



THE FORD METER BOX COMPANY, INC.  
CERTIFIED TO ISO 9001:2015  
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# Section A

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# Ford Ballcorps and Corporation Stops



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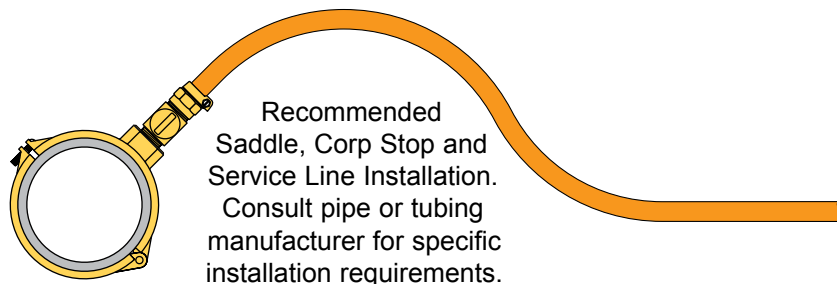
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## Warranty



Ford offers many products listed to specific standards and classifications. Due to the forthcoming standards changes understood during the publication of this catalog, product listings will evolve to meet the changing standards requirements. Please contact the Ford Meter Box Customer Service Department at 260-563-3171 or a local Ford distributor to verify a product meets a specific standard. Ford Meter Box meets your needs for products that are proven and reliable.

Due to design improvements, product images in the catalog do not always reflect the most current design detail.

# Information

## Ford Corporation Stops

### The Ford Square Design for Conventional Plug-Type Corporation Stops



As shown above, the Ford "square" design for conventional plug-type Corporation Stops provides larger, more rugged wrench flats. During the installation of almost every Corporation Stop, a wrench must be used across its body to make final adjustments in the main or saddle, or to connect the service line to its outlet. The Ford "square" design puts the wrench flats where they should be – at the strongest part of the body, thus minimizing the danger of leaks from distortion. These larger wrench flats also provide a more secure grip, resulting in less danger of injured knuckles and hands. *Plug-type Corporation Stops are designed for a maximum working pressure of 100 psi in the 3/4" and 1" sizes. See AWWA Standard C800.*

### The Ford Ballcorp Corporation Stop



This field-proven Corporation Stop incorporates the performance-proven design features of the popular Ford Ball Valve. It reduces the inherent problems of hard turning and of temporary weeping under high test pressures, which is sometimes encountered with standard plug-type Corporation Stops. The Ford Ballcorp is available in 3/4", 1", 1-1/4", 1-1/2" and 2" sizes, with most styles of outlet connections. It may be installed in either a dry main or a main under pressure with a standard tapping machine or saddle. The large wrench flats ensure ease of final adjustment in the main, as well as ease in connecting the service line to the stop. *Ford Ballcorp Corporation Stops are designed to withstand working pressures up to 300 psi.*

### Ford Corporation Stop Numbering System

#### TYPE OF CORPORATION STOP

- F** = Key/Plug Corporation Stop
- FB** = Ford Ballcorp Corporation Stop
- FBRW** = Ford Ballcorp Corporation Stop embossed with "Reclaimed Water"

NOTE: 1-1/4", 1-1/2" and 2" sizes are available only as Ford Ballcorp Corporations.

#### CORPORATION STOP SIZE

- 1** = 1/2"
- 2** = 5/8"
- 3** = 3/4"
- 4** = 1"
- 5** = 1-1/4"
- 6** = 1-1/2"
- 7** = 2"

#### CORPORATION STOP SIZE BY INCREASED OUTLET CONNECTION SIZE

- 23** = 5/8"x3/4"
- 34** = 3/4"x1"
- 45** = 1"x1-1/4"
- 56** = 1-1/4"x1-1/2"
- 67** = 1-1/2"x2"
- 78** = 2"x2-1/2"

**NO-LEAD**  
-NL = No-Lead Alloy ▲

**F 1000 - 3 - G - NL**

#### INLET AND OUTLET CONNECTION TYPE

| Inlet |      | Outlet                                          |
|-------|------|-------------------------------------------------|
| AWWA  | MIP  |                                                 |
| 200   | 300  | Male Coupling Thread with Inside Driving Thread |
| 400   | 500  | Male Iron Pipe                                  |
| 600   | 700  | Flare Copper                                    |
| 800   | 900  | Increased MIP with Inside Driving Thread        |
| 1000  | 1100 | Pack Joint for Copper or Plastic Tubing (CTS)   |
| 1001  | 1101 | Pack Joint for PE Pipe                          |
| 1002  | 1102 | Pack Joint for PVC Pipe                         |
| 1600  | 1700 | Female Iron Pipe                                |

Note: See item listings in catalog section to ensure that desired sizes and options are available.

\*\* Ultra-Tite couplings assembled to corporation stop hand-tight.

#### OPTIONS

- G** = Grip Joint (3/4"-2" CTS and 3/4" and 1" PEP)
- IDR7** = Pack Joint for 1-1/2" and 2" PEP requires dimension ratio designation
- Q** = Quick Joint (for indicated items)
- TA** = Tee-Head Adapter for Ballcorps
- TW-Q** = CTS Quick Joint Nut with Tracer Wire Terminal
- \*\*U-ANWT** = Ultra-Tite Coupling (requires a drilling/tapping machine adapter for MIP threads)
- \*\*U2-ANWT** = Ultra-Tite Coupling (requires a drilling/tapping machine adapter for flare copper threads)
- U-AWT** = Consists of components assembled watertight to coupling or ell

▲ Ford Meter Box no-lead brass products manufactured from UNS/CDA No. 89833 alloy shall contain no more than 0.25% total lead content by weight. United States federal and state laws allow the use of products manufactured from UNS C83600 85-5-5-5 brass alloy for only non-potable water systems within the United States. The same UNS C83600 85-5-5-5 brass alloy, also referenced as gunmetal or LG2, is specified and used in potable water systems in most other countries.

Remove "-NL" from catalog number to have products manufactured from UNS C83600 85-5-5-5 brass alloy.

Parties responsible for monitoring and maintaining proper water system design must exercise full responsibility in understanding and upholding the full intent and scope of applicable lead laws.



# Drilling Machine Adapters

## Recommended Drilling Machine Adapters

| SIZE                                  | FORD CORPORATION STOP NUMBER                                                           | OUTLET THREAD         | MUELLER   |           | ROMAC       | RIDGID  | REED   | FORD             |             |
|---------------------------------------|----------------------------------------------------------------------------------------|-----------------------|-----------|-----------|-------------|---------|--------|------------------|-------------|
|                                       |                                                                                        |                       | E-4 & E-5 | D-4 & D-5 | TAPMATE TOO | MLT3401 | DM1100 | MODEL 77         | SIMTAP      |
| <b>FLARE COPPER THREAD OUTLET</b>     |                                                                                        |                       |           |           |             |         |        |                  |             |
| 1/2"                                  | F600-1, F700-1, F1000-1(-Q), F1100-1                                                   | 1/2" Fl. Copper       | 63796     | -         | -           | -       | -      | DMA2-1-NL        | -           |
| 5/8"                                  | F600-2, F1000-2(-Q)                                                                    | 5/8" Fl. Copper       | -         | -         | -           | -       | -      | DMA2-2-NL        | -           |
| 5/8"x3/4"                             | F600-23, F1000-23                                                                      | 3/4" Fl. Copper       | 52019     | 37902     | 351-05-506  | 92097   | 08423  | DMA2-3-NL        | SIMDMA2-3   |
| 3/4"                                  | F600-3, F700-3, F1000-3(-Q), F1100-3(-Q), FB600-3, FB700-3, FB1000-3(-Q), FB1100-3(-Q) | 3/4" Fl. Copper       | 52019     | 37902     | 351-05-506  | 92097   | 08423  | DMA2-3-NL        | SIMDMA2-3   |
| 3/4"                                  | F1001-3, F1101-3, F1002-3, F1102-3, FB1001-3, FB1101-3, FB1002-3, FB1102-3             | 1" Fl. Copper         | 36750     | 37903     | 351-05-508  | 92102   | 08424  | DMA2-4-NL        | SIMDMA2-4   |
| 3/4"x1"                               | F600-34, F700-34, F1000-34(-Q), F1100-34, FB600-34, FB700-34, FB1000-34, FB1100-34     | 1" Fl. Copper         | 36750     | 37903     | 351-05-508  | 92102   | 08424  | DMA2-4-NL        | SIMDMA2-4   |
| 1"                                    | F600-4, F700-4, F1000-4(-Q), F1100-4(-Q), FB600-4, FB700-4, FB1000-4(-Q), FB1100-4(-Q) | 1" Fl. Copper         | 36750     | 37903     | 351-05-508  | 92102   | 08424  | DMA2-4-NL        | SIMDMA2-4   |
| 3/4"x1"                               | F1001-34, F1101-34, F1002-34, F1102-34                                                 | 1-1/4" Fl. Copper     | 45385     | 37904     | 351-05-510  | 92107   | -      | DMA2-5-NL        | SIMDMA2-5   |
| 1"                                    | F1001-4, F1101-4, F1002-4, F1102-4, FB1001-4, FB1101-4, FB1002-4, FB1102-4             | 1-1/4" Fl. Copper     | 45385     | 37904     | 351-05-510  | 92107   | -      | DMA2-5-NL        | SIMDMA2-5   |
| 1"x1-1/4"                             | F600-45, F700-45, F1000-45, F1100-45, FB600-45, FB700-45, FB1000-45, FB1100-45         | 1-1/4" Fl. Copper     | 45385     | 37904     | 351-05-510  | 92107   | -      | DMA2-5-NL        | SIMDMA2-5   |
| 1-1/4"                                | FB600-5, FB700-5                                                                       | 1-1/4" Fl. Copper     | 45385     | 37904     | 351-05-510  | 92107   | -      | DMA2-5F-SS-NL    | SIMDMA2-5   |
|                                       | FB1000-5, FB1100-5                                                                     | 1-1/4" Fl. Copper     | 45385     | 37904     | 351-05-510  | 92107   | -      | DMA2-5-NL        | SIMDMA2-5   |
|                                       | FB1001-5, FB1101-5                                                                     | 1-1/2" Fl. Copper     | 501947    | 37905     | 351-05-512  | 92112   | 08425  | DMA2-6F-NL       | SIMDMA2-6   |
|                                       | FB1002-5, FB1102-5                                                                     | 1-1/2" Fl. Copper     | 501947    | 37905     | 351-05-512  | 92112   | 08425  | DMA2-6-NL        | SIMDMA2-6   |
| 1-1/4"x1-1/2"                         | FB600-56, FB700-56, FB1000-56, FB1100-56                                               | 1-1/2" Fl. Copper     | 501947    | 37905     | 351-05-512  | 92112   | 08425  | DMA2-6-NL        | SIMDMA2-6   |
| 1-1/2"                                | FB600-6, FB700-6, FB1000-6, FB1100-6, FB1002-6, FB1102-6                               | 1-1/2" Fl. Copper     | 501947    | 37905     | 351-05-512  | 92112   | 08425  | DMA2-6-NL        | SIMDMA2-6   |
|                                       | FB1001-6, FB1101-6                                                                     | 2" Fl. Copper         | 508201    | 37906     | 351-05-516  | 92117   | 08426  | DMA2-7-NL        | **See Note  |
| 1-1/2"x2"                             | FB600-67, FB700-67, FB1000-67, FB1100-67                                               | 2" Fl. Copper         | 508201    | 37906     | 351-05-516  | 92117   | 08426  | DMA2-7-NL        | **See Note  |
| 2"                                    | FB600-7, FB700-7, FB1000-7, FB1100-7, FB1001-7, FB1101-7, FB1002-7, FB1102-7           | 2" Fl. Copper         | 508201    | 37906     | 351-05-516  | 92117   | 08426  | DMA2-7-NL        | **See Note  |
| <b>MALE IRON PIPE THREAD OUTLET</b>   |                                                                                        |                       |           |           |             |         |        |                  |             |
| 1/2"                                  | F400-1, F500-1                                                                         | 1/2" MIP              | 36967     | -         | -           | -       | -      | DMA1-1-NL        | -           |
|                                       | F800-1, F900-1                                                                         | 3/4" MIP              | 36919     | 36910     | 351-05-406  | -       | -      | DMA1-3-NL        | SIMDMA1-3   |
| 1/2"x3/4"                             | F400-13, F500-13                                                                       | 3/4" MIP              | 36919     | 36910     | 351-05-406  | -       | -      | DMA1-3-NL        | SIMDMA1-3   |
| 5/8"                                  | F800-2                                                                                 | 3/4" MIP              | 36919     | 36910     | 351-05-406  | -       | -      | DMA1-3-NL        | SIMDMA1-3   |
| 3/4"                                  | F400-3, F500-3, FB400-3, FB500-3                                                       | 3/4" MIP              | 36919     | 36910     | 351-05-406  | -       | -      | DMA1-3-NL        | SIMDMA1-3   |
|                                       | F800-3, F900-3, FB800-3, FB900-3                                                       | 1" MIP                | 36917     | 36911     | 351-05-408  | -       | -      | DMA1-4-NL        | SIMDMA1-4   |
| 3/4"x1"                               | F400-34, FB400-34                                                                      | 1" MIP                | 36917     | 36911     | 351-05-408  | -       | -      | DMA1-4-NL        | SIMDMA1-4   |
| 1"                                    | F400-4, F500-4, FB400-4, FB500-4                                                       | 1" MIP                | 36917     | 36911     | 351-05-408  | -       | -      | DMA1-4-NL        | SIMDMA1-4   |
|                                       | F800-4, F900-4, FB800-4, FB900-4                                                       | 1-1/4" MIP            | 36928     | 36912     | 351-05-410  | -       | -      | DMA1-5-NL        | SIMDMA1-5   |
| 1-1/4"                                | FB400-5, FB500-5                                                                       | 1-1/4" MIP            | 36928     | 36912     | 351-05-410  | -       | -      | DMA1-5F-SS-NL    | SIMDMA1-5   |
|                                       | FB800-5, FB900-5                                                                       | 1-1/2" MIP            | 501948    | 36913     | 351-05-412  | -       | 08428  | DMA1-6-NL        | SIMDMA1-6   |
| 1-1/2"                                | FB400-6, FB500-6                                                                       | 1-1/2" MIP            | 501948    | 36913     | 351-05-412  | -       | 08428  | DMA1-6-NL        | SIMDMA1-6   |
|                                       | FB800-6, FB900-6                                                                       | 2" MIP                | 508200    | 36525     | 351-05-416  | -       | 08429  | DMA1-67-NL       | SIMDMA1-7   |
| 2"                                    | FB400-7, FB500-7                                                                       | 2" MIP                | 508200    | 36525     | 351-05-416  | -       | 08429  | DMA1-7-NL        | SIMDMA1-7   |
|                                       | FB800-7, FB900-7                                                                       | 2-1/2" MIP            | -         | 36526     | 351-05-420  | -       | -      | DMA1-78-NL       | SIMDMA1-8   |
| <b>FEMALE IRON PIPE THREAD OUTLET</b> |                                                                                        |                       |           |           |             |         |        |                  |             |
| 1/2"                                  | F1700-1                                                                                | 1/2" FIP              | 36967     | -         | -           | -       | -      | -                | -           |
| 3/4"                                  | F1600-3, F1700-3, FB1600-3, FB1700-3                                                   | 3/4" FIP              | 36920     | 33556     | 351-05-606  | -       | -      | -                | -           |
| 3/4"x1"                               | FB1600-34, FB1700-34                                                                   | 1" FIP                | 36918     | 36323     | 351-05-608  | -       | -      | DMA8-4-NL        | -           |
| 1"                                    | F1600-4, F1700-4, FB1600-4, FB1700-4                                                   | 1" FIP                | 36918     | 36323     | 351-05-608  | -       | -      | DMA8-4-NL        | -           |
| 1"x1-1/4"                             | FB1600-45, FB1700-45                                                                   | 1-1/4" FIP            | 36733     | 36195     | 351-05-610  | -       | -      | -                | -           |
| 1-1/4"                                | FB1600-5, FB1700-5                                                                     | 1-1/4" FIP            | 36733     | 36195     | 351-05-610  | -       | -      | -                | -           |
| 1-1/4"x1-1/2"                         | FB1600-56, FB1700-56                                                                   | 1-1/2" FIP            | 503435    | 36196     | 351-05-612  | -       | -      | DMA8-6-SS-NL     | -           |
| 1-1/2"                                | FB1600-6, FB1700-6                                                                     | 1-1/2" FIP            | 503435    | 36196     | 351-05-612  | -       | -      | DMA8-6-SS-NL     | -           |
| 1-1/2"x2"                             | FB1600-67, FB1700-67                                                                   | 2" FIP                | 78907     | 36188     | 351-05-616  | -       | -      | DMA8-7-SS-NL     | -           |
| 2"                                    | FB1600-7, FB1700-7                                                                     | 2" FIP                | 78907     | 36188     | 351-05-616  | -       | -      | DMA8-7-SS-NL     | -           |
| 2"x2-1/2"                             | FB1600-78, FB1700-78                                                                   | 2-1/2" FIP            | -         | -         | -           | -       | -      | -                | -           |
| <b>SPECIAL THREAD OUTLET</b>          |                                                                                        |                       |           |           |             |         |        |                  |             |
| 3/4"                                  | F1001-3-Q, F1101-3-Q, FB1001-3-Q, FB1101-3-Q                                           | 3/4" Special Thread   | 508919    | 508917    | -           | -       | 08423  | DMA6-3-Q-NL      | SIMDMA6-3-Q |
| 1"                                    | F1001-4-Q, F1101-4-Q, FB1001-4-Q, FB1101-4-Q                                           | 1" Special Thread     | 508920    | 508918    | -           | -       | 08424  | DMA6-4-Q-NL      | SIMDMA6-4-Q |
| 1-1/4"                                | FB1000-5-Q, FB1100-5-Q                                                                 | 1-1/4" Special Thread | -         | -         | -           | -       | -      | *DMA4-5F-Q-SS-NL | SIMDMA4-5-Q |
| 1-1/2"                                | FB1000-6-Q, FB1100-6-Q                                                                 | 1-1/2" Special Thread | 501949    | 507644    | 351-05-712  | 92157   | 08431  | DMA4-6-Q-NL      | SIMDMA4-6-Q |
| 2"                                    | FB1000-7-Q, FB1100-7-Q                                                                 | 2" Special Thread     | 508199    | 507645    | 351-05-716  | 92162   | 08432  | DMA4-7-Q-NL      | SIMDMA4-7-Q |

