H4                                | \$385.61  | 14                   | 14.90 | 15.70 | 8413NL | 1530 | H4                                | \$610.06  |
| 6                    | 6.70  | 7.10  | 8413NL | 0690 | H3                                | \$321.16  | 16                   | 15.60 | 16.40 | 8413NL | 1600 | H3                                | \$549.78  |
| 6                    | 6.70  | 7.10  | 8413NL | 0690 | H4                                | \$385.61  | 16                   | 15.60 | 16.40 | 8413NL | 1600 | H4                                | \$631.18  |
| 8                    | 8.43  | 8.83  | 8413NL | 0863 | H3                                | \$323.43  | 16                   | 17.00 | 17.80 | 8413NL | 1740 | H3                                | \$549.78  |
| 8                    | 8.43  | 8.83  | 8413NL | 0863 | H4                                | \$387.88  | 16                   | 17.00 | 17.80 | 8413NL | 1740 | H4                                | \$631.18  |
| 8                    | 8.63  | 9.08  | 8413NL | 0886 | H3                                | \$323.43  | 18                   | 17.60 | 18.40 | 8413NL | 1800 | H3                                | \$559.30  |
| 8                    | 8.63  | 9.08  | 8413NL | 0886 | H4                                | \$387.88  | 18                   | 17.60 | 18.40 | 8413NL | 1800 | H4                                | \$641.38  |
| 8                    | 8.85  | 9.25  | 8413NL | 0905 | H3                                | \$323.43  | 18                   | 19.10 | 19.90 | 8413NL | 1950 | H3                                | \$559.30  |
| 8                    | 8.85  | 9.25  | 8413NL | 0905 | H4                                | \$387.88  | 18                   | 19.10 | 19.90 | 8413NL | 1950 | H4                                | \$641.38  |
| 10                   | 10.55 | 10.95 | 8413NL | 1075 | H3                                | \$357.99  | 20                   | 21.20 | 22.00 | 8413NL | 2160 | H3                                | \$601.35  |
| 10                   | 10.55 | 10.95 | 8413NL | 1075 | H4                                | \$422.10  | 20                   | 21.20 | 22.00 | 8413NL | 2160 | H4                                | \$686.53  |
| 10                   | 10.70 | 11.16 | 8413NL | 1093 | H3                                | \$357.99  | 24                   | 23.60 | 24.40 | 8413NL | 2400 | H3                                | \$618.51  |
| 10                   | 10.70 | 11.16 | 8413NL | 1093 | H4                                | \$422.10  | 24                   | 23.60 | 24.40 | 8413NL | 2400 | H4                                | \$704.98  |
| 10                   | 10.90 | 11.30 | 8413NL | 1110 | H3                                | \$357.99  | 24                   | 25.40 | 26.20 | 8413NL | 2580 | H3                                | \$618.51  |
| 10                   | 10.90 | 11.30 | 8413NL | 1110 | H4                                | \$422.10  | 24                   | 25.40 | 26.20 | 8413NL | 2580 | H4                                | \$704.98  |

Other outlet connections  
available upon request.

Pricing in U.S. funds.

## TECK™ Repair Clamps

Stainless-Steel TECK™ repair clamps feature a fully welded bar, chemically passivated welds, anti-gall nuts, NBR taper grid pattern gasket, optional AWWA, FNPT and BSPT outlets, and optional conductivity patch. Multiple lengths and sizes are available including standard, custom, and O.D. specific diameter ranges. Please note: Repair Clamps are made to order and not returnable

### Materials

Band and Armor Plate - ASTM A240 type 304 (18-8) Stainless-Steel  
TECK™ Fingers/Lifter Plate - ASTM A240 Type 304 (18-8) Stainless-Steel  
Gasket - Nitrile (NBR) Gasket meets ASTM D2000 and NSF 61  
Studs - ASTM F593 Type 304 (18-8) Stainless-Steel  
Nuts - ASTM F594 Type 304 (18-8) Stainless-Steel PTFE coated to prevent galling  
Washers - ASME B18.22.1 Type 304 (18-8) Stainless-Steel

### Notes

- Order clamps by model numbers for example 425-0705-12TLP
- All clamps have Pipe O.D. size identification
- All clamps meet AWWA standards and are certified to NSF 61
- Rated for 150 PSI working pressure
- Belleville Washer kits (for HDPE pipe) available
- 24 hour emergency service available
- Laser etched Label for part number, description, brief instruction and manufacturing date



Lifter Plate (LP)



TECK™ Finger

- All Repair Clamps should be tested before bury
- Tighten to specified torque. Do not overtighten

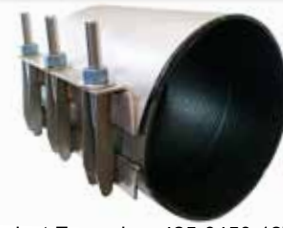
Pricing in U.S. funds.

## 425 Series TECK™ Repair Clamps

### Repair Clamps Single Section

- Different sizes and configurations available, please call for details.
- NBR gasket certified to Standard NSF 61.

Please note: Repair Clamps are made to order and not returnable



Product Example: 425-0450-12TLP  
4" x12" Finger Gasket

| Nom.<br>O.D. | O.D.<br>Pipe | Pipe Material         | O.D. Range    | Part<br>Number | Widths        |                |                |                |                |
|--------------|--------------|-----------------------|---------------|----------------|---------------|----------------|----------------|----------------|----------------|
|              |              |                       |               |                | 8"<br>Add -08 | 12"<br>Add -12 | 16"<br>Add -16 | 20"<br>Add -20 | 24"<br>Add -24 |
| 4            | 4.50         | IPS                   | 4.30 - 4.70   | 425-0450-      | \$137.97      | \$216.94       | \$235.41       | \$378.12       | \$480.18       |
| 4            |              |                       | 4.40 - 4.80   | 425-0460-      | \$137.97      | \$216.94       | \$235.41       | \$378.12       | \$480.18       |
| 4            | 4.80         | DI / C900 / cast A    | 4.60 - 5.00   | 425-0480-      | \$137.97      | \$216.94       | \$235.41       | \$378.12       | \$480.18       |
| 4            |              |                       | 4.75 - 5.15   | 425-0495-      | \$137.97      | \$216.94       | \$235.41       | \$378.12       | \$480.18       |
| 4            | 5.00         | Cast B, C, D          | 4.80 - 5.20   | 425-0500-      | \$137.97      | \$216.94       | \$235.41       | \$378.12       | \$480.18       |
| 6            |              |                       | 6.40 - 6.80   | 425-0660-      | \$164.75      | \$259.48       | \$286.27       | \$467.27       | \$561.66       |
| 6            | 6.63         | IPS                   | 6.43 - 6.83   | 425-0663-      | \$164.75      | \$259.48       | \$286.27       | \$467.27       | \$561.66       |
| 6            | 6.90         | DI / C900 / cast A    | 6.70 - 7.10   | 425-0690-      | \$164.75      | \$259.48       | \$286.27       | \$467.27       | \$561.66       |
| 6            |              |                       | 6.80 - 7.20   | 425-0700-      | \$164.75      | \$259.48       | \$286.27       | \$467.27       | \$561.66       |
| 6            |              |                       | 6.85 - 7.25   | 425-0705-      | \$164.75      | \$259.48       | \$286.27       | \$467.27       | \$561.66       |
| 6            | 7.10         | Cast B, C, D          | 6.90 - 7.30   | 425-0710-      | \$164.75      | \$259.48       | \$286.27       | \$467.27       | \$561.66       |
| 6            |              |                       | 7.10 - 7.50   | 425-0730-      | \$164.75      | \$259.48       | \$286.27       | \$467.27       | \$561.66       |
| 8            |              |                       | 8.00 - 8.40   | 425-0820-      | \$192.05      | \$303.98       | \$346.54       | \$504.34       | \$628.55       |
| 8            |              |                       | 8.40 - 8.80   | 425-0860-      | \$192.05      | \$303.98       | \$346.54       | \$504.34       | \$628.55       |
| 8            | 8.63         | IPS                   | 8.43 - 8.83   | 425-0863-      | \$192.05      | \$303.98       | \$346.54       | \$504.34       | \$628.55       |
| 8            | 9.05         | DI / C900 / cast A, B | 8.85 - 9.25   | 425-0905-      | \$192.05      | \$303.98       | \$346.54       | \$504.34       | \$628.55       |
| 8            |              |                       | 8.98 - 9.38   | 425-0918-      | \$192.05      | \$303.98       | \$346.54       | \$504.34       | \$628.55       |
| 8            | 9.30         | Cast C, D             | 9.10 - 9.50   | 425-0930-      | \$192.05      | \$303.98       | \$346.54       | \$504.34       | \$628.55       |
| 8            |              |                       | 9.30 - 9.70   | 425-0950-      | \$192.05      | \$303.98       | \$346.54       | \$504.34       | \$628.55       |
| 10           |              |                       | 10.50 - 10.90 | 425-1070-      | \$262.08      | \$407.76       | \$468.23       | \$623.05       | \$917.71       |
| 10           | 10.75        | IPS                   | 10.55 - 10.95 | 425-1075-      | \$262.08      | \$407.76       | \$468.23       | \$623.05       | \$917.71       |
| 10           | 11.10        | DI / C900 / cast A, B | 10.90 - 11.30 | 425-1110-      | \$262.08      | \$407.76       | \$468.23       | \$623.05       | \$917.71       |
| 10           |              |                       | 11.05 - 11.45 | 425-1125-      | \$262.08      | \$407.76       | \$468.23       | \$623.05       | \$917.71       |
| 10           | 11.40        | Cast C, D             | 11.20 - 11.60 | 425-1140-      | \$262.08      | \$407.76       | \$468.23       | \$623.05       | \$917.71       |
| 10           |              |                       | 11.60 - 12.00 | 425-1180-      | \$262.08      | \$407.76       | \$468.23       | \$623.05       | \$917.71       |
| 10           |              |                       | 11.85 - 12.25 | 425-1205-      | \$262.08      | \$407.76       | \$468.23       | \$623.05       | \$917.71       |
| 12           | 12.75        | IPS                   | 12.55 - 12.95 | 425-1275-      | \$297.03      | \$471.22       | \$531.85       | \$738.62       | \$1,013.82     |
| 12           | 13.20        | DI / C900 / cast A, B | 13.00 - 13.40 | 425-1320-      | \$297.03      | \$471.22       | \$531.85       | \$738.62       | \$1,013.82     |
| 12           |              |                       | 13.15 - 13.55 | 425-1335-      | \$297.03      | \$471.22       | \$531.85       | \$738.62       | \$1,013.82     |
| 12           | 13.50        | Cast C, D             | 13.30 - 13.70 | 425-1350-      | \$297.03      | \$471.22       | \$531.85       | \$738.62       | \$1,013.82     |
| 12           |              |                       | 13.40 - 13.80 | 425-1360-      | \$297.03      | \$471.22       | \$531.85       | \$738.62       | \$1,013.82     |
| 12           |              |                       | 13.80 - 14.20 | 425-1400-      | \$297.03      | \$471.22       | \$531.85       | \$738.62       | \$1,013.82     |

| Options: | Description                              | Adder Price |
|----------|--|-------------|
| T        | Taper gasket (finger gasket is standard) | N/C         |
| C        | Conductivity pad                         | \$5.18      |
| LP       | Lifter Plate Fastening System            | \$6.47      |

Pricing in U.S. funds.

- All Repair Clamps should be tested before bury
- Tighten to specified torque. Do not overtighten

## 435 Series TECK™ Repair Clamps

### Repair Clamps Single Section with Tapped Outlet

- Different sizes and configurations available, please call for details.
- NBR gasket certified to Standard NSF 61.

Please note: Repair Clamps are made to order and not returnable



Product Example: 435-0450-12-A3  
4" x 12" 3/4" CC

| Nom. O.D. | O.D. Pipe | Pipe Material     | O.D. Range    | Part Number | 8" Add -08 | 12" Add -12 | 16" Add -16 | 20" Add -20 | 24" Add -24 |
|-----------|-----------|-------------------|---------------|-------------|------------|-------------|-------------|-------------|-------------|
| 4         | 4.50      | IPS               | 4.30 - 4.70   | 435-0450-   | \$137.97   | \$216.94    | \$235.41    | \$378.12    | \$480.18    |
| 4         |           |                   | 4.40 - 4.80   | 435-0460-   | \$137.97   | \$216.94    | \$235.41    | \$378.12    | \$480.18    |
| 4         | 4.80      | DI/C900/Cast A    | 4.60 - 5.00   | 435-0480-   | \$137.97   | \$216.94    | \$235.41    | \$378.12    | \$480.18    |
| 4         |           |                   | 4.75 - 5.15   | 435-0495-   | \$137.97   | \$216.94    | \$235.41    | \$378.12    | \$480.18    |
| 4         | 5.00      | Cast B, C, D      | 4.80 - 5.20   | 435-0500-   | \$137.97   | \$216.94    | \$235.41    | \$378.12    | \$480.18    |
| 6         |           |                   | 6.40 - 6.80   | 435-0660-   | \$164.75   | \$259.48    | \$286.27    | \$467.27    | \$561.66    |
| 6         | 6.63      | IPS               | 6.43 - 6.83   | 435-0663-   | \$164.75   | \$259.48    | \$286.27    | \$467.27    | \$561.66    |
| 6         | 6.90      | DI/C900/Cast A    | 6.70 - 7.10   | 435-0690-   | \$164.75   | \$259.48    | \$286.27    | \$467.27    | \$561.66    |
| 6         |           |                   | 6.80 - 7.20   | 435-0700-   | \$164.75   | \$259.48    | \$286.27    | \$467.27    | \$561.66    |
| 6         |           |                   | 6.85 - 7.25   | 435-0705-   | \$164.75   | \$259.48    | \$286.27    | \$467.27    | \$561.66    |
| 6         | 7.10      | Cast B, C, D      | 6.90 - 7.30   | 435-0710-   | \$164.75   | \$259.48    | \$286.27    | \$467.27    | \$561.66    |
| 6         |           |                   | 7.10 - 7.50   | 435-0730-   | \$164.75   | \$259.48    | \$286.27    | \$467.27    | \$561.66    |
| 8         |           |                   | 8.00 - 8.40   | 435-0820-   | \$192.05   | \$303.98    | \$346.54    | \$504.34    | \$628.55    |
| 8         |           |                   | 8.40 - 8.80   | 435-0860-   | \$192.05   | \$303.98    | \$346.54    | \$504.34    | \$628.55    |
| 8         | 8.63      | IPS               | 8.43 - 8.83   | 435-0863-   | \$192.05   | \$303.98    | \$346.54    | \$504.34    | \$628.55    |
| 8         | 9.05      | DI/C900/Cast A, B | 8.85 - 9.25   | 435-0905-   | \$192.05   | \$303.98    | \$346.54    | \$504.34    | \$628.55    |
| 8         |           |                   | 8.98 - 9.38   | 435-0918-   | \$192.05   | \$303.98    | \$346.54    | \$504.34    | \$628.55    |
| 8         | 9.30      | Cast C, D         | 9.10 - 9.50   | 435-0930-   | \$192.05   | \$303.98    | \$346.54    | \$504.34    | \$628.55    |
| 8         |           |                   | 9.30 - 9.70   | 435-0950-   | \$192.05   | \$303.98    | \$346.54    | \$504.34    | \$628.55    |
| 10        |           |                   | 10.50 - 10.90 | 435-1070-   | \$262.08   | \$407.76    | \$468.23    | \$623.05    | \$917.71    |
| 10        | 10.75     | IPS               | 10.55 - 10.95 | 435-1075-   | \$262.08   | \$407.76    | \$468.23    | \$623.05    | \$917.71    |
| 10        | 11.10     | DI/C900/Cast A, B | 10.90 - 11.30 | 435-1110-   | \$262.08   | \$407.76    | \$468.23    | \$623.05    | \$917.71    |
| 10        |           |                   | 11.05 - 11.45 | 435-1125-   | \$262.08   | \$407.76    | \$468.23    | \$623.05    | \$917.71    |
| 10        | 11.40     | Cast C, D         | 11.20 - 11.60 | 435-1140-   | \$262.08   | \$407.76    | \$468.23    | \$623.05    | \$917.71    |
| 10        |           |                   | 11.60 - 12.00 | 435-1180-   | \$262.08   | \$407.76    | \$468.23    | \$623.05    | \$917.71    |
| 10        |           |                   | 11.85 - 12.25 | 435-1205-   | \$262.08   | \$407.76    | \$468.23    | \$623.05    | \$917.71    |
| 12        | 12.75     | IPS               | 12.55 - 12.95 | 435-1275-   | \$297.03   | \$471.22    | \$531.85    | \$738.62    | \$1,013.82  |
| 12        | 13.20     | DI/C900/Cast A, B | 13.00 - 13.40 | 435-1320-   | \$297.03   | \$471.22    | \$531.85    | \$738.62    | \$1,013.82  |
| 12        |           |                   | 13.15 - 13.55 | 435-1335-   | \$297.03   | \$471.22    | \$531.85    | \$738.62    | \$1,013.82  |
| 12        | 13.50     | Cast C, D         | 13.30 - 13.70 | 435-1350-   | \$297.03   | \$471.22    | \$531.85    | \$738.62    | \$1,013.82  |
| 12        |           |                   | 13.40 - 13.80 | 435-1360-   | \$297.03   | \$471.22    | \$531.85    | \$738.62    | \$1,013.82  |
| 12        |           |                   | 13.80 - 14.20 | 435-1400-   | \$297.03   | \$471.22    | \$531.85    | \$738.62    | \$1,013.82  |

| Options: | Description                              | Adder Price |
|----------|--|-------------|
| T        | Taper gasket (finger gasket is standard) | N/C         |
| C        | Conductivity pad                         | \$5.18      |
| LP       | Lifter Plate Fastening System            | \$6.47      |

| Outlet Suffix | Outlet Size | Adder Price FIP | Adder Price AWWA |
|---------------|-------------|-----------------|------------------|
| 3             | 3/4"        | \$73.20         | \$73.20          |
| 4             | 1"          | \$73.20         | \$73.20          |
| 5             | 1 1/4"      | \$94.48         | \$94.48          |
| 6             | 1 1/2"      | \$94.48         | \$94.48          |
| 7             | 2"          | \$104.90        | \$117.20         |

- All Repair Clamps should be tested before bury
- Tighten to specified torque. Do not overtighten

Pricing in U.S. funds.

## 825 Series TECK™ Repair Clamps

### Repair Clamps Two Sections

- Different sizes and configurations available, please call for details.
- NBR gasket certified to Standard NSF 61.

Please note: Repair Clamps are made to order and not returnable



Product Example: 825-1400-24TLP  
14" x 24" Finger Gasket with Lifter Plate Fastening System

| Nom. O.D. | Pipe O.D. | Pipe Material         | O.D. Range    | Part Number | Widths      |             |             |             |             |
|-----------|-----------|-----------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|
|           |           |                       |               |             | 12" Add -12 | 16" Add -16 | 20" Add -20 | 24" Add -24 | 32" Add -32 |
| 6         | 6.63      | IPS                   | 6.23 - 7.03   | 825-0663-   | \$353.28    | \$439.63    | \$603.17    | \$804.66    | \$939.93    |
| 6         | 6.90      | DI / C900 / cast A    | 6.50 - 7.30   | 825-0690-   | \$353.28    | \$439.63    | \$603.17    | \$804.66    | \$939.93    |
| 6         |           |                       | 6.60 - 7.40   | 825-0700-   | \$353.28    | \$439.63    | \$603.17    | \$804.66    | \$939.93    |
| 6         | 7.10      | Cast B, C, D          | 6.70 - 7.50   | 825-0710-   | \$353.28    | \$439.63    | \$603.17    | \$804.66    | \$939.93    |
| 8         | 8.63      | IPS                   | 8.23 - 9.03   | 825-0863-   | \$392.47    | \$500.99    | \$683.67    | \$918.15    | \$1,054.96  |
| 8         |           |                       | 8.60 - 9.40   | 825-0900-   | \$392.47    | \$500.99    | \$683.67    | \$918.15    | \$1,054.96  |
| 8         | 9.05      | DI / C900 / cast A, B | 8.65 - 9.45   | 825-0905-   | \$392.47    | \$500.99    | \$683.67    | \$918.15    | \$1,054.96  |
| 8         | 9.30      | Cast C, D             | 8.90 - 9.70   | 825-0930-   | \$392.47    | \$500.99    | \$683.67    | \$918.15    | \$1,054.96  |
| 10        | 10.75     | IPS                   | 10.35 - 11.15 | 825-1075-   | \$610.80    | \$629.91    | \$840.33    | \$1,129.81  | \$1,306.91  |
| 10        | 11.10     | DI / C900 / cast A, B | 10.70 - 11.50 | 825-1110-   | \$610.80    | \$629.91    | \$840.33    | \$1,129.81  | \$1,306.91  |
| 10        | 11.40     | Cast C, D             | 11.00 - 11.80 | 825-1140-   | \$610.80    | \$629.91    | \$840.33    | \$1,129.81  | \$1,306.91  |
| 12        | 12.75     | IPS                   | 12.35 - 13.15 | 825-1275-   | \$692.60    | \$711.23    | \$969.80    | \$1,253.24  | \$1,494.14  |
| 12        |           |                       | 12.72 - 13.52 | 825-1312-   | \$692.60    | \$711.23    | \$969.80    | \$1,253.24  | \$1,494.14  |
| 12        | 13.20     | DI / C900 / cast A, B | 12.80 - 13.60 | 825-1320-   | \$692.60    | \$711.23    | \$969.80    | \$1,253.24  | \$1,494.14  |
| 12        | 13.50     | Cast C, D             | 13.10 - 13.90 | 825-1350-   | \$692.60    | \$711.23    | \$969.80    | \$1,253.24  | \$1,494.14  |
| 14        | 14.00     | IPS                   | 13.60 - 14.40 | 825-1400-   | \$782.06    | \$855.01    | \$1,095.21  | \$1,415.81  | \$1,691.51  |
| 14        | 15.30     | DI / C900 / cast A, B | 14.90 - 15.70 | 825-1530-   | \$782.06    | \$855.01    | \$1,095.21  | \$1,415.81  | \$1,691.51  |
| 14        |           |                       | 15.00 - 15.80 | 825-1540-   | \$782.06    | \$855.01    | \$1,095.21  | \$1,415.81  | \$1,691.51  |
| 14        | 15.65     | Cast C, D             | 15.25 - 16.05 | 825-1565-   | \$782.06    | \$855.01    | \$1,095.21  | \$1,415.81  | \$1,691.51  |
| 16        | 16.00     | IPS                   | 15.60 - 16.40 | 825-1600-   | \$842.48    | \$936.35    | \$1,218.43  | \$1,577.29  | \$1,939.68  |
| 16        | 17.40     | DI / C900 / cast A, B | 17.00 - 17.80 | 825-1740-   | \$842.48    | \$936.35    | \$1,218.43  | \$1,577.29  | \$1,939.68  |
| 16        |           |                       | 17.20 - 18.00 | 825-1760-   | \$842.48    | \$936.35    | \$1,218.43  | \$1,577.29  | \$1,939.68  |
| 16        | 17.80     | Cast C, D             | 17.40 - 18.20 | 825-1780-   | \$842.48    | \$936.35    | \$1,218.43  | \$1,577.29  | \$1,939.68  |
| 18        | 18.00     | IPS                   | 17.60 - 18.40 | 825-1800-   | \$1,000.69  | \$1,120.43  | \$1,398.94  | \$1,816.69  | \$2,234.40  |
| 18        | 19.50     | DI / C900 / cast A, B | 19.10 - 19.90 | 825-1950-   | \$1,000.69  | \$1,120.43  | \$1,398.94  | \$1,816.69  | \$2,234.40  |
| 18        |           |                       | 19.20 - 20.00 | 825-1960-   | \$1,000.69  | \$1,120.43  | \$1,398.94  | \$1,816.69  | \$2,234.40  |
| 18        | 19.92     | Cast C, D             | 19.52 - 20.32 | 825-1992-   | \$1,000.69  | \$1,120.43  | \$1,398.94  | \$1,816.69  | \$2,234.40  |
| 20        | 20.00     | IPS                   | 19.60 - 20.40 | 825-2000-   | \$1,216.55  | \$1,367.81  | \$1,725.01  | \$2,154.65  | \$2,579.75  |
| 20        | 21.60     | DI / C900 / cast A, B | 21.20 - 22.00 | 825-2160-   | \$1,216.55  | \$1,367.81  | \$1,725.01  | \$2,154.65  | \$2,579.75  |
| 20        |           |                       | 21.40 - 22.20 | 825-2180-   | \$1,216.55  | \$1,367.81  | \$1,725.01  | \$2,154.65  | \$2,579.75  |
| 20        | 22.06     | Cast C, D             | 21.66 - 22.46 | 825-2206-   | \$1,216.55  | \$1,367.81  | \$1,725.01  | \$2,154.65  | \$2,579.75  |

| Options: | Description                              | Adder Price |
|----------|--|-------------|
| T        | Taper gasket (finger gasket is standard) | N/C         |
| C        | Conductivity pad                         | \$5.18      |
| LP       | Lifter Plate Fastening System            | \$6.47      |

Pricing in U.S. funds.

- All Repair Clamps should be tested before bury
- Tighten to specified torque. Do not overtighten



## 835 Series TECK™ Repair Clamps

### Repair Clamps (Two Sections with Tapped Outlet)

- Different sizes and configurations available, please call for details.
  - NBR gasket certified to Standard NSF 61.
- Please note: Repair Clamps are made to order and not returnable



Product Example: 835-0905-12-A7  
8" x 12" x 2" CC

| Nom. O.D. | Pipe O.D. | Pipe Material         | O.D. Range    | Part Number | Widths      |             |             |             |             |
|-----------|-----------|-----------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|
|           |           |                       |               |             | 12" Add -12 | 16" Add -16 | 20" Add -20 | 24" Add -24 | 32" Add -32 |
| 6         | 6.63      | IPS                   | 6.23 - 7.03   | 835-0663-   | \$353.28    | \$439.63    | \$603.17    | \$804.66    | \$939.93    |
| 6         | 6.90      | DI / C900 / cast A    | 6.50 - 7.30   | 835-0690-   | \$353.28    | \$439.63    | \$603.17    | \$804.66    | \$939.93    |
| 6         |           |                       | 6.60 - 7.40   | 835-0700-   | \$353.28    | \$439.63    | \$603.17    | \$804.66    | \$939.93    |
| 6         | 7.10      | Cast B, C, D          | 6.70 - 7.50   | 835-0710-   | \$353.28    | \$439.63    | \$603.17    | \$804.66    | \$939.93    |
| 8         | 8.63      | IPS                   | 8.23 - 9.03   | 835-0863-   | \$392.47    | \$500.99    | \$683.67    | \$918.15    | \$1,054.96  |
| 8         |           |                       | 8.60 - 9.40   | 835-0900-   | \$392.47    | \$500.99    | \$683.67    | \$918.15    | \$1,054.96  |
| 8         | 9.05      | DI / C900 / cast A, B | 8.65 - 9.45   | 835-0905-   | \$392.47    | \$500.99    | \$683.67    | \$918.15    | \$1,054.96  |
| 8         | 9.30      | Cast C, D             | 8.90 - 9.70   | 835-0930-   | \$392.47    | \$500.99    | \$683.67    | \$918.15    | \$1,054.96  |
| 10        | 10.75     | IPS                   | 10.35 - 11.15 | 835-1075-   | \$610.80    | \$629.91    | \$840.33    | \$1,129.81  | \$1,306.91  |
| 10        | 11.10     | DI / C900 / cast A, B | 10.70 - 11.50 | 835-1110-   | \$610.80    | \$629.91    | \$840.33    | \$1,129.81  | \$1,306.91  |
| 10        | 11.40     | Cast C, D             | 11.00 - 11.80 | 835-1140-   | \$610.80    | \$629.91    | \$840.33    | \$1,129.81  | \$1,306.91  |
| 12        | 12.75     | IPS                   | 12.35 - 13.15 | 835-1275-   | \$692.60    | \$711.23    | \$969.80    | \$1,253.24  | \$1,494.14  |
| 12        |           |                       | 12.72 - 13.52 | 835-1312-   | \$692.60    | \$711.23    | \$969.80    | \$1,253.24  | \$1,494.14  |
| 12        | 13.20     | DI / C900 / cast A, B | 12.80 - 13.60 | 835-1320-   | \$692.60    | \$711.23    | \$969.80    | \$1,253.24  | \$1,494.14  |
| 12        | 13.50     | Cast C, D             | 13.10 - 13.90 | 835-1350-   | \$692.60    | \$711.23    | \$969.80    | \$1,253.24  | \$1,494.14  |
| 14        | 14.00     | IPS                   | 13.60 - 14.40 | 835-1400-   | \$782.06    | \$855.01    | \$1,095.21  | \$1,415.81  | \$1,691.51  |
| 14        | 15.30     | DI / C900 / cast A, B | 14.90 - 15.70 | 835-1530-   | \$782.06    | \$855.01    | \$1,095.21  | \$1,415.81  | \$1,691.51  |
| 14        |           |                       | 15.00 - 15.80 | 835-1540-   | \$782.06    | \$855.01    | \$1,095.21  | \$1,415.81  | \$1,691.51  |
| 14        | 15.65     | Cast C, D             | 15.25 - 16.05 | 835-1565-   | \$782.06    | \$855.01    | \$1,095.21  | \$1,415.81  | \$1,691.51  |
| 16        | 16.00     | IPS                   | 15.60 - 16.40 | 835-1600-   | \$842.48    | \$936.35    | \$1,218.43  | \$1,577.29  | \$1,939.68  |
| 16        | 17.40     | DI / C900 / cast A, B | 17.00 - 17.80 | 835-1740-   | \$842.48    | \$936.35    | \$1,218.43  | \$1,577.29  | \$1,939.68  |
| 16        |           |                       | 17.20 - 18.00 | 835-1760-   | \$842.48    | \$936.35    | \$1,218.43  | \$1,577.29  | \$1,939.68  |
| 16        | 17.80     | Cast C, D             | 17.40 - 18.20 | 835-1780-   | \$842.48    | \$936.35    | \$1,218.43  | \$1,577.29  | \$1,939.68  |
| 18        | 18.00     | IPS                   | 17.60 - 18.40 | 835-1800-   | \$1,000.69  | \$1,120.43  | \$1,398.94  | \$1,816.69  | \$2,234.40  |
| 18        | 19.50     | DI / C900 / cast A, B | 19.10 - 19.90 | 835-1950-   | \$1,000.69  | \$1,120.43  | \$1,398.94  | \$1,816.69  | \$2,234.40  |
| 18        |           |                       | 19.20 - 20.00 | 835-1960-   | \$1,000.69  | \$1,120.43  | \$1,398.94  | \$1,816.69  | \$2,234.40  |
| 18        | 19.92     | Cast C, D             | 19.52 - 20.32 | 835-1992-   | \$1,000.69  | \$1,120.43  | \$1,398.94  | \$1,816.69  | \$2,234.40  |
| 20        | 20.00     | IPS                   | 19.60 - 20.40 | 835-2000-   | \$1,216.55  | \$1,367.81  | \$1,725.01  | \$2,154.65  | \$2,579.75  |
| 20        | 21.60     | DI / C900 / cast A, B | 21.20 - 22.00 | 835-2160-   | \$1,216.55  | \$1,367.81  | \$1,725.01  | \$2,154.65  | \$2,579.75  |
| 20        |           |                       | 21.40 - 22.20 | 835-2180-   | \$1,216.55  | \$1,367.81  | \$1,725.01  | \$2,154.65  | \$2,579.75  |
| 20        | 22.06     | Cast C, D             | 21.66 - 22.46 | 835-2206-   | \$1,216.55  | \$1,367.81  | \$1,725.01  | \$2,154.65  | \$2,579.75  |

| Options: | Description                              | Adder Price |
|----------|--|-------------|
| T        | Taper gasket (finger gasket is standard) | N/C         |
| C        | Conductivity pad                         | \$5.18      |
| LP       | Lifter Plate Fastening System            | \$6.47      |

| Outlet Suffix | Outlet Size | Adder Price FIP | Adder Price AWWA |
|---------------|-------------|-----------------|------------------|
| 3             | 3/4"        | \$73.20         | \$73.20          |
| 4             | 1"          | \$73.20         | \$73.20          |
| 5             | 1 1/4"      | \$94.48         | \$94.48          |
| 6             | 1 1/2"      | \$94.48         | \$94.48          |
| 7             | 2"          | \$104.90        | \$117.20         |

- All Repair Clamps should be tested before bury
- Tighten to specified torque. Do not overtighten

Pricing in U.S. funds.

# Saddles & Repair Clamps

## 1625 Series TECK™ Repair Clamps

### Repair Clamps Four Sections

- Different sizes and configurations available, please call for details.
- NBR gasket certified to Standard NSF 61.

Please note: Repair Clamps are made to order and not returnable



Product Example: 1625-2400-24TPL  
24" x 24" Taper Gasket with Lifter Plate Fastening System

| Nom.<br>O.D. | Pipe<br>O.D. | Pipe Material         | O.D. Range    | Part<br>Number | Widths         |                |                |                |                |
|--------------|--------------|-----------------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|
|              |              |                       |               |                | 12"<br>Add -12 | 16"<br>Add -16 | 20"<br>Add -20 | 24"<br>Add -24 | 32"<br>Add -32 |
| 24           | 24.00        | IPS                   | 23.20 - 24.80 | 1625-2400-     | \$1,392.27     | \$1,997.17     | \$2,702.73     | \$3,457.61     | \$4,555.50     |
| 24           |              |                       | 24.60 - 26.20 | 1625-2540-     | \$1,392.27     | \$1,997.17     | \$2,702.73     | \$3,457.61     | \$4,555.50     |
| 24           | 25.80        | DI / C900 / cast A, B | 25.00 - 26.60 | 1625-2580-     | \$1,392.27     | \$1,997.17     | \$2,702.73     | \$3,457.61     | \$4,555.50     |
| 24           | 26.32        | Cast C, D             | 25.52 - 27.12 | 1625-2632-     | \$1,392.27     | \$1,997.17     | \$2,702.73     | \$3,457.61     | \$4,555.50     |
| 30           | 30.00        | IPS                   | 29.20 - 30.80 | 1625-3000-     | \$1,825.55     | \$2,218.26     | \$3,057.44     | \$3,945.07     | \$4,979.60     |
| 30           | 31.74        | Cast A                | 30.94 - 32.54 | 1625-3174-     | \$1,825.55     | \$2,218.26     | \$3,057.44     | \$3,945.07     | \$4,979.60     |
| 30           | 32.00        | DI / C900 / Cast B    | 31.20 - 32.80 | 1625-3200-     | \$1,825.55     | \$2,218.26     | \$3,057.44     | \$3,945.07     | \$4,979.60     |
| 30           | 32.40        | Cast C                | 31.60 - 33.20 | 1625-3240-     | \$1,825.55     | \$2,218.26     | \$3,057.44     | \$3,945.07     | \$4,979.60     |
| 36           | 37.96        | Cast A                | 37.16 - 38.76 | 1625-3796-     | \$2,371.29     | \$3,042.20     | \$4,048.67     | \$5,092.39     | \$6,505.66     |
| 36           | 38.30        | DI / C900 / cast B    | 37.50 - 39.10 | 1625-3830-     | \$2,371.29     | \$3,042.20     | \$4,048.67     | \$5,092.39     | \$6,505.66     |
| 36           | 38.70        | Cast C                | 37.90 - 39.50 | 1625-3870-     | \$2,371.29     | \$3,042.20     | \$4,048.67     | \$5,092.39     | \$6,505.66     |
| 36           | 39.16        | Cast D                | 38.36 - 39.96 | 1625-3916-     | \$2,371.29     | \$3,042.20     | \$4,048.67     | \$5,092.39     | \$6,505.66     |

| Options: | Description                              | Adder Price |
|----------|--|-------------|
| T        | Taper gasket (finger gasket is standard) | N/C         |
| C        | Conductivity pad                         | \$5.18      |
| LP       | Lifter Plate Fastening System            | \$6.47      |

Pricing in U.S. funds.

- All Repair Clamps should be tested before bury
- Tighten to specified torque. Do not overtighten

## 1635 Series TECK™ Repair Clamps

### Repair Clamps Four Sections with Outlet

- Different sizes and configurations available, please call for details.
  - NBR gasket certified to Standard NSF 61.
- Please note: Repair Clamps are made to order and not returnable



Product Example: 1635-2400-12-A6  
24" x 12" x 1 1/2" CC Finger Gasket

| Nom. O.D. | Pipe O.D. | Pipe Material         | O.D. Range    | Part Number | Widths      |             |             |             |             |
|-----------|-----------|-----------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|
|           |           |                       |               |             | 12" Add -12 | 16" Add -16 | 20" Add -20 | 24" Add -24 | 32" Add -32 |
| 24        | 24.00     | IPS                   | 23.20 - 24.80 | 1635-2400-  | \$1,392.27  | \$1,997.17  | \$2,702.73  | \$3,457.61  | \$4,555.50  |
| 24        |           |                       | 24.60 - 26.20 | 1635-2540-  | \$1,392.27  | \$1,997.17  | \$2,702.73  | \$3,457.61  | \$4,555.50  |
| 24        | 25.80     | DI / C900 / cast A, B | 25.00 - 26.60 | 1635-2580-  | \$1,392.27  | \$1,997.17  | \$2,702.73  | \$3,457.61  | \$4,555.50  |
| 24        | 26.32     | Cast C, D             | 25.52 - 27.12 | 1635-2632-  | \$1,392.27  | \$1,997.17  | \$2,702.73  | \$3,457.61  | \$4,555.50  |
| 30        | 30.00     | IPS                   | 29.20 - 30.80 | 1635-3000-  | \$1,825.55  | \$2,218.26  | \$3,057.44  | \$3,945.07  | \$4,979.60  |
| 30        | 31.74     | Cast A                | 30.94 - 32.54 | 1635-3174-  | \$1,825.55  | \$2,218.26  | \$3,057.44  | \$3,945.07  | \$4,979.60  |
| 30        | 32.00     | DI / C900 / cast B    | 31.20 - 32.80 | 1635-3200-  | \$1,825.55  | \$2,218.26  | \$3,057.44  | \$3,945.07  | \$4,979.60  |
| 30        | 32.40     | Cast C                | 31.60 - 33.20 | 1635-3240-  | \$1,825.55  | \$2,218.26  | \$3,057.44  | \$3,945.07  | \$4,979.60  |
| 36        | 37.96     | Cast A                | 37.16 - 38.76 | 1635-3796-  | \$2,371.29  | \$3,042.20  | \$4,048.67  | \$5,092.39  | \$6,505.66  |
| 36        | 38.30     | DI / C900 / cast B    | 37.50 - 39.10 | 1635-3830-  | \$2,371.29  | \$3,042.20  | \$4,048.67  | \$5,092.39  | \$6,505.66  |
| 36        | 38.70     | Cast C                | 37.90 - 39.50 | 1635-3870-  | \$2,371.29  | \$3,042.20  | \$4,048.67  | \$5,092.39  | \$6,505.66  |
| 36        | 39.16     | Cast D                | 38.36 - 39.96 | 1635-3916-  | \$2,371.29  | \$3,042.20  | \$4,048.67  | \$5,092.39  | \$6,505.66  |

| Options: | Description                              | Adder Price |
|----------|--|-------------|
| T        | Taper gasket (finger gasket is standard) | N/C         |
| C        | Conductivity pad                         | \$5.18      |
| LP       | Lifter Plate Fastening System            | \$6.47      |

| Outlet Suffix | Outlet Size | Adder Price FIP | Adder Price AWWA |
|---------------|-------------|-----------------|------------------|
| 3             | 3/4"        | \$73.20         | \$73.20          |
| 4             | 1"          | \$73.20         | \$73.20          |
| 5             | 1 1/4"      | \$94.48         | \$94.48          |
| 6             | 1 1/2"      | \$94.48         | \$94.48          |
| 7             | 2"          | \$104.90        | \$117.20         |

## 8600 Series TECK™ Two Piece Stainless-Steel

### Termination Sleeve for 6" Diameter

The TECK™ Stainless-Steel termination sleeves are used to seal off and protect decommissioned corporation stops, in direct tap applications. TECK™ termination sleeves feature chemically passivated welds, Teflon coated nuts & NBR gasket. Currently available for 6" diameter pipe that terminates valves from 1/2" to 1", with additional sizes to be offered shortly. Installation instructions are provided with each termination sleeve. Please read and follow instructions to ensure long lasting performance.

| Nom. O.D. | O.D. Pipe | O.D. Range  | Sleeve Width | Terminates Valves | Outlet Size Code | Part Number   | Price      |
|-----------|-----------|-------------|--------------|-------------------|------------------|---------------|------------|
| 6         | 6.90      | 6.50"-7.30" | 8"           | 1/2" to 1"        | 4                | 8600-0690-8-4 | \$1,333.97 |



- All Repair Clamps should be tested before bury
- Tighten to specified torque. Do not overtighten

Pricing in U.S. funds.

