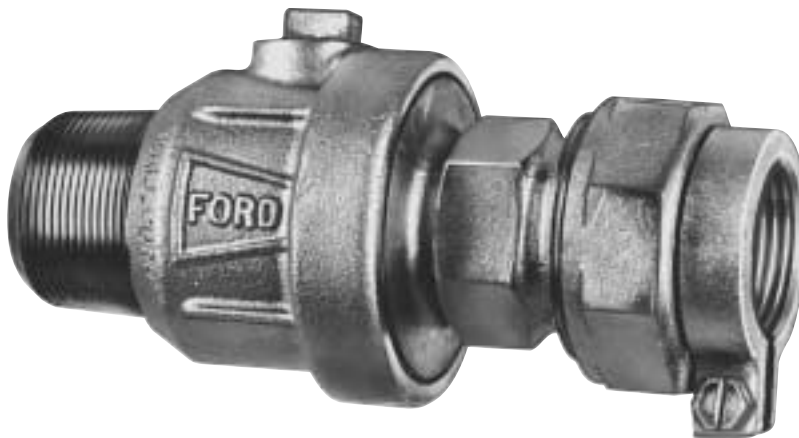


# Section A

3/2002

# Ford Ballcorps and Corporation Stops



**The Ford Meter Box Co., Inc.** 775 Manchester Avenue, P.O. Box 443, Wabash, Indiana, USA 46992-0443  
Telephone: 260/563-3171 FAX: 1-800-826-3487 Overseas FAX: 260/563-0167 <http://www.fordmeterbox.com>

# Contents

## Page

### Information

Ford Corporation Stop Design .....	3
Specifications .....	4
Insert Stiffeners .....	4
Dimensions Comparison Table for Plastic and Copper .....	4
Drilling Machine Adapters .....	5
Ford Compression Couplings .....	6 & 7
Code Marks for Compression Coupling Nuts .....	7
Types of Plastic Pipe & Tubing .....	7

### Ford Corporation Stops and Ballcorp Corporation Stops

F1000 and FB1000 Ballcorp - AWWA Inlet by Pack Joint for Copper or Plastic Tube Outlet .....	8
F1100 and FB1100 Ballcorp - MIP Inlet by Pack Joint for Copper or Plastic Tube Outlet .....	8
F1001 and FB1001 Ballcorp - AWWA Inlet by Pack Joint for PEP, PBP Outlet .....	9
F1101 and FB1101 Ballcorp - MIP Inlet by Pack Joint for PEP, PBP Outlet .....	9
F1002 and FB1002 Ballcorp - AWWA Inlet by Pack Joint for PVC Outlet .....	10
F1102 and FB1102 Ballcorp - MIP Inlet by Pack Joint for PVC Outlet .....	10
F600 and FB600 Ballcorp - AWWA Inlet by Flared Copper Outlet .....	11
F700 and FB700 Ballcorp - MIP Inlet by Flared Copper Outlet .....	11
F800 and FB800 Ballcorp - AWWA Inlet by increased size MIP with inside Driving Thread Outlet .....	12
F900 and FB900 Ballcorp - MIP Inlet by increased size MIP with inside Driving Thread Outlet .....	12
F400 and FB400 Ballcorp - AWWA Inlet by MIP Outlet .....	13
F500 and FB500 Ballcorp - MIP Inlet by MIP Outlet .....	13
F1600 and FB1600 Ballcorp - AWWA Inlet by FIP Outlet .....	14
F1700 and FB1700 Ballcorp - MIP Inlet by FIP Outlet .....	14
F200 – AWWA Inlet by External Coupling Thread with inside Driving Thread Outlet .....	15
F300 – MIP Inlet by External Coupling Thread with inside Driving Thread Outlet .....	15
Tee Head Adapters for 1-1/4", 1-1/2" and 2" Ballcorps™ .....	15
Ford Pitorifice Key Corporation Stops .....	15

### Ford Quarter Bends, Eighth Bends and Straight Adapters

Coupling Adapters for F200 and F300 Corporation Stops .....	16
Coupling Adapters for F400, F500 and FB400, FB500 Ballcorp Corporation Stops .....	17
Coupling Adapters for F600, F700 and FB600, FB700 Ballcorp Corporation Stops .....	17 & 18
Coupling Adapters for F800, F900 and FB800, FB900 Ballcorp Corporation Stops .....	19
Copper Tube Nuts .....	19
Copper Gaskets for Flare Copper Connections .....	19