\* Requires DMBB-67 Boring Bar

\*\*Use SIMTAP Drilling Machine Body without an adapter

# Drilling Machine Adapters

## Recommended Drill Sizes

For installation of Corporation Stops in Service Clamps or Saddles with a Drilling Machine

| CORPORATION STOP SIZE                                   | 1/2"  | 5/8"  | 5/8"x3/4" | 3/4"   | 3/4"x1" | 1"     | 1-1/4"  | 1-1/2"  | 2"     |
|---------------------------------------------------------|-------|-------|-----------|--------|---------|--------|---------|---------|--------|
| Maximum Drill size for Stop with AWWA thread inlet      | 7/16" | 9/16" | 9/16"     | 11/16" | 11/16"  | 15/16" | 1-3/16" | 1-7/16" | 1-7/8" |
| Maximum Drill size for Stop with iron pipe thread inlet | 7/16" | -     | -         | 11/16" | 11/16"  | 7/8"   | 1-3/16" | 1-7/16" | 1-7/8" |

## Recommended Tapping Machine Adapters

| SIZE                    | FORD CORPORATION NUMBER          | OUTLET THREADS    | MUELLER       |        |           | REED  | RIDGID  |
|-------------------------|----------------------------------|-------------------|---------------|--------|-----------|-------|---------|
|                         |                                  |                   | B-100 & B-101 | B      | A-2 & A-3 | TM100 | MLT3401 |
| 5/8"x3/4"               | F1000                            | 3/4" Fl. Copper   | 680600        | 680600 | 680600    | 98423 | 92182   |
| 3/4"                    | F (or FB) 1000, 1100             | 3/4" Fl. Copper   | 680600        | 680600 | 680600    | 98423 | 92182   |
| 3/4"                    | F (or FB) 1001, 1101, 1002, 1102 | 1" Fl. Copper     | 680601        | 680601 | 680601    | 98424 | 92187   |
| 3/4"x1"                 | F (or FB) 1000, 1100             | 1" Fl. Copper     | 680601        | 680601 | 680601    | 98424 | 92187   |
| 1"                      | F (or FB) 1000, 1100             | 1" Fl. Copper     | 680601        | 680601 | 680601    | 98424 | 92187   |
| 3/4"x1"                 | F1001, 1101, 1002, 1102          | 1-1/4" Fl. Copper | 680602        | -      | 680602    | -     | -       |
| 1"                      | F (or FB) 1001, 1101, 1002, 1102 | 1-1/4" Fl. Copper | 680602        | -      | 680602    | -     | -       |
| 1"x1-1/4"               | F (or FB) 1000, 1100             | 1-1/4" Fl. Copper | 680602        | -      | 680602    | -     | -       |
| 1-1/4"                  | FB1000, 1100                     | 1-1/4" Fl. Copper | 680602        | -      | 680602    | -     | -       |
| 1-1/4"                  | FB1001, 1101, 1002, 1102         | 1-1/2" Fl. Copper | -             | -      | 88640     | -     | -       |
| 1-1/4"x1-1/2"           | FB1000, 1100                     | 1-1/2" Fl. Copper | -             | -      | 88640     | -     | -       |
| 1-1/2"                  | FB1000, 1100, 1002, 1102         | 1-1/2" Fl. Copper | -             | -      | 88640     | -     | -       |
| 1-1/2"                  | FB1001, 1101                     | 2" Fl. Copper     | -             | -      | 88640     | -     | -       |
| 1-1/2"x2"               | FB1000, 1100                     | 2" Fl. Copper     | -             | -      | 88641     | -     | -       |
| 2"                      | FB1000, 1100                     | 2" Fl. Copper     | -             | -      | 88641     | -     | -       |
| 2"                      | FB1001, 1101, 1002, 1102         | 2" Fl. Copper     | -             | -      | 88641     | -     | -       |
| <b>SPECIAL ADAPTERS</b> |                                  |                   |               |        |           |       |         |
| 3/4"                    | F (or FB) 1001-3-Q, 1101-3-Q     | Special Thread    | 680688        | -      | -         | 98423 | -       |
| 1"                      | F (or FB) 1001-4-Q, 1101-4-Q     | Special Thread    | 680689        | -      | 680689    | 98424 | -       |
| 1-1/2"                  | FB1000-6-Q, 1100-6-Q             | Special Thread    | -             | -      | 680421    | -     | -       |
| 2"                      | FB1000-7-Q, 1100-7-Q             | Special Thread    | -             | -      | 680422    | -     | -       |

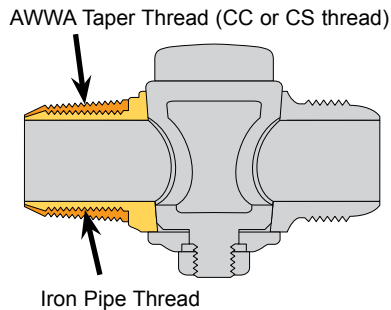
**WARNING:** Some tapping machine adapters, furnished by the tapping machine manufacturers, are not threaded all the way to the bottom of the adapter. This can cause problems when installing Ford Pack Joint and Grip Joint style corporation stops. If your adapter is **not** threaded to the bottom, a free washer-type screw plug adapter is available from Ford.

# Specifications

Ford Corporation Stops are designed and manufactured to conform with AWWA Standard C800. This specification covers thread dimensions, the metal alloy (no-lead brass), and the pressure rating for plug style valves. All Ford Stops are individually inspected and tested for leaks with air pressure. They are all compatible with tapping machines of current design.

## Inlet Threads

Two types of inlets are available on Ford Corporation Stops, both the conventional plug-type and the Ford Ballcorp Corporation Stop. The AWWA standard thread has a steeper taper than iron pipe threads. When ordering, please use the catalog number corresponding to the type of inlet threads desired.

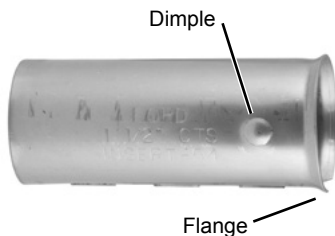


## Outlet Connections

Outlet threads on both plug-type and Ford Ballcorp Corporation Stops conform to the following tables in AWWA Standard C800. Series 400, 500, 800, and 900 conform to Table 8; Series 600 and 700 conform to Table 4. Internal driving threads in the 200, 300, 800, and 900 series conform to Table 9.

Plug-type and Ford Ballcorp Corporation Stops are available with outlet Pack Joints, Grip Joints, Quick Joints and Ultra-Tite Couplings - see pages A-7 and A-8 for additional information.

## Insert Stiffeners



Ford Insert Stiffeners are solid 304 tubular stainless steel, dimpled and flanged to retain placement within the service line. Before using Ford Insert Stiffeners, be sure inside tubing or pipe dimensions correspond to the table below.

**NOTE: Consult pipe or tubing manufacturer for specific installation requirements. Ford recommends using insert stiffeners when using plastic pipe or tubing, except for Ultra-Tite compression fittings.**

### 50 Series For Polyethylene Tubing (PET)

| CATALOG NUMBER     | NOMINAL SIZE | PET ID | APPROX. Wt. LBS.* | STD. PKG. QTY. |
|--------------------|--------------|--------|-------------------|----------------|
| INSERT-51          | 3/4"         | 0.681  | 4.8               | 200            |
| INSERT-52          | 1"           | 0.875  | 4.2               | 100            |
| ** INSERT-53-72    | 1-1/4"       | 1.069  | 2.4               | 50             |
| ***♦INSERT-53-72-Q | 1-1/4"       | 1.069  | 2.4               | 50             |
| INSERT-54          | 1-1/2"       | 1.263  | 3.1               | 25             |
| INSERT-55          | 2"           | 1.653  | 6.0               | 40             |
| ♦INSERT-54-Q       | 1-1/2"       | 1.263  | 2.6               | 30             |
| ♦INSERT-55-Q       | 2"           | 1.653  | 5.8               | 50             |

### 70 Series For Polyethylene Pipe (PEP)

| CATALOG NUMBER     | NOMINAL SIZE | PEP ID | APPROX. Wt. LBS.* | STD. PKG. QTY. |
|--------------------|--------------|--------|-------------------|----------------|
| INSERT-71          | 3/4"         | 0.824  | 4.4               | 100            |
| ** INSERT-53-72    | 1"           | 1.049  | 2.9               | 50             |
| ***♦INSERT-53-72-Q | 1"           | 1.049  | 2.9               | 50             |
| INSERT-73          | 1-1/4"       | 1.380  | 5.8               | 75             |
| INSERT-74          | 1-1/2"       | 1.610  | 5.5               | 45             |
| INSERT-75          | 2"           | 2.067  | 9.7               | 50             |

### Inserts For OD Controlled DR11 High Density Polyethylene (HDPE) Pipe with PVC O.D.

| CATALOG NUMBER  | NOMINAL SIZE AND PIPE TYPE | DR | HDPE OD | NOMINAL ID |
|-----------------|----------------------------|----|---------|------------|
| ** INSERT-53-72 | 1" IPS                     | 11 | 1.315   | 1.06       |
| INSERT-73-DR11  | 1-1/4" IPS                 | 11 | 1.660   | 1.34       |
| INSERT-74-DR11  | 1-1/2" IPS                 | 11 | 1.900   | 1.53       |
| INSERT-75-DR11  | 2" IPS                     | 11 | 2.375   | 1.92       |

\* Weights for insert stiffeners are for standard package quantities.

\*\* INSERT-53-72 fits 1-1/4" plastic tubing (1.069 I.D.), 1" plastic pipe (1.049 I.D.) and 1" IPS HDPE (1.055 I.D.).

\*\*\* INSERT-53-72-Q fits 1-1/4" plastic tubing (1.069 I.D.) and 1" plastic pipe (1.049 I.D.).

♦ These inserts are specially designed and required for Quick Joint Fittings. They **are not** interchangeable with other compression fittings.

## DIMENSION COMPARISON TABLE FOR PLASTIC, COPPER AND GALVANIZED IRON

| PIPE AND TUBING TYPE | PSI        | SDR  | CONTROL | O.D.  |       |       |        |        |       | I.D.  |       |       |        |        |       |
|----------------------|------------|------|---------|-------|-------|-------|--------|--------|-------|-------|-------|-------|--------|--------|-------|
|                      |            |      |         | 1/2"  | 3/4"  | 1"    | 1-1/4" | 1-1/2" | 2"    | 1/2"  | 3/4"  | 1"    | 1-1/4" | 1-1/2" | 2"    |
| Copper               | —          | —    | OD      | 0.625 | 0.875 | 1.125 | 1.375  | 1.625  | 2.125 | —     | —     | —     | —      | —      | —     |
| PET                  | 200<br>250 | SDR9 | OD      | 0.625 | 0.875 | 1.125 | 1.375  | 1.625  | 2.125 | —     | 0.681 | 0.875 | 1.069  | 1.263  | 1.653 |
| PEP                  | 200<br>250 |      |         | SIDR7 | ID    | —     | 1.060  | 1.349  | 1.774 | 2.070 | 2.657 | —     | 0.824  | 1.049  | 1.380 |
| PVC                  | —          | —    | OD      | 0.840 | 1.050 | 1.315 | 1.660  | 1.900  | 2.375 | —     | —     | —     | —      | —      | —     |
| Galv IP              | —          | —    | OD      | 0.840 | 1.050 | 1.315 | 1.660  | 1.900  | 2.375 | —     | —     | —     | —      | —      | —     |

Ford Pack Joints for PVC are recommended for use only with Schedule 40 and Schedule 80 PVC.

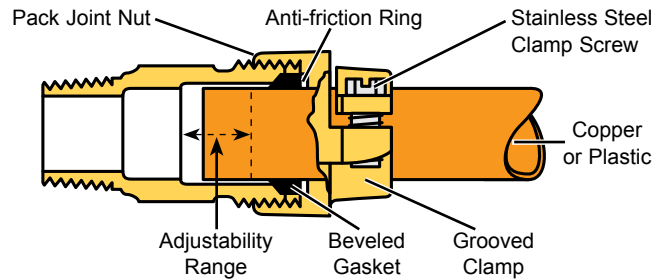
# \*Ford Pack Joint Couplings

## How the Pack Joint Works

1. Tightening the large Pack Joint Nut compresses an EPDM beveled gasket to make it watertight around the pipe or tubing.
2. For copper or plastic tubing and pipe there is a split clamp locking device, which is drawn down securely on the tubing or pipe by tightening a stainless steel screw. For iron pipe, a stainless steel set screw is provided on the Pack Joint to bite in and lock on the pipe.
3. Machined grooves in the clamp provide additional gripping action.