# Saddles & Repair Clamps

## Dimension Tables

| PIPE<br>SIZE | PVC<br>STEEL SIZE | PVC<br>C900 | CAST IRON<br>CLASSES |                       |       | ASBESTOS-CEMENT<br>MACHINED |          |                                | STEEL |       |
|--------------|-------------------|-------------|----------------------|-----------------------|-------|-----------------------------|----------|--------------------------------|-------|-------|
|              | O.D.              | O.D.        | PIT                  | SPUN                  | O.D.  | CLASS                       | END O.D. | ROUGH-BARREL<br>O.D. (MIN-MAX) | TYPE  | O.D.  |
| 1/2"         | .84               |             |                      |                       |       |                             |          |                                | STD   | .84   |
| 3/4"         | 1.05              |             |                      |                       |       |                             |          |                                | STD   | 1.05  |
| 1"           | 1.32              |             |                      |                       |       |                             |          |                                | STD   | 1.32  |
| 1 1/4"       | 1.66              |             |                      |                       |       |                             |          |                                | STD   | 1.66  |
| 1 1/2"       | 1.90              |             |                      |                       |       |                             |          |                                | STD   | 1.90  |
| 2"           | 2.38              | 2.50        |                      |                       | 2.50  |                             |          |                                | STD   | 2.38  |
| 2 1/2"       | 2.88              |             |                      |                       |       |                             |          |                                | STD   | 2.88  |
| 3"           | 3.50              |             | A<br>B,C,D           | 50 - 350              | 3.80  | 100                         | 3.74     | 4.00                           | O.D.  | 3.00  |
|              |                   |             |                      |                       | 3.96  | 150                         | 3.84     | 4.10                           | STD   | 3.50  |
|              |                   |             |                      |                       |       | 200                         | 3.84     | 4.29                           |       |       |
| 3 1/2"       |                   |             |                      |                       |       |                             |          |                                | STD   | 4.00  |
| 4"           | 4.50              | 4.80        | A<br>B,C,D           | 50 - 350              | 4.80  | 100                         | 4.64     | 4.79 - 5.14                    | O.D.  | 4.00  |
|              |                   |             |                      |                       | 5.00  | 150                         | 4.81     | 4.97 - 5.27                    | STD   | 4.50  |
|              |                   |             |                      |                       |       | 200                         | 4.81     | 5.22 - 5.57                    |       |       |
| 4 1/2"       |                   |             |                      |                       |       |                             |          |                                | STD   | 5.00  |
| 5"           |                   |             |                      |                       |       |                             |          |                                | STD   | 5.56  |
| 6"           | 6.63              | 6.90        | A<br>B,C,D<br>E,F    | 50 - 350              | 6.90  | 100                         | 6.91     | 7.05 - 7.40                    | O.D.  | 6.00  |
|              |                   |             |                      |                       | 7.10  | 150                         | 6.91     | 7.07 - 7.37                    | STD   | 6.63  |
|              |                   |             |                      |                       | 7.22  | 200                         | 6.91     | 7.26 - 7.56                    |       |       |
| 7"           |                   |             |                      |                       |       |                             |          |                                | STD   | 7.63  |
| 8"           | 8.63              | 9.05        | A,B<br>C,D<br>E,F    | 50 - 300<br>350       | 9.05  | 100                         | 9.11     | 9.22 - 9.57                    | O.D.  | 8.00  |
|              |                   |             |                      |                       | 9.30  | 150                         | 9.11     | 9.27 - 9.57                    | STD   | 8.63  |
|              |                   |             |                      |                       | 9.42  | 200                         | 9.11     | 9.39 - 9.74                    |       |       |
| 9"           |                   |             |                      |                       |       |                             |          |                                | STD   | 9.63  |
| 10"          | 10.75             | 11.10       | A,B<br>C,D<br>E,F    | 50 - 200<br>250 - 350 | 11.10 | 100                         | 11.24    | 11.42 - 11.77                  | O.D.  | 10.00 |
|              |                   |             |                      |                       | 11.40 | 150                         | 11.66    | 11.82 - 12.12                  | STD   | 10.75 |
|              |                   |             |                      |                       | 11.60 | 200                         | 11.66    | 11.77 - 12.12                  |       |       |
| 12"          | 12.75             | 13.20       | A,B<br>C,D<br>E,F    | 50 - 200<br>250 - 350 | 13.20 | 100                         | 13.44    | 13.69 - 14.04                  | O.D.  | 12.00 |
|              |                   |             |                      |                       | 13.50 | 150                         | 13.92    | 14.08 - 14.38                  | STD   | 12.75 |
|              |                   |             |                      |                       | 13.76 | 200                         | 13.92    | 14.03 - 14.38                  |       |       |
| 14"          | 14.00             | 15.30       | A,B<br>C,D<br>E,F    | 50 - 100<br>150 - 300 | 15.30 | 100                         | 15.07    | 15.40 - 15.80                  | O.D.  | 14.00 |
|              |                   |             |                      |                       | 15.65 | 150                         | 16.22    | 16.38 - 16.73                  |       |       |
|              |                   |             |                      |                       | 15.98 | 200                         | 16.22    | 16.48 - 16.88                  |       |       |
| 16"          | 16.00             | 17.40       | A,B<br>C,D<br>E,F    | 50 - 100<br>150 - 300 | 17.40 | 100                         | 17.14    | 17.54 - 17.94                  | O.D.  | 16.00 |
|              |                   |             |                      |                       | 17.80 | 150                         | 18.46    | 18.62 - 18.97                  |       |       |
|              |                   |             |                      |                       | 18.16 | 200                         | 18.46    | 18.79 - 19.19                  |       |       |
| 18"          | 18.00             | 19.50       | A,B<br>C,D           | 50 - 100<br>150 - 250 | 19.50 | 100                         | 19.90    | 20.44                          | STD   | 18.00 |
|              |                   |             |                      |                       | 19.92 | 150                         | 20.94    | 21.20                          |       |       |
| 20"          | 20.00             | 21.60       | A,B<br>C,D           | 50 - 100<br>150 - 200 | 21.60 | 100                         | 22.12    | 22.50                          | STD   | 20.00 |
|              |                   |             |                      |                       | 22.06 | 150                         | 23.28    | 23.54                          |       |       |
| 22"          |                   |             |                      |                       |       |                             |          |                                | STD   | 22.00 |
| 24"          | 24.00             | 25.80       | A,B<br>C,D           | 50 - 100<br>150 - 250 | 25.80 | 100                         | 26.48    | 27.17                          | STD   | 24.00 |
|              |                   |             |                      |                       | 26.32 | 150                         | 27.96    | 28.22                          |       |       |
| 30"          | 30.00             | 32.00       | A,B<br>C,D           | 50 - 100<br>150 - 250 | 32.00 |                             |          |                                | STD   | 30.00 |
|              |                   |             |                      |                       | 32.74 |                             |          |                                |       |       |

Pricing in U.S. funds.



# CAMBRIDGE BRASS<sup>TM</sup> INC



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## Curb Stops

2025





## Curb Stops - Part Number Format

Ball Valve Curb Stops come standard with a 90° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Curb Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.

### Part Number Format

**Example: 1" CB x CB Compression Ball Curb Stop = 202NL - H 4 H 4**

| Series Number                           | Inlet Connection             | Inlet Size | Outlet Connection              | Outlet Size |
|---|------------------------------|------------|--------------------------------|-------------|
| 32NL= Compression Stop and Drain        | H = CB Compression           | 1 = 1/2"   | H = CB Compression             | 1 = 1/2"    |
| 202NL = Curb Stop                       | B = Campak                   | 2 = 5/8"   | B = Campak                     | 2 = 5/8"    |
| 203NL = Curb Stop with Drain            | J = Haystite                 | 3 = 3/4"   | J = Haystite                   | 3 = 3/4"    |
| 204NL = Reduced Port Curb Stop          | C = Copper Flare             | 4 = 1"     | C = Copper Flare               | 4 = 1"      |
| 252NL = Full Port Open Right            | K = C903 Compression         | 5 = 1 1/4" | K = C903 Compression           | 5 = 1 1/4"  |
| 253NL = Full Port Open Right with Drain | F = Female Iron Pipe         | 6 = 1 1/2" | F = Female Iron Pipe           | 6 = 1 1/2"  |
| 262NL = Minneapolis Pattern             | PE = PEP Campak              | 7 = 2"     | T = Swivel Nut                 | 7 = 2"      |
| 263NL = Minneapolis Pattern with Drain  | PJ = PVC Campak              |            | HE = CB Compression Elec. Tail |             |
| 272NL = Double Curb Stop                | GJ = Grip Joint              |            | CE = Copper Flare Elec. Tail   |             |
| 273NL = Double Curb Stop with Drain     | HE = CB Comp. Elec. Tail     |            | MF = Meter Flange              |             |
|   | CE = Copper Flare Elec. Tail |            | PE = PEP Campak                |             |
|   | KE = C903 Elec. Tail         |            | PJ = PVC Campak                |             |
|   | IP = Iron Pipe Connection    |            | GJ = Grip Joint                |             |
|   |                              |            | IP = Iron Pipe Compression     |             |
|   |                              |            | SR = Yoke Connection           |             |

Pricing in U.S. funds.



## Ball Valves - Full Port

Rated for 300 PSIG

Ball Valve Curb Stops come standard with a 90° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Curb Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.

### Series 202NL

Campak x Campak Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 202NL-B1B1  | 1/2"       | 1/2"        | 2.5            | 5       | \$139.00 |
| 202NL-B2B2  | 5/8"       | 5/8"        | 2.5            | 5       | \$132.58 |
| 202NL-B3B3  | 3/4"       | 3/4"        | 2.5            | 8       | \$154.08 |
| 202NL-B4B4  | 1"         | 1"          | 3.7            | 5       | \$231.70 |
| 202NL-B5B5  | 1 1/4"     | 1 1/4"      | 9.8            | 2       | \$367.32 |
| 202NL-B6B6  | 1 1/2"     | 1 1/2"      | 9.8            | 2       | \$554.10 |
| 202NL-B7B7  | 2"         | 2"          | 14.0           | 1       | \$778.94 |

### Series 202NL

Campak Compression x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 202NL-B2F3  | 5/8"       | 3/4"        | 2.0            | 10      | \$173.65 |
| 202NL-B3F3  | 3/4"       | 3/4"        | 2.1            | 10      | \$135.31 |
| 202NL-B4F4  | 1"         | 1"          | 6.3            | 6       | \$207.70 |
| 202NL-B6F6  | 1 1/2"     | 1 1/2"      | 10.6           | 2       | \$452.37 |
| 202NL-B7F7  | 2"         | 2"          | 13.9           | 2       | \$628.96 |

### Series 202NL

Copper Flare x Copper Flare



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 202NL-C3C3  | 3/4"       | 3/4"        | 2.7            | 8       | \$156.10 |
| 202NL-C4C4  | 1"         | 1"          | 4.0            | 5       | \$215.51 |
| 202NL-C5C5  | 1 1/4"     | 1 1/4"      | 10.7           | 2       | \$367.13 |
| 202NL-C6C6  | 1 1/2"     | 1 1/2"      | 12.0           | 2       | \$523.61 |
| 202NL-C7C7  | 2"         | 2"          | 18.5           | 2       | \$857.13 |

### Series 202NL

Copper Flare x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 202NL-C3F1  | 3/4"       | 1/2"        | 2.0            | 10      | \$141.50 |
| 202NL-C3F3  | 3/4"       | 3/4"        | 2.1            | 10      | \$141.50 |
| 202NL-C4F4  | 1"         | 1"          | 6.1            | 6       | \$199.82 |
| 202NL-C5F5  | 1 1/4"     | 1 1/4"      | 8.1            | 2       | \$335.27 |
| 202NL-C6F6  | 1 1/2"     | 1 1/2"      | 9.7            | 2       | \$452.37 |
| 202NL-C7F7  | 2"         | 2"          | 12.3           | 1       | \$664.18 |

### Series 202NL

FIP x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 202NL-F1F1  | 1/2"       | 1/2"        | 1.1            | 20      | \$111.22 |
| 202NL-F3F3  | 3/4"       | 3/4"        | 1.7            | 12      | \$119.69 |
| 202NL-F4F4  | 1"         | 1"          | 2.6            | 10      | \$186.00 |
| 202NL-F5F5  | 1 1/4"     | 1 1/4"      | 6.8            | 2       | \$303.12 |
| 202NL-F6F6  | 1 1/2"     | 1 1/2"      | 6.6            | 2       | \$380.91 |
| 202NL-F7F7  | 2"         | 2"          | 9.2            | 1       | \$557.06 |

### Series 202NL

Grip Joint x Grip Joint Compression



| Part Number  | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|--------------|------------|-------------|----------------|---------|----------|
| 202NL-GJ3GJ3 | 3/4"       | 3/4"        | 2.5            | 10      | \$154.08 |
| 202NL-GJ4GJ4 | 1"         | 1"          | 2.7            | 5       | \$231.70 |
| 202NL-GJ6GJ6 | 1 1/2"     | 1 1/2"      | 9.9            | 1       | \$537.95 |
| 202NL-GJ7GJ7 | 2"         | 2"          | 13             | 2       | \$756.26 |

- Insert stiffeners are required for connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number & add \$3.20 to the price

Pricing in U.S. funds.

## Ball Valves - Full Port

Rated for 300 PSIG

Ball Valve Curb Stops come standard with a 90° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two Teflon ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Curb Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) standard and NSF 61 & 372 standards, except where noted.

### Series 202NL

CB Compression x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 202NL-H2F3  | 5/8"       | 3/4"        | 2.0            | 10      | \$173.65 |
| 202NL-H3F3  | 3/4"       | 3/4"        | 2.1            | 10      | \$135.31 |
| 202NL-H4F4  | 1"         | 1"          | 3.1            | 6       | \$207.70 |
| 202NL-H5F5  | 1 1/4"     | 1 1/4"      | 8.2            | 2       | \$290.55 |
| 202NL-H6F6  | 1 1/2"     | 1 1/2"      | 7.8            | 2       | \$452.37 |
| 202NL-H7F7  | 2"         | 2"          | 10.7           | 2       | \$628.96 |

### Series 202NL

CB x CB Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 202NL-H1H1  | 1/2"       | 1/2"        | 2.0            | 10      | \$139.00 |
| 202NL-H2H2  | 5/8"       | 5/8"        | 2.3            | 10      | \$132.58 |
| 202NL-H3H1  | 3/4"       | 1/2"        | 2.4            | 8       | \$132.58 |
| 202NL-H3H3  | 3/4"       | 3/4"        | 2.5            | 10      | \$154.08 |
| 202NL-H4H1  | 1"         | 1/2"        | 2.5            | 5       | \$273.99 |
| 202NL-H4H3  | 1"         | 3/4"        | 2.5            | 6       | \$193.34 |
| 202NL-H4H4  | 1"         | 1"          | 3.9            | 5       | \$231.70 |
| 202NL-H5H5  | 1 1/4"     | 1 1/4"      | 9.8            | 2       | \$367.32 |
| 202NL-H6H6  | 1 1/2"     | 1 1/2"      | 9.3            | 2       | \$554.10 |
| 202NL-H7H7  | 2"         | 2"          | 12.5           | 2       | \$778.94 |

### Series 202NL

CB x CB Compression Insulated



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 202NL-H3HI3 | 3/4"       | 3/4"        | 3.5            | 5       | \$215.12 |
| 202NL-H4HI4 | 1"         | 1"          | 5.8            | 5       | \$309.23 |

### Series 202NL

CB Compression Insulated x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 202NL-HI3F3 | 3/4"       | 3/4"        | 3.3            | 5       | \$323.96 |
| 202NL-HI4F4 | 1"         | 1"          | 5.6            | 5       | \$337.19 |
| 202NL-HI6F6 | 1 1/2"     | 1 1/2"      | 13.8           | 2       | \$583.32 |
| 202NL-HI7F7 | 2"         | 2"          | 19.0           | 2       | \$810.95 |

### Series 202NL

CB x CB Compression Electrical Connection



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 202NL-H3HE3 | 3/4"       | 3/4"        | 2.7            | 10      | \$160.79 |
| 202NL-H4HE4 | 1"         | 1"          | 4.0            | 5       | \$246.12 |
| 202NL-H6HE6 | 1 1/2"     | 1 1/2"      | 12.0           | 2       | \$575.86 |
| 202NL-H7HE7 | 2"         | 2"          | 13.5           | 2       | \$805.30 |

### Series 202NL

CB x CB Compression



| Part Number   | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|---------------|------------|-------------|----------------|---------|----------|
| 202NL-H3HE3LV | 3/4"       | 3/4"        |                |         | \$207.71 |

### Series 202NL

Campak x Campak Compression



| Part Number  | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|--------------|------------|-------------|----------------|---------|----------|
| 202NL-B3B3LV | 3/4"       | 3/4"        |                |         | \$207.71 |

Pricing in U.S. funds.

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number & add \$3.20 to the price

## Ball Valves - Full Port

Rated for 300 PSIG

Ball Valve Curb Stops come standard with a 90° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Curb Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.

### Series 202NL

Haystite x Haystite Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 202NL-J3J3  | 3/4"       | 3/4"        | 3.8            | 10      | \$154.08 |
| 202NL-J4J4  | 1"         | 1"          | 6.8            | 4       | \$231.70 |

### Series 202NL

C903 Electrical Tail x CB Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 202NL-KE3H3 | 3/4"       | 3/4"        | 2.8            | 8       | \$200.64 |
| 202NL-KE4H4 | 1"         | 1"          | 4.2            | 5       | \$287.24 |

### Series 202NL

Haystite Compression x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 202NL-J3F3  | 3/4"       | 3/4"        | 3.1            | 10      | \$135.25 |
| 202NL-J4F4  | 1"         | 1"          | 6.3            | 6       | \$207.70 |

### Series 202NL

C903 x CB Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 202NL-K3H3  | 3/4"       | 3/4"        | 2.6            | 10      | \$188.76 |
| 202NL-K4H4  | 1"         | 1"          | 4.0            | 5       | \$279.34 |

### Series 202NL

C903 x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 202NL-K3F3  | 3/4"       | 3/4"        | 2.2            | 10      | \$169.96 |
| 202NL-K4F4  | 1"         | 1"          | 6.3            | 8       | \$255.52 |

### Series 202NL

C903 x C903



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 202NL-K3K3  | 3/4"       | 3/4"        | 2.7            | 8       | \$223.52 |
| 202NL-K4K4  | 1"         | 1"          | 4.2            | 5       | \$327.16 |

### Series 202NL

C903 Electrical Tail (Both Ends)



| Part Number  | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|--------------|------------|-------------|----------------|---------|----------|
| 202NL-KE3KE3 | 3/4"       | 3/4"        | 2.9            | 8       | \$243.90 |
| 202NL-KE4KE4 | 1"         | 1"          | 4.3            | 5       | \$334.45 |

### Series 202NL

PEP Size Compression x PEP Size Compression (PE SIDR7)



| Part Number  | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|--------------|------------|-------------|----------------|---------|----------|
| 202NL-PE3PE3 | 3/4"       | 3/4"        | 2.5            | 6       | \$195.77 |
| 202NL-PE4PE4 | 1"         | 1"          | 4.3            | 4       | \$298.14 |
| 202NL-PE5PE5 | 1 1/4"     | 1 1/4"      | 7.6            | 2       | \$477.76 |
| 202NL-PE6PE6 | 1 1/2"     | 1 1/2"      | 13.0           | 2       | \$575.43 |
| 202NL-PE7PE7 | 2"         | 2"          | 12.0           | 1       | \$888.70 |

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number & add \$3.20 to the price

Pricing in U.S. funds.

## Ball Valves - Full Port

Rated for 300 PSIG

Ball Valve Curb Stops come standard with a 90° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Curb Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.

### Series 202NL

PEP Size Compression  
(PE SDR7) x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 202NL-PE3F3 | 3/4"       | 3/4"        | 1.9            | 6       | \$158.80 |
| 202NL-PE4F4 | 1"         | 1"          | 3.0            | 5       | \$225.50 |
| 202NL-PE5F5 | 1 1/4"     | 1 1/4"      | 6.0            | 2       | \$374.30 |
| 202NL-PE6F6 | 1 1/2"     | 1 1/2"      | 6.0            | 2       | \$492.37 |
| 202NL-PE7F7 | 2"         | 2"          | 9.6            | 2       | \$753.63 |

### Series 202NL

PVC Compression (IPS) x  
PVC Size Compression (IPS)



| Part Number  | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|--------------|------------|-------------|----------------|---------|----------|
| 202NL-PJ3PJ3 | 3/4"       | 3/4"        | 2.5            | 6       | \$195.77 |
| 202NL-PJ4PJ4 | 1"         | 1"          | 4.3            | 5       | \$298.14 |
| 202NL-PJ5PJ5 | 1 1/4"     | 1 1/4"      | 7.6            | 2       | \$455.27 |
| 202NL-PJ6PJ6 | 1 1/2"     | 1 1/2"      | 13.0           | 2       | \$571.58 |
| 202NL-PJ7PJ7 | 2"         | 2"          | 12.0           | 2       | \$857.13 |

### Series 202NL

PVC Compression (IPS) x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 202NL-PJ3F3 | 3/4"       | 3/4"        | 1.9            | 6       | \$158.80 |
| 202NL-PJ4F4 | 1"         | 1"          | 3.0            | 5       | \$225.50 |
| 202NL-PJ5F5 | 1 1/4"     | 1 1/4"      | 6.0            | 2       | \$368.00 |
| 202NL-PJ6F6 | 1 1/2"     | 1 1/2"      | 6.0            | 2       | \$476.08 |
| 202NL-PJ7F7 | 2"         | 2"          | 9.6            | 2       | \$664.18 |

Pricing in U.S. funds.

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number & add \$3.20 to the price

## Globe Valve

### Rated for 125 PSIG

These units have a wheel handle for shutoff and utilize a compression type seal.



#### Series 32NL

Compression x FIP

| Part Number                    | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|--------------------------------|------------|-------------|----------------|---------|----------|
| CB Compression x FIP 32NL-H3F3 | 3/4"       | 3/4"        | 1.1            | 10      | \$117.76 |
| Campak x FIP 32NL- B3F3        | 3/4"       | 3/4"        | 1.3            | 10      | \$117.76 |
| C903 x FIP 32NL-K3F3           | 3/4"       | 3/4"        | 1.2            | 10      | \$155.34 |



#### Series 32NL

Copper Flare x FIP

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 32NL-C3F3   | 3/4"       | 3/4"        | 1.1            | 10      | \$114.28 |



#### Series 32NL

Copper Flare x Solder

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 32NL-C3S3   | 3/4"       | 3/4"        | 1.2            | 10      | \$114.28 |

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number & add \$3.20 to the price

Pricing in U.S. funds.

## Ball Valves - Full Port with Drain

Rated for 300 PSIG

Ball Valve Curb Stops come standard with a 90° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Curb Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted. The suffix "W" signifies a check valve is included. These units are typically used in applications where the down stream side of the waterline needs to be drained when the valve is shut off. All ball valves with a drain are directional.

### Series 203NL

Campak x Campak Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 203NL-B3B3  | 3/4"       | 3/4"        | 3.8            | 8       | \$193.34 |
| 203NL-B4B4  | 1"         | 1"          | 6.8            | 5       | \$270.90 |
| 203NL-B6B6  | 1 1/2"     | 1 1/2"      | 12.0           | 2       | \$683.91 |
| 203NL-B7B7  | 2"         | 2"          | 17.0           | 1       | \$908.82 |

### Series 203NL

Copper Flare x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 203NL-C3F1  | 3/4"       | 1/2"        | 1.9            | 10      | \$180.84 |
| 203NL-C3F3  | 3/4"       | 3/4"        | 2.1            | 10      | \$180.84 |
| 203NL-C4F4  | 1"         | 1"          | 3.8            | 6       | \$232.09 |
| 203NL-C5F5  | 1 1/4"     | 1 1/4"      | 8.1            | 2       | \$408.66 |
| 203NL-C6F6  | 1 1/2"     | 1 1/2"      | 11.5           | 2       | \$511.77 |
| 203NL-C7F7  | 2"         | 2"          | 17.5           | 2       | \$698.03 |

### Series 203NL

Campak Compression x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 203NL-B3F3  | 3/4"       | 3/4"        | 3.1            | 10      | \$174.55 |
| 203NL-B4F4  | 1"         | 1"          | 6.3            | 6       | \$246.99 |
| 203NL-B6F6  | 1 1/2"     | 1 1/2"      | 10.8           | 2       | \$558.91 |
| 203NL-B7F7  | 2"         | 2"          | 13.9           | 2       | \$729.35 |

### Series 203NL

FIP x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 203NL-F3F3  | 3/4"       | 3/4"        | 1.7            | 12      | \$159.01 |
| 203NL-F4F4  | 1"         | 1"          | 2.5            | 10      | \$225.39 |
| 203NL-F5F5  | 1 1/4"     | 1 1/4"      | 6.8            | 2       | \$432.88 |
| 203NL-F6F6  | 1 1/2"     | 1 1/2"      | 6.5            | 2       | \$510.71 |
| 203NL-F7F7  | 2"         | 2"          | 9.2            | 2       | \$686.91 |

### Series 203NL

Copper Flare x Copper Flare



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 203NL-C3C3  | 3/4"       | 3/4"        | 2.3            | 8       | \$195.32 |
| 203NL-C4C4  | 1"         | 1"          | 3.9            | 5       | \$254.89 |
| 203NL-C5C5  | 1 1/4"     | 1 1/4"      | 11.5           | 2       | \$436.63 |
| 203NL-C6C6  | 1 1/2"     | 1 1/2"      | 12.0           | 2       | \$653.45 |
| 203NL-C7C7  | 2"         | 2"          | 18.3           | 1       | \$986.94 |

### Series 203NL

Haystite x Haystite Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 203NL-J3J3  | 3/4"       | 3/4"        | 3.8            | 10      | \$193.34   |
| 203NL-J4J4  | 1"         | 1"          | 6.8            | 4       | \$270.90   |

Pricing in U.S. funds.

- For a check valve on a curb stop with drain 203NL series add "W" at the end of the part number & add \$116.62 to the price
- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number & add \$3.20 to the price



## Ball Valves - Full Port with Drain

Rated for 300 PSIG

Ball Valve Curb Stops come standard with a 90° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Curb Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted. The suffix "W" signifies a check valve is included. These units are typically used in applications where the down stream side of the waterline needs to be drained when the valve is shut off. All ball valves with a drain are directional.

### Series 203NL

Grip Joint x Grip Joint Compression



| Part Number  | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|--------------|------------|-------------|----------------|---------|----------|
| 203NL-GJ3GJ3 | 3/4"       | 3/4"        | 2.5            | 10      | \$193.34 |
| 203NL-GJ4GJ4 | 1"         | 1"          | 2.7            | 5       | \$270.90 |
| 203NL-GJ6GJ6 | 1 1/2"     | 1 1/2"      | 9.9            | 1       | \$663.98 |
| 203NL-GJ7GJ7 | 2"         | 2"          | 13             | 2       | \$882.34 |

### Series 203NL

CB x CB Compression  
Electrical Connection



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 203NL-H3HE3 | 3/4"       | 3/4"        | 3.2            | 10      | \$200.13 |
| 203NL-H4HE4 | 1"         | 1"          | 4.0            | 5       | \$279.50 |
| 203NL-H6HE6 | 1 1/2"     | 1 1/2"      | 12             | 2       | \$705.68 |
| 203NL-H7HE7 | 2"         | 2"          | 17             | 2       | \$935.15 |

### Series 203NL

CB Compression x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 203NL-H3F3  | 3/4"       | 3/4"        | 2.0            | 10      | \$174.55 |
| 203NL-H4F4  | 1"         | 1"          | 3.0            | 6       | \$246.99 |
| 203NL-H5F5  | 1 1/4"     | 1 1/4"      | 10.8           | 2       | \$408.68 |
| 203NL-H6F6  | 1 1/2"     | 1 1/2"      | 7.8            | 2       | \$558.91 |
| 203NL-H7F7  | 2"         | 2"          | 10.8           | 2       | \$729.35 |

### Series 203NL

Haystite x Haystite Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 203NL-J3J3  | 3/4"       | 3/4"        | 3.8            | 10      | \$193.34 |
| 203NL-J4J4  | 1"         | 1"          | 6.8            | 4       | \$270.90 |

### Series 203NL

CB x CB Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 203NL-H3H3  | 3/4"       | 3/4"        | 2.4            | 10      | \$193.34 |
| 203NL-H4H4  | 1"         | 1"          | 3.8            | 5       | \$270.90 |
| 203NL-H5H5  | 1 1/4"     | 1 1/4"      | 10.6           | 2       | \$436.63 |
| 203NL-H6H6  | 1 1/2"     | 1 1/2"      | 9.3            | 2       | \$683.91 |
| 203NL-H7H7  | 2"         | 2"          | 12.3           | 2       | \$908.82 |

### Series 203NL

Haystite Compression x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 203NL-J3F3  | 3/4"       | 3/4"        | 3.1            | 10      | \$174.55 |
| 203NL-J4F4  | 1"         | 1"          | 6.3            | 6       | \$246.99 |

- For a check valve on a curb stop with drain 203NL series add "W" at the end of the part number & add \$116.62 to the price
- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number & add \$3.20 to the price

Pricing in U.S. funds.

## Ball Valves - Full Port with Drain

Rated for 300 PSIG

Ball Valve Curb Stops come standard with a 90° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Curb Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted. The suffix "W" signifies a check valve is included. These units are typically used in applications where the down stream side of the waterline needs to be drained when the valve is shut off. All ball valves with a drain are directional.

### Series 203NL

C903 x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 203NL-K3F3  | 3/4"       | 3/4"        | 3.1            | 10      | \$209.30 |
| 203NL-K4F4  | 1"         | 1"          | 6.3            | 6       | \$294.80 |

### Series 203NL

C903 x CB Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 203NL-K3H3  | 3/4"       | 3/4"        | 2.6            | 10      | \$228.07 |
| 203NL-K4H4  | 1"         | 1"          | 4.4            | 5       | \$318.72 |

### Series 203NL

C903 x C903



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 203NL-K3K3  | 3/4"       | 3/4"        | 2.7            | 8       | \$262.85 |
| 203NL-K4K4  | 1"         | 1"          | 4.2            | 5       | \$362.08 |

### Series 203NL

PVC Compression (IPS) x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 203NL-PJ3F3 | 3/4"       | 3/4"        | 1.9            | 6       | \$216.66 |
| 203NL-PJ4F4 | 1"         | 1"          | 3.0            | 5       | \$279.91 |
| 203NL-PJ6F6 | 1 1/2"     | 1 1/2"      | 6.0            | 2       | \$605.83 |
| 203NL-PJ7F7 | 2"         | 2"          | 9.6            | 2       | \$793.88 |

### Series 203NL

PEP Size Compression x PEP Size Compression (PE SDR7)



| Part Number  | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price      |
|--------------|------------|-------------|----------------|---------|------------|
| 203NL-PE3PE3 | 3/4"       | 3/4"        | 2.7            | 6       | \$257.06   |
| 203NL-PE4PE4 | 1"         | 1"          | 4.5            | 5       | \$369.03   |
| 203NL-PE6PE6 | 1 1/2"     | 1 1/2"      | 13.2           | 2       | \$733.81   |
| 203NL-PE7PE7 | 2"         | 2"          | 12.4           | 2       | \$1,018.33 |

### Series 203NL

PEP Size Compression (PE SDR7) x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 203NL-PE3F3 | 3/4"       | 3/4"        | 1.9            | 6       | \$216.66 |
| 203NL-PE4F4 | 1"         | 1"          | 3.0            | 5       | \$289.57 |
| 203NL-PE6F6 | 1 1/2"     | 1 1/2"      | 6.0            | 2       | \$622.11 |
| 203NL-PE7F7 | 2"         | 2"          | 9.6            | 2       | \$793.88 |

### Series 203NL

PVC Compression x PVC Size Compression (IPS)



| Part Number  | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|--------------|------------|-------------|----------------|---------|----------|
| 203NL-PJ3PJ3 | 3/4"       | 3/4"        | 2.7            | 6       | \$257.06 |
| 203NL-PJ4PJ4 | 1"         | 1"          | 4.5            | 5       | \$369.03 |
| 203NL-PJ5PJ5 | 1 1/4"     | 1 1/4"      | 11.1           | 2       | \$569.05 |
| 203NL-PJ6PJ6 | 1 1/2"     | 1 1/2"      | 13.2           | 2       | \$701.25 |
| 203NL-PJ7PJ7 | 2"         | 2"          | 12.4           | 2       | \$986.78 |

- For a check valve on a curb stop with drain 203NL series add "W" at the end of the part number & add \$116.62 to the price
- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number & add \$3.20 to the price

Pricing in U.S. funds.

## Ball Valves - Full Port with Drain & Check Valve

Rated for 300 PSIG

203 Series is an open right type of unit. Ball Valve Curb Stops come standard with a 90° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two Teflon ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Curb Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted. All ball valves with a drain are directional.

### Series 203NL Campak x Campak



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price      |
|-------------|------------|-------------|----------------|---------|------------|
| 203NL-B3B3W | 3/4"       | 3/4"        | 3.8            | 8       | \$309.96   |
| 203NL-B4B4W | 1"         | 1"          | 6.8            | 5       | \$387.52   |
| 203NL-B6B6W | 1 1/2"     | 1 1/2"      | 12.0           | 2       | \$800.53   |
| 203NL-B7B7W | 2"         | 2"          | 17.0           | 1       | \$1,025.43 |

### Series 203NL FIP x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 203NL-F3F3W | 3/4"       | 3/4"        | 2.1            | 8       | \$275.65 |
| 203NL-F4F4W | 1"         | 1"          | 2.9            | 8       | \$342.03 |
| 203NL-F6F6W | 1 1/2"     | 1 1/2"      | 6.9            | 2       | \$627.35 |
| 203NL-F7F7W | 2"         | 2"          | 9.7            | 2       | \$803.54 |

### Series 203NL Copper Flare x Copper Flare



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price      |
|-------------|------------|-------------|----------------|---------|------------|
| 203NL-C3C3W | 3/4"       | 3/4"        | 2.8            | 8       | \$311.98   |
| 203NL-C4C4W | 1"         | 1"          | 3.9            | 8       | \$371.52   |
| 203NL-C6C6W | 1 1/2"     | 1 1/2"      | 12.5           | 2       | \$770.06   |
| 203NL-C7C7W | 2"         | 2"          | 18.8           | 2       | \$1,103.57 |

### Series 203NL CB Compression x CB Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price      |
|-------------|------------|-------------|----------------|---------|------------|
| 203NL-H3H3W | 3/4"       | 3/4"        | 2.6            | 10      | \$309.98   |
| 203NL-H4H4W | 1"         | 1"          | 3.8            | 6       | \$387.53   |
| 203NL-H6H6W | 1 1/2"     | 1 1/2"      | 8.6            | 2       | \$800.53   |
| 203NL-H7H7W | 2"         | 2"          | 11.5           | 2       | \$1,025.46 |

- For a check valve on a curb stop with drain 203NL series add "W" at the end of the part number & add \$116.62 to the price
- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number & add \$3.20 to the price

Pricing in U.S. funds.

# Curb Stops

## Ball Valves - Reduced Port

Rated for 300 PSIG

Ball Valve Curb Stops come standard with a 90° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Curb Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.

### Series 204NL

Compression x Compression



| Part Number             | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------------------|------------|-------------|----------------|---------|----------|
| Campak x Campak         |            |             |                |         |          |
| 204NL-B3B3              | 3/4"       | 3/4"        | 1.9            | 8       | \$95.24  |
| CB x CB Compression     |            |             |                |         |          |
| 204NL-H3H3              | 3/4"       | 3/4"        | 2.0            | 10      | \$95.24  |
| 204NL-H4H4              | 1"         | 1"          | 3.0            | 6       | \$195.77 |
| 204NL-H5H5              | 1 1/4"     | 1 1/4"      | 9.6            | 5       | \$219.03 |
| Haystite x Haystite     |            |             |                |         |          |
| 204NL-J3J3              | 3/4"       | 3/4"        | 1.9            | 10      | \$95.24  |
| Grip Joint x Grip Joint |            |             |                |         |          |
| 204NL-GJ3GJ3            | 3/4"       | 3/4"        | 1.9            | 10      | \$95.24  |

### Series 204NL

Compression x FIP



| Part Number      | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price   |
|------------------|------------|-------------|----------------|---------|---------|
| Campak x FIP     |            |             |                |         |         |
| 204NL-B3F3       | 3/4"       | 3/4"        | 1.7            | 10      | \$87.95 |
| CB x FIP         |            |             |                |         |         |
| 204NL-H3F3       | 3/4"       | 3/4"        | 1.6            | 10      | \$87.95 |
| Haystite x FIP   |            |             |                |         |         |
| 204NL-J3F3       | 3/4"       | 3/4"        | 1.7            | 10      | \$87.95 |
| Grip Joint x FIP |            |             |                |         |         |
| 204NL-GJ3F3      | 3/4"       | 3/4"        | 1.6            | 10      | \$87.95 |

### Series 204NL

Copper Flare x Copper Flare



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price   |
|-------------|------------|-------------|----------------|---------|---------|
| 204NL-C3C3  | 3/4"       | 3/4"        | 1.9            | 8       | \$94.16 |

### Series 204NL

FIP x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price   |
|-------------|------------|-------------|----------------|---------|---------|
| 204NL-F3F3  | 3/4"       | 3/4"        | 1.2            | 20      | \$73.54 |

### Series 204NL

Copper Flare x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price   |
|-------------|------------|-------------|----------------|---------|---------|
| 204NL-C3F3  | 3/4"       | 3/4"        | 1.6            | 10      | \$82.71 |

Pricing in U.S. funds.

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number & add \$3.20 to the price

# Ball Valves - Full Port Open Right

Rated for 300 PSIG

Ball Valve Curb Stops come standard with a 90° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Curb Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.

## Series 252NL

Campak x Campak Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 252NL-B3B3  | 3/4"       | 3/4"        | 2.5            | 8       | \$181.99 |
| 252NL-B4B4  | 1"         | 1"          | 3.7            | 5       | \$259.56 |
| 252NL-B6B6  | 1 1/2"     | 1 1/2"      | 9.8            | 2       | \$584.64 |
| 252NL-B7B7  | 2"         | 2"          | 14.0           | 1       | \$956.94 |

## Series 252NL

Copper Flare x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 252NL-C3F3  | 3/4"       | 3/4"        | 2.1            | 10      | \$142.75 |
| 252NL-C4F4  | 1"         | 1"          | 6.1            | 6       | \$215.43 |

## Series 252NL

Campak x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 252NL-B3F3  | 3/4"       | 3/4"        | 2.1            | 10      | \$142.75 |
| 252NL-B4F4  | 1"         | 1"          | 6.3            | 6       | \$223.94 |
| 252NL-B6F6  | 1 1/2"     | 1 1/2"      | 10.6           | 2       | \$487.62 |
| 252NL-B7F7  | 2"         | 2"          | 13.9           | 2       | \$677.90 |

## Series 252NL

FIP x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 252NL-F3F3  | 3/4"       | 3/4"        | 1.8            | 12      | \$147.65 |
| 252NL-F4F4  | 1"         | 1"          | 2.5            | 10      | \$213.97 |
| 252NL-F5F5  | 1 1/4"     | 1 1/4"      | 6.0            | 2       | \$452.00 |
| 252NL-F6F6  | 1 1/2"     | 1 1/2"      | 6.5            | 2       | \$411.40 |
| 252NL-F7F7  | 2"         | 2"          | 9.3            | 2       | \$673.46 |

## Series 252NL

Copper Flare x Copper Flare



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 252NL-C3C3  | 3/4"       | 3/4"        | 2.7            | 8       | \$203.54 |
| 252NL-C4C4  | 1"         | 1"          | 4.0            | 5       | \$270.73 |
| 252NL-C6C6  | 1 1/2"     | 1 1/2"      | 11.6           | 2       | \$554.10 |
| 252NL-C7C7  | 2"         | 2"          | 18.0           | 2       | \$906.99 |

## Series 252NL

CB x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 252NL-H3F3  | 3/4"       | 3/4"        | 2.1            | 10      | \$142.75 |
| 252NL-H4F4  | 1"         | 1"          | 3.1            | 6       | \$223.94 |
| 252NL-H6F6  | 1 1/2"     | 1 1/2"      | 7.8            | 2       | \$487.62 |
| 252NL-H7F7  | 2"         | 2"          | 10.7           | 2       | \$677.90 |

• Insert stiffeners are required for all connections using plastic flexible pipe see page 108

Pricing in U.S. funds.

## Curb Stops

### Ball Valves - Full Port Open Right

Rated for 300 PSIG

Ball Valve Curb Stops come standard with a 90° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Curb Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.

#### Series 252NL

CB x CB Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 252NL-H3H3  | 3/4"       | 3/4"        | 2.3            | 10      | \$181.99 |
| 252NL-H4H4  | 1"         | 1"          | 3.2            | 5       | \$259.56 |
| 252NL-H5H5  | 1 1/4"     | 1 1/4"      | 9.8            | 2       | \$346.61 |
| 252NL-H6H6  | 1 1/2"     | 1 1/2"      | 9.8            | 2       | \$584.64 |
| 252NL-H7H7  | 2"         | 2"          | 12.0           | 2       | \$956.94 |

#### Series 252NL

C903 x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 252NL-K3F3  | 3/4"       | 3/4"        | 2.2            | 10      | \$177.49 |
| 252NL-K4F4  | 1"         | 1"          | 6.3            | 8       | \$271.76 |

#### Series 252NL

C903 x C903



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 252NL-K3K3  | 3/4"       | 3/4"        | 2.7            | 8       | \$245.28 |
| 252NL-K4K4  | 1"         | 1"          | 4.2            | 5       | \$355.17 |

### Ball Valves - Full Port Open Right with Drain

Rated for 300 PSIG

253 Series is an open right type of unit. Ball Valve Curb Stops come standard with a 90° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Curb Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.

#### Series 253NL

Campak x Campak Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price      |
|-------------|------------|-------------|----------------|---------|------------|
| 253NL-B3B3  | 3/4"       | 3/4"        | 3.8            | 8       | \$241.95   |
| 253NL-B4B4  | 1"         | 1"          | 6.8            | 5       | \$298.71   |
| 253NL-B6B6  | 1 1/2"     | 1 1/2"      | 12.0           | 2       | \$714.45   |
| 253NL-B7B7  | 2"         | 2"          | 17.0           | 1       | \$1,169.45 |

#### Series 253NL

Campak Compression x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 253NL-B3F3  | 3/4"       | 3/4"        | 3.1            | 10      | \$190.64 |
| 253NL-B4F4  | 1"         | 1"          | 6.3            | 6       | \$317.58 |
| 253NL-B6F6  | 1 1/2"     | 1 1/2"      | 10.8           | 2       | \$559.75 |
| 253NL-B7F7  | 2"         | 2"          | 13.9           | 2       | \$756.43 |

Pricing in U.S. funds.

• Insert stiffeners are required for all connections using plastic flexible pipe see page 108



# Ball Valves - Full Port Open Right with Drain

Rated for 300 PSIG

253 Series is an open right type of unit. Ball Valve Curb Stops come standard with a 90° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Curb Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.

## Series 253NL

Copper Flare x Copper Flare



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price      |
|-------------|------------|-------------|----------------|---------|------------|
| 253NL-C3C3  | 3/4"       | 3/4"        | 2.3            | 8       | \$228.93   |
| 253NL-C4C4  | 1"         | 1"          | 3.9            | 5       | \$291.57   |
| 253NL-C6C6  | 1 1/2"     | 1 1/2"      | 12.1           | 2       | \$683.94   |
| 253NL-C7C7  | 2"         | 2"          | 18.3           | 2       | \$1,119.48 |

## Series 253NL

Copper Flare x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 253NL-C3F3  | 3/4"       | 3/4"        | 2.1            | 10      | \$193.15 |
| 253NL-C4F4  | 1"         | 1"          | 5.3            | 6       | \$266.29 |

## Series 253NL

FIP x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 253NL-F3F3  | 3/4"       | 3/4"        | 1.7            | 12      | \$186.88 |
| 253NL-F4F4  | 1"         | 1"          | 2.5            | 10      | \$253.22 |
| 253NL-F6F6  | 1 1/2"     | 1 1/2"      | 6.5            | 2       | \$541.26 |
| 253NL-F7F7  | 2"         | 2"          | 9.2            | 2       | \$885.98 |

## Series 253NL

CB x CB Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 253NL-H3F3  | 3/4"       | 3/4"        | 2.0            | 10      | \$190.64   |
| 253NL-H4F4  | 1"         | 1"          | 3.0            | 6       | \$317.58   |
| 253NL-H6F6  | 1 1/2"     | 1 1/2"      | 7.8            | 2       | \$559.75   |
| 253NL-H7F7  | 2"         | 2"          | 10.8           | 2       | \$756.43   |

## Series 253NL

CB x CB Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 253NL-H3H3  | 3/4"       | 3/4"        | 2.4            | 10      | \$241.95   |
| 253NL-H4H4  | 1"         | 1"          | 3.8            | 5       | \$298.71   |
| 253NL-H6H6  | 1 1/2"     | 1 1/2"      | 9.3            | 2       | \$714.45   |
| 253NL-H7H7  | 2"         | 2"          | 12.3           | 2       | \$1,169.45 |

## Series 253NL

C903 x C903



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 253NL-K3K3  | 3/4"       | 3/4"        | 2.7            | 8       | \$284.52   |
| 253NL-K4K4  | 1"         | 1"          | 4.2            | 5       | \$394.36   |

## Series 253NL

C903 x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 253NL-K3F3  | 3/4"       | 3/4"        | 2.1            | 10      | \$225.39   |
| 253NL-K4F4  | 1"         | 1"          | 5.3            | 6       | \$314.09   |

• Insert stiffeners are required for all connections using plastic flexible pipe see page 108

Pricing in U.S. funds.