Installation instructions are shipped with product and posted on the Ford Meter Box website. Consult pipe or tubing manufacturer for specific installation requirements.

**FOR COPPER, PET, PEP OR PVC**  
(Metal inserts to be used with PET or PEP)



# \*Ford Quick Joint Couplings

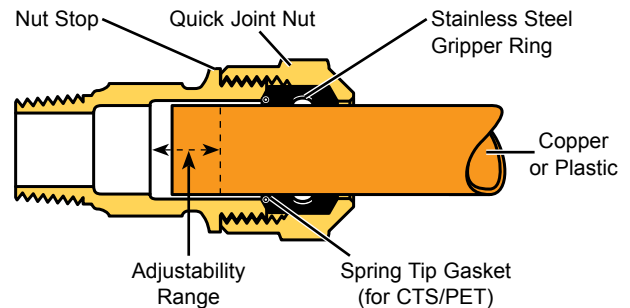
The Ford Quick Joint offers traditional Ford features of quality and reliability. This easy to use fitting is available on a wide variety of Ford products. Just stab the copper or plastic tubing into the fitting and tighten down the compression nut to the external stop. That's it! The Quick Joint provides excellent pullout resistance and superior hydraulic blow-off protection.

Note: The Ford Quick Joint Nut is NOT interchangeable with other compression fittings.

## How the Quick Joint Works

1. A large gasket and stainless steel gripper ring are drawn down together when the nut is tightened, providing the hydraulic seal and mechanical restraint.
2. A transparent fluorocarbon coating covers the interior of the nut, providing smooth torque transfer. This coating eliminates "back drive", reduces tightening torque and minimizes gasket distortion.
3. A positive, external and visual stop ensures correct installation, providing maximum gasket seal.

**FOR 3/4" - 2" COPPER, PET (SDR9) OR 3/4" - 1" PEP**  
(Metal inserts to be used with PET or PEP)



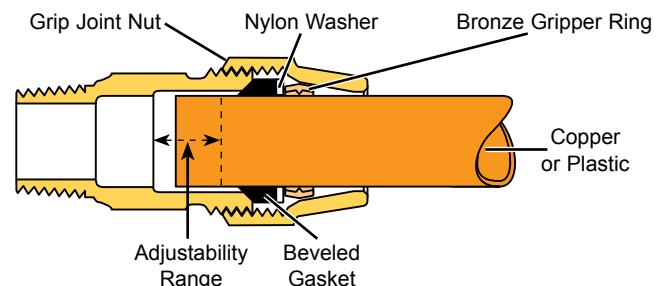
Installation instructions are shipped with product and posted on the Ford Meter Box website. Consult pipe or tubing manufacturer for specific installation requirements.

# \*Ford Grip Joint Couplings

## How the Grip Joint Works

1. Tightening the Grip Joint Nut compresses an EPDM beveled gasket to make it watertight around the pipe or tubing.
2. The bronze split ring is drawn down when the nut is tightened, providing the mechanical seal and lock on the pipe.
3. Grip Joint Couplings are manufactured for copper, PET (3/4" - 2") or PEP (3/4" and 1").

**FOR COPPER, PET OR PEP**  
(Metal inserts to be used with PET or PEP)



Installation instructions are shipped with product and posted on the Ford Meter Box website. Consult pipe or tubing manufacturer for specific installation requirements.

\* See table on page A-6 for recommended PE pipe and tubing.

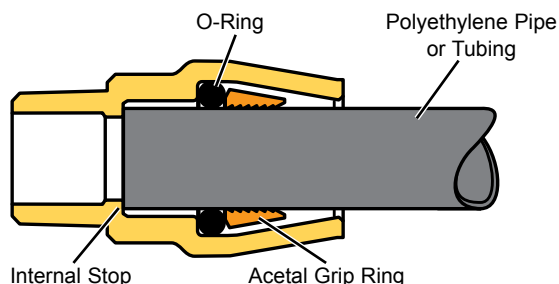
# Ford Ultra-Tite Couplings\*

The Ford Ultra-Tite compression coupling provides an immediate lock onto Polyethylene Pipe (PEP/IPS) or Polyethylene Tubing (PET/CTS) when inserted to the internal stop.

## How the Ultra-Tite Works

1. An integral stop within the coupling ensures full pipe insertion.
2. The directional serrations of the plastic grip ring engage the outside diameter of the pipe or tubing, providing a mechanical seal and lock.
3. The internal O-ring provides a hydraulic seal.

**FOR 3/4" AND 1" PEP AND PET**  
(No insert required or recommended.)



Installation instructions are shipped with product and posted on the Ford Meter Box website. Consult pipe or tubing manufacturer for specific installation requirements.

Ultra-Tite couplings on corporation stops are assembled hand-tight and must be removed for drilling or tapping machine adaptation to corporation stop outlet thread. Once the tap is made, the Ultra-Tite should be securely tightened to the corporation stop outlet thread. U-ANWT (requires drilling/tapping machine adapter for MIP threads), U2-ANWT (requires drilling/tapping machine adapter for flare copper threads).

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## Code Marks for Ford Coupling Nuts



**CTS-** Copper and PET  
**PEP-** PE pipe  
**PVC-** PVC pipe

## Explanation of Types of Pipe and Tubing

### Copper Tube

Copper tubing is widely used as a service line and the **outside diameter** is closely held by manufacturers. The outside diameter of copper tubing has become a standard in the industry and is known as "copper tube size" or CTS.

### PET/CTS

Plastic Tubing- PET- Flexible polyethylene tubing in what is referred to as "copper tube size." Plastic Tube refers to any plastic with the same **outside diameter** as corresponding sizes of copper tube.

### PEP

Plastic Pipe- Flexible polyethylene pipe in what is referred to as "iron pipe size." Plastic Pipe refers to any pipe having the same **inside diameter** as corresponding sizes of standard iron pipe.

### PVC

PVC Pipe- PVC pipe refers to polyvinyl chloride (PVC) rigid plastic pipe having the same **outside diameter** as corresponding sizes of standard iron pipe.

**Ford Pack Joints for PVC are recommended for use only with Schedule 40 and Schedule 80 PVC.**

\* See table on page A-6 for recommended PE pipe and PE tubing.



# Ford Corporation Stops and Ford Ballcorp Corporation Stops

With Pack Joint for Copper or Plastic Tube (CTS)

## F1000 - AWWA/CC Taper Thread Inlet by Pack Joint Outlet for Copper or Plastic Tubing (CTS)

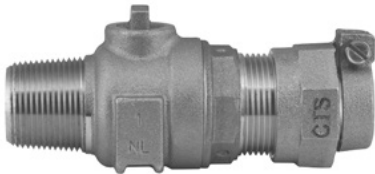


F1000-3-NL

| CATALOG NUMBER | DESCRIPTION |            |             | BODY OUTLET THREADS | APPROX. WT. LBS. |
|----------------|-------------|------------|-------------|---------------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                     |                  |
| ◆ F1000-1-NL   | 1/2"        | 1/2"       | 1/2"        | 1/2" Flare Copper   | 0.9              |
| ◆ F1000-2-NL   | 5/8"        | 5/8"       | 5/8"        | 5/8" Flare Copper   | 1.4              |
| F1000-23-NL    | 5/8"        | 5/8"       | 3/4"        | 3/4" Flare Copper   | 1.4              |
| ▶◆ F1000-3-NL  | 3/4"        | 3/4"       | 3/4"        | 3/4" Flare Copper   | 1.6              |
| F1000-32-Q-NL  | 3/4"        | 3/4"       | 5/8"        | 5/8" Flare Copper   | 1.6              |
| ▶◆ F1000-34-NL | 3/4"        | 3/4"       | 1"          | 1" Flare Copper     | 1.9              |
| ▶◆ F1000-4-NL  | 1"          | 1"         | 1"          | 1" Flare Copper     | 2.7              |
| F1000-45-NL    | 1"          | 1"         | 1-1/4"      | 1-1/4" Flare Copper | 3.3              |

Grip Joint for CTS (3/4" through 2") is available. Add "-G" to the catalog number.

## FB1000 Ballcorp - AWWA/CC Taper Thread Inlet by Pack Joint Outlet for Copper or Plastic Tubing (CTS)



FB1000-4-NL

| CATALOG NUMBER   | DESCRIPTION |            |             | BODY OUTLET THREADS   | APPROX. WT. LBS. |
|------------------|-------------|------------|-------------|-----------------------|------------------|
|                  | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                       |                  |
| ▶◆ FB1000-3-NL   | 3/4"        | 3/4"       | 3/4"        | 3/4" Flare Copper     | 1.6              |
| ▶ FB1000-34-NL   | 3/4"        | 3/4"       | 1"          | 1" Flare Copper       | 1.8              |
| ▶◆ FB1000-4-NL   | 1"          | 1"         | 1"          | 1" Flare Copper       | 2.2              |
| FB1000-45-NL     | 1"          | 1"         | 1-1/4"      | 1-1/4" Flare Copper   | 3.0              |
| * FB1000-45-Q-NL | 1"          | 1"         | 1-1/4"      | 1-1/4" Special Thread | 2.5              |
| FB1000-5-NL      | 1-1/4"      | 1-1/4"     | 1-1/4"      | 1-1/4" Flare Copper   | 4.8              |
| * FB1000-5-Q-NL  | 1-1/4"      | 1-1/4"     | 1-1/4"      | 1-1/4" Special Thread | 4.6              |
| FB1000-56-NL     | 1-1/4"      | 1-1/4"     | 1-1/2"      | 1-1/2" Flare Copper   | 5.5              |
| FB1000-6-NL      | 1-1/2"      | 1-1/2"     | 1-1/2"      | 1-1/2" Flare Copper   | 6.2              |
| * FB1000-6-Q-NL  | 1-1/2"      | 1-1/2"     | 1-1/2"      | 1-1/2" Special Thread | 6.1              |
| FB1000-67-NL     | 1-1/2"      | 1-1/2"     | 2"          | 2" Flare Copper       | 8.5              |
| FB1000-7-NL      | 2"          | 2"         | 2"          | 2" Flare Copper       | 11.4             |
| * FB1000-7-Q-NL  | 2"          | 2"         | 2"          | 2" Special Thread     | 9.8              |
| FB1000-78-NL     | 2"          | 2"         | 2-1/2"      | 2-1/2" Flare Copper   | 11.6             |

Grip Joint for CTS (3/4" through 2") is available. Add "-G" to the catalog number.

## F1100 - Male Iron Pipe Thread Inlet by Pack Joint Outlet for Copper or Plastic Tubing (CTS)

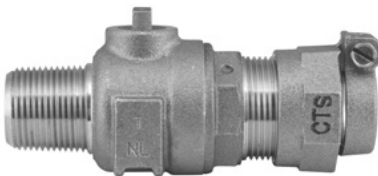


F1100-4-G-NL

| CATALOG NUMBER | DESCRIPTION |            |             | BODY OUTLET THREADS | APPROX. WT. LBS. |
|----------------|-------------|------------|-------------|---------------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                     |                  |
| ◆ F1100-1-NL   | 1/2"        | 1/2"       | 1/2"        | 1/2" Flare Copper   | 0.9              |
| ▶◆ F1100-3-NL  | 3/4"        | 3/4"       | 3/4"        | 3/4" Flare Copper   | 1.6              |
| ▶ F1100-34-NL  | 3/4"        | 3/4"       | 1"          | 1" Flare Copper     | 1.8              |
| ▶◆ F1100-4-NL  | 1"          | 1"         | 1"          | 1" Flare Copper     | 2.7              |
| F1100-45-NL    | 1"          | 1"         | 1-1/4"      | 1-1/4" Flare Copper | 3.1              |

Grip Joint for CTS (3/4" through 2") is available. Add "-G" to the catalog number.

## FB1100 Ballcorp - Male Iron Pipe Thread Inlet by Pack Joint Outlet for Copper or Plastic Tubing (CTS)



FB1100-4-NL

| CATALOG NUMBER  | DESCRIPTION |            |             | BODY OUTLET THREADS   | APPROX. WT. LBS. |
|-----------------|-------------|------------|-------------|-----------------------|------------------|
|                 | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                       |                  |
| ▶◆ FB1100-3-NL  | 3/4"        | 3/4"       | 3/4"        | 3/4" Flare Copper     | 1.6              |
| ▶ FB1100-34-NL  | 3/4"        | 3/4"       | 1"          | 1" Flare Copper       | 1.8              |
| ▶◆ FB1100-4-NL  | 1"          | 1"         | 1"          | 1" Flare Copper       | 2.2              |
| FB1100-45-NL    | 1"          | 1"         | 1-1/4"      | 1-1/4" Flare Copper   | 3.3              |
| FB1100-5-NL     | 1-1/4"      | 1-1/4"     | 1-1/4"      | 1-1/4" Flare Copper   | 4.8              |
| * FB1100-5-Q-NL | 1-1/4"      | 1-1/4"     | 1-1/4"      | 1-1/4" Special Thread | 4.6              |
| FB1100-56-NL    | 1-1/4"      | 1-1/4"     | 1-1/2"      | 1-1/2" Flare Copper   | 5.5              |
| FB1100-6-NL     | 1-1/2"      | 1-1/2"     | 1-1/2"      | 1-1/2" Flare Copper   | 6.1              |
| * FB1100-6-Q-NL | 1-1/2"      | 1-1/2"     | 1-1/2"      | 1-1/2" Special Thread | 5.9              |
| FB1100-67-NL    | 1-1/2"      | 1-1/2"     | 2"          | 2" Flare Copper       | 8.3              |
| FB1100-7-NL     | 2"          | 2"         | 2"          | 2" Flare Copper       | 10.6             |
| * FB1100-7-Q-NL | 2"          | 2"         | 2"          | 2" Special Thread     | 8.9              |
| FB1100-78-NL    | 2"          | 2"         | 2-1/2"      | 2-1/2" Flare Copper   | 10.7             |

Grip Joint for CTS (3/4" through 2") is available. Add "-G" to the catalog number.

◆ **Quick Joint** is available. Add "-Q" to the catalog number.

▶ **Ultra-Tite** is available, add "U-ANWT" (MIP outlet threads), U2-ANWT (flare copper outlet threads) to the catalog number. (Consists of corporation stop and Ultra-Tite coupling assembled hand-tight.) See page A-8.

\* 1-1/4", 1-1/2" and 2" Quick Joint Ballcorp Corporation Stop outlet threads require a special threaded drilling machine adapter. See pages A-4 and A-5 for Drilling Machine Adapters.

**Note:** Ford recommends using insert stiffeners when using plastic pipe or tubing, except when using Ultra-Tite compression fittings. See page A-6.

# Ford Corporation Stops and Ford Ballcorp Corporation Stops

With Pack Joint for PE Pipe



F1001-4-NL

## F1001 - AWWA/CC Taper Thread Inlet by Pack Joint Outlet for PE Pipe

| CATALOG NUMBER | DESCRIPTION |            |             | BODY OUTLET THREADS    | APPROX. WT. LBS. |
|----------------|-------------|------------|-------------|------------------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                        |                  |
| ▶ F1001-3-NL   | 3/4"        | 3/4"       | 3/4"        | 1" Flare Copper        | 1.8              |
| * F1001-3-Q-NL | 3/4"        | 3/4"       | 3/4"        | 1" Special Threads     | 2.1              |
| ▶ F1001-34-NL  | 3/4"        | 3/4"       | 1"          | 1-1/4" Flare Copper    | 2.4              |
| ▶ F1001-4-NL   | 1"          | 1"         | 1"          | 1-1/4" Flare Copper    | 3.3              |
| * F1001-4-Q-NL | 1"          | 1"         | 1"          | 1-1/4" Special Threads | 3.4              |

Grip Joint for PEP (3/4" and 1") is available. Add "-G" to the catalog number.



FB1001-4-NL

| CATALOG NUMBER   | DESCRIPTION |            |             | BODY OUTLET THREADS    | APPROX. WT. LBS. |
|------------------|-------------|------------|-------------|------------------------|------------------|
|                  | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                        |                  |
| ▶ FB1001-3-NL    | 3/4"        | 3/4"       | 3/4"        | 1" Flare Copper        | 2.1              |
| * FB1001-3-Q-NL  | 3/4"        | 3/4"       | 3/4"        | 1" Special Threads     | 2.3              |
| ▶ FB1001-4-NL    | 1"          | 1"         | 1"          | 1-1/4" Flare Copper    | 3.3              |
| * FB1001-4-Q-NL  | 1"          | 1"         | 1"          | 1-1/4" Special Threads | 3.4              |
| FB1001-5-NL      | 1-1/4"      | 1-1/4"     | 1-1/4"      | 1-1/2" Flare Copper    | 5.5              |
| FB1001-6-IDR7-NL | 1-1/2"      | 1-1/2"     | 1-1/2"      | 2" Flare Copper        | 8.5              |
| FB1001-7-IDR7-NL | 2"          | 2"         | 2"          | 2" Flare Copper        | 11.6             |

Grip Joint for PEP (3/4" and 1") is available. Add "-G" to the catalog number.

## F1101 - Male Iron Pipe Thread Inlet by Pack Joint Outlet for PE Pipe



F1101-4-NL

| CATALOG NUMBER | DESCRIPTION |            |             | BODY OUTLET THREADS    | APPROX. WT. LBS. |
|----------------|-------------|------------|-------------|------------------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                        |                  |
| ▶ F1101-3-NL   | 3/4"        | 3/4"       | 3/4"        | 1" Flare Copper        | 1.8              |
| * F1101-3-Q-NL | 3/4"        | 3/4"       | 3/4"        | 1" Special Threads     | 2.1              |
| ▶ F1101-34-NL  | 3/4"        | 3/4"       | 1"          | 1-1/4" Flare Copper    | 2.4              |
| ▶ F1101-4-NL   | 1"          | 1"         | 1"          | 1-1/4" Flare Copper    | 3.3              |
| * F1101-4-Q-NL | 1"          | 1"         | 1"          | 1-1/4" Special Threads | 3.4              |

Grip Joint for PEP (3/4" and 1") is available. Add "-G" to the catalog number.

## FB1101 Ballcorp - Male Iron Pipe Thread Inlet by Pack Joint Outlet for PE Pipe



FB1101-4-NL

| CATALOG NUMBER   | DESCRIPTION |            |             | BODY OUTLET THREADS    | APPROX. WT. LBS. |
|------------------|-------------|------------|-------------|------------------------|------------------|
|                  | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                        |                  |
| ▶ FB1101-3-NL    | 3/4"        | 3/4"       | 3/4"        | 1" Flare Copper        | 1.9              |
| * FB1101-3-Q-NL  | 3/4"        | 3/4"       | 3/4"        | 1" Special Threads     | 2.1              |
| ▶ FB1101-4-NL    | 1"          | 1"         | 1"          | 1-1/4" Flare Copper    | 3.3              |
| * FB1101-4-Q-NL  | 1"          | 1"         | 1"          | 1-1/4" Special Threads | 3.4              |
| FB1101-5-NL      | 1-1/4"      | 1-1/4"     | 1-1/4"      | 1-1/2" Flare Copper    | 5.5              |
| FB1101-6-IDR7-NL | 1-1/2"      | 1-1/2"     | 1-1/2"      | 2" Flare Copper        | 8.3              |
| FB1101-7-IDR7-NL | 2"          | 2"         | 2"          | 2" Flare Copper        | 10.7             |

Grip Joint for PEP (3/4" and 1") is available. Add "-G" to the catalog number.

▶ **Ultra-Tite** is available, add "-U-ANWT" to the catalog number (MIP outlet threads), U2-ANWT (flare copper outlet threads). (Consists of corporation stop and Ultra-Tite coupling assembled hand-tight.) See page A-8.

\* 3/4" and 1" Quick Joint Corporation Stop outlet threads for PE pipe require a special threaded drilling machine adapter. See pages A-4 and A-5 for Drilling Machine Adapters.

**Note:** Ford recommends using insert stiffeners when using plastic pipe or tubing, except when using an Ultra-Tite compression fitting. See page A-6.

## Compression Types for Corporation Stops listed on page A-7 and A-8.



Pack Joint Nut



Grip Joint Nut (-G)



Quick Joint Nut (-Q)



Ultra-Tite Coupling assembled hand tight (-U-ANWT)

# Ford Corporation Stops and Ford Ballcorp Corporation Stops

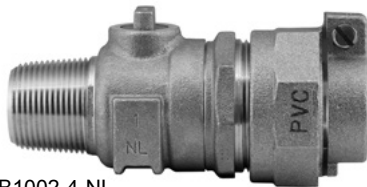
With Pack Joint for PVC Pipe



F1002-4-NL

## F1002 - AWWA/CC Taper Thread Inlet by Pack Joint Outlet for PVC Pipe

| CATALOG NUMBER | DESCRIPTION |            |             | BODY OUTLET THREADS | APPROX. WT. LBS. |
|----------------|-------------|------------|-------------|---------------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                     |                  |
| F1002-3-NL     | 3/4"        | 3/4"       | 3/4"        | 1" Flare Copper     | 1.8              |
| F1002-34-NL    | 3/4"        | 3/4"       | 1"          | 1-1/4" Flare Copper | 2.4              |
| F1002-4-NL     | 1"          | 1"         | 1"          | 1-1/4" Flare Copper | 3.3              |



FB1002-4-NL

## FB1002 Ballcorp - AWWA/CC Taper Thread Inlet by Pack Joint Outlet for PVC Pipe

| CATALOG NUMBER | DESCRIPTION |            |             | BODY OUTLET THREADS | APPROX. WT. LBS. |
|----------------|-------------|------------|-------------|---------------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                     |                  |
| FB1002-3-NL    | 3/4"        | 3/4"       | 3/4"        | 1" Flare Copper     | 2.1              |
| FB1002-4-NL    | 1"          | 1"         | 1"          | 1-1/4" Flare Copper | 3.3              |
| FB1002-5-NL    | 1-1/4"      | 1-1/4"     | 1-1/4"      | 1-1/2" Flare Copper | 5.5              |
| FB1002-6-NL    | 1-1/2"      | 1-1/2"     | 1-1/2"      | 1-1/2" Flare Copper | 6.9              |
| FB1002-7-NL    | 2"          | 2"         | 2"          | 2" Flare Copper     | 12.4             |



F1102-4-NL

## F1102 - Male Iron Pipe Thread Inlet by Pack Joint Outlet for PVC Pipe

| CATALOG NUMBER | DESCRIPTION |            |             | BODY OUTLET THREADS | APPROX. WT. LBS. |
|----------------|-------------|------------|-------------|---------------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                     |                  |
| F1102-3-NL     | 3/4"        | 3/4"       | 3/4"        | 1" Flare Copper     | 1.8              |
| F1102-34-NL    | 3/4"        | 3/4"       | 1"          | 1-1/4" Flare Copper | 2.4              |
| F1102-4-NL     | 1"          | 1"         | 1"          | 1-1/4" Flare Copper | 3.3              |



FB1102-4-NL

## FB1102 Ballcorp - Male Iron Pipe Thread Inlet by Pack Joint Outlet for PVC Pipe

| CATALOG NUMBER | DESCRIPTION |            |             | BODY OUTLET THREADS | APPROX. WT. LBS. |
|----------------|-------------|------------|-------------|---------------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                     |                  |
| FB1102-3-NL    | 3/4"        | 3/4"       | 3/4"        | 1" Flare Copper     | 2.1              |
| FB1102-4-NL    | 1"          | 1"         | 1"          | 1-1/4" Flare Copper | 3.3              |
| FB1102-5-NL    | 1-1/4"      | 1-1/4"     | 1-1/4"      | 1-1/2" Flare Copper | 5.5              |
| FB1102-6-NL    | 1-1/2"      | 1-1/2"     | 1-1/2"      | 1-1/2" Flare Copper | 6.7              |
| FB1102-7-NL    | 2"          | 2"         | 2"          | 2" Flare Copper     | 11.6             |

Ford Pack Joints for PVC are recommended for use only with Schedule 40 and Schedule 80 PVC.

# Ford Corporation Stops and Ford Ballcorp Corporation Stops

For Flared Copper



F600-3-NL

## F600 - AWWA/CC Taper Thread Inlet by Flare Copper Outlet

| CATALOG NUMBER | DESCRIPTION |            |             | APPROX. WT. LBS. |
|----------------|-------------|------------|-------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                  |
| F600-1-NL      | 1/2"        | 1/2"       | 1/2"        | 0.8              |
| F600-2-NL      | 5/8"        | 5/8"       | 5/8"        | 1.3              |
| F600-23-NL     | 5/8"        | 5/8"       | 3/4"        | 1.4              |
| F600-3-NL      | 3/4"        | 3/4"       | 3/4"        | 1.6              |
| F600-34-NL     | 3/4"        | 3/4"       | 1"          | 1.9              |
| F600-4-NL      | 1"          | 1"         | 1"          | 2.8              |
| F600-45-NL     | 1"          | 1"         | 1-1/4"      | 3.2              |



FB600-4-NL

## FB600 Ballcorp - AWWA/CC Taper Thread Inlet by Flare Copper Outlet

| CATALOG NUMBER | DESCRIPTION |            |             | APPROX. WT. LBS. |
|----------------|-------------|------------|-------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                  |
| FB600-3-NL     | 3/4"        | 3/4"       | 3/4"        | 1.5              |
| FB600-34-NL    | 3/4"        | 3/4"       | 1"          | 1.9              |
| FB600-4-NL     | 1"          | 1"         | 1"          | 2.3              |
| FB600-5-NL     | 1-1/4"      | 1-1/4"     | 1-1/4"      | 4.7              |
| FB600-56-NL    | 1-1/4"      | 1-1/4"     | 1-1/2"      | 5.1              |
| FB600-6-NL     | 1-1/2"      | 1-1/2"     | 1-1/2"      | 7.0              |
| FB600-67-NL    | 1-1/2"      | 1-1/2"     | 2"          | 9.1              |
| FB600-7-NL     | 2"          | 2"         | 2"          | 12.1             |



F700-4-NL

## F700 - Male Iron Pipe Thread Inlet by Flare Copper Outlet

| CATALOG NUMBER | DESCRIPTION |            |             | APPROX. WT. LBS. |
|----------------|-------------|------------|-------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                  |
| F700-1-NL      | 1/2"        | 1/2"       | 1/2"        | 0.8              |
| F700-3-NL      | 3/4"        | 3/4"       | 3/4"        | 1.6              |
| F700-34-NL     | 3/4"        | 3/4"       | 1"          | 1.9              |
| F700-4-NL      | 1"          | 1"         | 1"          | 2.8              |
| F700-45-NL     | 1"          | 1"         | 1-1/4"      | 3.2              |



FB700-4-NL

## FB700 Ballcorp - Male Iron Pipe Thread Inlet by Flare Copper Outlet

| CATALOG NUMBER | DESCRIPTION |            |             | APPROX. WT. LBS. |
|----------------|-------------|------------|-------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                  |
| FB700-3-NL     | 3/4"        | 3/4"       | 3/4"        | 1.8              |
| FB700-34-NL    | 3/4"        | 3/4"       | 1"          | 2.1              |
| FB700-4-NL     | 1"          | 1"         | 1"          | 2.3              |
| FB700-5-NL     | 1-1/4"      | 1-1/4"     | 1-1/4"      | 4.7              |
| FB700-56-NL    | 1-1/4"      | 1-1/4"     | 1-1/2"      | 5.5              |
| FB700-6-NL     | 1-1/2"      | 1-1/2"     | 1-1/2"      | 6.8              |
| FB700-67-NL    | 1-1/2"      | 1-1/2"     | 2"          | 7.9              |
| FB700-7-NL     | 2"          | 2"         | 2"          | 11.2             |

Quarter and eighth bends for F600, FB600, F700 and FB700 corporation stops are listed on pages A-18 and A-19.

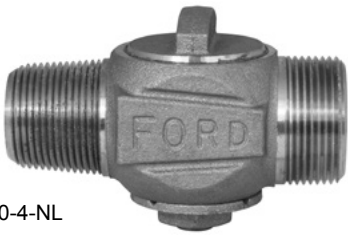
# Ford Corporation Stops and Ford Ballcorp Corporation Stops

With Increased MIP Pipe Thread Outlet and Inside Driving Thread



FB900-4-NL

Photo at left shows internal driving threads.



F800-4-NL

### F800 - AWWA/CC Taper Thread Inlet by Increased MIP Thread Outlet with Inside Driving Thread

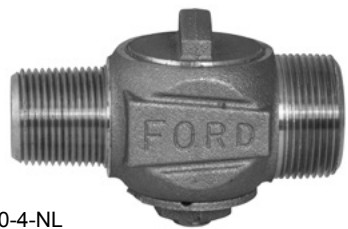
| CATALOG NUMBER | DESCRIPTION |            |             | APPROX. Wt. LBS. |
|----------------|-------------|------------|-------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                  |
| F800-1-NL      | 1/2"        | 1/2"       | 3/4"        | 0.6              |
| F800-2-NL      | 5/8"        | 5/8"       | 3/4"        | 1.1              |
| F800-3-NL      | 3/4"        | 3/4"       | 1"          | 1.3              |
| F800-4-NL      | 1"          | 1"         | 1-1/4"      | 2.3              |



FB800-4-NL

### FB800 Ballcorp - AWWA Taper Thread Inlet by Increased Male Iron Pipe Thread Outlet with Inside Driving Thread

| CATALOG NUMBER | DESCRIPTION |            |             | APPROX. Wt. LBS. |
|----------------|-------------|------------|-------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                  |
| FB800-3-NL     | 3/4"        | 3/4"       | 1"          | 1.3              |
| FB800-4-NL     | 1"          | 1"         | 1-1/4"      | 2.0              |
| FB800-5-NL     | 1-1/4"      | 1-1/4"     | 1-1/2"      | 3.9              |
| FB800-6-NL     | 1-1/2"      | 1-1/2"     | 2"          | 5.9              |
| FB800-7-NL     | 2"          | 2"         | 2-1/2"      | 9.6              |



F900-4-NL

### F900 - MIP Thread Inlet by Increased MIP Thread Outlet with Inside Driving Thread

| CATALOG NUMBER | DESCRIPTION |            |             | APPROX. Wt. LBS. |
|----------------|-------------|------------|-------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                  |
| F900-1-NL      | 1/2"        | 1/2"       | 3/4"        | 0.6              |
| F900-3-NL      | 3/4"        | 3/4"       | 1"          | 1.3              |
| F900-4-NL      | 1"          | 1"         | 1-1/4"      | 2.3              |



FB900-4-NL

### FB900 Ballcorp - Male Iron Pipe Thread Inlet by Increased Male Iron Pipe Thread Outlet with Inside Driving Thread

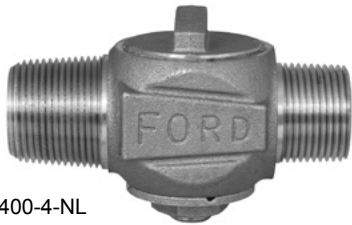
| CATALOG NUMBER | DESCRIPTION |            |             | APPROX. Wt. LBS. |
|----------------|-------------|------------|-------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                  |
| FB900-3-NL     | 3/4"        | 3/4"       | 1"          | 1.4              |
| FB900-4-NL     | 1"          | 1"         | 1-1/4"      | 2.0              |
| FB900-5-NL     | 1-1/4"      | 1-1/4"     | 1-1/2"      | 3.9              |
| FB900-6-NL     | 1-1/2"      | 1-1/2"     | 2"          | 5.7              |
| FB900-7-NL     | 2"          | 2"         | 2-1/2"      | 7.3              |

Quarter and eighth bends for F800, FB800, F900 and FB900 corporation stops are listed on page A-20.