## Ball Valves - Minneapolis Pattern

Rated for 300 PSIG

Ball Valve Curb Stops maintain their low turning torques and bubble-tight 300 PSIG water pressure rating due to the uncoated brass ball that is supported by two blow-out proof PTFE seals. The end piece joint is sealed with thread locker. Cambridge Brass Curb Stops offer positive shut-off from either direction and are available with a wide variety of end connections or Minneapolis Curb Box threads. Minneapolis Pattern: Threading on valve is 1 1/2" standard pipe thread on 3/4" & 1" size valves. Threading on valve is 2" standard pipe thread on 1 1/2" & 2" size valves.

### Series 262NL

Campak x Campak Compression

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 262NL-B3B3  | 3/4"       | 3/4"        | 3.0            | 6       | \$168.25   |
| 262NL-B4B4  | 1"         | 1"          | 6.8            | 4       | \$245.78   |
| 262NL-B6B6  | 1 1/2"     | 1 1/2"      | 12.2           | 2       | \$570.23   |
| 262NL-B7B7  | 2"         | 2"          | 17.0           | 1       | \$795.15   |



### Series 262NL

Campak Compression x FIP

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 262NL-B3F3  | 3/4"       | 3/4"        | 3.2            | 10      | \$149.37   |
| 262NL-B4F4  | 1"         | 1"          | 6.4            | 6       | \$221.87   |
| 262NL-B6F6  | 1 1/2"     | 1 1/2"      | 10.9           | 2       | \$468.53   |
| 262NL-B7F7  | 2"         | 2"          | 14.0           | 2       | \$645.14   |

### Series 262NL

Copper Flare x FIP

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 262NL-C3F3  | 3/4"       | 3/4"        | 3.5            | 6       | \$155.65   |
| 262NL-C4F4  | 1"         | 1"          | 6.3            | 4       | \$213.97   |



### Series 262NL

FIP x FIP

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 262NL-F3F3  | 3/4"       | 3/4"        | 2.1            | 10      | \$133.89   |
| 262NL-F4F4  | 1"         | 1"          | 2.9            | 6       | \$200.18   |
| 262NL-F6F6  | 1 1/2"     | 1 1/2"      | 7.1            | 2       | \$363.15   |
| 262NL-F7F7  | 2"         | 2"          | 9.7            | 2       | \$573.29   |



### Series 262NL

Copper Flare x Copper Flare

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 262NL-C3C3  | 3/4"       | 3/4"        | 3.3            | 6       | \$170.26   |
| 262NL-C4C4  | 1"         | 1"          | 4.6            | 3       | \$229.72   |
| 262NL-C6C6  | 1 1/2"     | 1 1/2"      | 12.2           | 2       | \$539.76   |
| 262NL-C7C7  | 2"         | 2"          | 18.5           | 1       | \$873.26   |

### Series 262NL

CB x CB Compression

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 262NL-H3H3  | 3/4"       | 3/4"        | 3.0            | 6       | \$168.25   |
| 262NL-H4H4  | 1"         | 1"          | 6.8            | 4       | \$245.78   |
| 262NL-H6H6  | 1 1/2"     | 1 1/2"      | 10.0           | 2       | \$570.23   |
| 262NL-H7H7  | 2"         | 2"          | 12.9           | 2       | \$795.15   |

Pricing in U.S. funds.

- Minneapolis Pattern: Threading on valve is 1 1/2" standard pipe thread on 3/4" & 1" size valves. Threading on valve is 2" standard pipe thread on 1 1/2" & 2" size valves
- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number and add \$3.20 to list price.

## Ball Valves - Minneapolis Pattern

Rated for 300 PSIG

Ball Valve Curb Stops maintain their low turning torques and bubble-tight 300 PSIG water pressure rating due to the uncoated brass ball that is supported by two blow-out proof PTFE seals. The end piece joint is sealed with thread locker. Cambridge Brass Curb Stops offer positive shut-off from either direction and are available with a wide variety of end connections or Minneapolis Curb Box threads. Minneapolis Pattern: Threading on valve is 1 1/2" standard pipe thread on 3/4" & 1" size valves. Threading on valve is 2" standard pipe thread on 1 1/2" & 2" size valves.

### Series 262NL

CB Compression x FIP

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 262NL-H3F3  | 3/4"       | 3/4"        | 3.2            | 10      | \$149.37   |
| 262NL-H4F4  | 1"         | 1"          | 6.4            | 6       | \$221.87   |
| 262NL-H6F6  | 1 1/2"     | 1 1/2"      | 10.9           | 2       | \$468.53   |
| 262NL-H7F7  | 2"         | 2"          | 14.0           | 2       | \$645.14   |

### Series 262NL

C903 x C903

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 262NL-K3K3  | 3/4"       | 3/4"        | 3.8            | 6       | \$231.55   |
| 262NL-K4K4  | 1"         | 1"          | 6.8            | 4       | \$341.43   |

### Series 262NL

C903 x FIP

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 262NL-K3F3  | 3/4"       | 3/4"        | 3.2            | 10      | \$184.12   |
| 262NL-K4F4  | 1"         | 1"          | 6.3            | 6       | \$269.68   |

## Ball Valves - Minneapolis Pattern Draining

Rated for 300 PSIG

Ball Valve Curb Stops maintain their low turning torques and bubble-tight 300 PSIG water pressure rating due to the uncoated brass ball that is supported by two blow-out proof PTFE seals. The end piece joint is sealed with thread locker. Cambridge Brass Curb Stops offer positive shut-off from either direction and are available with a wide variety of end connections or Minneapolis Curb Box threads. Minneapolis Pattern: Threading on valve is 1 1/2" standard pipe thread on 3/4" & 1" size valves. Threading on valve is 2" standard pipe thread on 1 1/2" & 2" size valves.

### Series 263NL

Campak x Campak Compression

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 263NL-B3B3  | 3/4"       | 3/4"        | 2.9            | 6       | \$207.55   |
| 263NL-B4B4  | 1"         | 1"          | 6.8            | 4       | \$285.04   |
| 263NL-B6B6  | 1 1/2"     | 1 1/2"      | 12.1           | 2       | \$700.14   |
| 263NL-B7B7  | 2"         | 2"          | 17.1           | 1       | \$924.93   |

### Series 263NL

Campak Compression x FIP

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 263NL-B3F3  | 3/4"       | 3/4"        | 3.2            | 10      | \$187.88   |
| 263NL-B4F4  | 1"         | 1"          | 6.3            | 6       | \$260.38   |
| 263NL-B6F6  | 1 1/2"     | 1 1/2"      | 10.9           | 2       | \$595.69   |
| 263NL-B7F7  | 2"         | 2"          | 14.0           | 2       | \$772.32   |

- Minneapolis Pattern: Threading on valve is 1 1/2" standard pipe thread on 3/4" & 1" size valves. Threading on valve is 2" standard pipe thread on 1 1/2" & 2" size valves
- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number and add \$3.20 to list price.

Pricing in U.S. funds.

## Curb Stops

### Ball Valves - Minneapolis Pattern Draining

Rated for 300 PSIG

Ball Valve Curb Stops maintain their low turning torques and bubble-tight 300 PSIG water pressure rating due to the uncoated brass ball that is supported by two blow-out proof PTFE seals. The end piece joint is sealed with thread locker. Cambridge Brass Curb Stops offer positive shut-off from either direction and are available with a wide variety of end connections or Minneapolis Curb Box threads. Minneapolis Pattern: Threading on valve is 1 1/2" standard pipe thread on 3/4" & 1" size valves. Threading on valve is 2" standard pipe thread on 1 1/2" & 2" size valves.

#### Series 263NL

Copper Flare x Copper Flare



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 263NL-C3C3  | 3/4"       | 3/4"        | 3.1            | 6       | \$209.55   |
| 263NL-C4C4  | 1"         | 1"          | 6.8            | 3       | \$269.02   |
| 263NL-C6C6  | 1 1/2"     | 1 1/2"      | 11.9           | 2       | \$669.57   |
| 263NL-C7C7  | 2"         | 2"          | 16.6           | 1       | \$1,003.00 |

#### Series 263NL

Copper Flare x FIP

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 263NL-C3F3  | 3/4"       | 3/4"        | 3.0            | 6       | \$194.15   |
| 263NL-C4F4  | 1"         | 1"          | 6.3            | 4       | \$252.48   |

#### Series 263NL

FIP x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 263NL-F3F3  | 3/4"       | 3/4"        | 2.1            | 10      | \$173.10   |
| 263NL-F4F4  | 1"         | 1"          | 2.9            | 6       | \$239.52   |
| 263NL-F6F6  | 1 1/2"     | 1 1/2"      | 7.1            | 2       | \$526.91   |
| 263NL-F7F7  | 2"         | 2"          | 9.6            | 2       | \$703.07   |

#### Series 263NL

C903 x FIP

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 263NL-H3H3  | 3/4"       | 3/4"        | 3.2            | 6       | \$207.55   |
| 263NL-H4H4  | 1"         | 1"          | 4.4            | 4       | \$285.04   |
| 263NL-H6H6  | 1 1/2"     | 1 1/2"      | 9.7            | 2       | \$700.14   |
| 263NL-H7H7  | 2"         | 2"          | 12.9           | 2       | \$924.93   |

#### Series 263NL

Campak x Campak Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 263NL-H3F3  | 3/4"       | 3/4"        | 3.2            | 10      | \$187.88   |
| 263NL-H4F4  | 1"         | 1"          | 6.3            | 6       | \$260.38   |
| 263NL-H6F6  | 1 1/2"     | 1 1/2"      | 10.9           | 2       | \$595.69   |
| 263NL-H7F7  | 2"         | 2"          | 12.9           | 2       | \$772.32   |

#### Series 263NL

C903 x C903

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 263NL-K3K3  | 3/4"       | 3/4"        | 3.3            | 6       | \$234.92   |
| 263NL-K4K4  | 1"         | 1"          | 6.8            | 4       | \$380.64   |

#### Series 263NL

C903 x FIP

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 263NL-K3F3  | 3/4"       | 3/4"        | 3.1            | 10      | \$212.29   |
| 263NL-K4F4  | 1"         | 1"          | 6.3            | 6       | \$308.19   |

Pricing in U.S. funds.

- Minneapolis Pattern: Threading on valve is 1 1/2" standard pipe thread on 3/4" & 1" size valves. Threading on valve is 2" standard pipe thread on 1 1/2" & 2" size valves
- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number and add \$3.20 to list price.

## Ball Valve Curb Stop - Double Curb Stops

Rated for 300 PSIG

Cambridge Brass Double Curb Stops are typically used in installations where two service laterals are required which are in close proximity. This is a quick & efficient alternative to tapping the water main twice. Ball Style units are available in non-draining and draining styles. Ball valves are mounted on a rugged cast brass "U" frame and are factory tested as a complete assembly. Ball Valve Curb Stops come standard with a 90° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Curb Stops are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.



### Series 272NL

CB x CB Compression

| Part Number | Inlet Size | Outlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|-------------|----------------|---------|----------|
| 272NL-H2H1  | 5/8"       | 1/2"        | 1/2"        | 6.2            | 5       | \$374.91 |
| 272NL-H3H2  | 3/4"       | 5/8"        | 5/8"        | 6.2            | 5       | \$453.45 |
| 272NL-H3H3  | 3/4"       | 3/4"        | 3/4"        | 6.2            | 5       | \$366.91 |
| 272NL-H4H3  | 1"         | 3/4"        | 3/4"        | 6.2            | 5       | \$418.17 |
| 272NL-H4H4  | 1"         | 1"          | 1"          | 7.2            | 5       | \$429.58 |

### Series 272NL

Campak x CB Compression

| Part Number | Inlet Size | Outlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|-------------|----------------|---------|----------|
| 272NL-B4H3  | 1"         | 3/4"        | 3/4"        | 6.95           | 5       | \$418.17 |



### Series 272NL

CB Compression x FIP

| Part Number | Inlet Size | Outlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|-------------|----------------|---------|----------|
| 272NL-H3F3  | 3/4"       | 3/4"        | 3/4"        | 5.8            | 5       | \$382.32 |

## Ball Valve Curb Stop - Double Curb Stops - Draining

Rated for 300 PSIG



### Series 273NL

CB x CB x CB Compression

| Part Number | Inlet Size | Outlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|-------------|----------------|---------|----------|
| 273NL-H3H3  | 3/4"       | 3/4"        | 3/4"        | 7.6            | 5       | \$463.18 |
| 273NL-H4H3  | 1"         | 3/4"        | 3/4"        | 7.9            | 5       | \$490.00 |

• Insert stiffeners are required for all connections using plastic flexible pipe see page 108

Pricing in U.S. funds.

## Accessories

For use with corporation stops, both ball and plug style to suit applications, adaptors are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.

### Series 84

Inserts for IPS Size Plastic  
Pipe SDR-17



| Part Number | Pipe Size | Wt. Each (lbs) | Box Qty | Price  |
|-------------|-----------|----------------|---------|--------|
| 84-5        | 1 1/4"    | 0.07           | 25      | \$7.73 |
| 84-6        | 1 1/2"    | 0.11           | 25      | \$8.41 |
| 84-7        | 2"        | 0.12           | 25      | \$9.27 |

### Series 88

Inserts for IPS Size Plastic  
Pipe SDR-9



| Part Number | Pipe Size | Wt. Each (lbs) | Box Qty | Price  |
|-------------|-----------|----------------|---------|--------|
| 88-3        | 3/4"      | 0.03           | 50      | \$3.32 |
| 88-4        | 1"        | 0.04           | 50      | \$3.51 |
| 88-5        | 1 1/4"    | 0.07           | 25      | \$7.05 |
| 88-6        | 1 1/2"    | 0.11           | 25      | \$7.55 |
| 88-7        | 2"        | 0.12           | 25      | \$8.55 |

### Series 86

Inserts for CTS Size Plastic  
Pipe SDR-9



| Part Number | Pipe Size | Wt. Each (lbs) | Box Qty | Price  |
|-------------|-----------|----------------|---------|--------|
| 86-3        | 3/4"      | 0.03           | 50      | \$3.32 |
| 86-4        | 1"        | 0.04           | 50      | \$3.51 |
| 86-5        | 1 1/4"    | 0.07           | 25      | \$4.32 |
| 86-6        | 1 1/2"    | 0.11           | 25      | \$4.83 |
| 86-7        | 2"        | 0.12           | 25      | \$4.83 |

### Series 89

Inserts for IPS Size Plastic  
Pipe SDR-11



| Part Number | Pipe Size | Wt. Each (lbs) | Box Qty | Price  |
|-------------|-----------|----------------|---------|--------|
| 89-5        | 1 1/4"    | 0.07           | 25      | \$7.05 |
| 89-6        | 1 1/2"    | 0.11           | 25      | \$7.55 |
| 89-7        | 2"        | 0.12           | 25      | \$8.55 |

### Series 87

Inserts for PEP Size Plastic Pipe  
SIDR7 Only



| Part Number | Pipe Size | Wt. Each (lbs) | Box Qty | Price  |
|-------------|-----------|----------------|---------|--------|
| 87-3        | 3/4"      | 0.03           | 50      | \$3.74 |
| 87-4        | 1"        | 0.04           | 25      | \$4.32 |
| 87-5        | 1 1/4"    | 0.07           | 25      | \$6.41 |
| 87-6        | 1 1/2"    | 0.11           | 25      | \$7.05 |
| 87-7        | 2"        | 0.12           | 25      | \$7.72 |

Pricing in U.S. funds.

• Insert stiffeners are required for all connections using plastic flexible pipe





# **CAMBRIDGE** **BRASS** <sup>TM</sup> **INC**



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## Meter Valves

2025



## Meter Valves - Part Number Format

Ball style angle meter valves are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball angle meter valves are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted. Meter swivel nuts are less saddle, have internal threads per AWWA C700 specifications & include a hole for a wire seal, unless otherwise specified. EPDM Gaskets are supplied as standard.

- Angle Ball Valves are non-directional
- Angle Ball Valves include a lockwing for locking in closed position
- 2" oval flanged meter valves have slotted bolt holes to accept 1 1/2" or 2" meters
- Angle Ball Valve operating head rotates 90° open to close
- 3/4" Meter Swivel fits 5/8" x 3/4", or 3/4" meters

### Part Number Format

**Example: 1" CB x CB Ball Full Port Angle Meter Valve = 210NL - H 4 H 4**

| Series Number                              | Inlet Connection     | Inlet Size | Outlet Connection              | Outlet Size |
|--|----------------------|------------|--------------------------------|-------------|
| 210NL = Full Port Angle Meter Valve        | C = Copper Flare     | 4 = 1"     | C = Copper Flare               | 4 = 1"      |
| 212NL = Full Port Straight Meter Valve     | K = C903 Compression | 5 = 1 1/4" | K = C903 Compression           | 5 = 1 1/4"  |
| 214NL = Reduced Port Angle Meter Valve     | F = Female Iron Pipe | 6 = 1 1/2" | F = Female Iron Pipe           | 6 = 1 1/2"  |
| 224NL = Reduced Port Straight Meter Valve  | PE = PEP Campak      | 7 = 2"     | T = Swivel Nut                 | 7 = 2"      |
| 292NL = Plug Style – Angle Meter Valve     | PJ = PVC Campak      |            | HE = CB Compression Elec. Tail |             |
| 230NL = Full Port Double Curb Stop w LW    | GJ = Grip Joint      |            | CE = Copper Flare Elec. Tail   |             |
| 234NL = Reduced Port Double Curb Stop w/LW |                      |            | IP = Iron Pipe Compression     |             |
| 274NL = Reduced Port Double Curb Stop      |                      |            | P = Female Copper Flare        |             |
| 281NL = Meter Branch                       |                      |            |                                |             |
| 283NL = Meter Branch with Drain            |                      |            |                                |             |

Pricing in U.S. funds.

## Ball Style Angle Valves - Full Port

Rated for 300 PSI - 5/8", 5/8" x 3/4", 1", 1 1/2" or 2" Meters

Ball style angle meter valves are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball angle meter valves are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted. Meter swivel nuts are less saddle, have internal threads per AWWA C700 specifications & include a hole for a wire seal, unless otherwise specified. EPDM Gaskets are supplied as standard.

- Angle Ball Valves are non-directional
- Angle Ball Valves include a lockwing for locking in closed position
- 2" oval flanged meter valves have slotted bolt holes to accept 1 1/2" or 2" meters
- Angle Ball Valve operating head rotates 90° open to close
- 3/4" Meter Swivel fits 5/8" x 3/4", or 3/4" meters

### Series 210NL

Campak Compression x FIP

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 210NL-B3F3  | 3/4"       | 3/4"        | 2.0            | 6       | \$162.61   |
| 210NL-B4F3  | 1"         | 3/4"        | 2.5            | 6       | \$188.92   |
| 210NL-B4F4  | 1"         | 1"          | 3.0            | 8       | \$242.17   |



### Series 210NL

Copper Flare x Meter Connection

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 210NL-C3T3  | 3/4"       | 3/4"        | 2.5            | 8       | \$171.60   |
| 210NL-C4T3  | 1"         | 3/4"        | 2.9            | 6       | \$186.13   |
| 210NL-C4T4  | 1"         | 1"          | 3.6            | 4       | \$256.11   |
| 210NL-C6MF6 | 1 1/2"     | 1 1/2"      | 11.1           | 1       | \$584.02   |
| 210NL-C7MF7 | 2"         | 2"          | 16.2           | 1       | \$744.70   |



### Series 210NL

Campak Compression x Meter Connection

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 210NL-B3T3  | 3/4"       | 3/4"        | 2.4            | 8       | \$176.50   |
| 210NL-B4T3  | 1"         | 3/4"        | 2.7            | 6       | \$200.35   |
| 210NL-B4T4  | 1"         | 1"          | 3.5            | 5       | \$242.17   |
| 210NL-B6MF6 | 1 1/2"     | 1 1/2"      | 10.0           | 1       | \$611.09   |
| 210NL-B7MF7 | 2"         | 2"          | 13.3           | 1       | \$775.60   |



### Series 210NL

FIP x FIP

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 210NL-F3F3  | 3/4"       | 3/4"        | 1.7            | 10      | \$147.30   |
| 210NL-F4F3  | 1"         | 3/4"        | 2.1            | 6       | \$148.07   |
| 210NL-F4F4  | 1"         | 1"          | 2.8            | 10      | \$218.63   |



### Series 210NL

Copper Flare x FIP

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 210NL-C3F3  | 3/4"       | 3/4"        | 2.5            | 10      | \$158.48   |
| 210NL-C4F3  | 1"         | 3/4"        | 2.8            | 6       | \$188.92   |
| 210NL-C4F4  | 1"         | 1"          | 3.1            | 6       | \$236.16   |



### Series 210NL

FIP x Meter Connection

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 210NL-F3T3  | 3/4"       | 3/4"        | 2.0            | 10      | \$160.64   |
| 210NL-F4T3  | 1"         | 3/4"        | 2.4            | 6       | \$167.10   |
| 210NL-F4T4  | 1"         | 1"          | 3.1            | 5       | \$242.05   |
| 210NL-F6MF6 | 1 1/2"     | 1 1/2"      | 8.5            | 2       | \$525.09   |
| 210NL-F7MF7 | 2"         | 2"          | 11.0           | 1       | \$619.63   |



- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number & add \$3.20 to the price
- For handle add H to end of part number & add \$15.11 to the price

Pricing in U.S. funds.

## Ball Style Angle Valves - Full Port

Rated for 300 PSI - 5/8", 5/8" x 3/4", 1", 1 1/2" or 2" Meters

Ball style angle meter valves are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball angle meter valves are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted. Meter swivel nuts are less saddle, have internal threads per AWWA C700 specifications & include a hole for a wire seal, unless otherwise specified. EPDM Gaskets are supplied as standard.

- Angle Ball Valves are non-directional
- Angle Ball Valves include a lockwing for locking in closed position
- 2" oval flanged meter valves have slotted bolt holes to accept 1 1/2" or 2" meters
- Angle Ball Valve operating head rotates 90° open to close
- 3/4" Meter Swivel fits 5/8" x 3/4", or 3/4" meters

### Series 210NL

Grip Joint x Meter Connection



| Part Number  | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|--------------|------------|-------------|----------------|---------|------------|
| 210NL-GJ3T3  | 3/4"       | 3/4"        | 2.3            | 10      | \$176.50   |
| 210NL-GJ4T3  | 1"         | 3/4"        | 2.9            | 6       | \$198.51   |
| 210NL-GJ4T4  | 1"         | 1"          | 3.7            | 5       | \$264.87   |
| 210NL-GJ6MF6 | 1 1/2"     | 1 1/2"      | 9.9            | 2       | \$611.09   |
| 210NLGJ7MF7  | 2"         | 2"          | 12.6           | 1       | \$775.60   |

### Series 210NL

CB Compression x Meter Connection



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 210NL-H3T3  | 3/4"       | 3/4"        | 2.4            | 8       | \$176.50   |
| 210NL-H4T3  | 1"         | 3/4"        | 2.8            | 6       | \$200.35   |
| 210NL-H4T4  | 1"         | 1"          | 3.6            | 6       | \$264.87   |
| 210NL-H6MF6 | 1 1/2"     | 1 1/2"      | 9.7            | 1       | \$611.09   |
| 210NL-H7MF7 | 2"         | 2"          | 12.4           | 1       | \$775.60   |

### Series 210NL

CB Compression x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 210NL-H3F3  | 3/4"       | 3/4"        | 2.1            | 6       | \$162.61   |
| 210NL-H4F3  | 1"         | 3/4"        | 2.3            | 6       | \$188.92   |
| 210NL-H4F4  | 1"         | 1"          | 3.0            | 8       | \$242.17   |

### Series 210NL

C903 x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 210NL-K3F3  | 3/4"       | 3/4"        | 2.0            | 6       | \$198.28   |
| 210NL-K4F4  | 1"         | 1"          | 3.0            | 5       | \$289.98   |

### Series 210NL

C903 x Meter Connection



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 210NL-K3T3  | 3/4"       | 3/4"        | 2.3            | 8       | \$207.59   |
| 210NL-K4T3  | 1"         | 3/4"        | 2.9            | 6       | \$245.31   |
| 210NL-K4T4  | 1"         | 1"          | 3.7            | 4       | \$312.53   |

Pricing in U.S. funds.

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number & add \$3.20 to the price
- For handle add H to end of part number & add \$15.11 to the price



## Ball Style Straight Valves - Full Port

Rated for 300 PSIG - 5/8", 5/8" x 3/4", 3/4", 1", 1 1/2" or 2" Meters

Ball Style Straight Meter Valves come standard with a 90° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass meter valves are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted. Meter swivel nuts are less saddle, have internal threads per AWWA C700 specifications & include a hole for a wire seal, unless otherwise specified. EPDM Gaskets are supplied as standard.

- Straight Ball Valves are non-directional
- Straight Ball Valves include lockwing for locking in close position
- 1 1/2" or 2" meters
- Straight Ball Valve operating head rotates 90° open to close
- 3/4" Meter Swivel fits 5/8" x 3/4", or 3/4" meters

### Series 212NL

Campak x Campak Connection with lockwing



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 212NL-B3B3  | 3/4"       | 3/4"        | 2.5            | 8       | \$158.98   |
| 212NL-B4B4  | 1"         | 1"          | 3.6            | 5       | \$236.49   |
| 212NL-B6B6  | 1 1/2"     | 1 1/2"      | 7.6            | 2       | \$559.45   |
| 212NL-B7B7  | 2"         | 2"          | 13.9           | 1       | \$784.30   |

### Series 212NL

Campak Connection x Meter Connection with lockwing



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 212NL-B3T3  | 3/4"       | 3/4"        | 2.5            | 6       | \$160.41   |
| 212NL-B4T3  | 1"         | 3/4"        | 2.8            | 6       | \$173.39   |
| 212NL-B4T4  | 1"         | 1"          | 3.4            | 5       | \$237.03   |
| 212NL-B6MF6 | 1 1/2"     | 1 1/2"      | 10.0           | 2       | \$423.81   |
| 212NL-B7MF7 | 2"         | 2"          | 13.5           | 1       | \$718.03   |

### Series 212NL

Campak Connection x FIP with lockwing



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 212NL-B3F3  | 3/4"       | 3/4"        | 2.1            | 10      | \$140.08   |
| 212NL-B4F3  | 1"         | 3/4"        | 2.4            | 8       | \$156.57   |
| 212NL-B4F4  | 1"         | 1"          | 2.9            | 8       | \$212.56   |
| 212NL-B6F6  | 1 1/2"     | 1 1/2"      | 8.0            | 2       | \$457.75   |
| 212NL-B7F7  | 2"         | 2"          | 11.1           | 2       | \$634.38   |

### Series 212NL

Copper Flare x FIP with lockwing



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 212NL-C3F3  | 3/4"       | 3/4"        | 2.1            | 10      | \$146.55   |
| 212NL-C4F3  | 1"         | 3/4"        | 2.4            | 6       | \$163.75   |
| 212NL-C4F4  | 1"         | 1"          | 3.1            | 6       | \$204.75   |

### Series 212NL

Copper Flare x Meter Connection with lockwing



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 212NL-C3T3  | 3/4"       | 3/4"        | 2.5            | 6       | \$153.63   |
| 212NL-C4T3  | 1"         | 3/4"        | 2.8            | 4       | \$169.24   |
| 212NL-C4T4  | 1"         | 1"          | 6.3            | 4       | \$228.54   |

- All meter valves come standard with lockwing
- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number & add \$3.20 to the price
- For handle add H to end of part number & add \$15.11 to the price

Pricing in U.S. funds.

## Ball Style Straight Valves - Full Port

Rated for 300 PSIG - 5/8" x 3/4", 3/4", 1", 1 1/2" or 2" Meters

Ball Style Straight Meter Valves come standard with a 90° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass meter valves are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted. Meter swivel nuts are less saddle, have internal threads per AWWA C700 specifications & include a hole for a wire seal, unless otherwise specified. EPDM Gaskets are supplied as standard.

- Straight Ball Valves are non-directional

- Straight Ball Valves include locking for locking in close position  
1 1/2" or 2" meters

- Straight Ball Valve operating head rotates 90° open to close

- 3/4" Meter Swivel fits 5/8" x 3/4", or 3/4" meters

### Series 212NL

FIP x FIP with locking



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 212NL-F3F3  | 3/4"       | 3/4"        | 1.8            | 10      | \$124.58   |
| 212NL-F4F3  | 1"         | 3/4"        | 2.0            | 10      | \$133.51   |
| 212NL-F4F4  | 1"         | 1"          | 2.4            | 10      | \$190.94   |
| 212NL-F5F5  | 1 1/4"     | 1 1/4"      | 6.7            | 2       | \$303.34   |
| 212NL-F6F6  | 1 1/2"     | 1 1/2"      | 6.3            | 2       | \$386.32   |
| 212NL-F7F7  | 2"         | 2"          | 9.1            | 2       | \$562.51   |

### Series 212NL

FIP x Meter Connection with locking



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 212NL-F3T3  | 3/4"       | 3/4"        | 2.1            | 10      | \$142.70   |
| 212NL-F4T3  | 1"         | 3/4"        | 2.3            | 8       | \$149.46   |
| 212NL-F4T4  | 1"         | 1"          | 3.0            | 6       | \$213.38   |
| 212NL-F6MF6 | 1 1/2"     | 1 1/2"      | 8.2            | 2       | \$400.39   |
| 212NL-F7MF7 | 2"         | 2"          | 11.2           | 1       | \$638.50   |

### Series 212NL

Grip Joint x FIP with locking



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 212NL-GJ3F3 | 3/4"       | 3/4"        | 2.1            | 10      | \$140.14   |
| 212NL-GJ4F3 | 1"         | 3/4"        | 2.5            | 8       | \$156.57   |
| 212NL-GJ4F4 | 1"         | 1"          | 2.9            | 8       | \$212.66   |

### Series 212NL

Grip Joint x Meter Connection with locking



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 212NL-GJ3T3 | 3/4"       | 3/4"        | 2.4            | 6       | \$160.41   |
| 212NL-GJ4T3 | 1"         | 3/4"        | 2.8            | 6       | \$173.39   |
| 212NL-GJ4T4 | 1"         | 1"          | 3.5            | 5       | \$237.03   |

### Series 212NL

CB Compression x FIP with locking



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 212NL-H3F3  | 3/4"       | 3/4"        | 2.1            | 10      | \$140.14   |
| 212NL-H4F3  | 1"         | 3/4"        | 2.5            | 8       | \$156.58   |
| 212NL-H4F4  | 1"         | 1"          | 2.9            | 8       | \$212.66   |
| 212NL-H5F5  | 1 1/4"     | 1 1/4"      | 6.9            | 2       | \$290.49   |
| 212NL-H6F6  | 1 1/2"     | 1 1/2"      | 7.5            | 2       | \$457.75   |
| 212NL-H7F7  | 2"         | 2"          | 10.5           | 2       | \$634.38   |

Pricing in U.S. funds.

- All meter valves come standard with locking
- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number & add \$3.20 to the price
- For handle add H to end of part number & add \$15.11 to the price



## Ball Style Straight Valves - Full Port

Rated for 300 PSIG - 5/8", 5/8" x 3/4", 3/4", 1", 1 1/2" or 2" Meters

Ball Style Straight Meter Valves come standard with a 90° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass meter valves are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted. Meter swivel nuts are less saddle, have internal threads per AWWA C700 specifications & include a hole for a wire seal, unless otherwise specified. EPDM Gaskets are supplied as standard.

- Straight Ball Valves are non-directional
- Straight Ball Valves include lockwing for locking in close position
- Straight Ball Valve operating head rotates 90° open to close
- 3/4" Meter Swivel fits 5/8" x 3/4", or 3/4" meters
- 1 1/2" or 2" meters

### Series 212NL

CB Compression x CB Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 212NL-H3H3  | 3/4"       | 3/4"        | 2.5            | 10      | \$158.98   |
| 212NL-H4H3  | 1"         | 3/4"        | 2.7            | 6       | \$172.13   |
| 212NL-H4H4  | 1"         | 1"          | 3.0            | 4       | \$236.49   |
| 212NL-H5H5  | 1 1/4"     | 1 1/4"      | 7.6            | 2       | \$356.96   |
| 212NL-H6H6  | 1 1/2"     | 1 1/2"      | 8.9            | 2       | \$559.45   |
| 212NL-H7H7  | 2"         | 2"          | 12.4           | 2       | \$784.30   |

### Series 212NL

CB Compression x Meter Connection



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 212NL-H3T3  | 3/4"       | 3/4"        | 2.4            | 10      | \$160.41   |
| 212NL-H4T3  | 1"         | 3/4"        | 2.8            | 6       | \$173.39   |
| 212NL-H4T4  | 1"         | 1"          | 3.5            | 6       | \$237.03   |
| 212NL-H6MF6 | 1 1/2"     | 1 1/2"      | 10.1           | 2       | \$423.85   |
| 212NL-H7MF7 | 2"         | 2"          | 13.0           | 1       | \$718.05   |

### Series 212NL

C903 x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 212NL-K3F3  | 3/4"       | 3/4"        | 3.1            | 6       | \$174.91   |
| 212NL-K4F3  | 1"         | 3/4"        | 2.5            | 6       | \$245.91   |
| 212NL-K4F4  | 1"         | 1"          | 6.3            | 6       | \$260.45   |

### Series 212NL

C903 x Meter Connection



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 212NL-K3T3  | 3/4"       | 3/4"        | 3.8            | 6       | \$195.14   |
| 212NL-K4T3  | 1"         | 3/4"        | 2.9            | 6       | \$266.06   |
| 212NL-K4T4  | 1"         | 1"          | 3.7            | 6       | \$357.91   |

### Series 212NL

PVC Campak x Meter Swivel Nut



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 212NL-PJ3T3 | 3/4"       | 3/4"        | 2.4            | 8       | \$184.44   |
| 212NL-PJ4T4 | 1"         | 1"          | 3.6            | 5       | \$272.57   |

- All meter valves come standard with lockwing
- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number & add \$3.20 to the price
- For handle add H to end of part number & add \$15.11 to the price

Pricing in U.S. funds.

## Ball Style Angle Valves - Reduced Port

Rated for 300 PSIG - 5/8" x 3/4", 1", 1 1/2" or 2" Meters

Ball style angle meter valves are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball angle meter valves are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted. Meter swivel nuts are less saddle, have internal threads per AWWA C700 specifications & include a hole for a wire seal, unless otherwise specified. EPDM Gaskets are supplied as standard.

- Angle Ball Valves are non-directional
- 3/4" Meter Swivel fits 5/8" x 3/4", or 3/4" meters
- 2" oval flanged meter valves have slotted bolt holes to accept 1 1/2" or 2" meters



### Series 214NL

Compression x FIP

| Part Number      | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|------------------|------------|-------------|----------------|---------|------------|
| Campak x FIP     |            |             |                |         |            |
| 214NL-B3F3       | 3/4"       | 3/4"        | 1.8            | 10      | \$99.00    |
| 214NL-B4F4       | 1"         | 1"          | 2.1            | 6       | \$125.46   |
| CB Comp. x FIP   |            |             |                |         |            |
| 214NL-H3F3       | 3/4"       | 3/4"        | 1.6            | 10      | \$99.00    |
| Haystite x FIP   |            |             |                |         |            |
| 214NL-J3F3       | 3/4"       | 3/4"        | 1.8            | 10      | \$99.00    |
| Grip Joint x FIP |            |             |                |         |            |
| 214NL-GJ3F3      | 3/4"       | 3/4"        | 1.8            | 10      | \$99.00    |



### Series 214NL

Compression x MTN

| Part Number      | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|------------------|------------|-------------|----------------|---------|------------|
| Campak x MTN     |            |             |                |         |            |
| 214NL-B3T3       | 3/4"       | 3/4"        | 1.9            | 10      | \$103.35   |
| CB Comp. x MTN   |            |             |                |         |            |
| 214NL-H3T3       | 3/4"       | 3/4"        | 1.9            | 10      | \$103.35   |
| Haystite x MTN   |            |             |                |         |            |
| 214NL-J3T3       | 3/4"       | 3/4"        | 1.9            | 10      | \$103.35   |
| Grip Joint x MTN |            |             |                |         |            |
| 214NL-GJ3T3      | 3/4"       | 3/4"        | 1.8            | 10      | \$116.64   |

- Angle Ball Valve operating head rotates 90° open to close
- Angle Ball Valves include lockwing for locking in close position



### Series 214NL

Copper Flare x FIP

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 214NL-C3F3  | 3/4"       | 3/4"        | 1.7            | 10      | \$93.86    |



### Series 214NL

Copper Flare x Meter Connection

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 214NL-C3T3  | 3/4"       | 3/4"        | 1.9            | 10      | \$111.80   |



### Series 214NL

FIP x FIP

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 214NL-F3F3  | 3/4"       | 3/4"        | 1.2            | 10      | \$82.82    |



### Series 214NL

FIP x Meter Connection

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 214NL-F3T1  | 3/4"       | 5/8"        | 1.2            | 15      | \$102.25   |
| 214NL-F3T3  | 3/4"       | 3/4"        | 1.5            | 15      | \$96.93    |
| 214NL-F4T4  | 1"         | 1"          | 2.4            | 8       | \$176.54   |

Pricing in U.S. funds.

- All meter valves come standard with lockwing
- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number & add \$3.20 to the price
- For handle add H to end of part number & add \$15.11 to the price

## Ball Style Straight Meter Valves - Reduced Port

Rated for 300 PSI for 5/8", 5/8" x 3/4", 3/4", 1", 1 1/2" or 2" Meters

Ball style Straight Meter Valves are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve style straight meter valves are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted. Meter swivel nuts are less saddle, have internal straight threads per AWWA C700, and include hole for wire seal unless otherwise indicated. Rubber gaskets are supplied and are standard.

- Straight ball valve operating head rotates 90° open to close
- Straight meter ball valves are non-directional
- All angle ball valves have a lockwing for locking in closed position
- 2" Oval flange is drilled for both 1 1/2" and 2" meters

### Series 224NL Campak x FIP



| Part Number     | Inlet Size | Outlet Size | Lay Lgth | Wt. Each (lbs) | Box Qty | List Price |
|-----------------|------------|-------------|----------|----------------|---------|------------|
| 224NL-B3F3      | 3/4"       | 3/4"        | 3.26"    | 1.6            | 10      | \$92.80    |
| 224NL-B3F3S3530 | 3/4"       | 3/4"        | 3.53"    | 1.7            | 10      | \$95.59    |
| 224NL-B3F3S4080 | 3/4"       | 1"          | 4.08"    | 1.7            | 10      | \$95.59    |
| 224NL-B3F3S4330 | 3/4"       | 1 1/4"      | 4.33"    | 1.7            | 10      | \$95.59    |
| 224NL-B4F4      | 1"         | 1 1/2"      | 3.67"    | 2.9            | 8       | \$160.57   |

### Series 224NL CB Compression x FIP



| Part Number     | Inlet Size | Outlet Size | Lay Lgth | Wt. Each (lbs) | Box Qty | List Price |
|-----------------|------------|-------------|----------|----------------|---------|------------|
| 224NL-H3F3      | 3/4"       | 3/4"        | 3.26"    | 1.5            | 10      | \$92.80    |
| 224NL-H3F3S3530 | 3/4"       | 3/4"        | 3.53"    | 1.7            | 10      | \$95.59    |
| 224NL-H3F3S4080 | 3/4"       | 3/4"        | 4.08"    | 1.7            | 10      | \$95.59    |
| 224NL-H3S4330   | 3/4"       | 3/4"        | 4.33"    | 1.7            | 10      | \$95.59    |
| 224NL-H4F4      | 1"         | 1"          | 3.67"    | 2.9            | 8       | \$160.57   |

### Series 224NL Copper Flare x FIP



| Part Number     | Inlet Size | Outlet Size | Lay Lgth | Wt. Each (lbs) | Box Qty | List Price |
|-----------------|------------|-------------|----------|----------------|---------|------------|
| 224NL-C3F3      | 3/4"       | 3/4"        | 3.57"    | 1.7            | 10      | \$87.63    |
| 224NL-C3F3S4330 | 3/4"       | 3/4"        | 4.33"    | 1.7            | 10      | \$108.40   |

### Series 224NL Copper Flare x Copper Flare



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price   |
|-------------|------------|-------------|----------------|---------|---------|
| 224NL-C3C3  | 3/4"       | 3/4"        | 1.9            | 8       | \$99.07 |

### Series 224NL FIP x FIP



| Part Number     | Inlet Size | Outlet Size | Lay Lgth | Wt. Each (lbs) | Box Qty | List Price |
|-----------------|------------|-------------|----------|----------------|---------|------------|
| 224NL-F1F1      | 1/2"       | 1/2"        | 2.54"    | 1.0            | 15      | \$78.49    |
| 224NL-F3F3      | 3/4"       | 3/4"        | 2.99"    | 1.3            | 15      | \$78.49    |
| 224NL-F3F3S3470 | 3/4"       | 3/4"        | 3.47"    | 1.4            | 15      | \$85.25    |
| 224NL-F3F3S3750 | 3/4"       | 3/4"        | 3.75"    | 1.6            | 15      | \$85.25    |
| 224NL-F4F4      | 1"         | 1"          | 3.63"    | 2.4            | 10      | \$138.48   |

- All meter valves come standard with lockwing
- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number & add \$3.20 to the price
- For handle add H to end of part number & add \$15.11 to the price

Pricing in U.S. funds.

## Ball Style Straight Meter Valves - Reduced Port

Rated for 300 PSI for 5/8", 5/8" x 3/4", 3/4", 1", 1 1/2" or 2" Meters

Ball style Straight Meter Valves are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve style straight meter valves are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted. Meter swivel nuts are less saddle, have internal straight threads per AWWA C700, and include hole for wire seal unless otherwise indicated. Rubber gaskets are supplied and are standard.

- Straight ball valve operating head rotates 90° open to close
- Straight meter ball valves are non-directional
- All angle ball valves have a lockwing for locking in closed position
- 2" Oval flange is drilled for both 1 1/2" and 2" meters

### Series 224NL

Compression x Compression



| Part Number                             | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|---|------------|-------------|----------------|---------|----------|
| Campak x Campak<br>224NL-B3B3           | 3/4"       | 3/4"        | 2.0            | 10      | \$100.18 |
| CB x CB Compression<br>224NL-H3H3       | 3/4"       | 3/4"        | 1.9            | 10      | \$100.18 |
| Haystite x Haystite<br>224NL-J3J3       | 3/4"       | 3/4"        | 2.0            | 10      | \$100.18 |
| Grip Joint x Grip Joint<br>224NL-GJ3GJ3 | 3/4"       | 3/4"        | 2.0            | 10      | \$100.18 |

### Series 224NL

Compression x Meter Compression



| Part Number                     | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|---------------------------------|------------|-------------|----------------|---------|------------|
| Campak x MTN<br>224NL-B3T3      | 3/4"       | 3/4"        | 1.9            | 10      | \$104.80   |
| CB Comp. x MTN<br>224NL-H3T3    | 3/4"       | 3/4"        | 1.9            | 10      | \$104.80   |
| Haystite x MTN<br>224NL-J3T3    | 3/4"       | 3/4"        | 1.9            | 10      | \$104.80   |
| Grip Joint x MTN<br>224NL-GJ3T3 | 3/4"       | 3/4"        | 1.8            | 10      | \$104.80   |

### Series 224NL

Copper Flare x Meter Connection



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 224NL-C3T3  | 3/4"       | 3/4"        | 1.8            | 10      | \$98.01    |

### Series 224NL

FIP x Meter Connection



| Part Number     | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-----------------|------------|-------------|----------------|---------|------------|
| 224NL-F3T3      | 3/4"       | 3/4"        | 1.5            | 10      | \$86.93    |
| 224NL-F3T3S4330 | 3/4"       | 3/4"        | 1.6            | 10      | \$94.64    |

Pricing in U.S. funds.

- All meter valves come standard with lockwing
- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number & add \$3.20 to the price
- For handle add H to end of part number & add \$15.11 to the price

## Plug Style - Angle Valves

Rated for 100 PSIG - 5/8", 5/8" x 3/4" or 1" Meters

Plug Valve Corporation Stops are precision machined to assure a perfect match between the plug and the body. This same machining precision carries over to the threads to assure Cambridge Brass' high quality. Corporation stops come standard with 180° operating head. Use only smooth jawed wrenches on corporation stop bodies and position the wrench only on the flats provided on the bodies. Also position your wrench as close as possible to the threads being tightened to avoid excessive strain or bending moment on the body. Pressure ratings are: 100 PSIG for 3/4" and 1". For applications over 1", Cambridge Brass recommends the use of Ball Valves. Meter swivel nuts are less saddle unless otherwise indicated, have internal straight threads per AWWA C700, and include hole for wire seal unless otherwise indicated. Rubber gaskets are supplied as standard.

- Angle plug valve operating head rotates 180° open to close
- All Angle Plug Valves have lockwing to lock in closed position

- Plug valves are not directional
- 3/4" Meter Swivel fits 5/8" x 3/4", or 3/4" Meters

### Series 292NL

Campak Compression x Meter Connection



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 292NL-B3T3  | 3/4"       | 3/4"        | 1.5            | 12      | \$92.55    |
| 292NL-B4T3  | 1"         | 3/4"        | 1.8            | 10      | \$102.35   |
| 292NL-B4T4  | 1"         | 1"          | 2.3            | 8       | \$126.65   |

### Series 292NL

Grip Joint x Meter Connection with lockwing



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 292NL-GJ3T3 | 3/4"       | 3/4"        | 1.4            | 12      | \$92.55    |
| 292NL-GJ4T3 | 1"         | 3/4"        | 2.2            | 8       | \$102.35   |
| 292NL-GJ4T4 | 1"         | 1"          | 2.5            | 8       | \$126.65   |

### Series 292NL

Copper Flare x Meter Connection



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 292NL-C3T3  | 3/4"       | 3/4"        | 1.5            | 10      | \$86.86    |
| 292NL-C4T3  | 1"         | 3/4"        | 1.5            | 10      | \$96.44    |
| 292NL-C4T4  | 1"         | 1"          | 2.5            | 8       | \$118.29   |

### Series 292NL

CB Compression x Meter Connection



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 292NL-H3T3  | 3/4"       | 3/4"        | 1.5            | 12      | \$92.55    |
| 292NL-H4T3  | 1"         | 3/4"        | 1.9            | 10      | \$102.35   |
| 292NL-H4T4  | 1"         | 1"          | 2.4            | 8       | \$126.65   |

### Series 292NL

FIP x Meter Connection



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 292NL-F3T3  | 3/4"       | 3/4"        | 1.2            | 16      | \$72.36    |
| 292NL-F4T3  | 1"         | 3/4"        | 1.8            | 10      | \$77.25    |
| 292NL-F4T4  | 1"         | 1"          | 2.0            | 8       | \$110.94   |

- All meter valves come standard with lockwing
- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number & add \$3.20 to the price
- For handle add H to end of part number & add \$15.11 to the price

Pricing in U.S. funds.

## Meter Branch Assemblies - Ball Style Reduced Port

Rated for 300 PSIG

Meter Branch assemblies are used in installations requiring 2 meter services in close proximity. Meter swivel nuts are less saddle unless otherwise indicated, have internal straight threads per AWWA C700, and include hole for wire seal unless otherwise indicated. Rubber gaskets are supplied and are standard.

- Angle ball valves operating head rotates 90 degrees open to close unless otherwise indicated

- All Valves have a lockwing to lock in the closed position  
- U-branch assemblies with yoke valves can be found in Iron Yokes section

### Angle Meter Branch Assemblies



#### Series 234NL

Compression x Meter Connection

| Part Number             | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------------------|------------|-------------|----------------|---------|----------|
| CB Compressions x Meter |            |             |                |         |          |
| 234NL-H4T3              | 1"         | 3/4"        | 6.4            | 5       | \$308.33 |
| 234NL-H4T36500          | 1"         | 3/4"        | 6.4            | 5       | \$308.33 |
| 234NL-H4T37500          | 1"         | 3/4"        | 6.4            | 5       | \$317.29 |
| Campak x Meter          |            |             |                |         |          |
| 234NL-B4T3              | 1"         | 3/4"        | 6.4            | 5       | \$308.33 |
| 234NL-B4T36500          | 1"         | 3/4"        | 6.4            | 5       | \$308.33 |
| 234NL-B4T37500          | 1"         | 3/4"        | 6.4            | 5       | \$317.29 |
| Grip Joint x Meter      |            |             |                |         |          |
| 234NL-GJ4T3             | 1"         | 3/4"        | 6.4            | 5       | \$308.33 |
| 234NL-J4T36500          | 1"         | 3/4"        | 6.4            | 5       | \$308.33 |
| 234NL-J4T37500          | 1"         | 3/4"        | 6.4            | 5       | \$317.29 |

### Straight Meter Branch Assemblies



#### Series 234NL

Compression x Meter Connection

| Part Number             | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------------------|------------|-------------|----------------|---------|----------|
| CB Compressions x Meter |            |             |                |         |          |
| 274NL-H4T3              | 1"         | 3/4"        | 6.4            | 5       | \$279.36 |
| 274NL-H4T36500          | 1"         | 3/4"        | 6.4            | 5       | \$279.36 |
| 274NL-H4T37500          | 1"         | 3/4"        | 6.4            | 5       | \$291.67 |
| Campak x Meter          |            |             |                |         |          |
| 274NL-B4T3              | 1"         | 3/4"        | 6.4            | 5       | \$279.36 |
| 274NL-B4T36500          | 1"         | 3/4"        | 6.4            | 5       | \$279.36 |
| 274NL-B4T37500          | 1"         | 3/4"        | 6.4            | 5       | \$291.67 |
| Grip Joint x Meter      |            |             |                |         |          |
| 274NL-GJ4T3             | 1"         | 3/4"        | 6.4            | 5       | \$279.36 |
| 274NL-GJ4T36500         | 1"         | 3/4"        | 6.4            | 5       | \$279.36 |
| 274NL-GJ4T37500         | 1"         | 3/4"        | 6.4            | 5       | \$291.67 |

Pricing in U.S. funds.

- All meter valves come standard with lockwing
- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number & add \$3.20 to the price
- For handle add H to end of part number & add \$15.11 to the price



## Meter Branch Assemblies - Plug Valves

Rated for 100 PSIG

Meter swivel nuts are less saddle unless otherwise indicated, have internal straight threads per AWWA C700, and include hole wire seal unless otherwise indicated. Rubber gaskets are supplied and are standard.

- All Valves have a lockwing to lock in the closed position
- U-branch assemblies with yoke valves can be found in Iron Yokes section

### Series 281NL

Campak x Meter Connection with lockwing



| Part Number    | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|----------------|------------|-------------|----------------|---------|------------|
| 281NL-B3T37500 | 3/4"       | 3/4"        | 5.0            | 5       | \$295.50   |
| 281NL-B4T37500 | 1"         | 3/4"        | 5.2            | 5       | \$381.00   |
| 281NL-H3T37500 | 3/4"       | 3/4"        | 5.0            | 5       | \$295.44   |
| 281NL-H4T37500 | 1"         | 3/4"        | 5.2            | 5       | \$381.00   |

### Series 281NL

FIP x Meter Connection with lockwing



| Part Number    | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|----------------|------------|-------------|----------------|---------|------------|
| 281NL-F4T36500 | 1"         | 3/4"        | 4.5            | 5       | \$240.26   |
| 281NL-F4T37500 | 1"         | 3/4"        | 4.7            | 5       | \$281.98   |

### Series 281NL

Copper Flare x Meter Connection with lockwing



| Part Number    | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|----------------|------------|-------------|----------------|---------|------------|
| 281NL-C4T37500 | 1"         | 3/4"        | 5.3            | 5       | \$292.14   |

- All meter valves come standard with lockwing
- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- For full rotation add R to the end of the part number & add \$3.20 to the price
- For handle add H to end of part number & add \$15.11 to the price

Pricing in U.S. funds.

Pricing in U.S. funds.



# **CAMBRIDGE BRASS<sup>TM</sup>** **INC**



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## **Service Line Fittings**

**2025**



## Service Line Fittings - Part Number Format

Rated for 300 PSIG

105 Series Elbows are manufactured by Cambridge Brass to meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSIG rated. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are standard.

### Part Number Format

Example: 1" CB x CB Elbow Coupling = **105NL - H 4 H 4**

| Series Number                                | Inlet Connection               | Inlet Size | Outlet Connection            | Outlet Size |
|--|--------------------------------|------------|------------------------------|-------------|
| 105NL = Elbow Coupling                       | H = CB Compression             | 1 = 1/2"   | H = CB Compression           | 1 = 1/2"    |
| 110NL = Insulated Adaptor                    | B = Campak                     |            | B = Campak                   |             |
| 111NL = Insulated Coupling                   | J = Haystite                   | 2 = 5/8"   | J = Haystite                 | 2 = 5/8"    |
| 117NL = Adaptor                              | C = Copper Flare               | 3 = 3/4"   | C = Copper Flare             | 3 = 3/4"    |
| 118NL = Coupling                             | K = C903 Compression           | 4 = 1"     | K = C903 Compression         | 4 = 1"      |
| 119NL = Full Bore Coupling                   | F = Female Iron Pipe           | 5 = 1 1/4" | F = Female Iron Pipe         | 5 = 1 1/4"  |
| 120NL = 2 Part Coupling                      | M = Male Iron Pipe             | 6 = 1 1/2" | M = Male Iron Pipe           | 6 = 1 1/2"  |
| 150NL = Service Tee                          | PE = PEP Campak                | 7 = 2"     | PE = PEP Campak              | 7 = 2"      |
| 151NL = Service Tee x FIP                    | PJ = PVC Campak                |            | PJ = PVC Campak              |             |
| 152NL = Wye Branch                           | GJ = Grip Joint                |            | GJ = Grip Joint              |             |
| 155NL = Multi Service Wye                    | HE = CB Compression Elec. Tail |            | HE = CB Comp. Elec. Tail     |             |
| 171NL = U Branch Vert. Inlet x Horiz. Outlet | CE = Copper Flare Elec. Tail   |            | CE = Copper Flare Elec. Tail |             |
| 172NL = U Branch                             | KE = C903 Elec. Tail           |            | KE = C903 Elec. Tail         |             |
| 173NL = U Branch – 4 Outlet                  | IP = Iron Pipe Connection      |            | IP = Iron Pipe Compression   |             |
| 81 = Nut Assemblies                          | SR = Yoke Connection           |            | P = Female Copper Flare      |             |
|  |                                |            | SR = Yoke Connection         |             |

Pricing in U.S. funds.

## Elbows

Rated for 300 PSIG

105 Series Elbows are manufactured by Cambridge Brass to meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSIG rated. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are standard.

### Series 105NL

Campak Compression x  
Campak Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 105NL-B3B3  | 3/4"       | 3/4"        | 1.0            | 16      | \$54.82    |
| 105NL-B4B4  | 1"         | 1"          | 1.8            | 8       | \$70.56    |
| 105NL-B6B6  | 1 1/2"     | 1 1/2"      | 5.0            | 4       | \$226.37   |
| 105NL-B7B7  | 2"         | 2"          | 7.5            | 4       | \$457.98   |

### Series 105NL

Copper Flare x Copper Flare



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 105NL-C3C3  | 3/4"       | 3/4"        | 1.3            | 16      | \$41.76    |
| 105NL-C4C4  | 1"         | 1"          | 2.1            | 8       | \$69.50    |
| 105NL-C6C6  | 1 1/2"     | 1 1/2"      | 6.5            | 2       | \$292.82   |
| 105NL-C7C7  | 2"         | 2"          | 10.7           | 4       | \$403.58   |

### Series 105NL

Campak Compression x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 105NL-B3F3  | 3/4"       | 3/4"        | 0.9            | 20      | \$49.49    |
| 105NL-B4F4  | 1"         | 1"          | 1.1            | 15      | \$80.66    |
| 105NL-B6F6  | 1 1/2"     | 1 1/2"      | 2.9            | 5       | \$204.20   |
| 105NL-B7F7  | 2"         | 2"          | 4.5            | 6       | \$291.96   |

### Series 105NL

Copper Flare x MIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 105NL-C3M3  | 3/4"       | 3/4"        | 1.0            | 20      | \$33.22    |
| 105NL-C4M4  | 1"         | 1"          | 1.4            | 12      | \$55.10    |
| 105NL-C6M6  | 1 1/2"     | 1 1/2"      | 4.2            | 4       | \$197.41   |
| 105NL-C7M7  | 2"         | 2"          | 7.2            | 6       | \$336.50   |

### Series 105NL

Campak Compression x MIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 105NL-B3M3  | 3/4"       | 3/4"        | 0.8            | 20      | \$38.16    |
| 105NL-B4M4  | 1"         | 1"          | 1.8            | 8       | \$63.53    |
| 105NL-B6M6  | 1 1/2"     | 1 1/2"      | 2.9            | 4       | \$184.52   |
| 105NL-B7M7  | 2"         | 2"          | 4.5            | 4       | \$264.43   |

### Series 105NL

Copper Flare x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 105NL-C3F3  | 3/4"       | 3/4"        | 1.0            | 20      | \$37.22    |
| 105NL-C4F4  | 1"         | 1"          | 1.4            | 12      | \$61.35    |

### Series 105NL

Grip Joint x Grip Joint



| Part Number  | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|--------------|------------|-------------|----------------|---------|------------|
| 105NL-GJ3GJ3 | 3/4"       | 3/4"        | 1.2            | 20      | \$54.82    |
| 105NL-GJ4GJ4 | 1"         | 1"          | 1.8            | 12      | \$70.56    |

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10

Pricing in U.S. funds.

## Elbows

Rated for 300 PSIG

105 Series Elbows are manufactured by Cambridge Brass to meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSIG rated. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are standard.

### Series 105NL

Grip Joint x MIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 105NL-GJ3M3 | 3/4"       | 3/4"        | 0.8            | 20      | \$38.16    |
| 105NL-GJ4M4 | 1"         | 1"          | 1.3            | 12      | \$63.53    |

### Series 105NL

Grip Joint x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 105NL-GJ3F3 | 3/4"       | 3/4"        | 0.9            | 20      | \$49.49    |
| 105NL-GJ4F4 | 1"         | 1"          | 1.5            | 12      | \$80.66    |

### Series 105NL

CB x CB Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 105NL-H2H3  | 5/8"       | 3/4"        | 1.0            | 20      | \$48.62    |
| 105NL-H3H3  | 3/4"       | 3/4"        | 1.1            | 20      | \$54.82    |
| 105NL-H4H4  | 1"         | 1"          | 2.0            | 12      | \$70.56    |
| 105NL-H6H6  | 1 1/2"     | 1 1/2"      | 4.0            | 6       | \$226.37   |
| 105NL-H7H7  | 2"         | 2"          | 6.0            | 8       | \$457.98   |

### Series 105NL

CB Compression x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 105NL-H3F3  | 3/4"       | 3/4"        | 0.8            | 20      | \$49.49    |
| 105NL-H4F4  | 1"         | 1"          | 1.4            | 12      | \$80.66    |
| 105NL-H6F6  | 1 1/2"     | 1 1/2"      | 3.4            | 6       | \$204.20   |
| 105NL-H7F7  | 2"         | 2"          | 5.3            | 8       | \$291.96   |

### Series 105NL

CB Compression x MIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 105NL-H3M3  | 3/4"       | 3/4"        | 0.8            | 20      | \$38.16    |
| 105NL-H4M4  | 1"         | 1"          | 1.3            | 16      | \$63.53    |
| 105NL-H6M6  | 1 1/2"     | 1 1/2"      | 3.2            | 5       | \$184.52   |
| 105NL-H7M7  | 2"         | 2"          | 4.9            | 8       | \$264.43   |

### Series 105NL

Haystite x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 105NL-J3F3  | 3/4"       | 3/4"        | 0.9            | 20      | \$49.49    |
| 105NL-J4F4  | 1"         | 1"          | 1.4            | 12      | \$80.66    |

### Series 105NL

Haystite x Haystite



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 105NL-J3J3  | 3/4"       | 3/4"        | 1.1            | 16      | \$54.82    |
| 105NL-J4J4  | 1"         | 1"          | 1.9            | 8       | \$70.56    |

### Series 105NL

Haystite x MIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 105NL-J3M3  | 3/4"       | 3/4"        | 0.9            | 20      | \$38.16    |
| 105NL-J4M4  | 1"         | 1"          | 1.3            | 12      | \$63.53    |

Pricing in U.S. funds.

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10



## Elbows

Rated for 300 PSIG

105 Series Elbows are manufactured by Cambridge Brass to meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSIG rated. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are standard.

### Series 105NL C903 x C903



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 105NL-K3K3  | 3/4"       | 3/4"        | 1.3            | 16      | \$123.22   |
| 105NL-K4K4  | 1"         | 1"          | 2.3            | 8       | \$164.38   |

### Series 105NL PVC Campak x PVC Campak



| Part Number  | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|--------------|------------|-------------|----------------|---------|------------|
| 105NL-PJ3PJ3 | 3/4"       | 3/4"        | 2.9            | 16      | \$73.34    |
| 105NL-PJ4PJ4 | 1"         | 1"          | 3.5            | 4       | \$129.58   |

## Insulated Adaptors

Rated for 300 PSIG

Service Line Fittings are manufactured by Cambridge Brass to meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSIG rated. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are used in our Compression fittings.

### Series 110NL CB Compression x Female Iron Pipe



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 110NL-H3F3  | 3/4"       | 3/4"        | 1.2            | 12      | \$88.61    |
| 110NL-H4F4  | 1"         | 1"          | 2.5            | 10      | \$122.44   |
| 110NL-H6F6  | 1 1/2"     | 1 1/2"      | 5.4            | 3       | \$269.97   |
| 110NL-H7F7  | 2"         | 2"          | 9.2            | 2       | \$427.40   |

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10

Pricing in U.S. funds.

## Insulated Couplings

Rated for 300 PSIG

Cambridge Brass 111 Series Insulated Couplings (also known as Di-Electric Couplings) are used in applications to create a gap in conductivity & prevent electricity from passing through the line. These parts are manufactured by Cambridge Brass to meet or exceed the AWWA C800 (latest revision), NSF 61 & 372 standards and are 300 PSIG rated. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are standard.

### Series 111NL

Campak x Female Compression Thread



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 111NL-B3O3  | 3/4"       | 3/4"        | 1.3            | 15      | \$94.88    |
| 111NL-B4O4  | 1"         | 1"          | 2.6            | 12      | \$131.11   |
| 111NL-B6O6  | 1 1/2"     | 1 1/2"      | 5.7            | 3       | \$299.96   |
| 111NL-B7O7  | 2"         | 2"          | 9.4            | 2       | \$505.40   |

### Series 117NL

Campak x Female Compression Thread



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-B4O3  | 1"         | 3/4"        | 2.4            | 20      | \$67.83    |

### Series 111NL

Copper Flare x Female Copper Flare Thread



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 111NL-C3P3  | 3/4"       | 3/4"        | 1.6            | 15      | \$83.20    |
| 111NL-C4P4  | 1"         | 1"          | 2.3            | 8       | \$123.60   |
| 111NL-C6P6  | 1 1/2"     | 1 1/2"      | 5.9            | 3       | \$287.86   |
| 111NL-C7P7  | 2"         | 2"          | 9.1            | 2       | \$505.40   |

### Series 117NL

Female Compression Thread x MIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-O3M3  | 3/4"       | 3/4"        | 0.4            | 25      | \$52.02    |
| 117NL-O4M4  | 1"         | 1"          | 0.9            | 20      | \$77.55    |
| 117NL-O6M6  | 1 1/2"     | 1 1/2"      | 2.5            | 12      | \$136.67   |
| 117NL-O7M7  | 2"         | 2"          | 4.3            | 4       | \$192.64   |

### Series 111NL

CB Compression x Female Compression Thread



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 111NL-H3O3  | 3/4"       | 3/4"        | 1.3            | 15      | \$94.88    |
| 111NL-H4O4  | 1"         | 1"          | 2.5            | 10      | \$131.11   |
| 111NL-H6O6  | 1 1/2"     | 1 1/2"      | 5.5            | 3       | \$299.97   |
| 111NL-H7O7  | 2"         | 2"          | 9.2            | 2       | \$505.40   |

Pricing in U.S. funds.

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10

## Couplings & Adaptors

Rated for 300 PSIG

Service Line Fittings are manufactured by Cambridge Brass to meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSIG rated. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are standard.

### Series 117NL

Campak x FIP Adaptors



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-B1F1  | 1/2"       | 1/2"        | 0.6            | 30      | \$38.71    |
| 117NL-B1F3  | 1/2"       | 3/4"        | 0.8            | 25      | \$41.67    |
| 117NL-B2F3  | 5/8"       | 3/4"        | 0.5            | 25      | \$38.72    |
| 117NL-B3F1  | 3/4"       | 1/2"        | 0.9            | 25      | \$34.87    |
| 117NL-B3F3  | 3/4"       | 3/4"        | 0.7            | 25      | \$36.67    |
| 117NL-B3F4  | 3/4"       | 1"          | 1.2            | 25      | \$43.67    |
| 117NL-B4F3  | 1"         | 3/4"        | 1.2            | 20      | \$43.21    |
| 117NL-B4F4  | 1"         | 1"          | 1.1            | 20      | \$49.75    |
| 117NL-B5F4  | 1 1/4"     | 1"          | 1.8            | 10      | \$77.54    |
| 117NL-B5F5  | 1 1/4"     | 1 1/4"      | 2.0            | 10      | \$90.84    |
| 117NL-B6F6  | 1 1/2"     | 1 1/2"      | 2.6            | 6       | \$144.72   |
| 117NL-B7F7  | 2"         | 2"          | 3.8            | 4       | \$172.27   |

### Series 117NL

Campak x MIP Adaptors



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-B1M1  | 1/2"       | 1/2"        | 0.6            | 35      | \$33.84    |
| 117NL-B1M3  | 1/2"       | 3/4"        | 0.7            | 30      | \$33.90    |
| 117NL-B2M1  | 5/8"       | 1/2"        | 0.8            | 25      | \$34.86    |
| 117NL-B2M3  | 5/8"       | 3/4"        | 0.8            | 25      | \$40.20    |
| 117NL-B3M1  | 3/4"       | 1/2"        | 0.8            | 25      | \$32.14    |
| 117NL-B3M3  | 3/4"       | 3/4"        | 0.7            | 25      | \$34.87    |
| 117NL-B3M4  | 3/4"       | 1"          | 0.8            | 25      | \$38.08    |
| 117NL-B4M3  | 1"         | 3/4"        | 1.0            | 20      | \$38.60    |
| 117NL-B4M4  | 1"         | 1"          | 1.0            | 20      | \$41.30    |
| 117NL-B5M4  | 1 1/4"     | 1"          | 1.6            | 12      | \$73.62    |
| 117NL-B5M5  | 1 1/4"     | 1 1/4"      | 2.4            | 6       | \$78.96    |
| 117NL-B6M6  | 1 1/2"     | 1 1/2"      | 2.4            | 6       | \$113.13   |
| 117NL-B7M7  | 2"         | 2"          | 3.3            | 5       | \$164.83   |

### Series 117NL

Campak x Female Copper Flare Thread Adaptors - Copper washer included



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-B2P2  | 5/8"       | 5/8"        | 0.6            | 40      | \$44.39    |
| 117NL-B3P2  | 3/4"       | 5/8"        | 0.6            | 32      | \$44.35    |
| 117NL-B3P3  | 3/4"       | 3/4"        | 0.9            | 25      | \$39.68    |
| 117NL-B4P4  | 1"         | 1"          | 1.3            | 15      | \$58.31    |
| 117NL-B4P5  | 1"         | 1 1/4"      | 1.4            | 15      | \$68.64    |
| 117NL-B6P6  | 1 1/2"     | 1 1/2"      | 2.5            | 5       | \$134.75   |
| 117NL-B7P7  | 2"         | 2"          | 3.4            | 4       | \$210.14   |

### Series 117NL

Copper Flare x FIP Adaptors



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-C1F1  | 1/2"       | 1/2"        | 0.6            | 30      | \$34.24    |
| 117NL-C1F3  | 1/2"       | 3/4"        | 1.2            | 25      | \$34.24    |
| 117NL-C2F3  | 5/8"       | 3/4"        | 0.7            | 25      | \$34.24    |
| 117NL-C3F3  | 3/4"       | 3/4"        | 0.8            | 25      | \$30.64    |
| 117NL-C3F4  | 3/4"       | 1"          | 1.0            | 25      | \$40.11    |
| 117NL-C4F3  | 1"         | 3/4"        | 1.4            | 25      | \$46.96    |
| 117NL-C4F4  | 1"         | 1"          | 1.3            | 15      | \$46.87    |
| 117NL-C6F6  | 1 1/2"     | 1 1/2"      | 3.0            | 5       | \$125.74   |
| 117NL-C7F7  | 2"         | 2"          | 5.5            | 4       | \$236.79   |

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10

Pricing in U.S. funds.

## Couplings & Adaptors

Rated for 300 PSIG

Service Line Fittings are manufactured by Cambridge Brass to meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSIG rated. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are standard.

### Series 117NL

Copper Flare x MIP Adaptors



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-C1M1  | 1/2"       | 1/2"        | 0.6            | 25      | \$20.37    |
| 117NL-C1M3  | 1/2"       | 3/4"        | 0.6            | 25      | \$24.40    |
| 117NL-C2M1  | 5/8"       | 1/2"        | 0.7            | 25      | \$29.11    |
| 117NL-C2M3  | 5/8"       | 3/4"        | 0.6            | 25      | \$30.74    |
| 117NL-C3M1  | 3/4"       | 1/2"        | 0.8            | 25      | \$30.28    |
| 117NL-C3M3  | 3/4"       | 3/4"        | 0.8            | 25      | \$31.00    |
| 117NL-C3M4  | 3/4"       | 1"          | 0.9            | 15      | \$35.67    |
| 117NL-C4M3  | 1"         | 3/4"        | 1.2            | 15      | \$47.30    |
| 117NL-C4M4  | 1"         | 1"          | 1.2            | 15      | \$44.28    |
| 117NL-C5M5  | 1 1/4"     | 1 1/4"      | 2.6            | 10      | \$88.24    |
| 117NL-C6M6  | 1 1/2"     | 1 1/2"      | 3.0            | 5       | \$136.55   |
| 117NL-C7M7  | 2"         | 2"          | 5.3            | 6       | \$250.62   |

### Series 117NL

Copper Flare x Female Copper Flare Adaptors - Copper washer included



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-C1P3  | 1/2"       | 3/4"        | 0.9            | 36      | \$25.86    |
| 117NL-C3P4  | 3/4"       | 1"          | 1.3            | 18      | \$46.47    |
| 117NL-C4P3  | 1"         | 3/4"        | 1.0            | 24      | \$46.96    |

### Series 117NL

FIP x Female Copper Flare Adaptors



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-F3P3  | 3/4"       | 3/4"        | 0.6            | 36      | \$25.31    |
| 117NL-F4P4  | 1"         | 1"          | 0.8            | 24      | \$42.80    |
| 117NL-F6P6  | 1 1/2"     | 1 1/2"      | 1.8            | 10      | \$91.05    |
| 117NL-F7P7  | 2"         | 2"          | 2.3            | 6       | \$156.03   |

### Series 117NL

FIP x Female Compression Adaptors



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-F6O6  | 1 1/2"     | 1 1/2"      | 2.9            | 10      | \$148.58   |
| 117NL-F7O7  | 2"         | 2"          | 3.8            | 6       | \$177.68   |

### Series 117NL

Female Lead x CB Adaptors



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-FL2H3 | 5/8"       | 3/4"        | 0.8            | 30      | \$64.48    |
| 117NL-FL3H3 | 3/4"       | 3/4"        | 0.9            | 24      | \$60.39    |

### Series 117NL

Grip Joint x FIP Adaptors



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-GJ3F1 | 3/4"       | 1/2"        | 0.9            | 25      | \$34.87    |
| 117NL-GJ3F3 | 3/4"       | 3/4"        | 0.8            | 25      | \$36.67    |
| 117NL-GJ3F4 | 3/4"       | 1"          | 1.4            | 20      | \$43.67    |
| 117NL-GJ4F3 | 1"         | 3/4"        | 1.4            | 20      | \$43.21    |
| 117NL-GJ4F4 | 1"         | 1"          | 1.4            | 16      | \$49.75    |

### Series 117NL

Grip Joint x MIP Adaptors



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-GJ3M1 | 3/4"       | 1/2"        | 0.8            | 25      | \$32.14    |
| 117NL-GJ3M3 | 3/4"       | 3/4"        | 0.6            | 25      | \$34.87    |
| 117NL-GJ3M4 | 3/4"       | 1"          | 0.7            | 20      | \$38.08    |
| 117NL-GJ4M3 | 1"         | 3/4"        | 1.4            | 20      | \$38.60    |
| 117NL-GJ4M4 | 1"         | 1"          | 1.1            | 16      | \$41.30    |

Pricing in U.S. funds.

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10

# Couplings & Adaptors

Rated for 300 PSIG

Service Line Fittings are manufactured by Cambridge Brass to meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSIG rated. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are standard.

## Series 117NL

Grip Joint x Female Copper Flare  
Thread Adaptors - Copper  
washer included



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-GJ3P3 | 3/4"       | 3/4"        | 1.0            | 25      | \$39.68    |
| 117NL-GJ4P4 | 1"         | 1"          | 1.4            | 15      | \$58.31    |

## Series 117NL

CB Compression x FIP Adaptor



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-H1F1  | 1/2"       | 1/2"        | 0.6            | 30      | \$38.71    |
| 117NL-H1F3  | 1/2"       | 3/4"        | 0.6            | 30      | \$38.71    |
| 117NL-H2F3  | 5/8"       | 3/4"        | 0.7            | 25      | \$38.71    |
| 117NL-H3F1  | 3/4"       | 1/2"        | 0.7            | 25      | \$34.87    |
| 117NL-H3F3  | 3/4"       | 3/4"        | 0.8            | 25      | \$36.67    |
| 117NL-H3F4  | 3/4"       | 1"          | 0.9            | 25      | \$43.67    |
| 117NL-H4F3  | 1"         | 3/4"        | 1.4            | 20      | \$43.21    |
| 117NL-H4F4  | 1"         | 1"          | 1.2            | 20      | \$49.75    |
| 117NL-H5F4  | 1 1/4"     | 1           | 1.8            | 10      | \$77.54    |
| 117NL-H5F5  | 1 1/4"     | 1 1/4"      | 2.0            | 10      | \$90.84    |
| 117NL-H6F6  | 1 1/2"     | 1 1/2"      | 2.3            | 10      | \$144.72   |
| 117NL-H7F7  | 2"         | 2"          | 3.1            | 4       | \$172.27   |

## Series 117NL

CB Compression x MIP Adaptors



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-H1M1  | 1/2"       | 1/2"        | 0.6            | 40      | \$33.84    |
| 117NL-H1M3  | 1/2"       | 3/4"        | 0.7            | 30      | \$33.90    |
| 117NL-H2M1  | 5/8"       | 1/2"        | 0.6            | 25      | \$34.86    |
| 117NL-H2M3  | 5/8"       | 3/4"        | 0.7            | 25      | \$40.20    |
| 117NL-H3M1  | 3/4"       | 1/2"        | 0.7            | 25      | \$32.14    |
| 117NL-H3M3  | 3/4"       | 3/4"        | 0.7            | 25      | \$34.87    |
| 117NL-H3M4  | 3/4"       | 1"          | 0.8            | 25      | \$38.08    |
| 117NL-H4M3  | 1"         | 3/4"        | 1.1            | 20      | \$38.60    |
| 117NL-H4M4  | 1"         | 1"          | 1.1            | 20      | \$41.30    |
| 117NL-H5M4  | 1 1/4"     | 1"          | 2.1            | 12      | \$73.62    |
| 117NL-H5M5  | 1 1/4"     | 1 1/4"      | 2.5            | 10      | \$78.96    |
| 117NL-H6M4  | 1 1/2"     | 1"          | 1.5            | 10      | \$102.18   |
| 117NL-H6M5  | 1 1/2"     | 1 1/4"      | 1.8            | 10      | \$102.74   |
| 117NL-H6M6  | 1 1/2"     | 1 1/2"      | 2.0            | 10      | \$113.13   |
| 117NL-H7M7  | 2"         | 2"          | 2.8            | 5       | \$164.83   |

## Series 117NL

CB Compression x Female  
Compression Thread



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 117NL-H4O3  | 1"         | 3/4"        | 1.2            | 20      | \$67.83  |
| 117NL-H5O3  | 1 1/4"     | 3/4"        | 2.5            | 9       | \$138.54 |
| 117NL-H5O4  | 1 1/4"     | 1"          | 2.8            | 15      | \$170.60 |
| 117NL-H7O6  | 2"         | 1 1/2"      | 2.9            | 4       | \$408.36 |

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10

Pricing in U.S. funds.

# Service Line Fittings

## Couplings & Adaptors

Rated for 300 PSIG

Service Line Fittings are manufactured by Cambridge Brass to meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSI rated. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are standard.

### Series 117NL

CB Compression x Female Copper Flare  
Adaptors - Copper washer included



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-H1P1  | 1/2"       | 1/2"        | 0.7            | 25      | \$44.39    |
| 117NL-H2P2  | 5/8"       | 5/8"        | 0.6            | 40      | \$44.39    |
| 117NL-H3P2  | 3/4"       | 5/8"        | 0.7            | 40      | \$44.35    |
| 117NL-H3P3  | 3/4"       | 3/4"        | 1.0            | 25      | \$39.68    |
| 117NL-H3P4  | 3/4"       | 1"          | 0.9            | 24      | \$49.49    |
| 117NL-H4P3  | 1"         | 3/4"        | 1.1            | 15      | \$46.25    |
| 117NL-H4P4  | 1"         | 1"          | 1.5            | 15      | \$58.31    |
| 117NL-H6P6  | 1 1/2"     | 1 1/2"      | 2.9            | 5       | \$134.75   |
| 117NL-H7P7  | 2"         | 2"          | 3.4            | 4       | \$210.14   |

### Series 117NL

Haystite x FIP Adaptors



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-J3F1  | 3/4"       | 1/2"        | 0.9            | 25      | \$34.87    |
| 117NL-J3F3  | 3/4"       | 3/4"        | 0.9            | 25      | \$36.67    |
| 117NL-J3F4  | 3/4"       | 1"          | 1.4            | 25      | \$43.67    |
| 117NL-J4F3  | 1"         | 3/4"        | 1.4            | 20      | \$43.21    |
| 117NL-J4F4  | 1"         | 1"          | 1.2            | 15      | \$49.75    |

### Series 117NL

Haystite x MIP Adaptors



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-J3M1  | 3/4"       | 1/2"        | 0.8            | 25      | \$32.14    |
| 117NL-J3M3  | 3/4"       | 3/4"        | 0.7            | 25      | \$34.87    |
| 117NL-J3M4  | 3/4"       | 1"          | 0.8            | 25      | \$38.08    |
| 117NL-J4M3  | 1"         | 3/4"        | 1.4            | 20      | \$38.60    |
| 117NL-J4M4  | 1"         | 1"          | 1.1            | 15      | \$41.30    |

### Series 117NL

IP (Galvanized Pipe) X FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-IP3F3 | 3/4"       | 3/4"        | 1.3            | 24      | \$41.77    |
| 117NL-IP4F3 | 1"         | 3/4"        | 1.4            | 12      | \$57.79    |
| 117NL-IP4F4 | 1"         | 1"          | 1.7            | 12      | \$60.40    |

### Series 117NL

C903 x FIP Adaptors



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-K3F3  | 3/4"       | 3/4"        | 0.9            | 25      | \$71.37    |
| 117NL-K3F4  | 3/4"       | 1"          | 1.4            | 25      | \$74.70    |
| 117NL-K4F3  | 1"         | 3/4"        | 1.4            | 20      | \$90.54    |
| 117NL-K4F4  | 1"         | 1"          | 1.4            | 20      | \$97.63    |

### Series 117NL

IP (Galvanized Pipe) X MIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-IP1M1 | 1/2"       | 1/2"        | 0.7            | 40      | \$35.09    |
| 117NL-IP3M3 | 3/4"       | 3/4"        | 1.1            | 24      | \$42.12    |
| 117NL-IP3M4 | 3/4"       | 1"          | 1.3            | 12      | \$61.95    |
| 117NL-IP4M4 | 1"         | 1"          | 1.4            | 12      | \$64.26    |

### Series 117NL

C903 x MIP Adaptors



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-K3M3  | 3/4"       | 3/4"        | 0.8            | 25      | \$69.54    |
| 117NL-K3M4  | 3/4"       | 1"          | 0.8            | 25      | \$72.79    |
| 117NL-K4M3  | 1"         | 3/4"        | 1.2            | 18      | \$86.44    |
| 117NL-K4M4  | 1"         | 1"          | 1.2            | 18      | \$89.09    |

Pricing in U.S. funds.

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10



# Couplings & Adaptors

Rated for 300 PSIG

Service Line Fittings are manufactured by Cambridge Brass to meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSIG rated. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are standard.

## Series 117NL

C903 x Female Copper Flare  
Adaptors - Copper washer included



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-K3P3  | 3/4"       | 3/4"        | 1.2            | 20      | \$74.40    |
| 117NL-K4P4  | 1"         | 1"          | 1.8            | 18      | \$97.63    |

## Series 117NL

C903 Electrical Tail x Female  
Copper Flare Adaptors



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-KE3P3 | 3/4"       | 3/4"        | 1.2            | 20      | \$86.42    |
| 117NL-KE4P4 | 1"         | 1"          | 1.8            | 18      | \$116.12   |

## Series 117NL

CB Compression x Female  
Compression Thread



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-M3P2  | 3/4"       | 5/8"        | 0.6            | 40      | \$27.66    |
| 117NL-M3P3  | 3/4"       | 3/4"        | 0.6            | 48      | \$20.03    |
| 117NL-M3P4  | 3/4"       | 1"          | 0.5            | 36      | \$36.23    |
| 117NL-M4P4  | 1"         | 1"          | 0.7            | 30      | \$35.06    |

## Series 117NL

PEP Size Compression  
(PE SDR7) x FIP Adaptors



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-PE3F3 | 3/4"       | 3/4"        | 1.1            | 20      | \$45.14    |
| 117NL-PE3F4 | 3/4"       | 1"          | 1.3            | 25      | \$63.77    |
| 117NL-PE4F3 | 1"         | 3/4"        | 1.3            | 20      | \$62.76    |
| 117NL-PE4F4 | 1"         | 1"          | 1.7            | 15      | \$57.74    |
| 117NL-PE4F5 | 1"         | 1 1/4"      | 2.3            | 15      | \$77.73    |
| 117NL-PE5F5 | 1 1/4"     | 1 1/4"      | 2.6            | 10      | \$83.23    |
| 117NL-PE6F4 | 1 1/2"     | 1"          | 2.9            | 5       | \$119.25   |
| 117NL-PE6F6 | 1 1/2"     | 1 1/2"      | 3.4            | 4       | \$142.04   |
| 117NL-PE7F7 | 2"         | 2"          | 3.6            | 4       | \$229.25   |

## Series 117NL

PEP Size Compression  
(PE SDR7) x MIP Adaptors



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-PE3M3 | 3/4"       | 3/4"        | 1.0            | 20      | \$46.20    |
| 117NL-PE3M4 | 3/4"       | 1"          | 1.2            | 20      | \$63.62    |
| 117NL-PE4M3 | 1"         | 3/4"        | 1.3            | 12      | \$75.22    |
| 117NL-PE4M4 | 1"         | 1"          | 1.5            | 12      | \$67.09    |
| 117NL-PE5M5 | 1 1/4"     | 1 1/4"      | 1.7            | 8       | \$101.63   |
| 117NL-PE6M4 | 1 1/2"     | 1"          | 2.6            | 5       | \$119.25   |
| 117NL-PE6M6 | 1 1/2"     | 1 1/2"      | 3.0            | 5       | \$159.14   |
| 117NL-PE7M7 | 2"         | 2"          | 3.4            | 4       | \$252.90   |

## Series 117NL

PVC Compression (IPS) x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-PJ3F3 | 3/4"       | 3/4"        | 1.1            | 20      | \$45.86    |
| 117NL-PJ3F4 | 3/4"       | 1"          | 1.3            | 25      | \$63.77    |
| 117NL-PJ4F3 | 1"         | 3/4"        | 1.5            | 12      | \$72.25    |
| 117NL-PJ4F4 | 1"         | 1"          | 1.8            | 12      | \$70.73    |
| 117NL-PJ4F5 | 1"         | 1 1/4"      | 2.3            | 15      | \$69.72    |
| 117NL-PJ5F5 | 1 1/4"     | 1 1/4"      | 2.8            | 10      | \$130.22   |
| 117NL-PJ6F4 | 1 1/2"     | 1"          | 3.4            | 4       | \$130.22   |
| 117NL-PJ6F6 | 1 1/2"     | 1 1/2"      | 3.5            | 5       | \$153.04   |
| 117NL-PJ7F7 | 2"         | 2"          | 4.1            | 4       | \$236.61   |

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10

Pricing in U.S. funds.

## Couplings & Adaptors

Rated for 300 PSIG

Service Line Fittings are manufactured by Cambridge Brass to meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSIG rated. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are standard.