# Ford Corporation Stops and Ford Ballcorp Corporation Stops

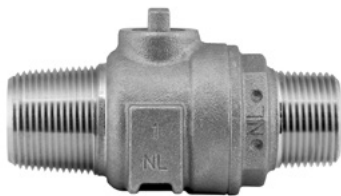
With Male Iron Pipe Outlet



F400-4-NL

## F400 - AWWA/CC Taper Thread Inlet by Male Iron Pipe Thread Outlet

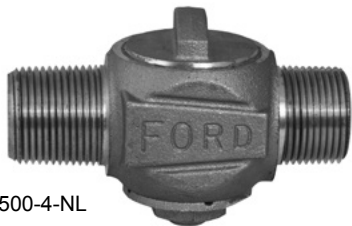
| CATALOG NUMBER | DESCRIPTION |            |             | APPROX. WT. LBS. |
|----------------|-------------|------------|-------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                  |
| F400-1-NL      | 1/2"        | 1/2"       | 1/2"        | 0.6              |
| F400-13-NL     | 1/2"        | 1/2"       | 3/4"        | 0.6              |
| F400-3-NL      | 3/4"        | 3/4"       | 3/4"        | 1.3              |
| F400-34-NL     | 3/4"        | 3/4"       | 1"          | 1.3              |
| F400-4-NL      | 1"          | 1"         | 1"          | 2.3              |



FB400-4-NL

## FB400 Ballcorp - AWWA/CC Taper Thread Inlet by Male Iron Pipe Thread Outlet

| CATALOG NUMBER | DESCRIPTION |            |             | APPROX. WT. LBS. |
|----------------|-------------|------------|-------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                  |
| FB400-3-NL     | 3/4"        | 3/4"       | 3/4"        | 1.2              |
| FB400-4-NL     | 1"          | 1"         | 1"          | 1.7              |
| FB400-5-NL     | 1-1/4"      | 1-1/4"     | 1-1/4"      | 3.9              |
| FB400-6-NL     | 1-1/2"      | 1-1/2"     | 1-1/2"      | 5.4              |
| FB400-7-NL     | 2"          | 2"         | 2"          | 8.6              |



F500-4-NL

## F500 - Male Iron Pipe Thread Both Ends

| CATALOG NUMBER | DESCRIPTION |            |             | APPROX. WT. LBS. |
|----------------|-------------|------------|-------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                  |
| F500-1-NL      | 1/2"        | 1/2"       | 1/2"        | 0.6              |
| F500-13-NL     | 1/2"        | 1/2"       | 3/4"        | 0.6              |
| F500-3-NL      | 3/4"        | 3/4"       | 3/4"        | 1.3              |
| F500-4-NL      | 1"          | 1"         | 1"          | 2.2              |



FB500-4-NL

## FB500 Ballcorp - Male Iron Pipe Thread Both Ends

| CATALOG NUMBER | DESCRIPTION |            |             | APPROX. WT. LBS. |
|----------------|-------------|------------|-------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                  |
| FB500-3-NL     | 3/4"        | 3/4"       | 3/4"        | 1.2              |
| FB500-4-NL     | 1"          | 1"         | 1"          | 1.7              |
| FB500-5-NL     | 1-1/4"      | 1-1/4"     | 1-1/4"      | 3.9              |
| FB500-6-NL     | 1-1/2"      | 1-1/2"     | 1-1/2"      | 5.3              |
| FB500-7-NL     | 2"          | 2"         | 2"          | 7.8              |

Quarter and eighth bends for F400, FB400, F500 and FB500 corporation stops are listed on page A-18 and in Catalog Section J.

# Ford Corporation Stops and Ford Ballcorp Corporation Stops

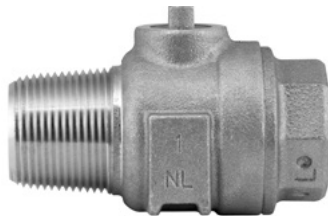
With Female Iron Pipe Outlet



F1600-4-NL

## F1600 - AWWA/CC Taper Thread Inlet by Female Iron Pipe Thread Outlet

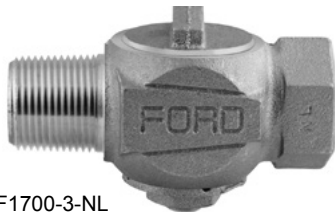
| CATALOG NUMBER | DESCRIPTION |            |             | APPROX. Wt. LBS. |
|----------------|-------------|------------|-------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                  |
| F1600-3-NL     | 3/4"        | 3/4"       | 3/4"        | 1.3              |
| F1600-4-NL     | 1"          | 1"         | 1"          | 2.3              |



FB1600-4-NL

## FB1600 Ballcorp - AWWA/CC Taper Thread Inlet by Female Iron Pipe Thread Outlet

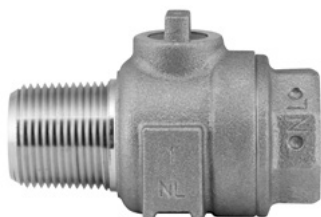
| CATALOG NUMBER | DESCRIPTION |            |             | APPROX. Wt. LBS. |
|----------------|-------------|------------|-------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                  |
| FB1600-3-NL    | 3/4"        | 3/4"       | 3/4"        | 1.4              |
| FB1600-34-NL   | 3/4"        | 3/4"       | 1"          | 1.3              |
| FB1600-4-NL    | 1"          | 1"         | 1"          | 1.8              |
| FB1600-45-NL   | 1"          | 1"         | 1-1/4"      | 2.5              |
| FB1600-5-NL    | 1-1/4"      | 1-1/4"     | 1-1/4"      | 3.7              |
| FB1600-56-NL   | 1-1/4"      | 1-1/4"     | 1-1/2"      | 4.0              |
| FB1600-6-NL    | 1-1/2"      | 1-1/2"     | 1-1/2"      | 5.2              |
| FB1600-67-NL   | 1-1/2"      | 1-1/2"     | 2"          | 5.6              |
| FB1600-7-NL    | 2"          | 2"         | 2"          | 8.3              |
| FB1600-78-NL   | 2"          | 2"         | 2-1/2"      | 8.7              |



F1700-3-NL

## F1700 - Male Iron Pipe Thread Inlet by Female Iron Pipe Thread Outlet

| CATALOG NUMBER | DESCRIPTION |            |             | APPROX. Wt. LBS. |
|----------------|-------------|------------|-------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                  |
| F1700-1-NL     | 1/2"        | 1/2"       | 1/2"        | 0.6              |
| F1700-3-NL     | 3/4"        | 3/4"       | 3/4"        | 1.3              |
| F1700-4-NL     | 1"          | 1"         | 1"          | 2.3              |



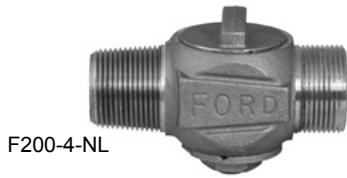
FB1700-4-NL

## FB1700 Ballcorp - Male Iron Pipe Thread Inlet by Female Iron Pipe Thread Outlet

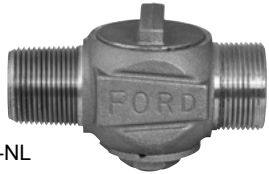
| CATALOG NUMBER | DESCRIPTION |            |             | APPROX. Wt. LBS. |
|----------------|-------------|------------|-------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                  |
| FB1700-3-NL    | 3/4"        | 3/4"       | 3/4"        | 1.1              |
| FB1700-4-NL    | 1"          | 1"         | 1"          | 1.8              |
| FB1700-45-NL   | 1"          | 1"         | 1-1/4"      | 2.5              |
| FB1700-5-NL    | 1-1/4"      | 1-1/4"     | 1-1/4"      | 3.7              |
| FB1700-56-NL   | 1-1/4"      | 1-1/4"     | 1-1/2"      | 3.9              |
| FB1700-6-NL    | 1-1/2"      | 1-1/2"     | 1-1/2"      | 5.1              |
| FB1700-67-NL   | 1-1/2"      | 1-1/2"     | 2"          | 5.5              |
| FB1700-7-NL    | 2"          | 2"         | 2"          | 7.5              |
| FB1700-78-NL   | 2"          | 2"         | 2-1/2"      | 7.8              |

# Ford Corporation Stops

With Male Coupling Thread Outlet



F200-4-NL



F300-4-NL



Photo above shows internal driving threads.

## F200 - AWWA/CC Taper Thread Inlet by Male Coupling Thread Outlet with Inside Driving Thread

| CATALOG NUMBER | DESCRIPTION |            |             | APPROX. WT. LBS. |
|----------------|-------------|------------|-------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                  |
| F200-3-NL      | 3/4"        | 3/4"       | 3/4"        | 1.3              |
| F200-4-NL      | 1"          | 1"         | 1"          | 2.3              |

## F300 - AWWA/CC Male Iron Pipe Thread Inlet by Male Coupling Thread Outlet with Inside Driving Thread

| CATALOG NUMBER | DESCRIPTION |            |             | APPROX. WT. LBS. |
|----------------|-------------|------------|-------------|------------------|
|                | VALVE SIZE  | INLET SIZE | OUTLET SIZE |                  |
| F300-3-NL      | 3/4"        | 3/4"       | 3/4"        | 1.3              |
| F300-4-NL      | 1"          | 1"         | 1"          | 2.3              |

**Note:** Adapters for F200 and F300 Corporation Stops are on the following page.

## Tee-Head Adapters

1-1/4", 1-1/2" and 2" Tee-Head adapters may be purchased separately or assembled at the factory. To purchase 1", 1-1/4", 1-1/2" and 2" Ballcorps with Tee-Head Adapters assembled at the factory, add "-TA" to the catalog number. Example: FB1000-7-TA-NL. No charge for factory assembly. To purchase Tee-Head Adapters separately, use the catalog numbers listed below.



Old Design



New Design



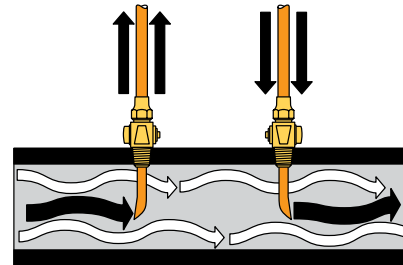
Tee-Head Adapter

## Tee-Head Adapters for 1-1/4", 1-1/2" and 2" Ballcorps

| CATALOG NUMBER | DESCRIPTION                                                           | APPROX. WT. LBS. |
|----------------|-----------------------------------------------------------------------|------------------|
| TAB-567        | Tee-Head Adapter for 1-1/4", 1-1/2" & 2" Ballcorps (new valve design) | 0.3              |
| TAB-6-OS       | Tee-Head Adapter for 1-1/4" & 1-1/2" Ballcorps (old valve design)     | 0.3              |
| TAB-7-OS       | Tee-Head Adapter for 2" Ballcorp (old valve design)                   | 0.3              |

## Pitorifice Key Corp Stops

For Tapping Mains in Extremely Cold Climates



In extremely cold conditions, Pitorifice Key Corps utilize mainline water flow to help prevent service line freezing. The Pitorifice copper tube opening on the corporation stop inlet, which faces upstream, continuously channels the warmer, faster moving mainline water through a service line loop. The loop channels water from the main, runs inside a basement (with a tee connection for the customer's plumbing) and returns to the main with another Pitorifice Corp copper tube opening that faces downstream.

The Pitorifice option is available on 3/4" and 1" Ford Key Style Corporation Stops. These are non-stock parts. Please call or write for prices and minimum order quantities. Standard lengths are for direct water main taps; longer lengths for saddles are available.

**To order:** Add "-P" to any 3/4" or 1" Corp Stop catalog number for Pitorifice option. **Example:** F1000-3-P-NL

## Corp Stop Wrench

The traditional pipe wrench (DO NOT USE) has teeth designed to engage the hard, round surfaces of iron / steel pipe. A pipe wrench can easily damage relatively soft waterworks brass products. The RCORP wrench has smooth jaws that fit evenly across the wrench flats on valves and fittings. Considering the potential ills associated with just one leaking valve or fitting, the cost of these recommended wrenches is a great value.



### Corp Stop Wrench

| CATALOG NUMBER | DESCRIPTION                                           | APPROX. WT. LBS. | LENGTH |
|----------------|-------------------------------------------------------|------------------|--------|
| RCORP          | Adjustable Smooth Jaw Wrench fits up to 2" corp stops | 4.4              | 18"    |

# Quarter Bends, Eighth Bends and Straight Couplings

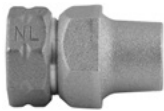
For F200 and F300 Corporation Stops (gaskets are included)



L102-33-NL



LA102-33-NL



C102-33-NL



L104-33S-NL



LA104-33-NL



C104-33-NL



L108-33S-NL

## Female Coupling Thread by Flare Copper for F200 and F300 Corporation Stops

| CATALOG NUMBER            | DESCRIPTION |             |           | APPROX. WT. LBS. |
|---------------------------|-------------|-------------|-----------|------------------|
|                           | INLET SIZE  | OUTLET SIZE | CORP SIZE |                  |
| <b>QUARTER BENDS</b>      |             |             |           |                  |
| L102-23-NL                | 5/8"        | 3/4"        | 5/8"      | 0.9              |
| L102-33-NL                | 3/4"        | 3/4"        | 3/4"      | 0.9              |
| * L102-33S-NL             | 3/4"        | 3/4"        | 3/4"      | 1.1              |
| L102-44-NL                | 1"          | 1"          | 1"        | 1.7              |
| * L102-44S-NL             | 1"          | 1"          | 1"        | 1.5              |
| <b>EIGHTH BENDS</b>       |             |             |           |                  |
| LA102-23-NL               | 5/8"        | 3/4"        | 5/8"      | 0.8              |
| LA102-33-NL               | 3/4"        | 3/4"        | 3/4"      | 0.8              |
| * LA102-33S-NL            | 3/4"        | 3/4"        | 3/4"      | 1.0              |
| LA102-44-NL               | 1"          | 1"          | 1"        | 1.4              |
| * LA102-44S-NL            | 1"          | 1"          | 1"        | 1.4              |
| <b>STRAIGHT COUPLINGS</b> |             |             |           |                  |
| C102-13-NL                | 1/2"        | 3/4"        | 1/2"      | 0.6              |
| C102-23-NL                | 5/8"        | 3/4"        | 5/8"      | 0.7              |
| C102-33-NL                | 3/4"        | 3/4"        | 3/4"      | 0.7              |
| C102-34-NL                | 3/4"        | 1"          | 3/4"      | 1.0              |
| C102-44-NL                | 1"          | 1"          | 1"        | 1.3              |

\* "S" in catalog number indicates swivel inlet.

## Female Coupling Thread by Pack Joint Outlet for Copper or Plastic Tubing (CTS) for F200 and F300 Corporation Stops

| CATALOG NUMBER            | DESCRIPTION |             |           | APPROX. WT. LBS. |
|---------------------------|-------------|-------------|-----------|------------------|
|                           | INLET SIZE  | OUTLET SIZE | CORP SIZE |                  |
| <b>QUARTER BENDS</b>      |             |             |           |                  |
| ▶♦ L104-33-NL             | 3/4"        | 3/4"        | 3/4"      | 0.9              |
| ▶*♦ L104-33S-NL           | 3/4"        | 3/4"        | 3/4"      | 1.1              |
| ▶♦ L104-44-NL             | 1"          | 1"          | 1"        | 1.5              |
| ▶* L104-44S-NL            | 1"          | 1"          | 1"        | 1.4              |
| <b>EIGHTH BENDS</b>       |             |             |           |                  |
| ▶ LA104-23-NL             | 5/8"        | 3/4"        | 5/8"      | 0.8              |
| ♦ * LA104-23S-NL          | 5/8"        | 3/4"        | 5/8"      | 0.9              |
| ▶ LA104-33-NL             | 3/4"        | 3/4"        | 3/4"      | 0.8              |
| ▶ * LA104-33S-NL          | 3/4"        | 3/4"        | 3/4"      | 1.0              |
| ▶ LA104-44-NL             | 1"          | 1"          | 1"        | 1.3              |
| ▶ * LA104-44S-NL          | 1"          | 1"          | 1"        | 1.3              |
| <b>STRAIGHT COUPLINGS</b> |             |             |           |                  |
| ▶♦ C104-13-NL             | 1/2"        | 3/4"        | 1/2"      | 0.6              |
| ▶♦ C104-23-NL             | 5/8"        | 3/4"        | 5/8"      | 0.7              |
| ▶♦ C104-33-NL             | 3/4"        | 3/4"        | 3/4"      | 0.7              |
| C104-34-Q-NL              | 3/4"        | 1"          | 3/4"      | 0.9              |
| ▶♦ C104-44-NL             | 1"          | 1"          | 1"        | 1.1              |

\* "S" in catalog number indicates swivel inlet.

**Grip Joint** for CTS is available. Add "-G" to the catalog number.

♦ **Quick Joint** is available. Add "-Q" to the catalog number.

▶ **Ultra-Tite** compression is available. Add "-U2-AWT" to the end of the catalog number. (Consists of components assembled watertight.) For applications that require the Ultra-Tite coupling to be hand-tight only, add "-U2-ANWT" to the end of the catalog number.

**Note:** Ford recommends using insert stiffeners when using plastic pipe or tubing, except for Ultra-Tite compression fittings.

## Swivel Female Coupling Thread by Male Iron Pipe Thread for F200 and F300 Corporation Stops

| CATALOG NUMBER       | DESCRIPTION |             |           | APPROX. WT. LBS. |
|----------------------|-------------|-------------|-----------|------------------|
|                      | INLET SIZE  | OUTLET SIZE | CORP SIZE |                  |
| <b>QUARTER BENDS</b> |             |             |           |                  |
| * L108-33S-NL        | 3/4"        | 3/4"        | 3/4"      | 0.7              |
| * L108-44S-NL        | 1"          | 1"          | 1"        | 1.0              |

\* "S" in catalog number indicates swivel inlet.

# Quarter Bends and Eighth Bends

For F400, F500 and FB400, FB500 Corporation Stops



## Female Iron Pipe Thread by Flare Copper for F400, F500 and FB400, FB500 Corporation Stops

| CATALOG NUMBER                                          | DESCRIPTION |             | APPROX. Wt. LBS. |
|---------------------------------------------------------|-------------|-------------|------------------|
|                                                         | INLET SIZE  | OUTLET SIZE |                  |
| <b>QUARTER BENDS</b>                                    |             |             |                  |
| L21-33-NL                                               | 3/4"        | 3/4"        | 0.9              |
| L21-44-NL                                               | 1"          | 1"          | 1.9              |
| L21-66-NL                                               | 1-1/2"      | 1-1/2"      | 3.7              |
| L21-77-NL                                               | 2"          | 2"          | 6.3              |
| <b>EIGHTH BENDS</b>                                     |             |             |                  |
| LA21-33-NL                                              | 3/4"        | 3/4"        | 0.8              |
| LA21-44-NL                                              | 1"          | 1"          | 1.4              |
| <b>FEMALE IRON PIPE THREAD BY MALE IRON PIPE THREAD</b> |             |             |                  |
| LA81-44-NL                                              | 1"          | 1"          | 1.0              |

For F600, F700 and FB600, FB700 Corporation Stops  
(copper gaskets are included)



## Eighth Bends for F600, F700 and FB600, FB700 Corporation Stops

| CATALOG NUMBER                                                               | DESCRIPTION |             | APPROX. Wt. LBS. |
|------------------------------------------------------------------------------|-------------|-------------|------------------|
|                                                                              | INLET SIZE  | OUTLET SIZE |                  |
| <b>FEMALE COPPER THREAD BY FLARE COPPER</b>                                  |             |             |                  |
| LA02-33-NL                                                                   | 3/4"        | 3/4"        | 0.7              |
| LA02-44-NL                                                                   | 1"          | 1"          | 1.3              |
| LA02-66-NL                                                                   | 1-1/2"      | 1-1/2"      | 3.4              |
| LA02-77-NL                                                                   | 2"          | 2"          | 6.4              |
| <b>FEMALE COPPER THREAD BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)</b> |             |             |                  |
| ▶ LA04-33-NL                                                                 | 3/4"        | 3/4"        | 0.7              |
| ▶ LA04-44-NL                                                                 | 1"          | 1"          | 1.1              |
| ▶ LA04-66-NL                                                                 | 1-1/2"      | 1-1/2"      | 2.5              |
| ▶ LA04-77-NL                                                                 | 2"          | 2"          | 4.3              |
| <b>FEMALE COPPER THREAD BY PACK JOINT FOR PE PIPE</b>                        |             |             |                  |
| ▶ LA06-33-NL                                                                 | 3/4"        | 3/4"        | 0.9              |
| ▶ LA06-44-NL                                                                 | 1"          | 1"          | 1.6              |

Grip Joint for CTS (3/4" through 2") and PEP (3/4" and 1") is available. Add "-G" to the catalog number.

Note: Ford recommends using insert stiffeners when using plastic pipe or tubing, except for Ultra-Tite compression fittings. See page A-6.

## Swivel Eighth Bends for F600, F700 and FB600, FB700 Corporation Stops



| CATALOG NUMBER                                                                          | DESCRIPTION |             | APPROX. Wt. LBS. |
|-----------------------------------------------------------------------------------------|-------------|-------------|------------------|
|                                                                                         | INLET SIZE  | OUTLET SIZE |                  |
| <b>FEMALE COPPER THREAD SWIVEL NUT BY FLARE COPPER</b>                                  |             |             |                  |
| LA02-33S-NL                                                                             | 3/4"        | 3/4"        | 1.0              |
| LA02-44S-NL                                                                             | 1"          | 1"          | 1.5              |
| LA02-66S-NL                                                                             | 1-1/2"      | 1-1/2"      | 4.3              |
| LA02-77S-NL                                                                             | 2"          | 2"          | 7.7              |
| <b>FEMALE COPPER THREAD SWIVEL NUT BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)</b> |             |             |                  |
| ▶♦ LA04-33S-NL                                                                          | 3/4"        | 3/4"        | 1.0              |
| ▶ LA04-44S-NL                                                                           | 1"          | 1"          | 1.3              |
| ▶ LA04-66S-NL                                                                           | 1-1/2"      | 1-1/2"      | 4.0              |
| ▶ LA04-77S-NL                                                                           | 2"          | 2"          | 6.6              |

Grip Joint for CTS is available. Add "-G" to the catalog number.

♦ Quick Joint is available. Add "-Q" to the catalog number.

▶ Ultra-Tite compression is available. Add "-U-AWT" to the end of the catalog number. (Consists of components assembled watertight.) For applications that require the Ultra-Tite coupling to be hand-tight only, add "-U-ANWT" to the end of the catalog number.

Note: Ford recommends using insert stiffeners when using plastic pipe or tubing, except for Ultra-Tite compression fittings. See page A-6.



# Quarter Bends and Eighth Bends

For F600, F700 and FB600, FB700 Ballcorp Corporation Stops  
(copper gaskets are included)



LA04-33SI-Q-NL

## Swivel Eighth Bends With Integral Washer for F600, F700, FB600, FB700 Corporation Stops

| CATALOG NUMBER                                                                                                | DESCRIPTION |             | APPROX. WT. LBS. |
|---------------------------------------------------------------------------------------------------------------|-------------|-------------|------------------|
|                                                                                                               | INLET SIZE  | OUTLET SIZE |                  |
| <b>FEMALE COPPER THREAD SWIVEL NUT WITH INTEGRAL WASHER BY QUICK JOINT FOR COPPER OR PLASTIC TUBING (CTS)</b> |             |             |                  |
| LA04-33SI-Q-NL                                                                                                | 3/4"        | 3/4"        | 1.0              |
| LA04-44SI-Q-NL                                                                                                | 1"          | 1"          | 1.7              |



L04-33SI-Q-NL

## Swivel Quarter Bends With Integral Washer for F600, F700, FB600, FB700 Corporation Stops

| CATALOG NUMBER                                                                                                | DESCRIPTION |             | APPROX. WT. LBS. |
|---------------------------------------------------------------------------------------------------------------|-------------|-------------|------------------|
|                                                                                                               | INLET SIZE  | OUTLET SIZE |                  |
| <b>FEMALE COPPER THREAD SWIVEL NUT WITH INTEGRAL WASHER BY QUICK JOINT FOR COPPER OR PLASTIC TUBING (CTS)</b> |             |             |                  |
| L04-33SI-Q-NL                                                                                                 | 3/4"        | 3/4"        | 1.2              |
| L04-44SI-Q-NL                                                                                                 | 1"          | 1"          | 1.8              |



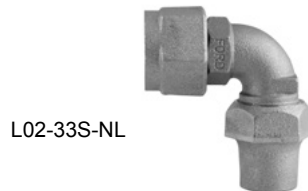
L02-33-NL

## Quarter Bends for F600, F700, FB600, FB700 Corporation Stops

| CATALOG NUMBER                                                               | DESCRIPTION |             | APPROX. WT. LBS. |
|------------------------------------------------------------------------------|-------------|-------------|------------------|
|                                                                              | INLET SIZE  | OUTLET SIZE |                  |
| <b>FEMALE COPPER THREAD BY FLARE COPPER</b>                                  |             |             |                  |
| L02-33-NL                                                                    | 3/4"        | 3/4"        | 0.9              |
| L02-44-NL                                                                    | 1"          | 1"          | 1.6              |
| L02-66-NL                                                                    | 1-1/2"      | 1-1/2"      | 3.5              |
| L02-77-NL                                                                    | 2"          | 2"          | 7.0              |
| <b>FEMALE COPPER THREAD BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)</b> |             |             |                  |
| ▶♦ L04-33-NL                                                                 | 3/4"        | 3/4"        | 0.9              |
| L04-34-NL                                                                    | 3/4"        | 1"          | 1.0              |
| ▶ L04-44-NL                                                                  | 1"          | 1"          | 1.4              |
| L04-66-NL                                                                    | 1-1/2"      | 1-1/2"      | 3.4              |
| L04-77-NL                                                                    | 2"          | 2"          | 6.5              |
| <b>FEMALE COPPER THREAD BY PACK JOINT FOR PE PIPE</b>                        |             |             |                  |
| ▶ L06-33-NL                                                                  | 3/4"        | 3/4"        | 0.9              |
| ▶ L06-44-NL                                                                  | 1"          | 1"          | 1.8              |

Grip Joint for CTS (3/4" through 2") and PEP (3/4" and 1") is available. Add "-G" to the catalog number.

## Swivel Quarter Bends for F600, F700, FB600, FB700 Corporation Stops



L02-33S-NL

| CATALOG NUMBER                                                                          | DESCRIPTION |             | APPROX. WT. LBS. |
|-----------------------------------------------------------------------------------------|-------------|-------------|------------------|
|                                                                                         | INLET SIZE  | OUTLET SIZE |                  |
| <b>FEMALE COPPER THREAD SWIVEL NUT BY FLARE COPPER</b>                                  |             |             |                  |
| L02-33S-NL                                                                              | 3/4"        | 3/4"        | 1.1              |
| L02-44S-NL                                                                              | 1"          | 1"          | 1.6              |
| L02-66S-NL                                                                              | 1-1/2"      | 1-1/2"      | 4.6              |
| L02-77S-NL                                                                              | 2"          | 2"          | 8.0              |
| <b>FEMALE COPPER THREAD SWIVEL NUT BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)</b> |             |             |                  |
| ▶♦ L04-33S-NL                                                                           | 3/4"        | 3/4"        | 1.1              |
| ▶♦ L04-44S-NL                                                                           | 1"          | 1"          | 1.5              |
| ♦ L04-66S-NL                                                                            | 1-1/2"      | 1-1/2"      | 4.2              |
| ♦ L04-77S-NL                                                                            | 2"          | 2"          | 6.2              |

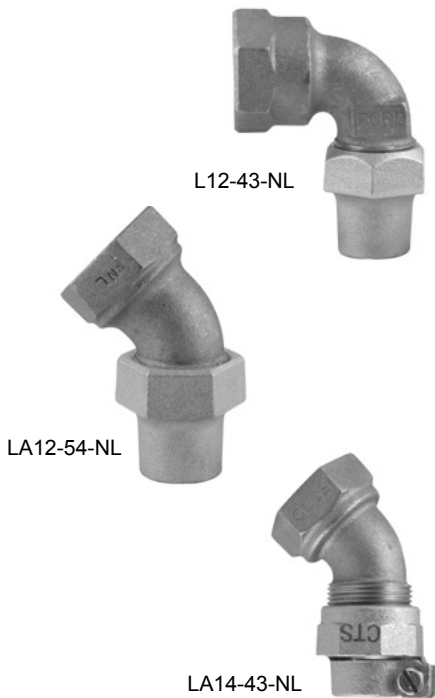
Grip Joint for CTS is available. Add "-G" to the catalog number.

- ♦ Quick Joint is available. Add "-Q" to the catalog number.
- ▶ Ultra-Tite compression is available. Add "-U2-AWT" to the end of the catalog number. (Consists of components assembled watertight.) For applications that require the Ultra-Tite coupling to be hand-tight only, add "-U2-ANWT" to the end of the catalog number.