### Series 117NL

PVC Compression (IPS) x MIP Adaptors



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-PJ3M3 | 3/4"       | 3/4"        | 1.0            | 20      | \$46.20    |
| 117NL-PJ3M4 | 3/4"       | 1"          | 1.2            | 20      | \$56.51    |
| 117NL-PJ4M3 | 1"         | 3/4"        | 1.2            | 12      | \$68.93    |
| 117NL-PJ4M4 | 1"         | 1"          | 1.4            | 12      | \$72.04    |
| 117NL-PJ5M5 | 1 1/4"     | 1 1/4"      | 1.7            | 8       | \$110.21   |
| 117NL-PJ6M4 | 1 1/2"     | 1"          | 2.6            | 5       | \$128.91   |
| 117NL-PJ6M6 | 1 1/2"     | 1 1/2"      | 3.1            | 4       | \$141.71   |
| 117NL-PJ7M7 | 2"         | 2"          | 3.9            | 4       | \$205.87   |

### Series 117NL

Ranger Fitting x MNPT



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 117NL-E3M3  | 3/4"       | 3/4"        | 1.0            | 25      | \$57.79  |
| 117NL-E3M4  | 3/4"       | 1"          | 1.1            | 25      | \$68.09  |
| 117NL-E4M3  | 1"         | 3/4"        | 1.5            | 15      | \$86.94  |
| 117NL-E4M4  | 1"         | 1"          | 1.5            | 25      | \$90.05  |
| 117NL-E5M5  | 1 1/4"     | 1 1/4"      | 2.2            | 12      | \$135.38 |
| 117NL-E6M6  | 1 1/2"     | 1 1/2"      | 3.9            | 6       | \$175.95 |
| 117NL-E7M7  | 2"         | 2"          | 6.8            | 4       | \$266.83 |

### Series 117NL

Extra Strong Lead Size x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-XS2F3 | 5/8"       | 3/4"        | 0.7            | 20      | \$45.23    |
| 117NL-XS3F3 | 3/4"       | 3/4"        | 0.8            | 20      | \$86.07    |

### Series 117NL

Ranger Fitting x FNPT



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 117NL-E3F3  | 3/4"       | 3/4"        | 1.0            | 25      | \$57.44  |
| 117NL-E3F4  | 3/4"       | 1"          | 1.6            | 15      | \$75.35  |
| 117NL-E4F3  | 1"         | 3/4"        | 1.6            | 15      | \$90.27  |
| 117NL-E4F4  | 1"         | 1"          | 1.3            | 25      | \$88.71  |
| 117NL-E5F5  | 1 1/4"     | 1 1/4"      | 2.0            | 12      | \$111.61 |
| 117NL-E6F6  | 1 1/2"     | 1 1/2"      | 3.8            | 6       | \$187.28 |
| 117NL-E7F7  | 2"         | 2"          | 7.1            | 4       | \$297.59 |

### Series 117NL

Extra Strong Lead Size x MIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 117NL-XS2M3 | 5/8"       | 3/4"        | 0.7            | 20      | \$46.20    |
| 117NL-XS3M3 | 3/4"       | 3/4"        | 0.8            | 20      | \$64.39    |
| 117NL-XS3M4 | 3/4"       | 1"          | 1.1            | 15      | \$78.89    |

### Series 119NL

Ranger Fitting x Ranger Fitting



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 119NL-E3E3  | 3/4"       | 3/4"        | 1.7            | 25      | \$85.14  |
| 119NL-E3E4  | 3/4"       | 1"          | 2.3            | 15      | \$114.19 |
| 119NL-E4E4  | 1"         | 1"          | 2.4            | 15      | \$141.31 |
| 119NL-E5E5  | 1 1/4"     | 1 1/4"      | 3.9            | 12      | \$201.41 |
| 119NL-E6E6  | 1 1/2"     | 1 1/2"      | 6.5            | 4       | \$273.94 |
| 119NL-E7E7  | 2"         | 2"          | 12.3           | 3       | \$432.73 |

Pricing in U.S. funds.

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10

# Cambridge Coupling

Rated for 300 PSIG

The Cambridge Coupling is a unique fitting with a patented design that provides the installer with a 0.400" range to accommodate varying outside diameter sized pipes. Additionally it will accommodate pipes that are slightly oval or slightly deformed, saving time & materials in some sizing situations. The range of each coupling overlaps slightly to accommodate different installation scenarios. The Stainless-Steel teeth in the gripper ring provide electrical continuity when metallic pipes are used. With more than 3/8" of range, the Cambridge Coupling is the fitting of choice for connecting dissimilar pipes. Cambridge Couplings are manufactured by Cambridge Brass to meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSIG rated. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are standard.

## Series 117NL

Cambridge Coupling x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 117NL-U2F3  | 5/8"       | 3/4"        | 1.8            | 4       | \$134.36 |
| 117NL-U3F3  | 3/4"       | 3/4"        | 2.0            | 4       | \$140.75 |
| 117NL-U4F4  | 1"         | 1"          | 2.7            | 4       | \$163.18 |
| 117NL-U5F4  | 1 1/4"     | 1"          | 3.0            | 2       | \$182.76 |
| 117NL-U5F6  | 1 1/4"     | 1 1/2"      | 3.3            | 2       | \$199.41 |
| 117NL-U6F6  | 1 1/2"     | 1 1/2"      | 3.3            | 2       | \$204.42 |
| 117NL-U7F7  | 2"         | 2"          | 3.7            | 2       | \$227.15 |

## Series 117NL

Cambridge Coupling x MIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 117NL-U2M3  | 5/8"       | 3/4"        | 1.7            | 4       | \$132.86 |
| 117NL-U3M3  | 3/4"       | 3/4"        | 1.9            | 4       | \$139.26 |
| 117NL-U4M4  | 1"         | 1"          | 2.6            | 4       | \$161.03 |
| 117NL-U5M4  | 1 1/4"     | 1"          | 2.9            | 2       | \$180.74 |
| 117NL-U5M6  | 1 1/4"     | 1 1/2"      | 3.5            | 2       | \$202.55 |
| 117NL-U6M6  | 1 1/2"     | 1 1/2"      | 3.5            | 2       | \$210.32 |
| 117NL-U7M7  | 2"         | 2"          | 4.1            | 2       | \$228.93 |

## Series 119NL

Cambridge Coupling x Cambridge Coupling



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 119NL-U2U2  | 5/8"       | 5/8"        | 2.7            | 4       | \$198.67 |
| 119NL-U2U3  | 5/8"       | 3/4"        | 3.6            | 4       | \$205.38 |
| 119NL-U3U3  | 3/4"       | 3/4"        | 3.0            | 4       | \$208.27 |
| 119NL-U3U4  | 3/4"       | 1"          | 3.5            | 4       | \$221.38 |
| 119NL-U4U4  | 1"         | 1"          | 3.3            | 4       | \$217.30 |
| 119NL-U4U5  | 1"         | 1 1/4"      | 4.4            | 2       | \$258.78 |
| 119NL-U5U5  | 1 1/4"     | 1 1/4"      | 4.7            | 2       | \$278.92 |
| 119NL-U5U6  | 1 1/4"     | 1 1/2"      | 5.0            | 2       | \$303.57 |
| 119NL-U6U6  | 1 1/2"     | 1 1/2"      | 5.2            | 2       | \$309.09 |
| 119NL-U6U7  | 1 1/2"     | 2"          | 5.9            | 2       | \$340.78 |
| 119NL-U7U7  | 2"         | 2"          | 5.9            | 2       | \$353.46 |

Pipe O.D. Range per size

| Part | Min. Inches | Max. Inches | Min. (mm) | Max. (mm) |
|------|-------------|-------------|-----------|-----------|
| U2   | 0.600       | 0.900       | 15.3      | 22.8      |
| U3   | 0.735       | 1.135       | 18.6      | 28.8      |
| U4   | 1.000       | 1.400       | 25.4      | 35.6      |
| U5   | 1.300       | 1.700       | 33.0      | 43.2      |
| U6   | 1.600       | 2.000       | 40.6      | 50.8      |
| U7   | 1.969       | 2.381       | 50.0      | 60.5      |

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10

Pricing in U.S. funds.

## Couplings with Stop

Rated for 300 PSIG

Cambridge Brass 118 Series Couplings are used in applications that require a pipe stop to prevent the pipe from passing through the coupling body. These parts meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSIG rated. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are standard.

### Series 118NL

Campak x Campak



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 118NL-B1B1  | 1/2"       | 1/2"        | 1.0            | 25      | \$44.35    |
| 118NL-B2B1  | 5/8"       | 1/2"        | 1.0            | 25      | \$48.80    |
| 118NL-B3B1  | 3/4"       | 1/2"        | 1.0            | 25      | \$43.47    |
| 118NL-B3B2  | 3/4"       | 5/8"        | 1.0            | 25      | \$42.00    |
| 118NL-B3B3  | 3/4"       | 3/4"        | 1.0            | 20      | \$42.45    |
| 118NL-B4B2  | 1"         | 5/8"        | 1.3            | 15      | \$51.81    |
| 118NL-B4B3  | 1"         | 3/4"        | 1.4            | 15      | \$49.33    |
| 118NL-B4B4  | 1"         | 1"          | 1.5            | 12      | \$48.57    |
| 118NL-B5B4  | 1 1/4"     | 1"          | 2.6            | 6       | \$78.40    |
| 118NL-B5B5  | 1 1/4"     | 1 1/4"      | 3.6            | 6       | \$83.83    |
| 118NL-B6B6  | 1 1/2"     | 1 1/2"      | 3.7            | 8       | \$162.49   |
| 118NL-B7B7  | 2"         | 2"          | 5.3            | 7       | \$219.45   |

### Series 118NL

Copper Flare x Copper Flare



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 118NL-C1C1  | 1/2"       | 1/2"        | 0.8            | 25      | \$43.89    |
| 118NL-C2C1  | 5/8"       | 1/2"        | 0.9            | 25      | \$33.65    |
| 118NL-C2C2  | 5/8"       | 5/8"        | 1.2            | 25      | \$38.05    |
| 118NL-C3C1  | 3/4"       | 1/2"        | 1.1            | 20      | \$33.82    |
| 118NL-C3C2  | 3/4"       | 5/8"        | 1.1            | 20      | \$41.33    |
| 118NL-C3C3  | 3/4"       | 3/4"        | 1.2            | 20      | \$39.13    |
| 118NL-C4C3  | 1"         | 3/4"        | 1.6            | 15      | \$58.02    |
| 118NL-C4C4  | 1"         | 1"          | 1.9            | 12      | \$68.59    |
| 118NL-C5C5  | 1 1/4"     | 1 1/4"      | 3.8            | 6       | \$140.71   |
| 118NL-C6C6  | 1 1/2"     | 1 1/2"      | 5.1            | 5       | \$205.86   |
| 118NL-C7C7  | 2"         | 2"          | 3.7            | 5       | \$335.94   |

### Series 118NL

Grip Joint x Grip Joint



| Part Number  | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|--------------|------------|-------------|----------------|---------|------------|
| 118NL-GJ3GJ3 | 3/4"       | 3/4"        | 0.9            | 20      | \$42.45    |
| 118NL-GJ4GJ3 | 1"         | 3/4"        | 1.5            | 15      | \$49.33    |
| 118NL-GJ4GJ4 | 1"         | 1"          | 1.9            | 12      | \$48.57    |

### Series 118NL

CB x CB Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 118NL-H1H1  | 1/2"       | 1/2"        | 1.0            | 25      | \$44.35    |
| 118NL-H2H1  | 5/8"       | 1/2"        | 1.0            | 25      | \$48.80    |
| 118NL-H3H1  | 3/4"       | 1/2"        | 1.0            | 25      | \$43.47    |
| 118NL-H3H2  | 3/4"       | 5/8"        | 1.0            | 25      | \$42.00    |
| 118NL-H3H3  | 3/4"       | 3/4"        | 1.0            | 25      | \$42.45    |
| 118NL-H4H2  | 1"         | 5/8"        | 1.8            | 15      | \$51.81    |
| 118NL-H4H3  | 1"         | 3/4"        | 1.6            | 15      | \$49.33    |
| 118NL-H4H4  | 1"         | 1"          | 1.8            | 12      | \$48.57    |
| 118NL-H5H5  | 1 1/4"     | 1 1/4"      | 3.6            | 6       | \$83.83    |
| 118NL-H6H4  | 1 1/2"     | 1"          | 4.8            | 8       | \$116.12   |
| 118NL-H6H6  | 1 1/2"     | 1 1/2"      | 3.1            | 6       | \$162.50   |
| 118NL-H7H7  | 2"         | 2"          | 4.1            | 4       | \$219.45   |

### Series 119NL

CB x Campak



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 119NL-H3B1  | 3/4"       | 1/2"        | 1.0            | 25      | \$43.47    |
| 119NL-H3B2  | 3/4"       | 5/8"        | 1.0            | 25      | \$42.00    |
| 119NL-H4B2  | 1"         | 5/8"        | 1.4            | 15      | \$51.81    |

Pricing in U.S. funds.

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10

## Couplings with Stop

Rated for 300 PSIG

Cambridge Brass 118 Series Couplings are used in applications that require a pipe stop to prevent the pipe from passing through the coupling body. These parts meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSIG rated. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are standard.

### Series 118NL

CB Compression x Copper Flare



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 118NL-H3C3  | 3/4"       | 3/4"        | 1.0            | 20      | \$58.43    |
| 118NL-H3C4  | 3/4"       | 1"          | 1.2            | 15      | \$77.72    |
| 118NL-H5C5  | 1 1/4"     | 1 1/4"      | 3.3            | 6       | \$140.71   |
| 118NL-H6C4  | 1 1/2"     | 1"          | 3.8            | 9       | \$147.55   |
| 118NL-H6C7  | 1 1/2"     | 2"          | 4.0            | 6       | \$254.01   |

### Series 118NL

CB Compression x CB Compression  
Electrical Connection



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 118NL-H3HE3 | 3/4"       | 3/4"        | 1.1            | 25      | \$52.03    |
| 118NL-H4HE4 | 1"         | 1"          | 1.6            | 12      | \$57.11    |
| 118NL-H6HE6 | 1 1/2"     | 1 1/2"      | 3.5            | 6       | \$184.26   |
| 118NL-H7HE7 | 2"         | 2"          | 4.1            | 4       | \$239.24   |

### Series 118NL

Haystite x Haystite



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 118NL-J3J3  | 3/4"       | 3/4"        | 1.0            | 20      | \$42.45    |
| 118NL-J4J3  | 1"         | 3/4"        | 1.6            | 12      | \$49.33    |
| 118NL-J4J4  | 1"         | 1"          | 1.8            | 10      | \$48.59    |

### Series 118NL

C903 x Copper



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 118NL-K3C3  | 3/4"       | 3/4"        | 1.2            | 20      | \$77.90    |
| 118NL-K4C4  | 1"         | 3/4"        | 2.0            | 12      | \$116.84   |

### Series 118NL

C903 x CB Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 118NL-K3H1  | 3/4"       | 1/2"        | 1.0            | 25      | \$78.21    |
| 118NL-K3H3  | 3/4"       | 3/4"        | 1.1            | 25      | \$77.22    |
| 118NL-K3H4  | 3/4"       | 1"          | 1.6            | 15      | \$84.08    |
| 118NL-K4H3  | 1"         | 3/4"        | 1.6            | 15      | \$97.15    |
| 118NL-K4H4  | 1"         | 1"          | 1.9            | 12      | \$96.39    |

### Series 118NL

C903 x C903



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 118NL-K3K3  | 3/4"       | 3/4"        | 1.2            | 20      | \$111.97   |
| 118NL-K4K3  | 1"         | 3/4"        | 1.7            | 20      | \$134.57   |
| 118NL-K4K4  | 1"         | 1"          | 1.9            | 10      | \$121.02   |

### Series 118NL

C903 Electrical x C903 Electrical



| Part Number  | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|--------------|------------|-------------|----------------|---------|------------|
| 118NL-KE3KE3 | 3/4"       | 3/4"        | 1.4            | 20      | \$138.94   |
| 118NL-KE4KE3 | 1"         | 3/4"        | 1.8            | 12      | \$163.74   |
| 118NL-KE4KE4 | 1"         | 1"          | 3.1            | 10      | \$179.05   |

### Series 118NL

C903 Electrical x CB Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 118NL-KE3H3 | 3/4"       | 3/4"        | 1.5            | 25      | \$92.88    |
| 118NL-KE4H4 | 1"         | 1"          | 2.0            | 15      | \$116.00   |

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10

Pricing in U.S. funds.

## Couplings without Stop

Rated for 300 PSIG

Cambridge Brass 119 Series Couplings are used in applications that allow the pipe to pass through the coupling body. These parts meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSIG rated. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are standard.

### Series 119NL

Campak x Campak



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 119NL-B1B1  | 1/2"       | 1/2"        | 0.8            | 25      | \$44.35    |
| 119NL-B2B2  | 5/8"       | 5/8"        | 0.9            | 25      | \$53.40    |
| 119NL-B3B3  | 3/4"       | 3/4"        | 1.0            | 20      | \$42.45    |
| 119NL-B4B3  | 1"         | 3/4"        | 1.4            | 15      | \$49.33    |
| 119NL-B4B4  | 1"         | 1"          | 1.5            | 12      | \$48.57    |
| 119NL-B5B4  | 1 1/4"     | 1"          | 3.0            | 5       | \$78.40    |
| 119NL-B5B5  | 1 1/4"     | 1 1/4"      | 3.3            | 6       | \$83.83    |
| 119NL-B6B6  | 1 1/2"     | 1 1/2"      | 3.8            | 5       | \$162.50   |
| 119NL-B7B7  | 2"         | 2"          | 5.4            | 7       | \$219.45   |

### Series 119NL

Campak x PEP Compression (PR SIDR7)



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 119NL-B3PE3 | 3/4"       | 3/4"        | 1.4            | 12      | \$50.76    |
| 119NL-B3PE4 | 3/4"       | 1"          | 1.5            | 8       | \$80.16    |
| 119NL-B4PE3 | 1"         | 3/4"        | 1.5            | 12      | \$52.93    |
| 119NL-B4PE4 | 1"         | 1"          | 1.9            | 9       | \$76.66    |
| 119NL-B6PE6 | 1 1/2"     | 1 1/2"      | 3.9            | 5       | \$223.53   |
| 119NL-B7PE7 | 2"         | 2"          | 5.5            | 5       | \$261.04   |

### Series 119NL

Campak x PVC Compression (IPS)



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 119NL-B3PJ3 | 3/4"       | 3/4"        | 1.4            | 12      | \$57.36    |
| 119NL-B3PJ4 | 3/4"       | 1"          | 1.5            | 8       | \$80.34    |
| 119NL-B4PJ3 | 1"         | 3/4"        | 1.5            | 12      | \$60.57    |
| 119NL-B4PJ4 | 1"         | 1"          | 1.9            | 8       | \$82.92    |
| 119NL-B6PJ6 | 1 1/2"     | 1 1/2"      | 3.9            | 6       | \$223.63   |
| 119NL-B7PJ7 | 2"         | 2"          | 5.5            | 5       | \$261.04   |

### Series 119NL

Campak x IP (Galvanized) Pipe



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 119NL-B1IP1 | 1/2"       | 1/2"        | 1.0            | 25      | \$45.56    |
| 119NL-B3IP1 | 3/4"       | 1/2"        | 1.2            | 25      | \$45.56    |
| 119NL-B3IP3 | 3/4"       | 3/4"        | 1.4            | 15      | \$47.01    |
| 119NL-B3IP4 | 3/4"       | 1"          | 1.5            | 8       | \$64.84    |
| 119NL-B4IP3 | 1"         | 3/4"        | 1.5            | 12      | \$52.85    |
| 119NL-B4IP4 | 1"         | 1"          | 1.7            | 8       | \$63.05    |

### Series 119NL

Campak x Extra Strong Lead Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 119NL-B3XS1 | 3/4"       | 1/2"        | 1.8            | 20      | \$42.46    |
| 119NL-B3XS2 | 3/4"       | 5/8"        | 1.8            | 18      | \$50.78    |
| 119NL-B4XS2 | 1"         | 5/8"        | 2.0            | 15      | \$52.93    |

### Series 119NL

Copper Flare x PVC Campak



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 119NL-C4PJ4 | 1"         | 1"          | 4.0            | 8       | \$112.92   |
| 119NL-C4PJ6 | 1"         | 1 1/2"      | 5.4            | 4       | \$195.92   |
| 119NL-C6PJ6 | 1 1/2"     | 1 1/2"      | 6.5            | 5       | \$236.80   |
| 119NL-C7PJ6 | 2"         | 1 1/2"      | 7.2            | 6       | \$259.04   |
| 119NL-C7PJ7 | 2"         | 2"          | 8.2            | 5       | \$298.37   |

Pricing in U.S. funds.

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10



## Couplings without Stop

Rated for 300 PSIG

Cambridge Brass 119 Series Couplings are used in applications that allow the pipe to pass through the coupling body. These parts meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSIG rated. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are standard.

### Series 119NL

CB Compression x PVC  
Compression ( IPS)



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 119NL-H3PJ3 | 3/4"       | 3/4"        | 1.0            | 15      | \$57.36    |
| 119NL-H3PJ4 | 3/4"       | 1"          | 1.8            | 8       | \$80.34    |
| 119NL-H4PJ3 | 1"         | 3/4"        | 1.8            | 12      | \$60.57    |
| 119NL-H4PJ4 | 1"         | 1"          | 2.1            | 8       | \$82.92    |
| 119NL-H6PJ6 | 1 1/2"     | 1 1/2"      | 3.9            | 5       | \$223.62   |
| 119NL-H7PJ7 | 2"         | 2"          | 4.8            | 5       | \$261.04   |

### Series 119NL

CB Compression x Extra  
Strong Lead Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 119NL-H3XS1 | 3/4"       | 1/2"        | 0.9            | 20      | \$42.47    |
| 119NL-H3XS2 | 3/4"       | 5/8"        | 0.9            | 18      | \$50.78    |
| 119NL-H4XS2 | 1"         | 5/8"        | 2.0            | 15      | \$52.93    |

### Series 119NL

Haystite x Haystite



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 119NL-J3J3  | 3/4"       | 3/4"        | 1.0            | 20      | \$42.45    |
| 119NL-J4J4  | 1"         | 1"          | 1.8            | 10      | \$48.57    |

### Series 119NL

IP (Galvanized) Pipe x  
IP (Galvanized) Pipe



| Part Number  | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|--------------|------------|-------------|----------------|---------|------------|
| 119NL-IP1IP1 | 1/2"       | 1/2"        | 1.8            | 25      | \$42.60    |
| 119NL-IP3IP3 | 3/4"       | 3/4"        | 1.2            | 12      | \$46.76    |
| 119NL-IP4IP3 | 1"         | 3/4"        | 1.9            | 8       | \$60.39    |
| 119NL-IP4IP4 | 1"         | 1"          | 2.1            | 8       | \$82.54    |

### Series 119NL

Grip Joint x IP (Galvanized) Pipe



| Part Number  | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|--------------|------------|-------------|----------------|---------|------------|
| 119NL-GJ3IP1 | 3/4"       | 1/2"        | 1.0            | 25      | \$45.56    |
| 119NL-GJ3IP3 | 3/4"       | 3/4"        | 1.2            | 12      | \$46.98    |
| 119NL-GJ3IP4 | 3/4"       | 1"          | 1.5            | 8       | \$64.84    |
| 119NL-GJ4IP3 | 1"         | 3/4"        | 1.5            | 12      | \$52.90    |
| 119NL-GJ4IP4 | 1"         | 1"          | 1.7            | 8       | \$63.05    |

### Series 119NL

Grip Joint x Grip Joint



| Part Number  | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|--------------|------------|-------------|----------------|---------|------------|
| 119NL-GJ3GJ3 | 3/4"       | 3/4"        | 0.9            | 20      | \$42.45    |
| 119NL-GJ4GJ3 | 1"         | 3/4"        | 1.5            | 15      | \$49.33    |
| 119NL-GJ4GJ4 | 1"         | 1"          | 1.9            | 12      | \$48.57    |

### Series 119NL

CB x CB Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 119NL-H1H1  | 1/2"       | 1/2"        | 0.9            | 25      | \$44.35    |
| 119NL-H2H2  | 5/8"       | 5/8"        | 0.8            | 25      | \$53.40    |
| 119NL-H3H3  | 3/4"       | 3/4"        | 0.9            | 25      | \$42.45    |
| 119NL-H3H5  | 3/4"       | 1 1/4"      | 2.1            | 8       | \$91.65    |
| 119NL-H4H1  | 1"         | 1/2"        | 1.3            | 15      | \$48.33    |
| 119NL-H4H3  | 1"         | 3/4"        | 1.5            | 15      | \$49.33    |
| 119NL-H4H4  | 1"         | 1"          | 1.5            | 12      | \$48.57    |
| 119NL-H5H4  | 1 1/4"     | 1"          | 2.6            | 9       | \$78.40    |
| 119NL-H5H5  | 1 1/4"     | 1 1/4"      | 3.7            | 6       | \$83.83    |
| 119NL-H6H6  | 1 1/2"     | 1 1/2"      | 2.9            | 6       | \$162.50   |
| 119NL-H6H7  | 1 1/2"     | 2"          | 3.8            | 4       | \$177.08   |
| 119NL-H7H7  | 2"         | 2"          | 3.6            | 4       | \$219.45   |

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10

Pricing in U.S. funds.

## Couplings without Stop

Rated for 300 PSIG

Cambridge Brass 119 Series Couplings are used in applications that allow the pipe to pass through the coupling body. These parts meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSIG rated. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are standard.

### Series 119NL

PEP Compression (PE SDR7) x  
PEP Compression (PE SDR7)



| Part Number  | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|--------------|------------|-------------|----------------|---------|------------|
| 119NL-PE3PE3 | 3/4"       | 3/4"        | 1.5            | 12      | \$53.04    |
| 119NL-PE3PE4 | 3/4"       | 1"          | 2.1            | 8       | \$82.05    |
| 119NL-PE4PE4 | 1"         | 1"          | 2.3            | 4       | \$105.96   |
| 119NL-PE5PE5 | 1 1/4"     | 1 1/4"      | 3.6            | 8       | \$149.84   |
| 119NL-PE6PE6 | 1 1/2"     | 1 1/2"      | 4.8            | 8       | \$230.85   |
| 119NL-PE7PE7 | 2"         | 2"          | 5.2            | 5       | \$311.08   |

### Series 119NL

CB Compression x PEP Size  
Compression (PE SDR7)



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 119NL-H3PE3 | 3/4"       | 3/4"        | 1.3            | 12      | \$50.76    |
| 119NL-H3PE4 | 3/4"       | 1"          | 1.4            | 8       | \$80.17    |
| 119NL-H4PE3 | 1"         | 3/4"        | 1.4            | 12      | \$52.95    |
| 119NL-H4PE4 | 1"         | 1"          | 1.8            | 9       | \$76.66    |
| 119NL-H6PE6 | 1 1/2"     | 1 1/2"      | 3.7            | 6       | \$223.50   |
| 119NL-H7PE7 | 2"         | 2"          | 5.4            | 5       | \$261.04   |

### Series 119NL

CB x CB Compression with  
Electrical Connection



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 119NL-H3HE3 | 3/4"       | 3/4"        | 1.5            | 20      | \$49.18    |
| 119NL-H4HE4 | 1"         | 1"          | 1.9            | 15      | \$57.11    |
| 119NL-H6HE6 | 1 1/2"     | 1 1/2"      | 3.4            | 6       | \$184.26   |
| 119NL-H7HE7 | 2"         | 2"          | 4.2            | 4       | \$245.77   |

### Series 119NL

PVC Compression (IPS) x PVC  
Compression (IPS)



| Part Number  | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|--------------|------------|-------------|----------------|---------|------------|
| 119NL-PJ3PJ3 | 3/4"       | 3/4"        | 1.3            | 12      | \$62.00    |
| 119NL-PJ3PJ4 | 3/4"       | 1"          | 1.9            | 8       | \$84.61    |
| 119NL-PJ4PJ4 | 1"         | 1"          | 1.4            | 8       | \$105.29   |
| 119NL-PJ5PJ5 | 1 1/4"     | 1 1/4"      | 1.8            | 8       | \$151.05   |
| 119NL-PJ6PJ6 | 1 1/2"     | 1 1/2"      | 4.8            | 4       | \$205.46   |
| 119NL-PJ7PJ7 | 2"         | 2"          | 5.4            | 5       | \$310.79   |

### Series 119NL

CB Compression x IP  
(Galvanized) Pipe



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 119NL-H1IP1 | 1/2"       | 1/2"        | 0.7            | 25      | \$45.56    |
| 119NL-H3IP1 | 3/4"       | 1/2"        | 0.9            | 25      | \$45.56    |
| 119NL-H3IP3 | 3/4"       | 3/4"        | 1.0            | 20      | \$47.01    |
| 119NL-H3IP4 | 3/4"       | 1"          | 1.5            | 8       | \$64.84    |
| 119NL-H4IP3 | 1"         | 3/4"        | 1.5            | 12      | \$52.85    |
| 119NL-H4IP4 | 1"         | 1"          | 1.9            | 8       | \$63.05    |

### Series 119NL

PEP Size Compression (PE SDR7)  
x PVC Compression (IPS)



| Part Number  | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|--------------|------------|-------------|----------------|---------|------------|
| 119NL-PE3PJ3 | 3/4"       | 3/4"        | 1.4            | 12      | \$64.91    |
| 119NL-PE3PJ4 | 3/4"       | 1"          | 1.5            | 8       | \$86.12    |
| 119NL-PE4PJ3 | 1"         | 3/4"        | 1.5            | 5       | \$86.12    |
| 119NL-PE4PJ4 | 1"         | 1"          | 1.9            | 8       | \$105.96   |

Pricing in U.S. funds.

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10

## Couplings without Stop

Rated for 300 PSIG

Cambridge Brass 119 Series Couplings are used in applications that allow the pipe to pass through the coupling body. These parts meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSIG rated. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are standard.

### Series 119NL

PEP Compression (PE SDR7) x IP (Galvanized) Pipe



| Part Number  | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|--------------|------------|-------------|----------------|---------|------------|
| 119NL-PE3IP3 | 3/4"       | 3/4"        | 1.4            | 12      | \$57.74    |
| 119NL-PE3IP4 | 3/4"       | 1"          | 1.5            | 8       | \$80.85    |
| 119NL-PE4IP3 | 1"         | 3/4"        | 1.5            | 8       | \$80.77    |
| 119NL-PE4IP4 | 1"         | 1"          | 1.9            | 4       | \$96.24    |

### Series 119NL

PVC Compression (IPS) x IP (Galvanized) Pipe



| Part Number  | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|--------------|------------|-------------|----------------|---------|------------|
| 119NL-PJ3IP3 | 3/4"       | 3/4"        | 1.4            | 12      | \$56.26    |
| 119NL-PJ3IP4 | 3/4"       | 1"          | 1.5            | 8       | \$80.85    |
| 119NL-PJ4IP3 | 1"         | 3/4"        | 1.5            | 8       | \$80.77    |
| 119NL-PJ4IP4 | 1"         | 1"          | 1.9            | 4       | \$97.90    |

### Series 120NL

Copper Flare x Reverse Copper Flare



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 120NL-C3C3  | 3/4"       | 3/4"        | 0.7            | 36      | \$34.48    |
| 120NL-C4C4  | 1"         | 1"          | 1.1            | 20      | \$53.41    |
| 120NL-C6C6  | 1 1/2"     | 1 1/2"      | 3.0            | 5       | \$128.06   |
| 120NL-C7C7  | 2"         | 2"          | 5.0            | 4       | \$249.02   |

### Series 120NL

Two Part Coupling CTS Connection



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 120NL-V3V3  | 3/4"       | 3/4"        | 0.6            | 24      | \$42.45  |
| 120NL-V4V3  | 1"         | 3/4"        | 1.3            | 12      | \$49.33  |
| 120NL-V4V4  | 1"         | 1"          | 1.4            | 12      | \$48.59  |
| 120NL-V5V5  | 1 1/4"     | 1 1/4"      | 1.9            | 9       | \$83.83  |
| 120NL-V6V6  | 1 1/2"     | 1 1/2"      | 2.1            | 8       | \$162.50 |
| 120NL-V7V7  | 2"         | 2"          | 2.7            | 4       | \$219.45 |

### Series 120NL

Two Part Coupling PEP Connection



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 120NL-Y3Y3  | 3/4"       | 3/4"        |                |         | \$53.04  |
| 120NL-Y4Y4  | 1"         | 1"          |                |         | \$106.39 |

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10

Pricing in U.S. funds.

## Service Tees with Compression on the Branch

Rated for 300 PSIG

Service Tees are manufactured by Cambridge Brass to meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 rated tested. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are used in our Compression fittings.

### Series 150NL

Campak x Campak x Campak



| Part Number | Run Size | Branch Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|----------|-------------|----------------|---------|------------|
| 150NL-B3B3  | 3/4"     | 3/4"        | 1.9            | 8       | \$102.81   |
| 150NL-B3B4  | 3/4"     | 1"          | 2.3            | 4       | \$109.48   |
| 150NL-B4B4  | 1"       | 1"          | 3.2            | 4       | \$109.91   |
| 150NL-B6B3  | 1 1/2"   | 3/4"        | 4.2            | 4       | \$211.66   |
| 150NL-B6B6  | 1 1/2"   | 1 1/2"      | 4.4            | 3       | \$245.19   |
| 150NL-B7B3  | 2"       | 3/4"        | 5.6            | 2       | \$310.54   |
| 150NL-B7B4  | 2"       | 1"          | 5.8            | 2       | \$324.61   |
| 150NL-B7B7  | 2"       | 2"          | 7.0            | 2       | \$598.41   |

### Series 150NL

CB x CB x CB Compression



| Part Number | Run Size | Branch Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|----------|-------------|----------------|---------|------------|
| 150NL-H3H3  | 3/4"     | 3/4"        | 1.9            | 12      | \$102.81   |
| 150NL-H3H4  | 3/4"     | 1"          | 2.3            | 8       | \$109.48   |
| 150NL-H4H3  | 1"       | 3/4"        | 2.3            | 4       | \$112.90   |
| 150NL-H4H4  | 1"       | 1"          | 3.6            | 4       | \$109.91   |
| 150NL-H6H3  | 1 1/2"   | 3/4"        | 4.0            | 4       | \$211.66   |
| 150NL-H6H6  | 1 1/2"   | 1 1/2"      | 4.4            | 3       | \$245.19   |
| 150NL-H7H3  | 2"       | 3/4"        | 5.2            | 2       | \$310.54   |
| 150NL-H7H4  | 2"       | 1"          | 5.6            | 2       | \$324.61   |
| 150NL-H7H7  | 2"       | 2"          | 6.9            | 3       | \$598.41   |

### Series 150NL

Copper Flare x Copper Flare x Copper Flare



| Part Number | Run Size | Branch Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|----------|-------------|----------------|---------|------------|
| 150NL-C3C3  | 3/4"     | 3/4"        | 1.9            | 10      | \$73.53    |
| 150NL-C4C4  | 1"       | 1"          | 3.4            | 5       | \$123.38   |

### Series 150NL

Haystite x Haystite x Haystite



| Part Number | Run Size | Branch Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|----------|-------------|----------------|---------|------------|
| 150NL-J3J3  | 3/4"     | 3/4"        | 2.0            | 6       | \$102.83   |
| 150NL-J3J4  | 3/4"     | 1"          | 2.3            | 4       | \$109.56   |
| 150NL-J4J4  | 1"       | 1"          | 3.8            | 4       | \$109.99   |

### Series 150NL

Grip Joint x Grip Joint x Grip Joint



| Part Number  | Run Size | Branch Size | Wt. Each (lbs) | Box Qty | List Price |
|--------------|----------|-------------|----------------|---------|------------|
| 150NL-GJ3GJ3 | 3/4"     | 3/4"        | 1.9            | 10      | \$102.81   |
| 150NL-GJ3GJ4 | 3/4"     | 1"          | 2.3            | 8       | \$109.48   |
| 150NL-GJ4GJ4 | 1"       | 1"          | 3.4            | 4       | \$109.91   |

### Series 150NL

C903 x C903 x C903



| Part Number | Run Size | Branch Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|----------|-------------|----------------|---------|------------|
| 150NL-K3K3  | 3/4"     | 3/4"        | 2.1            | 8       | \$207.00   |
| 150NL-K3K4  | 3/4"     | 1"          | 4.0            | 4       | \$243.34   |
| 150NL-K4K4  | 1"       | 1"          | 4.0            | 4       | \$253.27   |

### Series 150NL

PEP x PEP x PEP (PE SIDR7)



| Part Number  | Run Size | Branch Size | Wt. Each (lbs) | Box Qty | List Price |
|--------------|----------|-------------|----------------|---------|------------|
| 150NL-PE3PE3 | 3/4"     | 3/4"        | 2.0            | 4       | \$146.43   |

Pricing in U.S. funds.

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10

# Service Tees with Industrial Pipe Threads on the Branch

Rated for 300 PSIG

Service Tees are manufactured by Cambridge Brass to meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSIG rated. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are used in our Compression fittings.

## Series 151NL

Campak x Campak x FIP



| Part Number | Run Size | Branch Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|----------|-------------|----------------|---------|------------|
| 151NL-B3F3  | 3/4"     | 3/4"        | 1.3            | 12      | \$84.77    |
| 151NL-B4F4  | 1"       | 1"          | 2.9            | 6       | \$105.18   |
| 151NL-B6F3  | 1 1/2"   | 3/4"        | 5.7            | 12      | \$197.48   |
| 151NL-B7F3  | 2"       | 3/4"        | 8.5            | 2       | \$275.42   |
| 151NL-B7F4  | 2"       | 1"          | 6.0            | 2       | \$275.42   |

## Series 151NL

CB x CB Compression x FIP



| Part Number | Run Size | Branch Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|----------|-------------|----------------|---------|------------|
| 151NL-H3F3  | 3/4"     | 3/4"        | 1.7            | 12      | \$84.77    |
| 151NL-H4F4  | 1"       | 1"          | 2.9            | 6       | \$105.13   |
| 151NL-H6F3  | 1 1/2"   | 3/4"        | 3.3            | 12      | \$197.41   |
| 151NL-H7F3  | 2"       | 3/4"        | 4.6            | 3       | \$275.28   |
| 151NL-H7F4  | 2"       | 1"          | 8.3            | 5       | \$275.28   |

## Series 151NL

Campak x Campak x MIP



| Part Number | Run Size | Branch Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|----------|-------------|----------------|---------|------------|
| 151NL-B3M3  | 3/4"     | 3/4"        | 1.6            | 12      | \$74.67    |
| 151NL-B4M4  | 1"       | 1"          | 2.8            | 6       | \$102.99   |

## Series 151NL

CB x CB Compression x MIP



| Part Number | Run Size | Branch Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|----------|-------------|----------------|---------|------------|
| 151NL-H3M3  | 3/4"     | 3/4"        | 1.6            | 12      | \$74.67    |
| 151NL-H4M4  | 1"       | 1"          | 2.7            | 6       | \$102.99   |

## Series 151NL

Copper Flare x Copper Flare x FIP



| Part Number | Run Size | Branch Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|----------|-------------|----------------|---------|------------|
| 151NL-C3F3  | 3/4"     | 3/4"        | 1.6            | 10      | \$97.60    |
| 151NL-C4F4  | 1"       | 1"          | 3.0            | 6       | \$105.18   |

## Series 151NL

C903 x C903 x MIP



| Part Number | Run Size | Branch Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|----------|-------------|----------------|---------|------------|
| 151NL-K3M3  | 3/4"     | 3/4"        | 1.7            | 10      | \$105.72   |
| 151NL-K4M4  | 1"       | 1"          | 2.9            | 6       | \$145.75   |

## Series 151NL

Copper Flare x Copper Flare x MIP



| Part Number | Run Size | Branch Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|----------|-------------|----------------|---------|------------|
| 151NL-C3M3  | 3/4"     | 3/4"        | 1.5            | 10      | \$67.15    |
| 151NL-C4M4  | 1"       | 1"          | 2.7            | 6       | \$108.41   |

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10

Pricing in U.S. funds.

# Service Line Fittings

## Wye Branches

Rated for 300 PSIG

Service Line Fittings are manufactured by Cambridge Brass to meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSIG rated. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are used in our Compression fittings.

### Series 152NL

Campak x Campak x Campak



| Part Number | Inlet Size | Branch Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 152NL-B4B3  | 1"         | 3/4"        | 2.0            | 6       | \$87.87    |
| 152NL-B6B4  | 1 1/2"     | 1"          | 3.9            | 3       | \$212.54   |
| 152NL-B7B4  | 2"         | 1"          | 4.6            | 2       | \$245.67   |

### Series 152NL

Haystite x Haystite x Haystite



| Part Number | Inlet Size | Branch Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 152NL-J4J3  | 1"         | 3/4"        | 2.8            | 8       | \$87.87    |

### Series 152NL

Copper Flare x Copper Flare x Copper Flare



| Part Number | Inlet Size | Branch Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 152NL-C4C3  | 1"         | 3/4"        | 2.4            | 6       | \$84.61    |

### Series 152NL

C903 x C903 x C903



| Part Number | Inlet Size | Branch Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 152NL-K4K3  | 1"         | 3/4"        | 2.5            | 8       | \$205.33   |

### Series 1521NL

Grip Joint x Grip Joint x Grip Joint



| Part Number  | Inlet Size | Branch Size | Wt. Each (lbs) | Box Qty | List Price |
|--------------|------------|-------------|----------------|---------|------------|
| 152NL-GJ4GJ3 | 1"         | 3/4"        | 2.1            | 6       | \$87.87    |

### Series 155NL

FIP X (4) FIP'S OUTLETS



| Part Number | Inlet Size | Branch Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 155NL-F7F4  | 2"         | 1"          | 2.3            | 3       | \$171.36   |

### Series 152NL

CB x CB x CB Compression



| Part Number | Inlet Size | Branch Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 152NL-H3H3  | 3/4"       | 3/4"        | 2.0            | 8       | \$87.87    |
| 152NL-H4H3  | 1"         | 3/4"        | 2.1            | 8       | \$87.87    |
| 152NL-H4H4  | 1"         | 1"          | 3.2            | 4       | \$189.80   |
| 152NL-H6H4  | 1 1/2"     | 1"          | 3.8            | 4       | \$212.54   |
| 152NL-H7H4  | 2"         | 1"          | 4.1            | 3       | \$245.67   |

Pricing in U.S. funds.