**Note:** Ford recommends using insert stiffeners when using plastic pipe or tubing, except for Ultra-Tite compression fittings. See page A-6.

# Quarter Bends and Eighth Bends

For F800, F900 and FB800, FB900 Corporation Stops



## Quarter and Eighth Bends for F800, F900 and FB800, FB900 Corporation Stops

| CATALOG NUMBER                                                                     | DESCRIPTION    |             |           | APPROX. WT. LBS. |
|------------------------------------------------------------------------------------|----------------|-------------|-----------|------------------|
|                                                                                    | FIP INLET SIZE | OUTLET SIZE | CORP SIZE |                  |
| <b>QUARTER BENDS WITH FLARE COPPER OUTLET</b>                                      |                |             |           |                  |
| L12-43-NL                                                                          | 1"             | 3/4"        | 3/4"      | 1.0              |
| L12-54-NL                                                                          | 1-1/4"         | 1"          | 1"        | 1.7              |
| <b>QUARTER BENDS WITH FEMALE IRON PIPE THREAD SWIVEL BY MALE IRON PIPE THREADS</b> |                |             |           |                  |
| L18-87S-NL                                                                         | 2-1/2"         | 2"          | 2"        | 4.0              |
| <b>EIGHTH BENDS WITH FLARE COPPER OUTLET</b>                                       |                |             |           |                  |
| LA12-43-NL                                                                         | 1"             | 3/4"        | 3/4"      | 0.7              |
| LA12-54-NL                                                                         | 1-1/4"         | 1"          | 1"        | 1.3              |
| <b>EIGHTH BENDS WITH PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) OUTLET</b>      |                |             |           |                  |
| ▶ LA14-43-NL                                                                       | 1"             | 3/4"        | 3/4"      | 0.7              |
| ▶ LA14-54-NL                                                                       | 1-1/4"         | 1"          | 1"        | 1.1              |
| LA14-76-NL                                                                         | 2"             | 1-1/2"      | 1-1/2"    | 2.7              |
| LA14-87-NL                                                                         | 2-1/2"         | 2"          | 2"        | 5.3              |

Grip Joint for CTS is available. Add "-G" to the catalog number.

▶ Ultra-Tite compression is available. Add "-U-AWT" to the end of the catalog number. (Consists of components assembled watertight.) For applications that require the Ultra-Tite coupling to be hand-tight only, add "-U-ANWT" to the end of the catalog number.

**Note:** Ford recommends using insert stiffeners when using plastic pipe or tubing, except for Ultra-Tite compression fittings. See page A-6.

# Ford Tube Nuts and Copper Gaskets

## Copper Tube Nuts for Flared Copper Connections



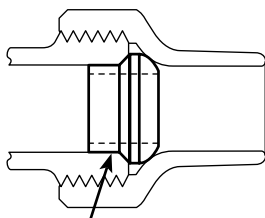
| CATALOG NUMBER | DESCRIPTION<br>COPPER SIZE | APPROX. WT. LBS. |
|----------------|----------------------------|------------------|
| CTN-1          | 1/2"                       | 0.2              |
| CTN-2          | 5/8"                       | 0.2              |
| CTN-3          | 3/4"                       | 0.3              |
| CTN-4          | 1"                         | 0.5              |
| CTN-5          | 1-1/4"                     | 0.7              |
| CTN-6          | 1-1/2"                     | 1.2              |
| CTN-7          | 2"                         | 2.2              |



## Copper Gaskets - to use with adapter replacing Flare Nut

| CATALOG NUMBER | DESCRIPTION<br>CONN. SIZE | APPROX. WT. LBS. |
|----------------|---------------------------|------------------|
| SLC-3          | 3/4"                      | 0.01             |
| SLC-4          | 1"                        | 0.02             |
| SLC-5          | 1-1/4"                    | 0.03             |
| SLC-6          | 1-1/2"                    | 0.04             |
| SLC-7          | 2"                        | 0.08             |

## Ring Adapter - Pack Joint to Flare (Converts CTS Pack Joint Socket to Flare Copper Nose) For Attaching Female Flare Adapter, Coupling and Ells



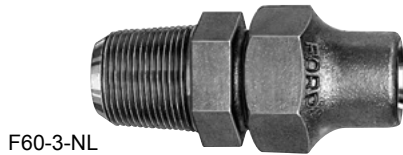
Ring Adapter

| CATALOG NUMBER | DESCRIPTION                                       |                 | APPROX. WT. LBS. | STD. PKG. QTY. |
|----------------|---------------------------------------------------|-----------------|------------------|----------------|
|                | FOR PJ SLEEVE SIZE & TYPE                         | FLARE NOSE SIZE |                  |                |
| RA42-33-NL     | 3/4" CTS Pack Joint Corporation Stop and Coupling | 3/4"            | 0.1              | 165            |
| RA42-44-NL     | 1" CTS Pack Joint Corporation Stop Only           | 1"              | 0.1              | 95             |

## Ring Adapter - Quick Joint to Flare (Converts CTS Quick Joint Socket to Flare Copper Nose) For Attaching Integral (Non-Swivel) Type Female Flare Adapter, Coupling and Ells

| CATALOG NUMBER | DESCRIPTION                                        |                 | APPROX. WT. LBS. | STD. PKG. QTY. |
|----------------|----------------------------------------------------|-----------------|------------------|----------------|
|                | FOR QJ SLEEVE SIZE & TYPE                          | FLARE NOSE SIZE |                  |                |
| RA42-33-Q-NL   | 3/4" CTS Quick Joint Corporation Stop and Coupling | 3/4"            | 0.1              | 120            |
| RA42-44-Q-NL   | 1" CTS Quick Joint Corporation Stop and Coupling   | 1"              | 0.1              | 100            |

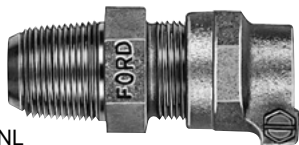
# Replacement Piece for Corporation Stops and Ford Ballcorp Corporation Stops



F60-3-NL

## AWWA/CC Taper Thread Inlet by Flare Copper Outlet - replaces F600 or FB600

| CATALOG NUMBER | DESCRIPTION |             | APPROX. WT. LBS. |
|----------------|-------------|-------------|------------------|
|                | INLET SIZE  | OUTLET SIZE |                  |
| F60-1-NL       | 1/2"        | 1/2"        | 0.3              |
| F60-3-NL       | 3/4"        | 3/4"        | 0.7              |
| F60-4-NL       | 1"          | 1"          | 1.2              |
| F60-6-NL       | 1-1/2"      | 1-1/2"      | 3.2              |
| F60-7-NL       | 2"          | 2"          | 5.4              |



F60-4-3-NL

## AWWA/CC Taper Thread Inlet by Pack Joint Outlet for Copper or Plastic Tubing (CTS) - replaces F1000 or FB1000

| CATALOG NUMBER | DESCRIPTION |             | APPROX. WT. LBS. |
|----------------|-------------|-------------|------------------|
|                | INLET SIZE  | OUTLET SIZE |                  |
| ▶ F60-4-3-NL   | 3/4"        | 3/4"        | 0.7              |
| ▶ F60-4-4-NL   | 1"          | 1"          | 1.1              |

Grip Joint for CTS is available. Add "-G" to the catalog number.



F60-6-3-AWT-NL

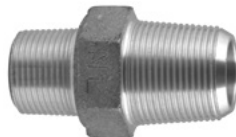
## AWWA/CC Taper Thread Inlet by Pack Joint Outlet for Polyethylene Pipe (PE) - replaces F1001 or FB1001

| CATALOG NUMBER     | DESCRIPTION |             | APPROX. WT. LBS. |
|--------------------|-------------|-------------|------------------|
|                    | INLET SIZE  | OUTLET SIZE |                  |
| * ▶ F60-6-3-AWT-NL | 3/4"        | 3/4"        | 1.2              |
| * ▶ F60-6-4-AWT-NL | 1"          | 1"          | 1.3              |

Grip Joint for PEP (3/4" and 1") is available. Add "-G" to the catalog number.

\* Product consists of two adapter pieces assembled watertight.

▶ Ultra-Tite compression is available. Add "-U-AWT" to the end of the catalog number. (Consists of components assembled watertight.) For applications that require the Ultra-Tite coupling to be hand-tight only, add "-U-ANWT" to the end of the catalog number.



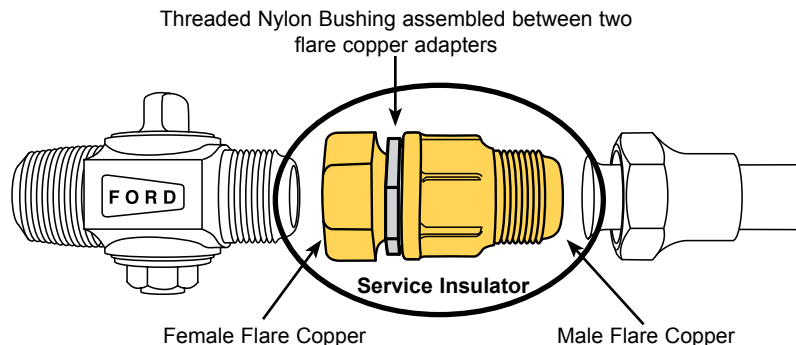
F40-3-NL

## AWWA/CC Taper Thread Inlet by Male Iron Pipe Thread Outlet - replaces F400 or FB400

| CATALOG NUMBER | DESCRIPTION |             | APPROX. WT. LBS. |
|----------------|-------------|-------------|------------------|
|                | INLET SIZE  | OUTLET SIZE |                  |
| F40-1-NL       | 1/2"        | 1/2"        | 0.3              |
| F40-3-NL       | 3/4"        | 3/4"        | 0.5              |
| F40-4-NL       | 1"          | 1"          | 0.6              |
| F40-6-NL       | 1-1/2"      | 1-1/2"      | 1.4              |
| F40-7-NL       | 2"          | 2"          | 2.5              |

# Service Insulators

For Protection Against Service Line Electrolysis



## Service Insulators

| CATALOG NUMBER | DESCRIPTION | APPROX. WT. LBS. |
|----------------|-------------|------------------|
| SI-3-NL        | 3/4"        | 0.9              |
| SI-4-NL        | 1"          | 1.3              |
| SI-6-NL        | 1-1/2"      | 3.8              |
| SI-7-NL        | 2"          | 6.7              |

Note: Various service line connection types are available.

# Brass Corp Stop Plugs

CSP-3-A-NL



CSP-3-I-NL



CSP-3-IT-NL



## AWWA Taper Thread by Square Wrench Head

| CATALOG NUMBER | DESCRIPTION |                    | APPROX. WT. LBS. |
|----------------|-------------|--------------------|------------------|
|                | THREAD SIZE | APPLICATION        |                  |
| CSP-1-A-NL     | 1/2"        | Square Wrench Head | 0.1              |
| CSP-2-A-NL     | 5/8"        | Square Wrench Head | 0.1              |
| CSP-3-A-NL     | 3/4"        | Square Wrench Head | 0.2              |
| CSP-4-A-NL     | 1"          | Square Wrench Head | 0.4              |
| CSP-6-A-NL     | 1-1/2"      | Square Wrench Head | 0.7              |
| CSP-7-A-NL     | 2"          | Square Wrench Head | 0.9              |

## Male Iron Pipe Thread by Square Wrench Head

| CATALOG NUMBER | DESCRIPTION |                    | APPROX. WT. LBS. |
|----------------|-------------|--------------------|------------------|
|                | THREAD SIZE | APPLICATION        |                  |
| CSP-3-I-NL     | 3/4"        | Square Wrench Head | 0.2              |
| CSP-4-I-NL     | 1"          | Square Wrench Head | 0.4              |
| CSP-6-I-NL     | 1-1/2"      | Square Wrench Head | 0.4              |
| CSP-7-I-NL     | 2"          | Square Wrench Head | 0.6              |

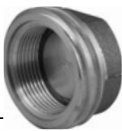
## AWWA Taper Thread by Internal Driving Thread

| CATALOG NUMBER | DESCRIPTION |                       | APPROX. WT. LBS. |
|----------------|-------------|-----------------------|------------------|
|                | THREAD SIZE | APPLICATION           |                  |
| CSP-3-IT-NL    | 3/4"        | Internal Driving Thrd | 0.3              |
| CSP-4-IT-NL    | 1"          | Internal Driving Thrd | 0.7              |

# Screw Plug Adapters and Washers

(for 3/4" and 1" - F1000, F1100, FB1000 and FB1100)

SP-3-NL



WSP-3-NL



Ford Screw Plug Adapters are specifically designed to protect corp stop outlets during insertion. Washers help prevent outlet damage caused by some non-Ford screw plug adapters.

## Screw Plug Adapters and Washers

| CATALOG NUMBER | DESCRIPTION                                                            |
|----------------|------------------------------------------------------------------------|
| ◆ SP-3-NL      | Screw plug adapter for 3/4" CTS P.J./G.J. Corp Stop                    |
| ◆ SP-4-NL      | Screw plug adapter for 1" CTS P.J./G.J. Corp Stop                      |
| ◆ WSP-3-NL     | Washer for Mueller screw plug adapter for 3/4" CTS P.J./G.J. Corp Stop |
| ◆ WSP-4-NL     | Washer for Mueller screw plug adapter for 1" CTS P.J./G.J. Corp Stop   |

◆ For washers and adapters used on Quick Joint applications, add "-Q" to the catalog number. Example: SP-3-Q-NL

# Brass End Caps

Ford Brass End Caps protect external and internal corporation stop components.