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10



# U-Branches

## 90 Degree Inlet to Outlet U-Branch

### Series 171NL

90 Degree Inlet to Outlet U-Branch



| Part Number                | Inlet Size | Branch Size | Spread | Wt. Each (lbs) | Box Qty | List Price |
|----------------------------|------------|-------------|--------|----------------|---------|------------|
| Campak x MIP x MIP         |            |             |        |                |         |            |
| 171NL-B4M3                 | 1"         | 3/4"        | 6.5"   | 2.0            | 6       | \$110.82   |
| CB Compression x MIP x MIP |            |             |        |                |         |            |
| 171NL-H4M3                 | 1"         | 3/4"        | 6.5"   | 2.3            | 6       | \$110.82   |

### Series 171NL

Meter Thread x MIP

90 Degree Inlet to Outlet U-Branch



| Part Number | Inlet Size | Branch Size | Spread | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|--------|----------------|---------|------------|
| 171NL-N3M3  | 3/4"       | 3/4"        | 6.5"   | 2.0            | 6       | \$98.65    |
| 171NL-N4M3  | 1"         | 3/4"        | 7.5"   | 2.3            | 6       | \$107.60   |

### Series 172NL

Campak x MIP x MIP

Straight Inlet to Outlet U-Branch



| Part Number    | Inlet Size | Branch Size | Spread | Wt. Each (lbs) | Box Qty | List Price |
|----------------|------------|-------------|--------|----------------|---------|------------|
| 172NL-B4M3     | 1"         | 3/4"        | 5.5"   | 2.7            | 4       | \$95.86    |
| 172NL-B4M36500 | 1"         | 3/4"        | 6.5"   | 2.8            | 6       | \$95.86    |
| 172NL-B4M37500 | 1"         | 3/4"        | 7.5"   | 3.0            | 6       | \$104.80   |

### Series 172NL

Grip Joint x MIP x MIP

Straight Inlet to Outlet U-Branch



| Part Number     | Inlet Size | Branch Size | Spread | Wt. Each (lbs) | Box Qty | List Price |
|-----------------|------------|-------------|--------|----------------|---------|------------|
| 172NL-GJ4M3     | 1"         | 3/4"        | 6.5"   | 1.8            | 6       | \$95.86    |
| 172NL-GJ4M37500 | 1"         | 3/4"        | 7.5"   | 2.0            | 6       | \$104.80   |

### Series 172NL

FIP x MIP x MIP

Straight Inlet to Outlet U-Branch



| Part Number    | Inlet Size | Branch Size | Spread | Wt. Each (lbs) | Box Qty | List Price |
|----------------|------------|-------------|--------|----------------|---------|------------|
| 172NL-F4M36500 | 1"         | 3/4"        | 6.5"   | 1.8            | 6       | \$82.49    |
| 172NL-F4M37500 | 1"         | 3/4"        | 7.5"   | 2.0            | 6       | \$91.34    |

### Series 172NL

CB Compression x MIP x MIP

Straight Inlet to Outlet U-Branch



| Part Number    | Inlet Size | Branch Size | Spread | Wt. Each (lbs) | Box Qty | List Price |
|----------------|------------|-------------|--------|----------------|---------|------------|
| 172NL-H4M3     | 1"         | 3/4"        | 5.5"   | 2.5            | 4       | \$95.86    |
| 172NL-H4M36500 | 1"         | 3/4"        | 6.5"   | 2.5            | 6       | \$95.86    |
| 172NL-H4M37500 | 1"         | 3/4"        | 7.5"   | 2.7            | 6       | \$104.80   |
| 172NL-H6M4     | 1 1/2"     | 1"          | 9"     | 4.3            | 2       | \$189.08   |

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10

Pricing in U.S. funds.

# Service Line Fittings

## U-Branches

### Straight Inlet to Outlet U-Branch

#### Series 172NL

Haystite x MIP x MIP



| Part Number    | Inlet Size | Branch Size | Spread | Wt. Each (lbs) | Box Qty | List Price |
|----------------|------------|-------------|--------|----------------|---------|------------|
| 172NL-J4M3     | 1"         | 3/4"        | 5.5"   | 2.5            | 4       | \$95.86    |
| 172NL-J4B36500 | 1"         | 3/4"        | 6.5"   | 2.5            | 6       | \$95.86    |
| 172NL-J4M37500 | 1"         | 3/4"        | 7.5"   | 2.5            | 6       | \$104.80   |

#### Series 172NL

MIP x MIP x MIP



| Part Number    | Inlet Size | Branch Size | Spread | Wt. Each (lbs) | Box Qty | List Price |
|----------------|------------|-------------|--------|----------------|---------|------------|
| 172NL-M3M1     | 3/4"       | 1/2"        | 5.5"   | 1.8            | 10      | \$87.21    |
| 172NL-M3M3     | 3/4"       | 3/4"        | 5.6"   | 1.8            | 5       | \$87.21    |
| 172NL-M4M3     | 1"         | 3/4"        | 5.6"   | 1.8            | 5       | \$87.21    |
| 172NL-M4M37500 | 1"         | 3/4"        | 7.5"   | 1.8            | 6       | \$87.21    |

## U-Branches - 4 Outlet

### Straight Inlet to Outlet U-Branch

#### Series 173NL

CB Compression x MIP x MIP x FIP x FIP



| Part Number  | Inlet Size | Branch Size | Spread | Wt. Each (lbs) | Box Qty | List Price |
|--------------|------------|-------------|--------|----------------|---------|------------|
| 173NL-H6M4F4 | 1 1/2"     | 1"          | 6.5"   | 3.9            | 2       | \$184.91   |
| 173NL-H7M4F4 | 2"         | 1"          | 7.5"   | 4.5            | 2       | \$226.68   |

Pricing in U.S. funds.

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10

## Nut Assemblies & Accessories

### Series 81

Campak Compression Nut  
& Gasket



| Part Number | Size   | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------|----------------|---------|------------|
| 81-B1       | 1/2"   | 0.3            | 75      | \$9.38     |
| 81-B2       | 5/8"   | 0.3            | 60      | \$10.22    |
| 81-B3       | 3/4"   | 0.3            | 50      | \$10.22    |
| 81-B4       | 1"     | 0.5            | 35      | \$15.72    |
| 81-B5       | 1 1/4" | 0.7            | 30      | \$27.36    |
| 81-B6       | 1 1/2" | 1.2            | 15      | \$48.03    |
| 81-B7       | 2"     | 1.7            | 10      | \$62.63    |

### Series 81

Copper Flare Nut with  
Electrical Connection



| Part Number | Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------|----------------|---------|------------|
| 81-CE3      | 3/4" | 0.4            | 75      | \$19.10    |
| 81-CE4      | 1"   | 0.5            | 60      | \$29.03    |

### Series 81

Dual Purpose Nut



| Part Number | Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------|----------------|---------|------------|
| 81NL-D3     | 3/4" |                | 40      | \$23.31    |
| 81NL-D4     | 1"   |                | 15      | \$35.49    |

### Series 81

CB Compression Nut  
& Gasket



| Part Number | Size   | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------|----------------|---------|------------|
| 81-H1       | 1/2"   | 0.3            | 75      | \$9.38     |
| 81-H2       | 5/8"   | 0.3            | 75      | \$3.73     |
| 81-H3       | 3/4"   | 0.4            | 60      | \$10.22    |
| 81-H4       | 1"     | 0.6            | 36      | \$15.72    |
| 81-H5       | 1 1/4" | 0.7            | 30      | \$27.36    |
| 81-H6       | 1 1/2" | 0.8            | 25      | \$48.03    |
| 81-H7       | 2"     | 1.1            | 24      | \$62.63    |

### Series 81

Copper Flare Nut



| Part Number | Size   | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------|----------------|---------|------------|
| 81-C1       | 1/2"   | 0.3            | 75      | \$5.23     |
| 81-C2       | 5/8"   | 0.3            | 60      | \$8.63     |
| 81-C3       | 3/4"   | 0.3            | 60      | \$8.63     |
| 81-C4       | 1"     | 0.6            | 35      | \$14.28    |
| 81-C5       | 1 1/4" | 0.9            | 30      | \$20.85    |
| 81-C6       | 1 1/2" | 1.0            | 25      | \$39.82    |
| 81-C7       | 2"     | 1.4            | 10      | \$74.22    |

### Series 81

Grip Joint Compression  
Nut & Gasket



| Part Number | Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------|----------------|---------|------------|
| 81-GJ3      | 3/4" | 0.8            | 60      | \$15.72    |
| 81-GJ4      | 1"   | 0.8            | 24      | \$19.29    |

### Series 81

CB Compression Nut &  
Gasket Electrical



| Part Number | Size   | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------|----------------|---------|------------|
| 81-HE3      | 3/4"   | 0.6            | 36      | \$29.70    |
| 81-HE4      | 1"     | 0.7            | 25      | \$33.31    |
| 81-HE6      | 1 1/2" | 1.4            | 10      | \$62.01    |
| 81-HE7      | 2"     | 1.7            | 10      | \$77.97    |

### Series 81

IP (Galvanized) Pipe Nut  
& Gasket



| Part Number | Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------|----------------|---------|------------|
| 81-IP1      | 1/2" | 0.3            | 75      | \$10.96    |
| 81-IP3      | 3/4" | 0.4            | 60      | \$10.96    |
| 81-IP4      | 1"   | 0.6            | 40      | \$19.07    |

• Insert stiffeners are required for all connections using plastic flexible pipe see page 108  
• See installation instructions on page 10

Pricing in U.S. funds.

## Nut Assemblies & Accessories

### Series 81

Haystite Nut & Gasket



| Part Number | Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------|----------------|---------|------------|
| 81-J3       | 3/4" | 0.3            | 60      | \$15.72    |
| 81-J4       | 1"   | 0.6            | 24      | \$19.29    |

### Series 81

C903 Nut & Insert



| Part Number | Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------|----------------|---------|------------|
| 81NL-K3     | 3/4" | 0.4            | 50      | \$54.91    |
| 81NL-K4     | 1"   | 0.8            | 24      | \$72.53    |

### Series 81

C903 Nut & Insert Electrical



| Part Number | Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------|----------------|---------|------------|
| 81NL-KE3    | 3/4" | 0.5            | 40      | \$61.37    |
| 81NL-KE4    | 1"   | 0.8            | 30      | \$87.51    |

### Series 81

C903 Gasket Kit

Includes 2 small and 1 large O-rings



| Part Number | Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------|----------------|---------|------------|
| 81-KO3      | 3/4" | 0.1            | 10      | \$0.95     |
| 81-KO4      | 1"   | 0.1            | 10      | \$1.01     |

### Series 81

PE SDR7 Compression Nut & Gasket



| Part Number | Size   | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------|----------------|---------|------------|
| 81-PE3      | 3/4"   | 0.4            | 50      | \$17.17    |
| 81-PE4      | 1"     | 0.6            | 35      | \$28.15    |
| 81-PE5      | 1 1/4" | 0.7            | 30      | \$44.33    |
| 81-PE6      | 1 1/2" | 1.3            | 15      | \$62.93    |
| 81-PE7      | 2"     | 1.8            | 10      | \$59.88    |

Pricing in U.S. funds.

### Series 81

PVC/IPS Nut & Gasket



| Part Number | Size   | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------|----------------|---------|------------|
| 81-PJ3      | 3/4"   | 0.3            | 50      | \$13.22    |
| 81-PJ4      | 1"     | 0.5            | 35      | \$28.05    |
| 81-PJ5      | 1 1/4" | 0.4            | 15      | \$50.23    |
| 81-PJ6      | 1 1/2" | 1.2            | 15      | \$47.10    |
| 81-PJ7      | 2"     | 1.7            | 10      | \$59.02    |

### Series 85

Copper Flare Insert



| Part Number | Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------|----------------|---------|------------|
| 85NL-3      | 3/4" | 0.1            | 10      | \$24.32    |
| 85NL-4      | 1"   | 0.1            | 10      | \$30.28    |

### Series 90

No Lead Plug for CTS Compression Outlets



| Part Number | Size   | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------|----------------|---------|------------|
| 90NL-3      | 3/4"   | 0.4            | 40      | \$67.61    |
| 90NL-4      | 1"     | 0.7            | 25      | \$73.46    |
| 90NL-6      | 1 1/2" | 1.3            | 10      | \$90.63    |
| 90NL-7      | 2"     | 1.9            | 10      | \$128.03   |

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10

## Nut Assemblies & Accessories



### O.D. Tapes

| Part Number | Size | Wt.<br>Each<br>(lbs) | Box<br>Qty | List<br>Price |
|-------------|------|----------------------|------------|---------------|
| A2020000    |      |                      |            | \$30.48       |



### 2" Square Operating Nut (Includes Clevis Pin)

| Part Number | Size | Wt.<br>Each<br>(lbs) | Box<br>Qty | List<br>Price |
|-------------|------|----------------------|------------|---------------|
| SQ-CAP-2    |      | 1.0                  | 20         | \$36.52       |

### Handles



| Part Number | Size      | Wt.<br>Each<br>(lbs) | Box<br>Qty | List<br>Price |
|-------------|-----------|----------------------|------------|---------------|
| HANDLE      | 3/4" & 1" | 0.2                  | 50         | \$9.21        |

### Handles - Special 1 1/2" & 2" (Factory Assembled)



| Part Number | Size | Wt.<br>Each<br>(lbs) | Box<br>Qty | List<br>Price |
|-------------|------|----------------------|------------|---------------|
| 071225A     |      |                      |            | \$28.68       |

- Insert stiffeners are required for all connections using plastic flexible pipe see page 108
- See installation instructions on page 10

Pricing in U.S. funds.

Pricing in U.S. funds.





# CAMBRIDGE BRASS<sup>TM</sup> INC



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## Meter Setters

2025



## Meter Setter Part Numbering

6020NL - 2 07 H 3 H 3 - V Q B

| Series Number   | Meter Size  | Setter Height  | Inlet Connection   | Inlet Size                                 | Outlet Connection | Outlet Size                                | Inlet Option   | Outlet Option  | By-Pass   |
|---|---|--|--|--|-------------------|--|--|--|---|
|   | 5/8" = 1<br>5/8" x 3/4" = 2<br>3/4" = 3<br>1" = 4<br>1 1/2" = 6<br>2" = 7 | 7" = 07<br>9" = 09<br>10" = 10<br>12" = 12<br>15" = 15<br>18" = 18<br><br>Note:<br>Standard starting height on 1" setters is 10"<br><br>Standard starting height on 1 1/2" and 2" is 12" |  | 3/4" = 3<br>1" = 4<br>1 1/2" = 6<br>2" = 7 |                   | 3/4" = 3<br>1" = 4<br>1 1/2" = 6<br>2" = 7 | Angle Plug = AP<br><br>R/Port = V<br><br>Full Port = U<br><br>No Valve = O | Angle Plug = AP<br><br>R/Port = V<br><br>Full Port = U<br><br>Single Check = X<br><br>Dual Check = Q<br><br>Cascading Dual Check = C<br><br>No Valve = O<br><br>No Test Port on Check = QN or XN | Optional on 1 1/2" and 2" Setters & above<br><br>B = 1" Low By-Pass<br><br>HB - 1" High By-Pass |
|   |   |  | <div>B = Campak<br/>C = Copper Flare<br/>D = Dual Purpose<br/>F= Female Iron Pipe<br/>GJ = Grip Joint<br/>H = CB Compression<br/>J = Haystite<br/>K = C903<br/>M = Male Iron Pipe<br/>PE = Connection for PEP (SIDR 7) Size Pipe<br/>PJ = Connection for PVC (IPS) Size Pipe<br/>MF = Meter Flange (6010 Series 1 1/2" &amp; 2" only)<br/>N = Meter Thread (on Series 6010, 6011, 6012 &amp; 6013)</div> |  |                   |  |  |  |   |
| <div>6010NL–Resetter<br/>6011NL–Low Rise Resetter<br/>6012NL–Low Rise Resetter (60 Degree)<br/>6013NL–Low Rise Resetter (45 Degree)<br/>6020NL–Meter Setter (Horizontal Inlet &amp; Outlet)<br/>6022NL–Meter Setter (Vertical Inlet &amp; Horizontal Outlet)<br/>6030NL–Straight Line Setter (Horizontal Inlet &amp; Outlet)<br/>6031NL–Straight Line Setter (Horizontal Inlet &amp; Outlet with 15" Leg Extension)<br/>6032NL–Straight Line Setter (Horizontal Inlet &amp; Outlet with 18" Leg Extension)<br/>6034NL–Straight Line Setter (Vertical Inlet &amp; Outlet)<br/>6035NL–Straight Line Setter (Horizontal Inlet &amp; Vertical Outlet)<br/>6040NL–Meter Setter (Vertical Inlet &amp; Outlet)<br/>6050NL–Brass Pit Setter (Horizontal Inlet &amp; Outlet) inside pit diameter 18"<br/>6060NL–Line Setters (Horizontal Inlet &amp; Outlet)<br/>6065NL–Line Setters (Angle Inlet &amp; Horizontal Outlet)</div> |   |  |  |  |                   |  |  |  |   |

Pricing in U.S. funds.

## Meter Resetters

For 5/8", 5/8" x 3/4", or 1" Meters

Meter Resetters allow you to reset a meter incorporating an inlet or outlet shut off or check valve while offering several height options. See Options list below for details. For additional information or support contact customer service. Meter Setters are made to order and not returnable.



### Series 6010NL 5/8" Size Meter

| Part Number       | Wt. Each (lbs) | Box Qty | List Price |
|-------------------|----------------|---------|------------|
| 6010NL-107N1N1-VO | 3.5            | 12      | \$215.81   |
| 6010NL-109N1N1-VO | 3.5            | 6       | \$218.48   |
| 6010NL-112N1N1-VO | 5.0            | 6       | \$316.18   |
| 6010NL-115N1N1-VO | 5.0            | 6       | \$235.21   |
| 6010NL-118N1N1-VO | 5.5            | 6       | \$266.63   |
| 6010NL-121N1N1-VO | 6.0            | 6       | \$275.46   |
| 6010NL-124N1N1-VO | 6.3            | 6       | \$285.07   |

### Series 6010NL

5/8" x 3/4" Size Meter

| Part Number       | Wt. Each (lbs) | Box Qty | List Price |
|-------------------|----------------|---------|------------|
| 6010NL-207N2N2-VO | 4.8            | 12      | \$224.31   |
| 6010NL-209N2N2-VO | 4.5            | 6       | \$226.91   |
| 6010NL-212N2N2-VO | 5.5            | 6       | \$234.32   |
| 6010NL-215N2N2-VO | 5.9            | 6       | \$243.52   |
| 6010NL-218N2N2-VO | 7.3            | 6       | \$275.36   |
| 6010NL-221N2N2-VO | 7.5            | 6       | \$284.19   |
| 6010NL-224N2N2-VO | 7.8            | 6       | \$293.77   |

### Series 6010NL 1" Size Meter

| Part Number       | Wt. Each (lbs) | Box Qty | List Price |
|-------------------|----------------|---------|------------|
| 6010NL-410N4N4-VO | 8.5            | 6       | \$464.19   |
| 6010NL-412N4N4-VO | 9.7            | 6       | \$473.63   |
| 6010NL-415N4N4-VO | 10.1           | 6       | \$485.07   |
| 6010NL-418N4N4-VO | 11.0           | 1       | \$552.71   |
| 6010NL-421N4N4-VO | 11.4           | 1       | \$577.33   |
| 6010NL-424N4N4-VO | 11.6           | 1       | \$595.31   |

| Options (Add or Subtract from Price)                        | Suffix | Meter Size 5/8" | Meter Size 5/8" x 3/4" | Meter Size 1" |
|---|--------|-----------------|------------------------|---------------|
| Ball Valves Reduced Port (Use "V" in model number)          | V      | \$87.97         | \$87.97                | \$176.50      |
| Ball Valve Full Port (Use "U" in model number)              | U      | \$160.63        | \$160.63               | \$241.97      |
| Single Check Valves (Use "X" in model number)               | X      | \$79.86         | \$79.86                | \$95.98       |
| Dual Check Valves (Use "Q" in model number)                 | Q      | \$160.79        | \$160.79               | \$152.48      |
| Cascading Dual Check Valve (Use "C" in the model number)    | C      | \$160.42        | \$160.42               | \$166.74      |
| Angle Plug Valve (Use "AP" in model number)                 | AP     | \$72.39         | \$72.39                | \$110.97      |
| Setter Height for every 3" above listed height add to Price |        | \$9.83          | \$9.83                 | \$15.75       |

Note: All meter setters come standard with reduced port ball valve x meter nut

Pricing in U.S. funds.

## Meter Setters

### Meter Resetters - No Bypass

For 1 1/2" or 2" Meters

Meter Resetters allow you to reset a meter incorporating an inlet or outlet shut off or check valve while offering several height options. For additional information or support contact customer service. Meter Setters are made to order and not returnable.

| Meter Size | Height | Inlet Valve | Outlet Valve | Part Number         | List Price |
|------------|--------|-------------|--------------|---------------------|------------|
| 1 1/2"     | 12"    | None        | None         | 6010NL-612MF6MF6-OO | \$2,126.99 |
| 1 1/2"     | 15"    | None        | None         | 6010NL-615MF6MF6-OO | \$2,126.99 |
| 1 1/2"     | 18"    | None        | None         | 6010NL-618MF6MF6-OO | \$2,183.02 |
| 1 1/2"     | 21"    | None        | None         | 6010NL-621MF6MF6-OO | \$2,243.24 |
| 1 1/2"     | 24"    | None        | None         | 6010NL-624MF6MF6-OO | \$2,257.06 |
| 2"         | 12"    | None        | None         | 6010NL-712MF7MF7-OO | \$2,379.77 |
| 2"         | 15"    | None        | None         | 6010NL-715MF7MF7-OO | \$2,379.77 |
| 2"         | 18"    | None        | None         | 6010NL-718MF7MF7-OO | \$2,379.77 |
| 2"         | 21"    | None        | None         | 6010NL-721MF7MF7-OO | \$2,455.09 |
| 2"         | 24"    | None        | None         | 6010NL-724MF7MF7-OO | \$2,533.85 |
| 1 1/2"     | 12"    | Ball        | None         | 6010NL-612MF6MF6-UO | \$2,442.94 |
| 1 1/2"     | 15"    | Ball        | None         | 6010NL-615MF6MF6-UO | \$2,444.49 |
| 1 1/2"     | 18"    | Ball        | None         | 6010NL-618MF6MF6-UO | \$2,499.02 |
| 1 1/2"     | 21"    | Ball        | None         | 6010NL-621MF6MF6-UO | \$2,547.52 |
| 1 1/2"     | 24"    | Ball        | None         | 6010NL-624MF6MF6-UO | \$2,596.04 |
| 2"         | 12"    | Ball        | None         | 6010NL-712MF7MF7-UO | \$2,701.70 |
| 2"         | 15"    | Ball        | None         | 6010NL-715MF7MF7-UO | \$2,701.70 |
| 2"         | 18"    | Ball        | None         | 6010NL-718MF7MF7-UO | \$2,777.05 |
| 2"         | 21"    | Ball        | None         | 6010NL-721MF7MF7-UO | \$2,778.80 |
| 2"         | 24"    | Ball        | None         | 6010NL-724MF7MF7-UO | \$2,855.83 |

Pricing in U.S. funds.

## Meter Resetters - No Bypass

For 1 1/2" or 2" Meters

Meter Resetters allow you to reset a meter incorporating an inlet or outlet shut off or check valve while offering several height options. For additional information or support contact customer service. Meter Setters are made to order and not returnable.

| Meter Size | Height | Inlet Valve | Outlet Valve | Part Number         | List Price |
|------------|--------|-------------|--------------|---------------------|------------|
| 1 1/2"     | 12"    | Ball        | Ball         | 6010NL-612MF6MF6-UU | \$2,758.92 |
| 1 1/2"     | 15"    | Ball        | Ball         | 6010NL-615MF6MF6-UU | \$2,758.92 |
| 1 1/2"     | 18"    | Ball        | Ball         | 6010NL-618MF6MF6-UU | \$2,814.96 |
| 1 1/2"     | 21"    | Ball        | Ball         | 6010NL-621MF6MF6-UU | \$2,863.06 |
| 1 1/2"     | 24"    | Ball        | Ball         | 6010NL-624MF6MF6-UU | \$2,947.95 |
| 2"         | 12"    | Ball        | Ball         | 6010NL-712MF7MF7-UU | \$3,023.66 |
| 2"         | 15"    | Ball        | Ball         | 6010NL-715MF7MF7-UU | \$3,023.66 |
| 2"         | 18"    | Ball        | Ball         | 6010NL-718MF7MF7-UU | \$3,100.80 |
| 2"         | 21"    | Ball        | Ball         | 6010NL-721MF7MF7-UU | \$3,177.80 |
| 2"         | 24"    | Ball        | Ball         | 6010NL-724MF7MF7-UU | \$3,253.15 |
| 1 1/2"     | 12"    | Ball        | Dual Check   | 6010NL-612MF6MF6-UQ | \$2,874.55 |
| 1 1/2"     | 15"    | Ball        | Dual Check   | 6010NL-615MF6MF6-UQ | \$2,874.55 |
| 1 1/2"     | 18"    | Ball        | Dual Check   | 6010NL-618MF6MF6-UQ | \$2,874.55 |
| 1 1/2"     | 21"    | Ball        | Dual Check   | 6010NL-621MF6MF6-UQ | \$2,935.78 |
| 1 1/2"     | 24"    | Ball        | Dual Check   | 6010NL-624MF6MF6-UQ | \$2,997.00 |
| 2"         | 12"    | Ball        | Dual Check   | 6010NL-712MF7MF7-UQ | \$3,036.25 |
| 2"         | 15"    | Ball        | Dual Check   | 6010NL-715MF7MF7-UQ | \$3,036.25 |
| 2"         | 18"    | Ball        | Dual Check   | 6010NL-718MF7MF7-UQ | \$3,036.25 |
| 2"         | 21"    | Ball        | Dual Check   | 6010NL-721MF7MF7-UQ | \$3,114.15 |
| 2"         | 24"    | Ball        | Dual Check   | 6010NL-724MF7MF7-UQ | \$3,189.50 |

| Options (Add or Subtract from Price)                        | Suffix | Meter Size<br>1 1/2" | Meter Size<br>2" |
|---|--------|----------------------|------------------|
| Ball Valve Full Port (Use "U" in model number)              | U      | \$315.96             | \$321.97         |
| Dual Check Valve (Use "Q" in model number)                  | Q      | \$464.90             | \$338.70         |
| Setter Height for every 3" above listed height add to Price |        | \$61.23              | \$75.35          |
| By-Pass   |        | \$165.85             | \$165.85         |
| High-Pass   |        | \$773.40             | \$818.53         |

Pricing in U.S. funds.



## Meter Resetters - With Bypass

Meter resetters allow you to reset a meter incorporating an inlet or outlet shut off or check valve while offering several height options. It also offers several options for taps to incorporate pressure relief valves or sampling valves before or after the meter. Depending on valve configurations, minimum heights may vary. Meter Setters are made to order and not returnable.

| Meter Size | Height | Inlet Valve | Outlet Valve | Part Number          | List Price |
|------------|--------|-------------|--------------|----------------------|------------|
| 1 1/2"     | 12"    | Ball        | Ball         | 6010NL-612MF6MF6-UUB | \$2,924.75 |
| 1 1/2"     | 15"    | Ball        | Ball         | 6010NL-615MF6MF6-UUB | \$2,924.75 |
| 1 1/2"     | 18"    | Ball        | Ball         | 6010NL-618MF6MF6-UUB | \$2,980.82 |
| 1 1/2"     | 21"    | Ball        | Ball         | 6010NL-621MF6MF6-UUB | \$3,047.25 |
| 1 1/2"     | 24"    | Ball        | Ball         | 6010NL-624MF6MF6-UUB | \$3,113.74 |
| 2"         | 12"    | Ball        | Ball         | 6010NL-712MF7MF7-UUB | \$3,187.85 |
| 2"         | 15"    | Ball        | Ball         | 6010NL-715MF7MF7-UUB | \$3,187.85 |
| 2"         | 18"    | Ball        | Ball         | 6010NL-718MF7MF7-UUB | \$3,263.20 |
| 2"         | 21"    | Ball        | Ball         | 6010NL-721MF7MF7-UUB | \$3,265.73 |
| 2"         | 24"    | Ball        | Ball         | 6010NL-724MF7MF7-UUB | \$3,343.62 |
| 1 1/2"     | 12"    | Ball        | Dual Check   | 6010NL-612MF6MF6-UQB | \$3,073.61 |
| 1 1/2"     | 15"    | Ball        | Dual Check   | 6010NL-615MF6MF6-UQB | \$3,073.61 |
| 1 1/2"     | 18"    | Ball        | Dual Check   | 6010NL-618MF6MF6-UQB | \$3,129.79 |
| 1 1/2"     | 21"    | Ball        | Dual Check   | 6010NL-621MF6MF6-UQB | \$3,196.26 |
| 1 1/2"     | 24"    | Ball        | Dual Check   | 6010NL-624MF6MF6-UQB | \$3,257.49 |
| 2"         | 12"    | Ball        | Dual Check   | 6010NL-712MF7MF7-UQB | \$3,202.07 |
| 2"         | 15"    | Ball        | Dual Check   | 6010NL-715MF7MF7-UQB | \$3,202.07 |
| 2"         | 18"    | Ball        | Dual Check   | 6010NL-718MF7MF7-UQB | \$3,202.07 |
| 2"         | 21"    | Ball        | Dual Check   | 6010NL-721MF7MF7-UQB | \$3,282.48 |
| 2"         | 24"    | Ball        | Dual Check   | 6010NL-724MF7MF7-UQB | \$3,357.84 |

Pricing in U.S. funds.



# Meter Resetters - With Bypass

Meter resetters allow you to reset a meter incorporating an inlet or outlet shut off or check valve while offering several height options. It also offers several options for taps to incorporate pressure relief valves or sampling valves before or after the meter. Depending on valve configurations, minimum heights may vary. Meter Setters are made to order and not returnable.

| Meter Size | Height | Inlet Valve | Outlet Valve | Part Number           | List Price |
|------------|--------|-------------|--------------|-----------------------|------------|
| 1 1/2"     | 12"    | Ball        | Ball         | 6010NL-612MF6MF6-UUHB | \$3,698.00 |
| 1 1/2"     | 15"    | Ball        | Ball         | 6010NL-615MF6MF6-UUHB | \$3,698.00 |
| 1 1/2"     | 18"    | Ball        | Ball         | 6010NL-618MF6MF6-UUHB | \$3,755.33 |
| 1 1/2"     | 21"    | Ball        | Ball         | 6010NL-621MF6MF6-UUHB | \$3,803.86 |
| 1 1/2"     | 24"    | Ball        | Ball         | 6010NL-624MF6MF6-UUHB | \$3,891.43 |
| 2"         | 12"    | Ball        | Ball         | 6010NL-712MF7MF7-UUHB | \$3,931.04 |
| 2"         | 15"    | Ball        | Ball         | 6010NL-715MF7MF7-UUHB | \$3,931.04 |
| 2"         | 18"    | Ball        | Ball         | 6010NL-718MF7MF7-UUHB | \$4,006.38 |
| 2"         | 21"    | Ball        | Ball         | 6010NL-721MF7MF7-UUHB | \$4,084.28 |
| 2"         | 24"    | Ball        | Ball         | 6010NL-724MF7MF7-UUHB | \$4,162.15 |
| 1 1/2"     | 12"    | Ball        | Dual Check   | 6010NL-612MF6MF6-UQHB | \$3,828.92 |
| 1 1/2"     | 15"    | Ball        | Dual Check   | 6010NL-615MF6MF6-UQHB | \$3,828.92 |
| 1 1/2"     | 18"    | Ball        | Dual Check   | 6010NL-618MF6MF6-UQHB | \$3,904.25 |
| 1 1/2"     | 21"    | Ball        | Dual Check   | 6010NL-621MF6MF6-UQHB | \$3,952.79 |
| 1 1/2"     | 24"    | Ball        | Dual Check   | 6010NL-624MF6MF6-UQHB | \$4,037.28 |
| 2"         | 12"    | Ball        | Dual Check   | 6010NL-712MF7MF7-UQHB | \$3,947.79 |
| 2"         | 15"    | Ball        | Dual Check   | 6010NL-715MF7MF7-UQHB | \$3,947.79 |
| 2"         | 18"    | Ball        | Dual Check   | 6010NL-718MF7MF7-UQHB | \$4,023.13 |
| 2"         | 21"    | Ball        | Dual Check   | 6010NL-721MF7MF7-UQHB | \$4,101.02 |
| 2"         | 24"    | Ball        | Dual Check   | 6010NL-724MF7MF7-UQHB | \$4,178.92 |

| Options (Add or Subtract from Price)                     | Suffix | Meter Size<br>1 1/2" | Meter Size<br>2" |
|--|--------|----------------------|------------------|
| Ball Valve Full Port (Use "U" in the model number)       | U      | \$315.96             | \$321.97         |
| Dual Check Valve (Use "Q" in the model number)           | Q      | \$464.90             | \$338.70         |
| Setter Height for every 3" above 18" height add to Price |        | \$61.23              | \$75.35          |
| Check Valve Without Test Port                            | N      | N/C                  | N/C              |
| Tall Cap on Test Port                                    | P      | N/C                  | N/C              |
| For setters 36" or taller call factory for Pricing       |        |                      |                  |

Pricing in U.S. funds.

## Low Rise Meter Resetters

For additional information or support contact customer service. Meter Setters are made to order and not returnable.  
Note: All meter setters come standard with reduced port ball valve x meter nut.



### Series 6011NL

5/8" Size Meter

| Part Number     | Wt. Each (lbs) | Box Qty | List Price |
|-----------------|----------------|---------|------------|
| 6011NL-1N1N1-VO | 4.2            | 6       | \$242.10   |

### Series 6011NL

5/8" x 3/4" Size Meter

| Part Number     | Wt. Each (lbs) | Box Qty | List Price |
|-----------------|----------------|---------|------------|
| 6011NL-2N2N2-VO | 7.8            | 6       | \$242.10   |

### Series 6011NL

1" Size Meter

| Part Number     | Wt. Each (lbs) | Box Qty | List Price |
|-----------------|----------------|---------|------------|
| 6011NL-4N4N4-VO | 8.0            | 5       | \$594.65   |

| Options (Add or Subtract from Price)                        | Suffix | Meter Size 5/8" | Meter Size 5/8" x 3/4" | Meter Size 1" |
|---|--------|-----------------|------------------------|---------------|
| Ball Valves Reduced Port (Use "V" in model number)          | V      | \$87.97         | \$87.97                | \$176.50      |
| Ball Valve Full Port (Use "U" in model number)              | U      | \$160.63        | \$160.63               | \$241.97      |
| Single Check Valves (Use "X" in model number)               | X      | \$79.86         | \$79.86                | \$95.98       |
| Dual Check Valves (Use "Q" in model number)                 | Q      | \$160.79        | \$160.79               | \$152.48      |
| Cascading Dual Check Valve (Use "C" in the model number)    | C      | \$160.42        | \$160.42               | \$166.74      |
| Angle Plug Valve (Use "AP" in model number)                 | AP     | \$72.39         | \$72.39                | \$110.97      |
| Setter Height for every 3" above listed height add to Price |        | \$9.83          | \$9.83                 | \$15.75       |

Pricing in U.S. funds.

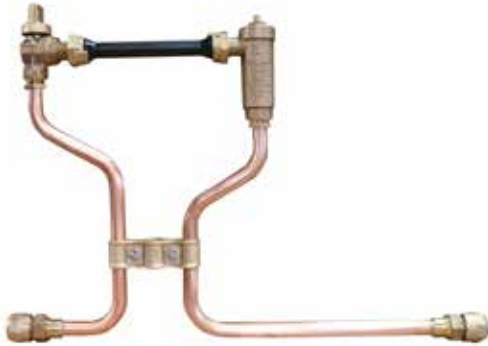
# Straight Line Copper Setters

For 5/8", 5/8" x 3/4", 3/4" or 1" Meters

Horizontal Inlet and Outlet Meter Resetter

See page 144 for options. For additional information or support contact customer service. Meter Setters are made to order and not returnable.

Note: For Vertical Inlet & Outlet Change Series Number To 6035NL (Use Same Price As 6030NL Series)



**Series 6030NL**  
5/8" Size Meter

| Part Number       | List Price |
|-------------------|------------|
| 6030NL-112M3M3-VO | \$272.45   |
| 6030NL-115M3M3-VO | \$278.85   |
| 6030NL-118M3M3-VO | \$310.83   |
| 6030NL-121M3M3-VO | \$322.62   |
| 6030NL-124M3M3-VO | \$332.22   |

## Series 6030NL

5/8" x 3/4" Size Meter

| Part Number       | List Price |
|-------------------|------------|
| 6030NL-212M3M3-VO | \$278.43   |
| 6030NL-215M3M3-VO | \$284.85   |
| 6030NL-218M3M3-VO | \$316.74   |
| 6030NL-221M3M3-VO | \$328.50   |
| 6030NL-224M3M3-VO | \$338.06   |

## Series 6030NL

3/4" Size Meter

| Part Number       | List Price |
|-------------------|------------|
| 6030NL-312M3M3-VO | \$320.20   |
| 6030NL-315M3M3-VO | \$334.18   |
| 6030NL-318M3M3-VO | \$361.68   |
| 6030NL-321M3M3-VO | \$374.54   |
| 6030NL-324M3M3-VO | \$387.67   |

## Series 6030NL

1" Size Meter

| Part Number       | List Price |
|-------------------|------------|
| 6030NL-415M4M4-VO | \$479.22   |
| 6030NL-418M4M4-VO | \$527.77   |
| 6030NL-421M4M4-VO | \$551.05   |
| 6030NL-424M4M4-VO | \$565.13   |

Pricing in U.S. funds.

## Straight Line Copper Setters

Options for 6030NL Series Setters

Meter Setters are made to order and not returnable.

| Options (Add or Subtract from Price)                        | Suffix | Meter Size<br>5/8" | Meter Size<br>5/8" x 3/4" | Meter Size<br>1" |
|---|--------|--------------------|---------------------------|------------------|
| Ball Valves Reduced Port (Use "V" in model number)          | V      | \$87.97            | \$87.97                   | \$176.50         |
| Ball Valve Full Port (Use "U" in model number)              | U      | \$160.63           | \$160.63                  | \$241.97         |
| Single Check Valves (Use "X" in model number)               | X      | \$79.86            | \$79.86                   | \$95.98          |
| Dual Check Valves (Use "Q" in model number)                 | Q      | \$160.79           | \$160.79                  | \$152.48         |
| Cascading Dual Check Valve (Use "C" in the model number)    | C      | \$160.42           | \$160.42                  | \$166.74         |
| Angle Plug Valve (Use "AP" in model number)                 | AP     | \$72.39            | \$72.39                   | \$110.97         |
| Setter Height for every 3" above listed height add to Price |        | \$9.83             | \$9.83                    | \$15.75          |

| Extension Leg Options - Price is per extension | Meter Size<br>5/8" | Meter Size<br>5/8" x 3/4" | Meter Size<br>3/4" | Meter Size<br>1" |
|--|--------------------|---------------------------|--------------------|------------------|
| Series 6031 15"                                | \$27.87            | \$27.87                   | \$36.34            | \$44.76          |
| Series 6032 18"                                | \$33.68            | \$33.68                   | \$43.81            | \$52.92          |
| Series 6034 24"                                | \$42.83            | \$42.83                   | \$55.64            | \$65.65          |

| Inlet Connections Options - Price is per end connection | Meter Size<br>5/8" | Meter Size<br>5/8" x 3/4" | Meter Size<br>3/4" | Meter Size<br>1" |
|---|--------------------|---------------------------|--------------------|------------------|
| C903  |                    | \$27.17                   | \$27.17            | \$37.37          |
| Compression H, B, J or GJ                               | \$11.04            | \$11.04                   | \$11.04            | \$15.57          |
| Copper Flare  | \$5.63             | \$5.63                    | \$5.63             | \$9.16           |
| Dual Purpose  |                    | \$14.63                   | \$14.63            | \$27.26          |
| FIP   |                    | -\$8.29                   | -\$8.29            | -\$14.36         |
| MIP   |                    | -\$8.29                   | -\$8.29            | -\$14.36         |
| PEP   |                    | \$11.31                   | \$11.31            | \$18.56          |
| PJ  |                    | \$8.73                    | \$8.73             | \$18.49          |

Pricing in U.S. funds.

## Vertical Inlet and Outlet Setters

For 5/8", 5/8" x 3/4", 3/4" or 1" Meters

### Vertical Style

Options listed below. For additional information or support contact customer service. Meter Setters are made to order and not returnable.



#### Series 6040NL 5/8" Size Meter

| Part Number       | Wt. Each (lbs) | Box Qty | List Price |
|-------------------|----------------|---------|------------|
| 6040NL-107H3H3-VO |                | 12      | \$216.54   |

#### Series 6040NL 5/8" x 3/4" Size Meter

| Part Number       | Wt. Each (lbs) | Box Qty | List Price |
|-------------------|----------------|---------|------------|
| 6040NL-207H3H3-VO | 4.5            | 12      | \$214.98   |

#### Series 6040NL 3/4" Size Meter

| Part Number       | Wt. Each (lbs) | Box Qty | List Price |
|-------------------|----------------|---------|------------|
| 6040NL-307H3H3-VO | 5              | 6       | \$281.33   |

#### Series 6040NL 1" Size Meter

| Part Number       | Wt. Each (lbs) | Box Qty | List Price |
|-------------------|----------------|---------|------------|
| 6040NL-410H4H4-VO | 6.7            | 6       | \$417.80   |

| Inlet Connections Options (Add or subtract from price) | Meter Size 5/8" | Meter Size 5/8" x 3/4" | Meter Size 3/4" | Meter Size 1" |
|--|-----------------|------------------------|-----------------|---------------|
| CTS Compression, H,B,J or GJ                           | \$11.04         | \$11.04                | \$11.04         | \$15.57       |
| Copper Flare   | \$5.63          | \$5.63                 | \$5.63          | \$9.16        |
| C903   |                 | \$27.17                | \$27.17         | \$37.37       |

| Options (Add or Subtract from Price)                        | Suffix | Meter Size 5/8" | Meter Size 5/8" x 3/4" | Meter Size 1" |
|---|--------|-----------------|------------------------|---------------|
| Ball Valves Reduced Port (Use "V" in model number)          | V      | \$87.97         | \$87.97                | \$176.50      |
| Ball Valve Full Port (Use "U" in model number)              | U      | \$160.63        | \$160.63               | \$241.97      |
| Single Check Valves (Use "X" in model number)               | X      | \$79.86         | \$79.86                | \$95.98       |
| Dual Check Valves (Use "Q" in model number)                 | Q      | \$160.79        | \$160.79               | \$152.48      |
| Cascading Dual Check Valve (Use "C" in the model number)    | C      | \$160.42        | \$160.42               | \$166.74      |
| Angle Plug Valve (Use "AP" in model number)                 | AP     | \$72.39         | \$72.39                | \$110.97      |
| Setter Height for every 3" above listed height add to Price |        | \$9.83          | \$9.83                 | \$15.75       |

Pricing in U.S. funds.

## Meter Setters

### Vertical Inlet and Outlet Setters

#### Vertical Inlet and Outlet Setters for 1 1/2" and 2" Setters

All meter setters come standard with ball valve x flange female iron pipe inlet x outlet unless otherwise specified. See Options below for details. For additional information or support contact customer service. Meter Setters are made to order and not returnable.



#### Series 6040NL

##### 1 1/2" Size Meter

| Part Number       | Wt. Each (lbs) | Box Qty | List Price |
|-------------------|----------------|---------|------------|
| 6040NL-612F6F6-UO |                | 1       | \$1,794.31 |

#### Series 6040NL

##### 2" Size Meter

| Part Number       | Wt. Each (lbs) | Box Qty | List Price |
|-------------------|----------------|---------|------------|
| 6040NL-712F7F7-UO |                | 1       | \$2,236.52 |

| Options (Add or subtract from price)                        | Suffix | Meter Size 1 1/2" | Meter Size 2" |
|---|--------|-------------------|---------------|
| Ball Valve Full Port (Use "U" in the model number)          | U      | \$315.96          | \$321.97      |
| Dual Check Valve (Use "Q" in the model number)              | Q      | \$464.90          | \$338.70      |
| Setter Height for every 3" above listed height add to Price |        | \$61.23           | \$75.35       |
| By-Pass   |        | \$165.85          | \$165.85      |
| High By-Pass  |        | \$773.40          | \$818.53      |
| Check Valve Without Test Port                               | N      | N/C               | N/C           |
| Tall Cap on Test Port                                       | P      | N/C               | N/C           |
| For setters 36" or taller call factory for Pricing          |        |                   |               |

| Inlet Connections Options (Add or subtract from price) | Meter Size 1 1/2" | Meter Size 2" |
|--|-------------------|---------------|
| Compression H, B                                       | \$50.13           | \$62.63       |
| Copper Flare   | \$39.82           | \$74.22       |
| PEP  | \$62.93           | \$59.88       |
| PJ   | \$47.10           | \$59.02       |

Pricing in U.S. funds.



## Horizontal Inlet and Outlet Setters

For 5/8", 5/8" x 3/4", 3/4" or 1" Meters

See page 152 for options. For additional information or support contact customer service. Meter Setters are made to order and not returnable.



### Series 6020NL 5/8" Size Meter

| Part Number       | Wt. Each (lbs) | Box Qty | List Price |
|-------------------|----------------|---------|------------|
| 6020NL-107H3H3-VO |                | 12      | \$242.56   |
| 6020NL-109H3H3-VO |                | 6       | \$245.30   |
| 6020NL-112H3H3-VO |                | 6       | \$252.81   |
| 6020NL-115H3H3-VO |                | 6       | \$262.04   |
| 6020NL-118H3H3-VO |                | 6       | \$293.49   |
| 6020NL-121H3H3-VO |                | 6       | \$302.26   |

### Series 6020NL 5/8" x 3/4" Size Meter

| Part Number       | Wt. Each (lbs) | Box Qty | List Price |
|-------------------|----------------|---------|------------|
| 6020NL-207H3H3-VO |                | 12      | \$247.37   |
| 6020NL-209H3H3-VO |                | 6       | \$249.94   |
| 6020NL-212H3H3-VO |                | 6       | \$257.24   |
| 6020NL-215H3H3-VO |                | 6       | \$266.49   |
| 6020NL-218H3H3-VO |                | 6       | \$298.41   |
| 6020NL-221H3H3-VO |                | 6       | \$307.11   |

### Series 6020NL 3/4" Size Meter

| Part Number       | Wt. Each (lbs) | Box Qty | List Price |
|-------------------|----------------|---------|------------|
| 6020NL-307H3H3-VO |                |         | \$289.55   |
| 6020NL-309H3H3-VO |                |         | \$289.55   |
| 6020NL-312H3H3-VO |                |         | \$297.27   |
| 6020NL-315H3H3-VO |                |         | \$307.64   |
| 6020NL-318H3H3-VO |                |         | \$353.85   |
| 6020NL-321H3H3-VO |                |         | \$369.16   |

### Series 6020NL 1" Size Meter

| Part Number       | Wt. Each (lbs) | Box Qty | List Price |
|-------------------|----------------|---------|------------|
| 6020NL-410H4H4-VO |                | 6       | \$498.60   |
| 6020NL-412H4H4-VO |                | 6       | \$507.99   |
| 6020NL-415H4H4-VO |                | 6       | \$519.40   |
| 6020NL-418H4H4-VO |                | 6       | \$587.13   |
| 6020NL-421H4H4-VO |                | 6       | \$611.75   |

Pricing in U.S. funds.

## Horizontal Inlet and Outlet Setters

### Options for 6020NL Series Setters

Meter Setters are made to order and not returnable.

| Options (Add or Subtract from Price)                        | Suffix | Meter Size<br>5/8" | Meter Size<br>5/8" x 3/4" | Meter Size<br>1" |
|---|--------|--------------------|---------------------------|------------------|
| Ball Valves Reduced Port (Use "V" in model number)          | V      | \$87.97            | \$87.97                   | \$176.50         |
| Ball Valve Full Port (Use "U" in model number)              | U      | \$160.63           | \$160.63                  | \$241.97         |
| Single Check Valves (Use "X" in model number)               | X      | \$79.86            | \$79.86                   | \$95.98          |
| Dual Check Valves (Use "Q" in model number)                 | Q      | \$160.79           | \$160.79                  | \$152.48         |
| Cascading Dual Check Valve (Use "C" in the model number)    | C      | \$160.42           | \$160.42                  | \$166.74         |
| Angle Plug Valve (Use "AP" in model number)                 | AP     | \$72.39            | \$72.39                   | \$110.97         |
| Setter Height for every 3" above listed height add to Price |        | \$9.83             | \$9.83                    | \$15.75          |

| Options  | Meter Size<br>5/8" | Meter Size<br>5/8" x 3/4" | Meter Size<br>3/4" | Meter Size<br>1" |
|--|--------------------|---------------------------|--------------------|------------------|
| Tandem Setter includes "S" Tube and connectors add T to end of series number |                    |                           |                    |                  |
| 7" & 9"  | \$173.24           | \$185.08                  | \$226.45           |                  |
| 12"  | \$173.24           | \$185.08                  | \$226.45           | \$337.96         |
| 15"  | \$152.28           | \$164.07                  | \$205.53           | \$337.96         |
| 18" to 24"   | \$157.22           | \$169.16                  | \$210.57           | \$337.96         |

### Series 440NL

Meter Thread x MIP (Regulator Adaptor for Tandem Setters)

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 440NL-N3M3  | 3/4"       | 3/4"        | 0.8            | 40      | \$22.68    |
| 440NL-N4M4  | 1"         | 1"          | 1.0            | 20      | \$31.14    |

| Inlet Connections - Price is per end connection | Meter Size<br>5/8" | Meter Size<br>5/8" x 3/4" | Meter Size<br>3/4" | Meter Size<br>1" |
|---|--------------------|---------------------------|--------------------|------------------|
| C903  |                    | \$27.17                   | \$27.17            | \$37.37          |
| Compression H, B, J or GJ                       | \$11.04            | \$11.04                   | \$11.04            | \$15.57          |
| Copper Flare                                    | \$5.63             | \$5.63                    | \$5.63             | \$9.16           |
| Dual Purpose                                    |                    | \$14.63                   | \$14.63            | \$27.26          |
| FIP   |                    | -\$8.29                   | -\$8.29            | -\$14.36         |
| MIP   |                    | -\$8.29                   | -\$8.29            | -\$14.36         |
| PEP   |                    | \$11.31                   | \$11.31            | \$18.56          |
| PJ  |                    | \$8.73                    | \$8.73             | \$18.49          |

Pricing in U.S. funds.

## Horizontal Inlet and Outlet Setters

For 1 1/2" or 2" Meters

See page 150 for options. For additional information or support contact customer service.

Meter Setters are made to order and not returnable.



| Meter Size | Height | Inlet | Outlet | Inlet Valve | Outlet Valve | Part Number       | List Price |
|------------|--------|-------|--------|-------------|--------------|-------------------|------------|
| 1 1/2"     | 12"    | FIP   | FIP    | Ball        | None         | 6020NL-612F6F6-UO | \$1,680.71 |
| 1 1/2"     | 15"    | FIP   | FIP    | Ball        | None         | 6020NL-615F6F6-UO | \$1,740.59 |
| 1 1/2"     | 18"    | FIP   | FIP    | Ball        | None         | 6020NL-618F6F6-UO | \$1,792.92 |
| 1 1/2"     | 21"    | FIP   | FIP    | Ball        | None         | 6020NL-621F6F6-UO | \$1,854.48 |
| 1 1/2"     | 24"    | FIP   | FIP    | Ball        | None         | 6020NL-624F6F6-UO | \$1,915.70 |
| 1 1/2"     | 12"    | FIP   | FIP    | Ball        | Ball         | 6020NL-612F6F6-UU | \$1,996.66 |
| 1 1/2"     | 15"    | FIP   | FIP    | Ball        | Ball         | 6020NL-615F6F6-UU | \$2,056.32 |
| 1 1/2"     | 18"    | FIP   | FIP    | Ball        | Ball         | 6020NL-618F6F6-UU | \$2,108.86 |
| 1 1/2"     | 21"    | FIP   | FIP    | Ball        | Ball         | 6020NL-621F6F6-UU | \$2,170.41 |
| 1 1/2"     | 24"    | FIP   | FIP    | Ball        | Ball         | 6020NL-624F6F6-UU | \$2,231.67 |
| 1 1/2"     | 12"    | FIP   | FIP    | Ball        | Dual Check   | 6020NL-612F6F6-UQ | \$2,145.60 |
| 1 1/2"     | 15"    | FIP   | FIP    | Ball        | Dual Check   | 6020NL-615F6F6-UQ | \$2,205.48 |
| 1 1/2"     | 18"    | FIP   | FIP    | Ball        | Dual Check   | 6020NL-618F6F6-UQ | \$2,257.82 |
| 1 1/2"     | 21"    | FIP   | FIP    | Ball        | Dual Check   | 6020NL-621F6F6-UQ | \$2,319.38 |
| 1 1/2"     | 24"    | FIP   | FIP    | Ball        | Dual Check   | 6020NL-624F6F6-UQ | \$2,380.60 |
| 2"         | 12"    | FIP   | FIP    | Ball        | None         | 6020NL-712F7F7-UO | \$1,932.04 |
| 2"         | 15"    | FIP   | FIP    | Ball        | None         | 6020NL-715F7F7-UO | \$2,007.24 |
| 2"         | 18"    | FIP   | FIP    | Ball        | None         | 6020NL-718F7F7-UO | \$2,082.68 |
| 2"         | 21"    | FIP   | FIP    | Ball        | None         | 6020NL-721F7F7-UO | \$2,167.07 |
| 2"         | 24"    | FIP   | FIP    | Ball        | None         | 6020NL-724F7F7-UO | \$2,242.45 |
| 2"         | 12"    | FIP   | FIP    | Ball        | Ball         | 6020NL-712F7F7-UU | \$2,254.01 |
| 2"         | 15"    | FIP   | FIP    | Ball        | Ball         | 6020NL-715F7F7-UU | \$2,329.20 |
| 2"         | 18"    | FIP   | FIP    | Ball        | Ball         | 6020NL-718F7F7-UU | \$2,404.65 |
| 2"         | 21"    | FIP   | FIP    | Ball        | Ball         | 6020NL-721F7F7-UU | \$2,490.67 |
| 2"         | 24"    | FIP   | FIP    | Ball        | Ball         | 6020NL-724F7F7-UU | \$2,566.14 |
| 2"         | 12"    | FIP   | FIP    | Ball        | Dual Check   | 6020NL-712F7F7-UQ | \$2,270.76 |
| 2"         | 15"    | FIP   | FIP    | Ball        | Dual Check   | 6020NL-715F7F7-UQ | \$2,345.96 |
| 2"         | 18"    | FIP   | FIP    | Ball        | Dual Check   | 6020NL-718F7F7-UQ | \$2,421.38 |
| 2"         | 21"    | FIP   | FIP    | Ball        | Dual Check   | 6020NL-721F7F7-UQ | \$2,505.78 |
| 2"         | 24"    | FIP   | FIP    | Ball        | Dual Check   | 6020NL-724F7F7-UQ | \$2,581.18 |

Pricing in U.S. funds.

## Horizontal Inlet and Outlet Setters

For 1 1/2" or 2" Meters

See page 150 for options. For additional information or support contact customer service.  
Meter Setters are made to order and not returnable.



| Meter Size | Height | Inlet | Outlet | Inlet Valve | Outlet Valve | Part Number         | List Price |
|------------|--------|-------|--------|-------------|--------------|---------------------|------------|
| 1 1/2"     | 12"    | FIP   | FIP    | Ball        | Ball         | 6020NL-612F6F6-UUB  | \$2,162.01 |
| 1 1/2"     | 15"    | FIP   | FIP    | Ball        | Ball         | 6020NL-615F6F6-UUB  | \$2,221.77 |
| 1 1/2"     | 18"    | FIP   | FIP    | Ball        | Ball         | 6020NL-618F6F6-UUB  | \$2,274.51 |
| 1 1/2"     | 21"    | FIP   | FIP    | Ball        | Ball         | 6020NL-621F6F6-UUB  | \$2,335.64 |
| 1 1/2"     | 24"    | FIP   | FIP    | Ball        | Ball         | 6020NL-624F6F6-UUB  | \$2,396.88 |
| 1 1/2"     | 12"    | FIP   | FIP    | Ball        | Dual Check   | 6020NL-612F6F6-UQB  | \$2,311.10 |
| 1 1/2"     | 15"    | FIP   | FIP    | Ball        | Dual Check   | 6020NL-615F6F6-UQB  | \$2,370.70 |
| 1 1/2"     | 18"    | FIP   | FIP    | Ball        | Dual Check   | 6020NL-618F6F6-UQB  | \$2,423.01 |
| 1 1/2"     | 21"    | FIP   | FIP    | Ball        | Dual Check   | 6020NL-621F6F6-UQB  | \$2,484.58 |
| 1 1/2"     | 24"    | FIP   | FIP    | Ball        | Dual Check   | 6020NL-624F6F6-UQB  | \$2,546.45 |
| 1 1/2"     | 12"    | FIP   | FIP    | Ball        | Ball         | 6020NL-612F6F6-UUHB | \$2,935.78 |
| 1 1/2"     | 15"    | FIP   | FIP    | Ball        | Ball         | 6020NL-615F6F6-UUHB | \$2,995.65 |
| 1 1/2"     | 18"    | FIP   | FIP    | Ball        | Ball         | 6020NL-618F6F6-UUHB | \$3,047.87 |
| 1 1/2"     | 21"    | FIP   | FIP    | Ball        | Ball         | 6020NL-621F6F6-UUHB | \$3,109.53 |
| 1 1/2"     | 24"    | FIP   | FIP    | Ball        | Ball         | 6020NL-624F6F6-UUHB | \$3,170.76 |
| 1 1/2"     | 12"    | FIP   | FIP    | Ball        | Dual Check   | 6020NL-612F6F6-UQHB | \$3,084.71 |
| 1 1/2"     | 15"    | FIP   | FIP    | Ball        | Dual Check   | 6020NL-615F6F6-UQHB | \$3,144.59 |
| 1 1/2"     | 18"    | FIP   | FIP    | Ball        | Dual Check   | 6020NL-618F6F6-UQHB | \$3,197.00 |
| 1 1/2"     | 21"    | FIP   | FIP    | Ball        | Dual Check   | 6020NL-621F6F6-UQHB | \$3,258.47 |
| 1 1/2"     | 24"    | FIP   | FIP    | Ball        | Dual Check   | 6020NL-624F6F6-UQHB | \$3,319.68 |
| 2"         | 12"    | FIP   | FIP    | Ball        | Ball         | 6020NL-712F7F7-UUB  | \$2,419.23 |
| 2"         | 15"    | FIP   | FIP    | Ball        | Ball         | 6020NL-715F7F7-UUB  | \$2,494.45 |
| 2"         | 18"    | FIP   | FIP    | Ball        | Ball         | 6020NL-718F7F7-UUB  | \$2,569.88 |
| 2"         | 21"    | FIP   | FIP    | Ball        | Ball         | 6020NL-721F7F7-UUB  | \$2,654.26 |
| 2"         | 24"    | FIP   | FIP    | Ball        | Ball         | 6020NL-724F7F7-UUB  | \$2,729.70 |
| 2"         | 12"    | FIP   | FIP    | Ball        | Ball         | 6020NL-712F7F7-UQB  | \$2,435.98 |
| 2"         | 15"    | FIP   | FIP    | Ball        | Ball         | 6020NL-715F7F7-UQB  | \$2,511.18 |
| 2"         | 18"    | FIP   | FIP    | Ball        | Ball         | 6020NL-718F7F7-UQB  | \$2,586.60 |
| 2"         | 21"    | FIP   | FIP    | Ball        | Ball         | 6020NL-721F7F7-UQB  | \$2,671.01 |
| 2"         | 24"    | FIP   | FIP    | Ball        | Ball         | 6020NL-724F7F7-UQB  | \$2,746.41 |
| 2"         | 12"    | FIP   | FIP    | Ball        | Ball         | 6020NL-712F7F7-UUHB | \$3,238.34 |
| 2"         | 15"    | FIP   | FIP    | Ball        | Ball         | 6020NL-715F7F7-UUHB | \$3,313.54 |
| 2"         | 18"    | FIP   | FIP    | Ball        | Ball         | 6020NL-718F7F7-UUHB | \$3,390.64 |
| 2"         | 21"    | FIP   | FIP    | Ball        | Ball         | 6020NL-721F7F7-UUHB | \$3,473.36 |
| 2"         | 24"    | FIP   | FIP    | Ball        | Ball         | 6020NL-724F7F7-UUHB | \$3,548.75 |
| 2"         | 12"    | FIP   | FIP    | Ball        | Ball         | 6020NL-712F7F7-UQHB | \$3,254.32 |
| 2"         | 15"    | FIP   | FIP    | Ball        | Ball         | 6020NL-715F7F7-UQHB | \$3,330.27 |
| 2"         | 18"    | FIP   | FIP    | Ball        | Ball         | 6020NL-718F7F7-UQHB | \$3,405.70 |
| 2"         | 21"    | FIP   | FIP    | Ball        | Ball         | 6020NL-721F7F7-UQHB | \$3,490.10 |
| 2"         | 24"    | FIP   | FIP    | Ball        | Ball         | 6020NL-724F7F7-UQHB | \$3,565.51 |

Pricing in U.S. funds.

## Horizontal Inlet and Outlet Setters

For 1 1/2" or 2" Meters

See page 150 for options. For additional information or support contact customer service.

Meter Setters are made to order and not returnable.



| Meter Size | Height | Inlet | Outlet | Inlet Valve | Outlet Valve | Part Number       | List Price |
|------------|--------|-------|--------|-------------|--------------|-------------------|------------|
| 1 1/2"     | 15"    | CTS   | CTS    | Ball        | None         | 6020NL-615H6H6-UO | \$1,840.23 |
| 1 1/2"     | 18"    | CTS   | CTS    | Ball        | None         | 6020NL-618H6H6-UO | \$1,901.47 |
| 1 1/2"     | 21"    | CTS   | CTS    | Ball        | None         | 6020NL-621H6H6-UO | \$1,962.70 |
| 1 1/2"     | 24"    | CTS   | CTS    | Ball        | None         | 6020NL-624H6H6-UO | \$2,010.88 |
| 1 1/2"     | 15"    | CTS   | CTS    | Ball        | Ball         | 6020NL-615H6H6-UU | \$2,156.20 |
| 1 1/2"     | 18"    | CTS   | CTS    | Ball        | Ball         | 6020NL-618H6H6-UU | \$2,217.42 |
| 1 1/2"     | 21"    | CTS   | CTS    | Ball        | Ball         | 6020NL-621H6H6-UU | \$2,278.66 |
| 1 1/2"     | 24"    | CTS   | CTS    | Ball        | Ball         | 6020NL-624H6H6-UU | \$2,339.85 |
| 1 1/2"     | 15"    | CTS   | CTS    | Ball        | Dual Check   | 6020NL-615H6H6-UQ | \$2,305.13 |
| 1 1/2"     | 18"    | CTS   | CTS    | Ball        | Dual Check   | 6020NL-618H6H6-UQ | \$2,366.36 |
| 1 1/2"     | 21"    | CTS   | CTS    | Ball        | Dual Check   | 6020NL-621H6H6-UQ | \$2,427.59 |
| 1 1/2"     | 24"    | CTS   | CTS    | Ball        | Dual Check   | 6020NL-624H6H6-UQ | \$2,488.79 |
| 2"         | 15"    | CTS   | CTS    | Ball        | None         | 6020NL-715H7H7-UO | \$2,242.41 |
| 2"         | 18"    | CTS   | CTS    | Ball        | None         | 6020NL-718H7H7-UO | \$2,317.77 |
| 2"         | 21"    | CTS   | CTS    | Ball        | None         | 6020NL-721H7H7-UO | \$2,393.14 |
| 2"         | 24"    | CTS   | CTS    | Ball        | None         | 6020NL-724H7H7-UO | \$2,468.46 |
| 2"         | 15"    | CTS   | CTS    | Ball        | Ball         | 6020NL-715H7H7-UU | \$2,564.39 |
| 2"         | 18"    | CTS   | CTS    | Ball        | Ball         | 6020NL-718H7H7-UU | \$2,639.75 |
| 2"         | 21"    | CTS   | CTS    | Ball        | Ball         | 6020NL-721H7H7-UU | \$2,715.10 |
| 2"         | 24"    | CTS   | CTS    | Ball        | Ball         | 6020NL-724H7H7-UU | \$2,790.45 |
| 2"         | 15"    | CTS   | CTS    | Ball        | Dual Check   | 6020NL-715H7H7-UQ | \$2,581.13 |
| 2"         | 18"    | CTS   | CTS    | Ball        | Dual Check   | 6020NL-718H7H7-UQ | \$2,656.49 |
| 2"         | 21"    | CTS   | CTS    | Ball        | Dual Check   | 6020NL-721H7H7-UQ | \$2,731.84 |
| 2"         | 24"    | CTS   | CTS    | Ball        | Dual Check   | 6020NL-724H7H7-UQ | \$2,807.19 |

| Options (Add or Subtract from Price)                        | Suffix | Meter Size<br>1 1/4" | Meter Size<br>1 1/2" | Meter Size<br>2" |
|---|--------|----------------------|----------------------|------------------|
| Ball Valve Full Port (Use "U" in model number)              | U      |                      | \$315.96             | \$321.97         |
| Dual Check Valve (Use "Q" in model number)                  | Q      |                      | \$464.90             | \$338.70         |
| Setter Height for every 3" above listed height add to Price |        |                      | \$61.23              | \$75.35          |
| By-Pass   |        | \$165.85             | \$165.85             | \$165.85         |
| High-Pass   |        |                      | \$773.40             | \$818.53         |
| Check Valve Without Test Port                               | N      |                      | N/C                  | N/C              |
| Tall Cap on Test Port                                       | P      |                      | N/C                  | N/C              |
| For setters 36" or taller call factory for Pricing          |        |                      |                      |                  |

| Inlet Connections Options (Add or subtract from price) | Meter Size<br>1 1/2" | Meter Size<br>2" |
|--|----------------------|------------------|
| Compression H, B                                       | \$50.13              | \$62.63          |
| Copper Flare   | \$39.82              | \$74.22          |
| PEP  | \$62.93              | \$59.88          |
| PJ   | \$47.10              | \$59.02          |

Pricing in U.S. funds.

## Vertical Inlet and Horizontal Outlet Setters

See Options below for details. For additional information or support contact customer service. Meter Setters are made to order and not returnable. Standard height on 5/8" x 3/4" and 3/4" is 7". Standard height on 1" setter is 10"



**Series 6022NL**  
3/4" Size Meter

| Part Number       | List Price |
|-------------------|------------|
| 6022NL-307H3H3-VO | \$247.80   |

**Series 6022NL**  
5/8" x 3/4" Size Meter

| Part Number       | List Price |
|-------------------|------------|
| 6022NL-207H3H3-VO | \$247.80   |

**Series 6022NL**  
1" Size Meter

| Part Number       | List Price |
|-------------------|------------|
| 6022NL-410H4H4-VO | \$468.33   |

| Options (Add or Subtract from Price)                     | Suffix | Meter Size 5/8" | Meter Size 5/8" x 3/4" | Meter Size 1" |
|--|--------|-----------------|------------------------|---------------|
| Ball Valve Reduced Port (Use "V" in the model number)    | V      | \$87.97         | \$87.97                | \$176.50      |
| Ball Valve Full Port (Use "U" in the model number)       | U      | \$160.63        | \$160.63               | \$241.97      |
| Single Check Valve (Use "X" in the model number)         | X      | \$79.86         | \$79.86                | \$95.98       |
| Dual Check Valve (Use "Q" in the model number)           | Q      | \$160.79        | \$160.79               | \$152.48      |
| Cascading Dual Check Valve (Use "C" in the model number) | C      | \$160.42        | \$160.42               | \$166.74      |
| Angle Plug Valve (Use "AP" in the model number)          | AP     | \$72.39         | \$72.39                | \$110.97      |
| Setter Height for every 3" above 18" height add to Price |        | \$9.83          | \$9.83                 | \$15.75       |
| Check Valve Without Test Port                            | N      | N/C             | N/C                    | N/C           |
| Tall Cap on Test Port                                    | P      | N/C             | N/C                    | N/C           |
| For setters 36" or taller call factory for Pricing       |        |                 |                        |               |

| Options (Add or subtract from price)   | Meter Size 5/8" | Meter Size 5/8" x 3/4" | Meter Size 3/4" | Meter Size 1" |
|--|-----------------|------------------------|-----------------|---------------|
| Tandem Setter includes "S" Tube and connectors add T to end of series number |                 |                        |                 |               |
| 7 & 9  | \$173.24        | \$185.08               | \$226.45        |               |
| 12   | \$173.24        | \$185.08               | \$226.45        | \$337.96      |
| 15   | \$152.30        | \$164.07               | \$205.53        | \$337.96      |
| 18 TO 24   | \$157.22        | \$169.16               | \$210.57        | \$337.96      |

| Inlet Connections (Add or subtract from price) | Meter Size 5/8" | Meter Size 5/8" x 3/4" | Meter Size 3/4" | Meter Size 1" |
|--|-----------------|------------------------|-----------------|---------------|
| C903   |                 | \$27.17                | \$27.17         | \$37.37       |
| Compression H, B, J or GJ                      | \$11.04         | \$11.04                | \$11.04         | \$15.57       |
| Copper Flare                                   | \$5.63          | \$5.63                 | \$5.63          | \$9.16        |
| Dual Purpose                                   |                 | \$14.63                | \$14.63         | \$27.26       |
| FIP  |                 | -\$8.29                | -\$8.29         | -\$14.36      |
| MIP  |                 | -\$8.29                | -\$8.29         | -\$14.36      |
| PEP  |                 | \$11.31                | \$11.31         | \$18.56       |
| PJ   |                 | \$8.73                 | \$8.73          | \$18.49       |

Pricing in U.S. funds.



## Pit Setter (Plastic Pit not included)

For 5/8", 5/8" x 3/4", 3/4" or 1" Meters

Cambridge Brass 6050 NL Series Meter Setters are designed for installation in to your pit shell. Pit shell is not included. Using your specific design criteria the 6050NL series will provide the internal meter setting with valves, risers and connectors you require. Pit diameter, wall thickness service line bury should be carefully considered when ordering. Typical meter depth from surface or grade level is 14", however you are in control when you apply the setter. See page 153 for options. For additional information or support contact customer service. Meter Setters are made to order and not returnable.



### Series 6050NL 5/8" Size Meter

| Part Number       | List Price |
|-------------------|------------|
| 6050NL-112M3M3-VO | \$430.10   |
| 6050NL-115M3M3-VO | \$430.10   |
| 6050NL-118M3M3-VO | \$439.31   |
| 6050NL-121M3M3-VO | \$448.51   |
| 6050NL-124M3M3-VO | \$457.69   |

### Series 6050NL 5/8" x 3/4" Size Meter

| Part Number       | List Price |
|-------------------|------------|
| 6050NL-212M3M3-VO | \$430.10   |
| 6050NL-215M3M3-VO | \$430.10   |
| 6050NL-218M3M3-VO | \$439.31   |
| 6050NL-221M3M3-VO | \$448.51   |
| 6050NL-224M3M3-VO | \$457.69   |

### Series 6050NL 3/4" Size Meter

| Part Number       | List Price |
|-------------------|------------|
| 6050NL-312M3M3-VO | \$451.30   |
| 6050NL-315M3M3-VO | \$451.30   |
| 6050NL-318M3M3-VO | \$460.51   |
| 6050NL-321M3M3-VO | \$469.71   |
| 6050NL-324M3M3-VO | \$478.89   |

### Series 6050NL 1" Size Meter

| Part Number       | List Price |
|-------------------|------------|
| 6050NL-412M3M3-VO | \$690.29   |
| 6050NL-415M3M3-VO | \$690.29   |
| 6050NL-418M3M3-VO | \$701.70   |
| 6050NL-421M3M3-VO | \$713.13   |
| 6050NL-424M3M3-VO | \$724.52   |

For options see page 164

Pricing in U.S. funds.

## Pit Setter (Plastic Pit not included)

For 5/8", 5/8" x 3/4", 3/4" or 1" Meters

Meter Setters are made to order and not returnable.

| Options (Add or Subtract from Price)                     | Suffix | Meter Size<br>5/8" | Meter Size<br>5/8" x 3/4" | Meter Size<br>1" |
|--|--------|--------------------|---------------------------|------------------|
| Ball Valve Reduced Port (Use "V" in the model number)    | V      | \$87.97            | \$87.97                   | \$176.50         |
| Ball Valve Full Port (Use "U" in the model number)       | U      | \$160.63           | \$160.63                  | \$241.97         |
| Single Check Valve (Use "X" in the model number)         | X      | \$79.86            | \$79.86                   | \$95.98          |
| Dual Check Valve (Use "Q" in the model number)           | Q      | \$160.79           | \$160.79                  | \$152.48         |
| Cascading Dual Check Valve (Use "C" in the model number) | C      | \$160.42           | \$160.42                  | \$166.74         |
| Angle Plug Valve (Use "AP" in the model number)          | AP     | \$72.39            | \$72.39                   | \$110.97         |
| Setter Height for every 3" above 18" height add to Price |        | \$9.83             | \$9.83                    | \$15.75          |
| Check Valve Without Test Port                            | N      | N/C                | N/C                       | N/C              |
| Tall Cap on Test Port                                    | P      | N/C                | N/C                       | N/C              |
| For setters 36" or taller call factory for Pricing       |        |                    |                           |                  |

| Inlet Connections - Price per end connection | Meter Size<br>5/8" | Meter Size<br>5/8" x 3/4" | Meter Size<br>3/4" | Meter Size<br>1" |
|--|--------------------|---------------------------|--------------------|------------------|
| C903   |                    | \$27.17                   | \$27.17            | \$37.37          |
| Compression H, B, J or GJ                    | \$11.04            | \$11.04                   | \$11.04            | \$15.57          |
| Copper Flare                                 | \$5.63             | \$5.63                    | \$5.63             | \$9.16           |
| Dual Purpose                                 |                    | \$14.63                   | \$14.63            | \$27.26          |
| FIP  |                    | -\$8.29                   | -\$8.29            | -\$14.36         |
| MIP  |                    | -\$8.29                   | -\$8.29            | -\$14.36         |
| PEP  |                    | \$11.31                   | \$11.31            | \$18.56          |
| PJ   |                    | \$8.73                    | \$8.73             | \$18.49          |

Pricing in U.S. funds.

## Vertical Inlet and Horizontal Outlet Setters

See Options below for details. For additional information or support contact customer service. Please note: Meter Setters are made to order and not returnable. Standard height on 5/8" x 3/4" and 3/4" is 7". Standard height on 1" setter is 10"

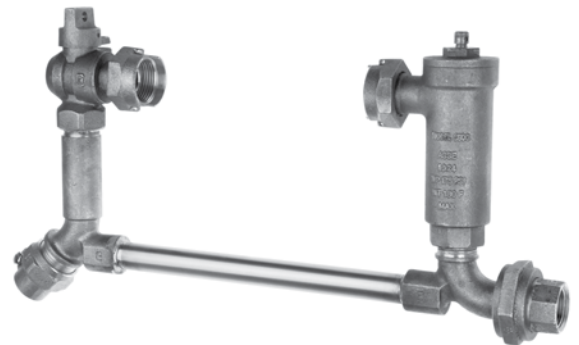
### Series 6060NL

Horizontal Inlet and Outlet

| Part Number     | Inlet Connection  | Outlet Connection | Meter Size  | Box Qty | List Price |
|-----------------|-------------------|-------------------|-------------|---------|------------|
| 6060NL-2D3D3-VO | 3/4" Dual Purpose | 3/4" Dual Purpose | 5/8" x 3/4" | 8       | \$246.09   |
| 6060NL-3D3D3-VO | 3/4" Dual Purpose | 3/4" Dual Purpose | 3/4"        | 8       | \$263.51   |

## Line Setter

All 6065 Line Setters come standard with reduced port ball valve x meter nut. See Options below for details. For additional information contact customer service for additional support. Meter setters are made to order and not returnable.



### Series 6065NL

Angle Inlet and Horizontal Outlet

| Part Number     | Inlet Connection  | Outlet Connection | Meter Size  | Box Qty | List Price |
|-----------------|-------------------|-------------------|-------------|---------|------------|
| 6065NL-2D3D3-VO | 3/4" Dual Purpose | 3/4" Dual Purpose | 5/8" x 3/4" | 9       | \$246.09   |
| 6065NL-3D3D3-VO | 3/4" Dual Purpose | 3/4" Dual Purpose | 3/4"        | 9       | \$263.51   |

| Options (Add or Subtract from Price)                     | Suffix | Meter Size<br>5/8" | Meter Size<br>5/8" x 3/4" | Meter Size<br>1" |
|--|--------|--------------------|---------------------------|------------------|
| Ball Valve Reduced Port (Use "V" in the model number)    | V      | \$87.97            | \$87.97                   | \$176.50         |
| Ball Valve Full Port (Use "U" in the model number)       | U      | \$160.63           | \$160.63                  | \$241.97         |
| Single Check Valve (Use "X" in the model number)         | X      | \$79.86            | \$79.86                   | \$95.98          |
| Dual Check Valve (Use "Q" in the model number)           | Q      | \$160.79           | \$160.79                  | \$152.48         |
| Cascading Dual Check Valve (Use "C" in the model number) | C      | \$160.42           | \$160.42                  | \$166.74         |
| Angle Plug Valve (Use "AP" in the model number)          | AP     | \$72.39            | \$72.39                   | \$110.97         |
| Setter Height for every 3" above 18" height add to Price |        | \$9.83             | \$9.83                    | \$15.75          |
| Check Valve Without Test Port                            | N      | N/C                | N/C                       | N/C              |
| Tall Cap on Test Port                                    | P      | N/C                | N/C                       | N/C              |
| For setters 36" or taller call factory for Pricing       |        |                    |                           |                  |

Pricing in U.S. funds.

## Meter Setter Part Numbering

7010NL

- 2

H

3

H

3

Series  
Number

Meter Size

Inlet  
Connection

Inlet  
Size

Outlet  
Connection

Outlet  
Option

3/4" = 3  
1" = 4  
1 1/2" = 6  
2" = 7

3/4" = 3  
1" = 4  
1 1/2" = 6  
2" = 7

Angle Plug = AP  
R/Port = V  
Full Port = U  
Single Check  
= X  
Dual Check = Q  
No Valve = O  
No Test Port on  
Check  
= QN or XN

7010NL- Cellar Setter  
7011NL- Cellar Setter  
7020NL- Corner Setters  
7025NL- Available upon request  
7030NL- Available upon request

B = Campak  
C = Copper Flare  
D = Dual Purpose  
F= Female Iron Pipe  
GJ = Grip Joint  
H = CB Compression  
J = Haystite  
K = C903  
M = Male Iron Pipe  
PE = Connection for PEP (SIDR 7) Size Pipe  
PJ = Connection for PVC (IPS) Size Pipe  
N = Meter Thread

## Cellar Setters

For 5/8", 5/8" x 3/4" or 3/4" Meters

Cambridge Brass Cellar Setters are typically used in applications where the water meter is inside the dwelling. Available configurations accommodate vertical & horizontal water lines while setting the water meter in a horizontal position. For additional information or support contact customer service. Meter Setters are made to order and not returnable.



### Series 7010NL 5/8" Meter

| Part Number    | Connection            | List Price |
|----------------|-----------------------|------------|
| 7010NL-1H3H3   | 3/4" CB Compression   | \$213.17   |
| 7010NL-1B3B3   | 3/4" Campak           | \$213.17   |
| 7010NL-1GJ3GJ3 | 3/4" Grip Joint       | \$213.17   |
| 7010NL-1C3C3   | 3/4" Copper Flare     | \$196.64   |
| 7010NL-1S3S3   | 3/4" Solder           | \$164.97   |
| 7010NL-1F3F3   | 3/4" Female Iron Pipe | \$164.97   |
| 7010NL-1F4F4   | 1" Female Iron Pipe   | \$211.30   |
| 7010NL-1M3M3   | 3/4" Male Iron Pipe   | \$164.97   |
| 7010NL-1M4M4   | 1" Male Iron Pipe     | \$211.30   |

### Series 7010NL 5/8" x 3/4" Meter

| Part Number    | Connection            | List Price |
|----------------|-----------------------|------------|
| 7010NL-2H3H3   | 3/4" CB Compression   | \$221.88   |
| 7010NL-2B3B3   | 3/4" Campak           | \$221.88   |
| 7010NL-2GJ3GJ3 | 3/4" Grip Joint       | \$221.88   |
| 7010NL-2C3C3   | 3/4" Copper Flare     | \$206.61   |
| 7010NL-2S3S3   | 3/4" Solder           | \$173.68   |
| 7010NL-2F3F3   | 3/4" Female Iron Pipe | \$173.68   |
| 7010NL-2F4F4   | 1" Female Iron Pipe   | \$220.00   |
| 7010NL-2M3M3   | 3/4" Male Iron Pipe   | \$173.68   |
| 7010NL-2M4M4   | 1" Male Iron Pipe     | \$220.00   |

### Series 7010NL 3/4" Meter

| Part Number    | Connection            | List Price |
|----------------|-----------------------|------------|
| 7010NL-3H3H3   | 3/4" CB Compression   | \$244.80   |
| 7010NL-3B3B3   | 3/4" Campak           | \$244.80   |
| 7010NL-3GJ3GJ3 | 3/4" Grip Joint       | \$244.80   |
| 7010NL-3C3C3   | 3/4" Copper Flare     | \$228.26   |
| 7010NL-3S3S3   | 3/4" Solder           | \$196.61   |
| 7010NL-3F3F3   | 3/4" Female Iron Pipe | \$196.61   |
| 7010NL-3F4F4   | 1" Female Iron Pipe   | \$219.82   |
| 7010NL-3M3M3   | 3/4" Male Iron Pipe   | \$196.61   |
| 7010NL-3M4M4   | 1" Male Iron Pipe     | \$219.82   |



### Series 7011NL 5/8" Meter

| Part Number  | Connection                             | List Price |
|--------------|--|------------|
| 7011NL-1N1N1 | 5/8" x 5/8" Meter Thread               | \$124.09   |
| 7011NL-1N2N2 | 5/8" x 3/4" x 5/8" x 3/4" Meter Thread | \$126.59   |

### Series 7011NL 5/8" x 3/4" Meter

| Part Number  | Connection                             | List Price |
|--------------|--|------------|
| 7011NL-2N1N1 | 5/8" x 5/8" Meter Thread               | \$133.73   |
| 7011NL-2N2N2 | 5/8" x 3/4" x 5/8" x 3/4" Meter Thread | \$134.97   |

### Series 7011NL 1" Meter

| Part Number  | Connection           | List Price |
|--------------|----------------------|------------|
| 7011NL-4N4N4 | 1" x 1" Meter Thread | \$259.38   |

Pricing in U.S. funds.

## Corner Setters

For 5/8", 5/8" x 3/4" or 3/4" Meters

Cambridge Brass Corner Setters are typically used in applications where the water meter is inside the dwelling and in a corner close to the foundation wall or an obstruction. This configuration accommodates vertical water lines while setting the water meter in a horizontal position. For additional information or support contact customer service. Meter Setters are made to order and not returnable.



### Series 7020NL

5/8" x 3/4" Meter

| Part Number  | Connection                | List Price |
|--------------|---------------------------|------------|
| 7020NL-2M3M3 | 3/4" Male Iron Pipe       | \$136.88   |
| 7020NL-2H3H3 | 3/4" CB Compression       | \$185.06   |
| 7020NL-2S3S3 | 3/4" Solder               | \$136.88   |
| 7020NL-2H3M3 | 3/4" CB Compression x MIP | \$147.92   |

### Series 7020NL

5/8" Meter

| Part Number  | Connection                | List Price |
|--------------|---------------------------|------------|
| 7020NL-1M3M3 | 3/4" Male Iron Pipe       | \$129.62   |
| 7020NL-1H3H3 | 3/4" CB Compression       | \$177.83   |
| 7020NL-1S3S3 | 3/4" Solder               | \$129.75   |
| 7020NL-1H3M3 | 3/4" CB Compression x MIP | \$154.17   |

### Series 7020NL

3/4" Meter

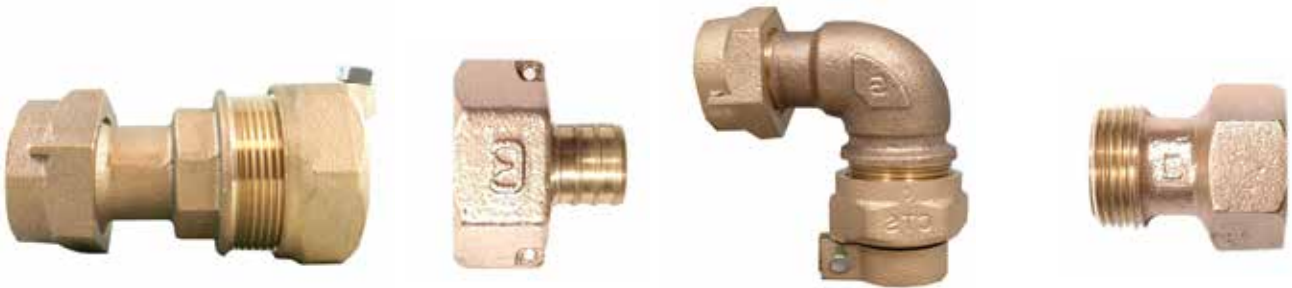
| Part Number  | Connection                | List Price |
|--------------|---------------------------|------------|
| 7020NL-3M3M3 | 3/4" Male Iron Pipe       | \$151.77   |
| 7020NL-3H3H3 | 3/4" CB Compression       | \$199.95   |
| 7020NL-3S3S3 | 3/4" Solder               | \$151.77   |
| 7020NL-3H3M3 | 3/4" CB Compression x MIP | \$175.84   |

Pricing in U.S. funds.





# **CAMBRIDGE BRASS<sup>TM</sup>** **INC**



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## **Meter Accessories**

**2025**



## Meter Accessories - Part Number Format

Meter swivel nuts are less saddle, have internal straight threads per AWWA C700, and include hole for wire seal unless otherwise indicated. EPDM rubber gaskets are supplied and are standard. Fiber or leather gaskets sold separately.

### Part Number Format

Example: 2" Meter Swivel Nut x MIP Straight Meter Coupling = **417NL - T 7 M 7**

| Series Number                           | Inlet Connection           | Inlet Size | Outlet Connection    | Outlet Size |
|---|----------------------------|------------|----------------------|-------------|
| 405NL = Angle Meter Coupling            | F = Female Iron Pipe       | 1 = 1/2"   | B = Campak           | 1 = 1/2"    |
| 406NL = 1/8" Bend Meter Coupling        | IP = Iron Pipe Compression | 2 = 5/8"   | F = Female Iron Pipe | 2 = 5/8"    |
| 412NL = Internal Hex Body Design        | T = Meter Swivel Nut       | 3 = 3/4"   | GJ = Grip Joint      | 3 = 3/4"    |
| 416NL = Meter Coupling                  |                            | 4 = 1"     | CB = CB Compression  | 4 = 1"      |
| 417NL = Straight Meter Coupling         |                            | 5 = 1 1/4" | J = Haystite         | 5 = 1 1/4"  |
| 421NL = Brass Meter Flanges FIP         |                            | 6 = 1 1/2" | K = C903             | 6 = 1 1/2"  |
| 422 = Ductile Iron Meter Flanges        |                            | 7 = 2"     | M = Male Iron Pipe   | 7 = 2"      |
| 423NL = Solder Meter Flanges            |                            |            | PE = PEP Campak      |             |
| 424NL = Meter Flange x MIP              |                            |            | PJ = PVC Campak      |             |
| 440NL = Meter Increasing Bushing        |                            |            |                      |             |
| 450 = Plastic Idler Bars                |                            |            |                      |             |
| 450NL = Copper Idler Bars               |                            |            |                      |             |
| 500NL - Angle Dual Check                |                            |            |                      |             |
| 510NL – Angle Dual Check Accessible     |                            |            |                      |             |
| 520NL – Angle Dual Check Non-Accessible |                            |            |                      |             |
| 590NL – Single Check Accessible         |                            |            |                      |             |
| 501NL – Cascading Dual Check            |                            |            |                      |             |

Pricing in U.S. funds.