CAP-2-6-NL

| CATALOG NUMBER | VALVE SIZE | TYPE OF CORPORATION STOPS/COUPLINGS                          | APPROX. WT. LBS. |
|----------------|------------|--------------------------------------------------------------|------------------|
| CAP-24-3-NL    | 3/4"       | Flare Copper & CTS Compression Corps                         | 0.3              |
| CAP-2-4-NL     | 1"         | Flare Copper & CTS Compression Corps                         | 0.5              |
| CAP-4-4-NL     | 1"         | CTS Pack Joint or CTS Grip Joint Couplings                   | 0.6              |
| CAP-2-5-NL     | 1-1/4"     | Flare Copper & CTS Compression Corps (excluding Quick Joint) | 0.7              |
| CAP-4-5-Q-NL   | 1-1/4"     | CTS Quick Joint Corps                                        | 0.8              |
| CAP-4-5-NL     | 1-1/4"     | CTS Pack Joint or CTS Grip Joint Couplings                   | 0.9              |
| CAP-2-6-NL     | 1-1/2"     | Flare Copper & CTS Compression Corps (excluding Quick Joint) | 1.0              |
| CAP-4-6-Q-NL   | 1-1/2"     | CTS Quick Joint Corps                                        | 1.0              |
| CAP-2-7-NL     | 2"         | Flare Copper & CTS Compression Corps (excluding Quick Joint) | 1.6              |
| CAP-4-7-Q-NL   | 2"         | CTS Quick Joint Corps                                        | 1.7              |

# Brass Bushings for Corporation Stop Inlets

## Brass Bushings for Corporation Stop Inlets

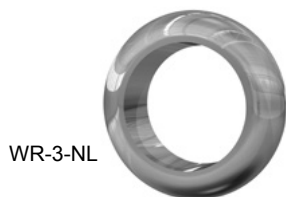


BBAA-43-NL

| CATALOG NUMBER | DESCRIPTION                   |                                 | APPROX. WT. LBS. |
|----------------|-------------------------------|---------------------------------|------------------|
|                | OUTSIDE THREAD SIZE AND TYPE  | INSIDE THREAD SIZE AND TYPE     |                  |
| BBAA-31-NL     | 3/4" Male AWWA Taper Thread   | 1/2" Female AWWA Taper Thread   | 0.3              |
| BBAA-43-NL     | 1" Male AWWA Taper Thread     | 3/4" Female AWWA Taper Thread   | 0.4              |
| BBAA-53-NL     | 1-1/4" Male AWWA Taper Thread | 3/4" Female AWWA Taper Thread   | 1.1              |
| BBAA-63-NL     | 1-1/2" Male AWWA Taper Thread | 3/4" Female AWWA Taper Thread   | 1.2              |
| BBAA-64-NL     | 1-1/2" Male AWWA Taper Thread | 1" Female AWWA Taper Thread     | 1.2              |
| BBAA-73-NL     | 2" Male AWWA Taper Thread     | 3/4" Female AWWA Taper Thread   | 2.2              |
| BBAA-74-NL     | 2" Male AWWA Taper Thread     | 1" Female AWWA Taper Thread     | 1.8              |
| BBAA-75-NL     | 2" Male AWWA Taper Thread     | 1-1/4" Female AWWA Taper Thread | 1.8              |
| BBAA-76-NL     | 2" Male AWWA Taper Thread     | 1-1/2" Female AWWA Taper Thread | 1.8              |
| BBAI-31-NL     | 3/4" Male AWWA Taper Thread   | 1/2" Female Iron Pipe Thread    | 0.3              |
| BBAI-43-NL     | 1" Male AWWA Taper Thread     | 3/4" Female Iron Pipe Thread    | 0.4              |
| BBAI-65-NL     | 1-1/2" Male AWWA Taper Thread | 1-1/4" Female Iron Pipe Thread  | 1.2              |
| BBAI-75-NL     | 2" Male AWWA Taper Thread     | 1-1/4" Female Iron Pipe Thread  | 1.8              |
| BBAI-76-NL     | 2" Male AWWA Taper Thread     | 1-1/2" Female Iron Pipe Thread  | 1.8              |
| BBIA-43-NL     | 1" Male Iron Pipe Thread      | 3/4" Female AWWA Taper Thread   | 0.4              |
| BBIA-53-NL     | 1-1/4" Male Iron Pipe Thread  | 3/4" Female AWWA Taper Thread   | 0.4              |
| BBIA-54-NL     | 1-1/4" Male Iron Pipe Thread  | 1" Female AWWA Taper Thread     | 0.4              |
| BBIA-63-NL     | 1-1/2" Male Iron Pipe Thread  | 3/4" Female AWWA Taper Thread   | 0.9              |
| BBIA-64-NL     | 1-1/2" Male Iron Pipe Thread  | 1" Female AWWA Taper Thread     | 1.2              |
| BBIA-73-NL     | 2" Male Iron Pipe Thread      | 3/4" Female AWWA Taper Thread   | 0.7              |
| BBIA-74-NL     | 2" Male Iron Pipe Thread      | 1" Female AWWA Taper Thread     | 1.1              |
| BBIA-75-NL     | 2" Male Iron Pipe Thread      | 1-1/4" Female AWWA Taper Thread | 1.1              |
| BBIA-76-NL     | 2" Male Iron Pipe Thread      | 1-1/2" Female AWWA Taper Thread | 1.1              |

## Wedding Ring

Wedding Ring Converts Pack and Grip Joint Socket Bevel of a Corporation Stop to a Male Flare Nose for Connecting Flare Copper Tube Nut or a Female Flare Fitting

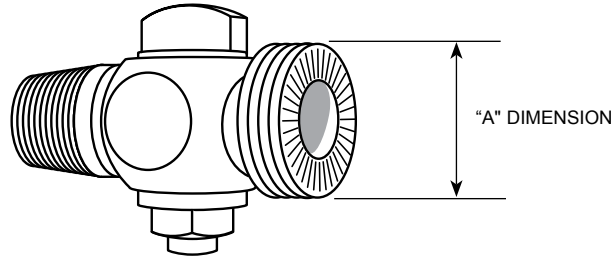


WR-3-NL

| WEDDING RINGS  |        |                  |
|----------------|--------|------------------|
| CATALOG NUMBER | SIZE   | APPROX. WT. LBS. |
| WR-3-NL        | 3/4"   | 0.1              |
| WR-4-NL        | 1"     | 0.1              |
| WR-5-NL        | 1-1/4" | 0.1              |
| WR-6-NL        | 1-1/2" | 1.4              |
| WR-7-NL        | 2"     | 2.2              |



# Ford Conversion Connections for Lead Service Corporation Stops



When ordering conversion connections for flanged lead Corporation Stops, check the outlet size to ensure a correct fit. The size of this connection may vary slightly depending upon the manufacturer. The approximate size of the outlet is shown in the tables below and on page A-25 as the "A" dimension.

**For Flanged Lead Corporation Stops**  
*(these connections replace flanged lead gooseneck connections - gaskets are included)*



LSFC-3-NL

### Female Flanged Lead Thread Inlet by Female Iron Pipe Outlet

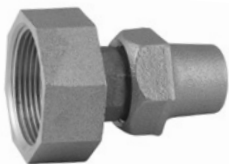
| CATALOG NUMBER | DESCRIPTION     |             | APPROX. "A" DIM. | APPROX. WT. LBS. |
|----------------|-----------------|-------------|------------------|------------------|
|                | INLET SIZE/TYPE | OUTLET SIZE |                  |                  |
| LFC1-13-NL     | 1/2" XS         | 3/4"        | 1-7/16"          | 0.6              |
| * LFC2-23-NL   | 5/8" XS         | 3/4"        | 1-5/8"           | 0.5              |
| * LFC3-33-NL   | 3/4" XS         | 3/4"        | 1-7/8"           | 0.7              |
| * LFC4-43-NL   | 1" XS           | 1"          | 2-1/8"           | 0.9              |



LFC4-23-NL

### Female Flanged Lead Thread Inlet by Pack Joint for Copper or Plastic Tubing (CTS) Outlet

| CATALOG NUMBER | DESCRIPTION     |             | APPROX. "A" DIM. | APPROX. WT. LBS. |
|----------------|-----------------|-------------|------------------|------------------|
|                | INLET SIZE/TYPE | OUTLET SIZE |                  |                  |
| ▶ LFC4-13-NL   | 1/2" XS         | 3/4"        | 1-7/16"          | 0.9              |
| ▶ LFC4-23-NL   | 5/8" XS         | 3/4"        | 1-5/8"           | 0.9              |
| ▶* LFC4-33-NL  | 3/4" XS         | 3/4"        | 1-7/8"           | 1.2              |
| LFC4-34-Q-NL   | 3/4" XS         | 1"          | 1-7/8"           | 1.3              |



LFC2-23-NL

### Female Flanged Lead Thread Inlet by Flare Copper Outlet

| CATALOG NUMBER | DESCRIPTION     |             | APPROX. "A" DIM. | APPROX. WT. LBS. |
|----------------|-----------------|-------------|------------------|------------------|
|                | INLET SIZE/TYPE | OUTLET SIZE |                  |                  |
| LFC2-13-NL     | 1/2" XS         | 3/4"        | 1-7/16"          | 0.9              |
| LFC2-23-NL     | 5/8" XS         | 3/4"        | 1-5/8"           | 0.9              |
| * LFC2-33-NL   | 3/4" XS         | 3/4"        | 1-7/8"           | 1.2              |
| LFC2-44-NL     | 1" XS           | 1"          | 2-1/8"           | 1.4              |

\* "S" in catalog number indicates swivel coupling.

▶ Ultra-Tite compression is available. Add "-U-AWT" to the end of the catalog number. (Consists of components assembled watertight.) For applications that require the Ultra-Tite coupling to be hand-tight only, add "-U-ANWT" to the end of the catalog number.

# Ford Conversion Connections for Lead Service Corporation Stops

For 1/2" through 1" Wiped Lead Joint Corporation Stops (The couplings below also fit Ford F200 & F300 Corporation Stops - gaskets are included)

Note: See previous page for description of "A" dimension.



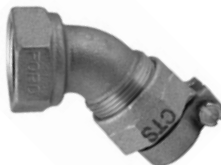
L102-33-NL



C102-33-NL



L104-33S-NL



LA104-33-NL



C104-33-NL



L108-33S-NL

## Female Coupling Thread Inlet by Flare Copper Outlet

| CATALOG NUMBER            | DESCRIPTION |             |           | APPROX. "A" DIM. | APPROX. WT. LBS. |
|---------------------------|-------------|-------------|-----------|------------------|------------------|
|                           | INLET SIZE  | OUTLET SIZE | CORP SIZE |                  |                  |
| <b>QUARTER BENDS</b>      |             |             |           |                  |                  |
| L102-23-NL                | 5/8"        | 3/4"        | 5/8"      | 1-1/8"           | 0.9              |
| L102-33-NL                | 3/4"        | 3/4"        | 3/4"      | 1-1/4"           | 0.9              |
| * L102-33S-NL             | 3/4"        | 3/4"        | 3/4"      | 1-1/4"           | 1.1              |
| L102-44-NL                | 1"          | 1"          | 1"        | 1-1/2"           | 1.7              |
| * L102-44S-NL             | 1"          | 1"          | 1"        | 1-1/2"           | 1.5              |
| <b>EIGHTH BENDS</b>       |             |             |           |                  |                  |
| LA102-23-NL               | 5/8"        | 3/4"        | 5/8"      | 1-1/8"           | 0.8              |
| LA102-33-NL               | 3/4"        | 3/4"        | 3/4"      | 1-1/4"           | 0.8              |
| * LA102-33S-NL            | 3/4"        | 3/4"        | 3/4"      | 1-1/4"           | 1.0              |
| LA102-44-NL               | 1"          | 1"          | 1"        | 1-1/2"           | 1.4              |
| * LA102-44S-NL            | 1"          | 1"          | 1"        | 1-1/2"           | 1.4              |
| <b>STRAIGHT COUPLINGS</b> |             |             |           |                  |                  |
| C102-13-NL                | 1/2"        | 3/4"        | 1/2"      | 1"               | 0.6              |
| C102-23-NL                | 5/8"        | 3/4"        | 5/8"      | 1-1/8"           | 0.7              |
| C102-33-NL                | 3/4"        | 3/4"        | 3/4"      | 1-1/4"           | 0.7              |
| C102-34-NL                | 3/4"        | 1"          | 3/4"      | 1-1/4"           | 1.0              |
| C102-44-NL                | 1"          | 1"          | 1"        | 1-1/2"           | 1.3              |

\* "S" in catalog number indicates swivel inlet.

## Female Coupling Thread Inlet by Pack Joint for Copper or Plastic Tubing (CTS) Outlet

| CATALOG NUMBER            | DESCRIPTION |             |           | APPROX. "A" DIM. | APPROX. WT. LBS. |
|---------------------------|-------------|-------------|-----------|------------------|------------------|
|                           | INLET SIZE  | OUTLET SIZE | CORP SIZE |                  |                  |
| <b>QUARTER BENDS</b>      |             |             |           |                  |                  |
| ▶♦ L104-33-NL             | 3/4"        | 3/4"        | 3/4"      | 1-1/4"           | 0.9              |
| ▶♦ * L104-33S-NL          | 3/4"        | 3/4"        | 3/4"      | 1-1/4"           | 1.1              |
| ▶♦ L104-44-NL             | 1"          | 1"          | 1"        | 1-1/2"           | 1.5              |
| ▶ * L104-44S-NL           | 1"          | 1"          | 1"        | 1-1/2"           | 1.4              |
| <b>EIGHTH BENDS</b>       |             |             |           |                  |                  |
| ▶ LA104-23-NL             | 5/8"        | 3/4"        | 5/8"      | 1-1/8"           | 0.8              |
| ♦ * LA104-23S-NL          | 5/8"        | 3/4"        | 5/8"      | 1-1/8"           | 0.9              |
| ▶ LA104-33-NL             | 3/4"        | 3/4"        | 3/4"      | 1-1/4"           | 0.8              |
| ▶ * LA104-33S-NL          | 3/4"        | 3/4"        | 3/4"      | 1-1/4"           | 1.0              |
| ▶ LA104-44-NL             | 1"          | 1"          | 1"        | 1-1/2"           | 1.3              |
| ▶ * LA104-44S-NL          | 1"          | 1"          | 1"        | 1-1/2"           | 1.3              |
| <b>STRAIGHT COUPLINGS</b> |             |             |           |                  |                  |
| ▶♦ C104-13-NL             | 1/2"        | 3/4"        | 1/2"      | 1"               | 0.6              |
| ▶♦ C104-23-NL             | 5/8"        | 3/4"        | 5/8"      | 1-1/8"           | 0.7              |
| ▶♦ C104-33-NL             | 3/4"        | 3/4"        | 3/4"      | 1-1/4"           | 0.7              |
| ▶♦ C104-34-Q-NL           | 3/4"        | 1"          | 3/4"      | 1-1/4"           | 1.2              |
| ▶♦ C104-44-NL             | 1"          | 1"          | 1"        | 1-1/2"           | 1.1              |

Grip Joint for CTS is available. Add "-G" to the catalog number.

♦ Quick Joint is available. Add "-Q" to the catalog number.

\* "S" in catalog number indicates swivel inlet.

▶ Ultra-Tite compression is available. Add "-U2-AWT" to the end of the catalog number. (Consists of components assembled watertight.) For applications that require the Ultra-Tite coupling to be hand-tight only, add "-U2-ANWT" to the end of the catalog number.

## Female Swivel Coupling Thread by Male Iron Pipe Thread

| CATALOG NUMBER       | DESCRIPTION |             |           | APPROX. WT. LBS. |
|----------------------|-------------|-------------|-----------|------------------|
|                      | INLET SIZE  | OUTLET SIZE | CORP SIZE |                  |
| <b>QUARTER BENDS</b> |             |             |           |                  |
| * L108-33S-NL        | 3/4"        | 3/4"        | 3/4"      | 0.7              |
| * L108-44S-NL        | 1"          | 1"          | 1"        | 1.0              |

\* "S" in catalog number indicates swivel coupling.





# Section **A**

# Ford Ballcorps and Corporation Stops

## Warranty

All merchandise is warranted to be free from defects in material and factory workmanship for one year from date of shipment from our factory. We will provide, free of charge, new products in equal quantities for any that prove defective within one year from date of shipment from our factory. Manufacturer shall not be liable for any loss, damage, or injury, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for user's intended use and user assumes all risk and liability whatever in connection therewith. No claims for labor or consequential damage will be allowed. The foregoing may not be changed except by agreement signed by an officer of the manufacturer.

No other warranties are applicable or may be implied, including the implied warranty of merchantability and the implied warranty of fitness for particular purpose and any warranty relating to infringement or the like, all of which are disclaimed.

**Parties responsible for monitoring and maintaining proper water system design must exercise full responsibility in understanding and upholding the full intent and scope of applicable lead laws.**

### **Please Note:**

Consult The Ford Meter Box Company, Inc. website ([www.fordmeterbox.com](http://www.fordmeterbox.com)) for the most recent catalog information. The Ford Meter Box Company considers the information in this catalog to be correct at the time of publication. Items and option availability, including specifications, are subject to change without notice. Please verify that your product information is current.



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