## Angle Meter Couplings

Meter swivel nuts are less saddle, have internal straight threads per AWWA C700, and include hole for wire seal unless otherwise indicated. EPDM rubber gaskets are supplied and are standard. Fiber or leather gaskets sold separately.

### Series 405NL Meter Nut x MIP

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 405NL-T1M1  | 5/8"       | 5/8"        | 0.4            | 100     | \$33.36    |
| 405NL-T3M3  | 3/4"       | 3/4"        | 0.7            | 60      | \$33.25    |
| 405NL-T4M4  | 1"         | 1"          | 1.0            | 30      | \$47.54    |



### Series 405NL Meter Nut x Campak Compression

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 405NL-T3B3  | 3/4"       | 3/4"        | 1.1            | 20      | \$49.35    |



### Series 405NL Meter Nut x CB Compression

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 405NL-T3H3  | 3/4"       | 3/4"        | 1.1            | 12      | \$49.35    |
| 405NL-T4H4  | 1"         | 1"          | 1.9            | 10      | \$78.11    |



### Series 405NL Meter Nut x Solder

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 405NL-T3S3  | 3/4"       | 3/4"        | 1.1            | 20      | \$58.41    |



### Series 405NL Meter Nut x CB Compression

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 405NL-T3F3  | 3/4"       | 3/4"        | 0.5            | 20      | \$35.94    |



### Series 405NL Meter Nut x Solder

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 405NL-T3GJ3 | 3/4"       | 3/4"        | 1.4            | 20      | \$49.35    |
| 405NL-T4GJ4 | 1"         | 1"          | 2.2            | 10      | \$78.11    |



## Eight Bend Coupling

### Series 406NL Meter Nut x MIP

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 406NL-T3M3  | 3/4"       | 3/4"        | 0.60           | 80      | \$36.42    |
| 406NL-T4M4  | 1"         | 1"          | 0.90           | 50      | \$52.00    |
| 406NL-T6M6  | 1 1/2"     | 1 1/2"      | 2.2            | 20      | \$167.33   |



Pricing in U.S. funds.

## Meter Couplings - Straight

Meter swivel nuts are less saddle, have internal straight threads per AWWA C700, NSF and include hole for wire seal unless otherwise indicated. NSF rubber gaskets are supplied and are standard.

### Series 412NL Meter Nut x MIP



| Part Number    | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|----------------|------------|-------------|----------------|---------|------------|
| 412NL-T3M3     | 3/4"       | 3/4"        | 0.4            | 120     | \$33.60    |
| 412NL-T3M32500 | 3/4"       | 3/4"        | 0.5            | 80      | \$33.60    |
| 412NL-T4M4     | 1"         | 1"          | 0.6            | 84      | \$40.11    |
| 412NL-T4M42500 | 1"         | 1"          | 0.7            | 60      | \$40.11    |

### Series 417NL Meter Nut x MIP



| Part Number     | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-----------------|------------|-------------|----------------|---------|------------|
| 417NL-T1M1      | 5/8"       | 1/2"        | 0.3            | 120     | \$20.00    |
| 417NL-T1M3      | 5/8"       | 3/4"        | 0.5            | 100     | \$24.80    |
| 417NL-T3M1      | 3/4"       | 1/2"        | 0.5            | 80      | \$28.72    |
| 417NL-T3M3      | 3/4"       | 3/4"        | 0.4            | 100     | \$22.51    |
| 417NL-T3M31812  | 3/4"       | 3/4"        |                |         | \$28.72    |
| 417NL-T3M32000  | 3/4"       | 3/4"        | 0.4            | 90      | \$22.51    |
| 417NL-T3M32250  | 3/4"       | 3/4"        | 0.5            | 80      | \$22.51    |
| 417NL-T3M33000  | 3/4"       | 3/4"        | 0.5            | 80      | \$27.30    |
| 417NL-T3M312000 | 3/4"       | 3/4"        | 1.4            | 25      | \$118.31   |
| 417NL-T3M4      | 3/4"       | 1"          | 0.5            | 80      | \$35.22    |
| 417NL-T4M4      | 1"         | 1"          | 0.7            | 60      | \$34.66    |
| 417NL-T4M41500  | 1"         | 1"          | 0.6            | 72      | \$34.86    |
| 417NL-T4M41812  | 1"         | 1"          | 0.6            | 72      | \$34.86    |
| 417NL-T4M42000  | 1"         | 1"          | 0.7            | 60      | \$40.11    |
| 417NL-T4M42250  | 1"         | 1"          | 0.7            | 56      | \$40.10    |
| 417NL-T4M42687  | 1"         | 1"          | 0.8            | 48      | \$40.10    |
| 417NL-T4M44625  | 1"         | 1"          | 1.1            | 6       | \$40.10    |
| 417NL-T6M6      | 1 1/2"     | 1 1/2"      | 1.8            | 24      | \$96.55    |
| 417NL-T7M7      | 2"         | 2"          | 2.6            | 16      | \$134.53   |

### Series 417NL Meter Nut x Solder



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 417NL-T1S1  | 5/8"       | 5/8"        | 0.2            | 150     | \$14.34    |
| 417NL-T1S3  | 5/8"       | 3/4"        | 0.4            | 100     | \$18.52    |
| 417NL-T3S1  | 3/4"       | 1/2"        | 0.3            | 150     | \$18.48    |
| 417NL-T3S3  | 3/4"       | 3/4"        | 0.4            | 150     | \$20.21    |
| 417NL-T4S4  | 1"         | 1"          | 0.6            | 100     | \$24.56    |

### Series 417NL Meter Nut x Campak



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 417NL-T1B1  | 5/8"       | 5/8"        | 0.2            | 60      | \$37.60    |
| 417NL-T3B3  | 3/4"       | 3/4"        | 0.3            | 60      | \$43.43    |
| 417NL-T3B4  | 3/4"       | 1"          | 0.4            | 60      | \$46.82    |
| 417NL-T4B4  | 1"         | 1"          | 0.6            | 12      | \$58.54    |
| 417NL-T4B5  | 1"         | 1 1/4"      | 0.6            | 12      | \$92.32    |

### Series 417NL Meter Nut x CB Compression



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 417NL-T1H3  | 5/8"       | 3/4"        | 0.9            | 60      | \$38.23    |
| 417NL-T3H3  | 3/4"       | 3/4"        | 0.9            | 60      | \$43.43    |
| 417NL-T3H4  | 3/4"       | 1"          | 1.0            | 18      | \$46.82    |
| 417NL-T4H4  | 1"         | 1"          | 1.5            | 18      | \$58.54    |

### Series 417NL Meter Nut x IP (Galvanized) Pipe



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 417NL-T1IP1 | 5/8"       | 5/8"        | 0.7            | 60      | \$40.29    |
| 417NL-T1IP3 | 5/8"       | 3/4"        | 0.9            | 60      | \$40.07    |
| 417NL-T3IP3 | 3/4"       | 3/4"        | 0.9            | 60      | \$49.14    |
| 417NL-T4IP4 | 1"         | 1"          | 1.5            | 18      | \$88.24    |

Pricing in U.S. funds.

## Meter Couplings - Straight

Meter swivel nuts are less saddle, have internal straight threads per AWWA C700, NSF and include hole for wire seal unless otherwise indicated. NSF rubber gaskets are supplied and are standard.

### Series 417NL Meter Nut x FIP



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 417NL-T3F3  | 3/4"       | 3/4"        | 0.50           | 60      | \$33.21    |
| 417NL-T3F4  | 3/4"       | 1"          | 0.70           | 60      | \$47.85    |

### Series 417NL Pex Meter Coupling



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 417NL-T1W3  | 5/8"       | 3/4"        | 0.2            | 100     | \$13.59    |
| 417NL-T3W3  | 3/4"       | 3/4"        | 0.3            | 100     | \$27.52    |

### Series 417NL Meter Nut x C903



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 417NL-T3K3  | 3/4"       | 3/4"        | 0.9            | 100     | \$78.18    |

### Series 416NL FIP x MIP Meter Coupling



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 416NL-F6M6  | 1 1/2"     | 1 1/2"      | 2.3            | 15      | \$96.55    |
| 416NL-F7M7  | 2"         | 2"          | 4.1            | 10      | \$134.52   |

## Meter Bushings & Adaptors

Meter swivel nuts are less saddle, have internal straight threads per AWWA C700, NSF and include hole for wire seal unless otherwise indicated. NSF rubber gaskets are supplied and are standard.

### Meter Bushings

#### Series 440NL Meter Sizing Bushings



| Part Number         | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|---------------------|------------|-------------|----------------|---------|------------|
| 440NL-N3N2          | 5/8"       | 5/8" x 3/4" | 0.5            | 60      | \$9.95     |
| 440NL-N3N2XL (LONG) | 5/8"       | 5/8" x 3/4" | 0.6            | 50      | \$10.50    |

#### Series 440NL Meter Sizing Bushings



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 440NL-N3R2  | 5/8"       | 5/8" x 3/4" | 0.5            | 40      | \$24.10    |
| 440NL-N4R2  | 1"         | 5/8" x 3/4" | 0.6            | 16      | \$28.98    |
| 440NL-N4R3  | 1"         | 3/4"        | 0.7            | 20      | \$22.24    |

#### Series 440NL Meter Thread x MIP ( Regulator Adaptor for Tandem Setters)



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 440NL-N3M3  | 3/4"       | 3/4"        | 0.8            | 40      | \$22.68    |
| 440NL-N4M4  | 1"         | 1"          | 1.0            | 20      | \$31.14    |

Pricing in U.S. funds.



## Gaskets & Idler Bars

### Meter Gaskets

#### Series 41

##### Rubber Meter Gaskets



| Part Number | Meter Size | Wt. Each (lbs) | Box Qty | Box Price | Price Each |
|-------------|------------|----------------|---------|-----------|------------|
| 41-1        | 5/8"       | 1.85           | 500     | \$224.93  | \$0.46     |
| 41-3        | 3/4"       | 2.6            | 500     | \$294.76  | \$0.58     |
| 41-4        | 1"         | 2.8            | 500     | \$310.26  | \$0.62     |
| 41-6        | 1 1/2"     | 0.01           | 50      | \$257.52  | \$5.21     |
| 41-7        | 2"         | 0.02           | 50      | \$292.44  | \$5.86     |

#### Series 45

##### Fiber Meter Gaskets



| Part Number | Meter Size  | Wt. Each (lbs) | Box Qty | Box Price | Price Each |
|-------------|-------------|----------------|---------|-----------|------------|
| 45-1        | 5/8"        |                | 25      | \$40.36   | \$1.63     |
| 45-3        | 5/8" x 3/4" |                | 25      | \$42.97   | \$1.72     |
| 45-4        | 1"          |                | 10      | \$24.10   | \$2.42     |

#### Series 42

##### Flanged Rubber Meter Gaskets



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 42-6        | 1 1/2"     | 1 1/2"      | 0.06           | 400     | \$5.17     |
| 42-7        | 2"         | 2"          | 0.14           | 250     | \$5.85     |

### Idler Bars

#### Series 450

##### Plastic Idler Bars



| Part Number | Meter Size  | Wt. Each (lbs) | Box Qty | List Price |
|-------------|-------------|----------------|---------|------------|
| 450-1       | 5/8"        | 0.2            | 30      | \$10.19    |
| 450-2       | 5/8" x 3/4" | 0.2            | 15      | \$8.93     |
| 450-3       | 3/4"        | 0.4            | 25      | \$12.48    |
| 450-4       | 1"          | 0.3            | 15      | \$17.51    |

#### Series 450

##### Copper Idler Bars



| Part Number | Meter Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|----------------|---------|------------|
| 450NL-6     | 1 1/2"     | 5.5            | 6       | \$234.12   |
| 450NL-7     | 2"         | 5.6            | 2       | \$309.32   |

Pricing in U.S. funds.



## Flanges

Rubber gaskets are supplied and standard unless noted. Oval meter flanges are faced and drilled per AWWA C700.

- Stainless-Steel meter support brackets not included - Bolt hole diameters on 1 1/2" oval flange = .72, 2", oval flange = .81.

### Series 42

Bolt Kits for Meter Flanges  
(Zinc Plated) (4 Per Kit)



| Part Number | Inlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|----------------|---------|------------|
| 42-2        | 1 1/2"     | 1.4            | 20      | \$11.14    |
| 42-3        | 2"         | 2.1            | 20      | \$11.14    |

### Series 42

Bolt Kits for Meter Flanges  
(Stainless-Steel) (4 Per Kit)



| Part Number | Meter Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|----------------|---------|------------|
| 42-0        | 1 1/2"     | 0.03           | 25      | \$35.84    |
| 42-1        | 2"         | 2.2            | 1       | \$48.09    |

### Series 421

Brass Meter Flanges x FIP (KIT)



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 421NL-6     | 1 1/2"     | 1 1/2"      | 4.7            | 1       | \$220.77   |
| 421NL-7     | 2"         | 2"          | 5.7            | 1       | \$303.07   |

### Series 422

Cast Iron Meter Flange x FIP (KIT)



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 422-6       | 1 1/2"     | 1 1/2"      | 5.5            | 6       | \$47.10    |
| 422-7       | 2"         | 2"          | 6.4            | 6       | \$52.74    |

### Series 423

Brass Meter Flange x Solder Kit



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 423NL-6     | 1 1/2"     | 1 1/2"      | 5.0            | 1       | \$100.80   |
| 423NL-7     | 2"         | 2"          | 7.1            | 1       | \$131.62   |

### Series 424NL

Brass Meter Flange x MIP Kit



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 424NL-6     | 1 1/2"     | 1 1/2"      | 6.1            | 1       | \$108.91   |
| 424NL-7     | 2"         | 2"          | 7.9            | 1       | \$145.25   |

Brass Meter Flange x FIP  
(Flanges only)



| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 5030295NL   | 1 1/2"     | 1 1/2"      | 1.5            | 5       | \$94.15    |
| 5030390NL   | 2"         | 2"          | 2.8            | 5       | \$120.66   |

Pricing in U.S. funds.

## Flanges with Stainless-Steel Bolts

Rubber gaskets are supplied and standard unless noted. Oval meter flanges are faced and drilled per AWWA C700.

- Stainless-Steel meter support brackets not included
- Stainless-Steel bolts included
- Bolt hole diameters on 1 1/2" oval flange = .72, 2" , oval flange = .81.



### Series 421

Brass Meter Flanges x FIP (KIT)

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 421NL-6SS   | 1 1/2"     | 1 1/2"      | 6.5            | 1       | \$276.83   |
| 421NL-7SS   | 2"         | 2"          | 5.8            | 1       | \$350.61   |



### Series 423

Brass Meter Flange x Solder

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 423NL-6SS   | 1 1/2"     | 1 1/2"      | 4.9            | 1       | \$136.21   |
| 423NL-7SS   | 2"         | 2"          | 7.2            | 1       | \$179.13   |



### Series 422

Cast Iron Meter Flange x FIP (KIT)

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 422-6SS     | 1 1/2"     | 1 1/2"      | 6.0            | 1       | \$63.21    |
| 422-7SS     | 2"         | 2"          | 6.2            | 1       | \$74.34    |



### Series 424NL

Brass Meter Flange x MIP

| Part Number | Inlet Size | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|-------------|----------------|---------|------------|
| 424NL-6SS   | 1 1/2"     | 1 1/2"      | 6.5            | 1       | \$144.28   |
| 424NL-7SS   | 2"         | 2"          | 7.8            | 1       | \$192.74   |

Pricing in U.S. funds.

## Single & Dual Check Valves

### Dual Check Valves

#### Series 500NL

##### Angle Dual Check Valves

| Part Number | Meter Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 500NL-T1F3  | 5/8"               | 3/4"        | 1.6            | 8       | \$160.83   |
| 500NL-T3F3  | 5/8" x 3/4" & 3/4" | 3/4"        | 1.8            | 8       | \$160.83   |
| 500NL-T4F4  | 1"                 | 1"          | 2.2            | 4       | \$182.50   |
| 500NL-MF6F6 | 1 1/2"             | 1 1/2"      | 9.0            | 1       | \$636.72   |
| 500NL-MF7F7 | 2"                 | 2"          | 10.1           | 1       | \$636.72   |



#### Series 500NL

##### Meter Nut x CB Compression

| Part Number | Meter Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 500NL-T3H3  | 5/8" x 3/4" & 3/4" | 3/4"        | 2.6            | 8       | \$181.47   |
| 500NL-T4H4  | 1"                 | 1"          | 3.7            | 5       | \$314.69   |



#### Series 510NL

##### Meter Nut x FIP (Accessible)

| Part Number | Meter Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 510NL-T3F3  | 5/8" x 3/4" & 3/4" | 3/4"        | 2.2            | 8       | \$168.99   |



#### Series 520NL

##### Meter Nut x FIP (Non-Accessible)

| Part Number | Inlet                    | Outlet | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------------|--------|----------------|---------|------------|
| 520NL-T3F3  | 5/8" x 3/4" & 3/4" Meter | 3/4"   | 1.8            | 10      | \$150.88   |
| 520NL-F3F3  | 3/4" FIP                 | 3/4"   | 1.8            | 10      | \$137.17   |



### Single Check Valves

#### Series 590NL

##### Meter Nut x FIP (Accessible)

| Part Number | Meter Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 590NL-T3F3  | 5/8" x 3/4" & 3/4" | 3/4"        | 1.7            | 8       | \$79.89    |
| 590NL-T4F4  | 1"                 | 1"          | 2.1            | 6       | \$95.96    |



#### Series 50NL

##### Dual Check Valve Repair Kit

| Part Number | Check Size  | Wt. Each (lbs) | Box Qty | List Price |
|-------------|-------------|----------------|---------|------------|
| 50-3        | 3/4"        |                | 25      | \$30.90    |
| 50-4        | 1"          |                | 25      | \$57.81    |
| 50NL-7      | 1 1/2" & 2" |                | 15      | \$173.91   |



### Angle Cascading Dual Check Valves

#### Series 501NL

##### Meter Nut x FIP

| Part Number | Meter Size         | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|--------------------|-------------|----------------|---------|----------|
| 501NL-T1F3  | 5/8"               | 3/4"        | 15             | 15      | \$134.27 |
| 501NL-T3F3  | 5/8" x 3/4" & 3/4" | 3/4"        | 15             | 18      | \$134.27 |
| 501NL-T4F4  | 1"                 | 1"          | 10             | 14      | \$139.58 |



Pricing in U.S. funds.

Pricing in U.S. funds.



# CAMBRIDGE BRASS<sup>TM</sup> INC



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## Iron Yokes

2025



## Iron Yokes - Part Number Format

### Iron Yokes

- Cradle positions meter in line with end connections to allow one hand installation
- E-Coat finish standard
- Powder Coat Finish option available on request

### Part Number Format

Example: 1" Iron Yokes = **460** - 4

| Series Number  | Size     |
|--|----------|
| 117NL = Straight Coupling with Yoke Connection                   | 1 = 1/2" |
| 105NL = Angle Connection with Yoke Connection                    | 2 = 5/8" |
| 210NL = Angle Valve with Yoke Connection                         | 3 = 3/4" |
| 212NL = Straight Valve with Yoke Connection                      | 4 = 1"   |
| 430NL = Expansion Couplings for Iron Yoke - Handwheel type       |          |
| 431NL = Expansion Couplings for Iron Yoke - Wrench type          |          |
| 432NL = Expansion Couplings for Iron Yoke - Locking Socket Screw |          |
| 433 = Inverted Key   |          |
| 460 = Standard Iron Yoke Bar                                     |          |
| 461 = Standard Iron Yoke Bar with Prongs                         |          |
| 500NL = Dual Check Valves with Yoke Connection                   |          |
| 501NL = Angle Cascading Dual Check with Yoke Connections         |          |

Pricing in U.S. funds.



## Yoke Bars & Gaskets

### Iron Yokes

- Cradle positions meter in line with end connections to allow one hand installation
- E-Coat finish standard
- Powder Coat Finish option available on request

#### Series 460

Iron Yoke Bars (Standard)



| Part Number | Meter Size  | Wt. Each (lbs) | Box Qty | List Price |
|-------------|-------------|----------------|---------|------------|
| 460-1       | 5/8"        | 3.7            | 10      | \$25.05    |
| 460-2       | 5/8" x 3/4" | 3.6            | 10      | \$26.16    |
| 460-3       | 3/4"        | 4.0            | 10      | \$29.81    |
| 460-4       | 1"          | 6.5            | 6       | \$47.18    |

#### Series 461

Iron Yoke Bars (with Prongs)



| Part Number | Meter Size  | Wt. Each (lbs) | Box Qty | List Price |
|-------------|-------------|----------------|---------|------------|
| 461-1       | 5/8"        | 4.0            | 10      | \$27.14    |
| 461-2       | 5/8" x 3/4" | 3.9            | 10      | \$28.11    |
| 461-4       | 1"          | 6.8            | 6       | \$49.14    |

### Gaskets

**Series 41** Gaskets to Seal Meter & Yoke Connection



| Part Number | Meter Size         | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|----------------|---------|------------|
| 41-SR1      | 5/8"               |                | 25      | \$0.60     |
| 41-SR3      | 5/8" x 3/4" x 3/4" |                | 25      | \$0.84     |
| 41-SR4      | 1"                 |                | 10      | \$0.89     |

#### Series 44

Profile Expansion Gasket



| Part Number | Meter Size         | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|----------------|---------|------------|
| 44-1        | 5/8"               |                | 25      | \$1.39     |
| 44-3        | 5/8" x 3/4" x 3/4" |                | 25      | \$1.70     |
| 44-4        | 1"                 |                | 10      | \$2.18     |

#### Series 45

Fiber Gasket for Expansion Connection



| Part Number | Meter Size         | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|----------------|---------|------------|
| 45-1        | 5/8"               |                | 25      | \$1.63     |
| 45-3        | 5/8" x 3/4" x 3/4" |                | 25      | \$1.72     |
| 45-4        | 1"                 |                | 10      | \$2.42     |

Pricing in U.S. funds.

## Angle Valve with Yoke Connection - Ball Style

Rated for 300 PSIG

Cambridge Brass Angle Yoke ball valves include a meter star nut for connection to iron yoke bars and a wide variety of inlet configurations; manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted. These angle valves come standard with 90° open to close operating head and Valves include lockwing for locking in closed position.

### Series 210NL

CB Compression x Yoke Nose



| Part Number | Meter Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 210NL-H3SR1 | 5/8"               | 3/4"        | 2.3            | 6       | \$179.23   |
| 210NL-H3SR3 | 5/8" x 3/4" & 3/4" | 3/4"        | 2.3            | 6       | \$179.23   |
| 210NL-H4SR3 | 5/8" x 3/4" & 3/4" | 1"          | 3.1            | 6       | \$198.27   |
| 210NL-H4SR4 | 1"                 | 1"          | 3.5            | 6       | \$218.33   |

### Series 210NL

Copper Flare x Yoke Nose



| Part Number | Meter Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 210NL-C3SR1 | 5/8"               | 3/4"        | 2.3            | 6       | \$174.24   |
| 210NL-C3SR3 | 5/8" x 3/4" & 3/4" | 3/4"        | 2.3            | 6       | \$174.24   |
| 210NL-C4SR1 | 5/8"               | 1"          | 3.1            | 6       | \$182.88   |
| 210NL-C4SR3 | 5/8" x 3/4" & 3/4" | 1"          | 3.2            | 6       | \$182.88   |
| 210NL-C4SR4 | 1"                 | 1"          | 3.5            | 4       | \$256.16   |

### Series 210NL

Campak Compression x Yoke Nose



| Part Number | Meter Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 210NL-B3SR1 | 5/8"               | 3/4"        | 2.5            | 6       | \$179.23   |
| 210NL-B3SR3 | 5/8" x 3/4" & 3/4" | 3/4"        | 2.5            | 6       | \$179.23   |
| 210NL-B4SR3 | 5/8" x 3/4" & 3/4" | 1"          | 3.3            | 6       | \$198.27   |
| 210NL-B4SR4 | 1"                 | 1"          | 3.5            | 5       | \$218.33   |

### Series 210NL

FIP x Yoke Nose



| Part Number | Meter Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 210NL-F3SR1 | 5/8"               | 3/4"        | 1.8            | 10      | \$163.30   |
| 210NL-F3SR3 | 5/8" x 3/4" & 3/4" | 3/4"        | 1.9            | 10      | \$163.30   |
| 210NL-F4SR3 | 5/8" x 3/4" & 3/4" | 1"          | 2.4            | 6       | \$160.98   |
| 210NL-F4SR4 | 1"                 | 1"          | 3.0            | 5       | \$223.04   |

### Series 210NL

Grip Joint Compression x Yoke Nose



| Part Number  | Meter Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|--------------|--------------------|-------------|----------------|---------|------------|
| 210NL-GJ3SR1 | 5/8"               | 3/4"        | 2.3            | 10      | \$179.23   |
| 210NL-GJ3SR3 | 5/8" x 3/4" & 3/4" | 3/4"        | 2.3            | 10      | \$179.23   |
| 210NL-GJ4SR3 | 5/8" x 3/4" & 3/4" | 1"          | 3.1            | 6       | \$198.27   |
| 210NL-GJ4SR4 | 1"                 | 1"          | 3.5            | 5       | \$218.33   |

Pricing in U.S. funds.

• Insert stiffeners are required for all connections using plastic flexible pipe see page 108

# Straight Yoke Valve - Ball Style

Rated for 300 PSIG

Straight yoke ball valves include a meter star nut for connection to iron yoke bars and a wide variety of inlet/outlet configurations manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted. These valves come standard with 90° open to close operating head. Valves include lockwing for locking in closed position.

## Series 212NL

CB Compression x Yoke Nose



| Part Number | Meter Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 212NL-H3SR1 | 5/8"               | 3/4"        | 2.1            | 12      | \$101.75   |
| 212NL-H3SR3 | 5/8" x 3/4" & 3/4" | 3/4"        | 2.5            | 6       | \$101.75   |
| 212NL-H4SR3 | 5/8" x 3/4" & 3/4" | 1"          | 3.1            | 6       | \$171.12   |
| 212NL-H4SR4 | 1"                 | 1"          | 3.5            | 5       | \$180.71   |

## Series 212NL

Campak Compression x Yoke Nose



| Part Number | Meter Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 212NL-B3SR1 | 5/8"               | 3/4"        | 2.2            | 6       | \$101.75   |
| 212NL-B3SR3 | 5/8" x 3/4" & 3/4" | 3/4"        | 2.5            | 6       | \$101.75   |
| 212NL-B4SR3 | 5/8" x 3/4" & 3/4" | 1"          | 3.2            | 6       | \$171.12   |
| 212NL-B4SR4 | 1"                 | 1"          | 3.6            |         | \$180.71   |

## Series 212NL

Grip Joint Compression x Yoke Nose



| Part Number  | Meter Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|--------------|--------------------|-------------|----------------|---------|------------|
| 212NL-GJ3SR1 | 5/8"               | 3/4"        | 2.1            | 6       | \$101.75   |
| 212NL-GJ3SR3 | 5/8" x 3/4" & 3/4" | 3/4"        | 2.5            | 6       | \$101.75   |
| 212NL-GJ4SR3 | 5/8" x 3/4" & 3/4" | 1"          | 3.1            | 6       | \$171.12   |
| 212NL-GJ4SR4 | 1"                 | 1"          | 3.5            | 5       | \$180.71   |

## Series 212NL

Copper Flare x Yoke Nose



| Part Number | Meter Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 212NL-C3SR1 | 5/8"               | 3/4"        | 2.1            | 6       | \$95.43    |
| 212NL-C3SR3 | 5/8" x 3/4" & 3/4" | 3/4"        | 2.3            | 6       | \$95.43    |
| 212NL-C4SR3 | 5/8" x 3/4" & 3/4" | 1"          | 2.9            | 6       | \$166.34   |
| 212NL-C4SR4 | 1"                 | 1"          | 3.1            | 4       | \$170.99   |

## Series 212NL

FIP x Yoke Nose



| Part Number | Meter Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 212NL-F3SR1 | 5/8"               | 3/4"        | 2.0            | 10      | \$83.53    |
| 212NL-F3SR3 | 5/8" x 3/4" & 3/4" | 3/4"        | 2.0            | 10      | \$83.53    |
| 212NL-F4SR3 | 5/8" x 3/4" & 3/4" | 1"          | 2.6            | 6       | \$148.05   |
| 212NL-F4SR4 | 1"                 | 1"          | 2.9            | 6       | \$147.38   |

• Insert stiffeners are required for all connections using plastic flexible pipe see page 108

Pricing in U.S. funds.

## Angle Yoke Style Dual Check Valves

Rated for 175 PSIG

Cambridge Brass Angle Yoke Style Dual Check Valves include a meter star nut for iron yoke inlets and a wide variety of inlet/outlet configurations. The top cap and unique check module design assures convenient access to both checks for inspection, maintenance or replacement without removing the valve from the line. Backflow of water is still deterred if either of the checks are removed or inoperable.

### Series 500NL

CB Compression x Yoke Nose



| Part Number | Meter Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 500NL-SR1H3 | 5/8"               | 3/4"        | 2.3            | 6       | \$187.66   |
| 500NL-SR3H3 | 5/8" x 3/4" & 3/4" | 3/4"        | 2.3            | 6       | \$187.66   |
| 500NL-SR3H4 | 5/8" x 3/4" & 3/4" | 1"          | 3.6            | 6       | \$204.05   |
| 500NL-SR4H4 | 1"                 | 1"          | 3.7            | 6       | \$304.37   |

### Series 500NL

Grip Joint Compression x Yoke Nose



| Part Number  | Meter Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|--------------|--------------------|-------------|----------------|---------|------------|
| 500NL-SR1GJ3 | 5/8"               | 3/4"        | 2.3            | 6       | \$187.66   |
| 500NL-SR3GJ3 | 5/8" x 3/4" & 3/4" | 3/4"        | 2.3            | 6       | \$187.66   |
| 500NL-SR3GJ4 | 3/4"               | 1"          | 3.6            | 6       | \$204.05   |
| 500NL-SR4GJ4 | 1"                 | 1"          | 3.6            | 6       | \$304.37   |

### Series 500NL

Campak Compression x Yoke Nose



| Part Number | Meter Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 500NL-SR1B3 | 5/8"               | 3/4"        | 2.4            | 6       | \$187.66   |
| 500NL-SR3B3 | 5/8" x 3/4" & 3/4" | 3/4"        | 2.5            | 6       | \$187.66   |
| 500NL-SR3B4 | 3/4"               | 1"          | 3.7            | 6       | \$204.05   |
| 500NL-SR4B4 | 1"                 | 1"          | 3.9            | 6       | \$304.37   |

### Series 500NL

Copper Flare x Yoke Nose



| Part Number | Meter Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 500NL-SR1C3 | 5/8"               | 3/4"        | 2.4            | 6       | \$185.65   |
| 500NL-SR1C4 | 5/8"               | 1"          | 2.4            | 6       | \$206.17   |
| 500NL-SR3C3 | 5/8" x 3/4" & 3/4" | 3/4"        | 3.3            | 6       | \$185.81   |

### Series 501NL

Yoke x FIP



| Part Number | Meter Size | Outlet Size | Wt. Each (lbs) | Box Qty | Price    |
|-------------|------------|-------------|----------------|---------|----------|
| 501NL-SR3F3 | 3/4"       | 3/4"        | 21             | 15      | \$275.13 |

### Series 500NL

FIP x Yoke Nose



| Part Number | Meter Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 500NL-SR1F3 | 5/8"               | 3/4"        | 1.9            | 6       | \$154.09   |
| 500NL-SR3F3 | 5/8" x 3/4" & 3/4" | 3/4"        | 1.9            | 8       | \$154.09   |
| 500NL-SR4F4 | 1"                 | 1"          | 3.2            | 4       | \$133.46   |

Pricing in U.S. funds.

• Insert stiffeners are required for all connections using plastic flexible pipe see page 108

# Straight Couplings with Yoke Connection

Rated for 300 PSIG

Straight yoke couplings include a meter star nut for connection to iron yoke bars and a wide variety of inlet/outlet configurations. They meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSI rated. They are designed and tested for cold potable water only.

## Series 117NL

CB Compression x Yoke Nose



| Part Number | Inlet Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 117NL-SR1H3 | 5/8"               | 3/4"        | 0.9            | 25      | \$35.87    |
| 117NL-SR3H3 | 5/8" x 3/4" & 3/4" | 3/4"        | 0.9            | 25      | \$35.87    |
| 117NL-SR3H4 | 3/4"               | 1"          | 1.2            | 18      | \$51.91    |

## Series 117NL

Copper Flare x Yoke Nose



| Part Number | Inlet Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 117NL-SR1C3 | 5/8"               | 3/4"        | 1.1            | 25      | \$31.07    |
| 117NL-SR3C3 | 5/8" x 3/4" & 3/4" | 3/4"        | 1.1            | 25      | \$31.07    |
| 117NL-SR4C4 | 3/4"               | 1"          | 1.3            | 18      | \$49.04    |

## Series 117NL

Campak Compression x Yoke



| Part Number | Inlet Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 117NL-SR1B3 | 5/8"               | 3/4"        | 1.0            | 25      | \$35.87    |
| 117NL-SR3B3 | 5/8" x 3/4" & 3/4" | 3/4"        | 1.0            | 25      | \$35.87    |
| 117NL-SR3B4 | 3/4"               | 1"          | 1.4            | 18      | \$51.91    |

## Series 117NL

FIP x Yoke Nose



| Part Number | Inlet Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 117NL-SR1F3 | 5/8"               | 3/4"        | 0.4            | 25      | \$19.09    |
| 117NL-SR3F3 | 5/8" x 3/4" & 3/4" | 3/4"        | 0.6            | 25      | \$19.09    |
| 117NL-SR4F4 | 1"                 | 1"          | 0.8            | 25      | \$31.68    |

## Series 117NL

Grip Joint Compression x Yoke



| Part Number  | Inlet Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|--------------|--------------------|-------------|----------------|---------|------------|
| 117NL-SR1GJ3 | 5/8"               | 3/4"        | 0.9            | 25      | \$35.87    |
| 117NL-SR3GJ3 | 5/8" x 3/4" & 3/4" | 3/4"        | 0.9            | 25      | \$35.87    |
| 117NL-SR3GJ4 | 3/4"               | 1"          | 1.2            | 18      | \$51.91    |

## Series 117NL

MIP x Yoke Nose



| Part Number | Inlet Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 117NL-SR1M3 | 5/8"               | 3/4"        | 0.6            | 25      | \$21.26    |
| 117NL-SR3M3 | 5/8" x 3/4" & 3/4" | 3/4"        | 0.6            | 25      | \$21.26    |
| 117NL-SR4M4 | 3/4"               | 1"          | 0.7            | 25      | \$34.89    |

• Insert stiffeners are required for all connections using plastic flexible pipe see page 108

Pricing in U.S. funds.

## Angle Couplings with Yoke Connection

Rated for 300 PSIG

Angle yoke couplings include a meter star nut for connection to iron yoke bars and a wide variety of inlet/outlet configurations and are manufactured by Cambridge Brass to meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSI rated. They are designed and tested for cold potable water only. NSF rubber gaskets are used in our Compression fittings.

### Series 105NL

CB Compression x Yoke Nose



| Part Number | Inlet Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 105NL-SR1H3 | 5/8"               | 3/4"        | 1.1            | 20      | \$37.20    |
| 105NL-SR3H3 | 5/8" x 3/4" & 3/4" | 3/4"        | 1.3            | 20      | \$37.20    |
| 105NL-SR4H4 | 1"                 | 1"          | 1.9            | 12      | \$65.96    |

### Series 105NL

Copper Flare x Yoke Nose



| Part Number | Inlet Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 105NL-SR1C3 | 5/8"               | 3/4"        | 1.0            | 20      | \$32.14    |
| 105NL-SR3C3 | 5/8" x 3/4" & 3/4" | 3/4"        | 1.1            | 20      | \$32.14    |
| 105NL-SR4C4 | 3/4"               | 1"          | 1.7            | 12      | \$56.26    |

### Series 105NL

Campak Compression x Yoke Nose



| Part Number | Inlet Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 105NL-SR1B3 | 5/8"               | 3/4"        | 1.1            | 20      | \$37.20    |
| 105NL-SR3B3 | 5/8" x 3/4" & 3/4" | 3/4"        | 1.3            | 20      | \$37.20    |
| 105NL-SR4B4 | 1"                 | 1"          | 1.9            | 12      | \$65.96    |

### Series 105NL

FIP x Yoke Nose



| Part Number | Inlet Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 105NL-SR1F3 | 5/8"               | 3/4"        | 0.9            | 20      | \$21.95    |
| 105NL-SR3F3 | 5/8" x 3/4" & 3/4" | 3/4"        | 1.0            | 20      | \$21.95    |
| 105NL-SR4F4 | 1"                 | 1"          | 1.3            | 12      | \$38.83    |

### Series 105NL

Grip Joint Compression x Yoke Nose



| Part Number  | Inlet Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|--------------|--------------------|-------------|----------------|---------|------------|
| 105NL-SR1GJ3 | 5/8"               | 3/4"        | 1.1            | 20      | \$37.20    |
| 105NL-SR3GJ3 | 5/8" x 3/4" & 3/4" | 3/4"        | 1.3            | 20      | \$37.20    |
| 105NL-SR4GJ4 | 1"                 | 1"          | 1.9            | 12      | \$65.96    |

Pricing in U.S. funds.

• Insert stiffeners are required for all connections using plastic flexible pipe see page 108



## Angle Couplings with Waste Drain

### Series 105NL

Yoke Nose x CB



| Part Number  | Inlet Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|--------------|--------------------|-------------|----------------|---------|------------|
| 105NL-SR3H3W | 5/8" x 3/4" & 3/4" | 3/4"        | 1.1            | 20      | \$61.70    |
| 105NL-SR4H4W | 1"                 | 1"          | 1.7            | 12      | \$97.90    |

## Star Nut

### Series 81

Star Nut for Iron Yoke Valves & Fittings



| Part Number | Inlet Size         | Outlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|-------------|----------------|---------|------------|
| 81-SR1      | 5/8"               | 3/4"        | 0.2            | 25      | \$3.46     |
| 81-SR3      | 5/8" x 3/4" & 3/4" | 3/4"        | 0.2            | 25      | \$3.46     |
| 81-SR4      | 1"                 | 1"          | 0.2            | 10      | \$6.16     |

## Expansion Connections Handwheel Type

### Series 430NL

Expansion Connections Handwheel Type



| Part Number | Inlet Size         | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|----------------|---------|------------|
| 430NL-1     | 5/8"               | 0.7            | 45      | \$41.05    |
| 430NL-3     | 5/8" x 3/4" & 3/4" | 1.0            | 50      | \$46.47    |
| 430NL-4     | 1"                 | 1.8            | 20      | \$78.05    |

### Series 431NL

Wrench Type



| Part Number | Inlet Size         | Wt. Each (lbs) | Box Qty | List Price |
|-------------|--------------------|----------------|---------|------------|
| 431NL-1     | 5/8"               | 0.6            | 90      | \$41.05    |
| 431NL-3     | 5/8" x 3/4" & 3/4" | 0.8            | 30      | \$46.47    |

### Series 432NL

Iron Yoke Expansion Wheel  
Lock wing socket Screw



| Part Number | Inlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|----------------|---------|------------|
| 432NL-1     |            |                | 40      | \$76.04    |

### Series 433

Inverted Key



| Part Number | Inlet Size | Wt. Each (lbs) | Box Qty | List Price |
|-------------|------------|----------------|---------|------------|
| 433-KEY     |            |                | 90      | \$26.32    |

Pricing in U.S. funds.



## WARRANTY

Cambridge Brass, Inc., 140 Orion Place, Cambridge, Ontario warrants to the installing purchaser that products manufactured by Cambridge Brass are free from defects in material and/or workmanship for the lifetime of the product.\*

Effective with products produced March 1st, 2005 or thereafter Cambridge Brass will, at its option, repair or replace any part which proves to be defective in material and/or workmanship during the warranty period under approved installation, water and service conditions and use.

If Cambridge Brass concludes that the returned part was manufactured by Cambridge Brass and is, in fact, defective, then Cambridge brass will honor the warranty stated herein. LABOUR CHARGES AND/OR DAMAGED INCURRED IN INSTALLATION, REPAIR OR REPLACEMENT AS WELL AS CONSEQUENTIAL, SPECIAL, INDIRECT OR PUNITIVE DAMAGES CONNECTED THEREWITH ARE EXCLUDED AND WILL NOT BE PAID BY CAMBRIDGE BRASS.

This warranty is void in the event of any damage to the product due to uses other than those for which the product has been designed & promoted including but not limited to abuse, neglect, accident, improper installation, not adhering to installation instructions furnished by Cambridge Brass or, the use of replacement parts other than genuine Cambridge Brass parts.

The Lifetime Warranty terms described herein do not apply to plug (key) style valves, stainless steel saddles, repair clamps, any moving plastic parts such as check valves, 137NL, 139NL, 830, & 831 series products. Cambridge Brass does warrant these parts for 5 years per the other terms of this Lifetime warranty.

The Lifetime Warranty terms described herein do not apply to the Hays plumbing products and meter gaskets. Cambridge Brass does warrant these parts for 1 year per the other terms of this Lifetime warranty.

This is the complete and exclusive warranty made by Cambridge Brass. Cambridge Brass does not make any other warranty of any kind, including any implied warranties.

\*assumes a 40-year product life span.



This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines across its entire width, providing a guide for handwriting or typing. The paper itself is a clean, off-white color. There are no margins, text, or other markings present on the page.



With over 120 years of experience in the industry, Cambridge Brass is one of North America's leading designers, manufacturers and distributors of municipal waterworks products. Cambridge Brass continues to meet the changing needs of our industry for now and into the future.



Check out all  
our platforms!

# CAMBRIDGE BRASS<sup>TM</sup> INC

140 Orion Place, Cambridge, Ontario, N1T 1R9, Canada  
519-621-5520 | 800-724-3906 | [cambridgebrass.com](http://cambridgebrass.com)

E-mail [cbsales@cbrass.com](mailto:cbsales@cbrass.com) for orders, questions, & quote request.



**WARNING:** It is unlawful in **CALIFORNIA & VERMONT** (effective 1/1/2010); **MARYLAND** (effective 1/1/2012); **LOUISIANA** (effective 1/1/2013) and the **UNITED STATES OF AMERICA** (effective 1/4/2014) to use any product in the installation or repair of any public water system or any plumbing in a facility or system that provides water for human consumption if the wetted surface area of the product has a weighted average lead content greater than 0.25%. This prohibition does not extend to service saddles used in California, Louisiana or under USA Public Law 111-380. **WARNING:** This product can expose you to chemicals including lead, which is known to the State of **CALIFORNIA** to cause cancer and birth defects or other reproductive harm. For more information go to: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).