### Corporation Stop Replacement Pieces .....

20

### Service Insulators .....

20

### Brass Corp Stop Plugs .....

21

### Washer for Screw Plug Adapters for CTS Pack Joint Outlet Corporation Stops .....

21

### Brass Bushings for Corporation Stop Inlets .....

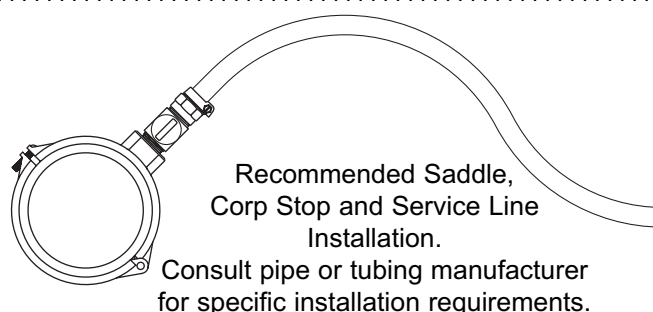
21

### Ford Conversion Connections for Wiped Lead and Flanged Lead Service Corporation Stops .....

22 & 23

### Warranty .....

24



# 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 Stop 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 injuring 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 Revolutionary 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 in 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 flat on the valve body at the Ford logo assures 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.*

#### TYPE OF CORPORATION STOP

**F** = Key/Plug Corporation Stop  
**FB** = Ford Ballcorp Corporation Stop

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"

**F 1 0 0 0 - 3 - G**

#### 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

#### OPTIONS

- G** = Grip Joint (3/4"-2" CTS and 3/4" & 1" PEP)
- Q** = Quick Joint (for indicated items)
- TA** = Tee Head Adapter for 1-1/4", 1-1/2" and 2" Ballcorp.
- IDR7** = Pack Joint for 1-1/2" and 2" PEP requires dimension ratio designation

### Ford Corporation Stop Numbering System

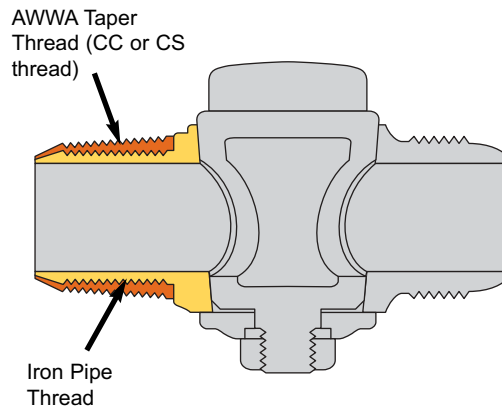
Note: See item listings in catalog section to assure that desired sizes and options are available

# Specifications

Ford Corporation Stops are designed and manufactured to conform with AWWA Standard C800. This specification covers thread dimensions, the metal alloy (red brass: 85-5-5-5), 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 applying to type of inlet threads desired.

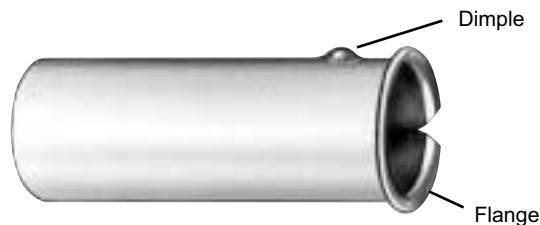


## Outlet Connections

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 7; Series 600 and 700 conform to Table 3. Internal driving threads in the 200, 300, 800, and 900 series conform to Table 8.

Plug type and Ford Ballcorp Corporation Stops are available with outlet Pack Joints, Grip Joints and Quick Joints - see pages 6 and 7 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.

**Ford recommends using insert stiffeners when using plastic pipe or tubing.**

### 50 Series For Polyethylene Tubing (PET)

Catalog Number	Nominal Size	PET ID	Approx. Wt. Lbs.*	Std. Pkg. Qty.
Insert-51	3/4"	.681	4.8	200
Insert-52	1"	.875	4.2	100
** Insert-53	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"	.824	4.4	100
** Insert-72	1"	1.049	2.9	50
Insert-73	1-1/4"	1.380	5.8	60
Insert-74	1-1/2"	1.610	5.5	45
Insert-75	2"	2.067	9.7	50
◆ Insert-72-Q	1"	1.049	2.9	50

\* Weights for Insert Stiffeners are for standard package quantities.

\*\* Insert-53 and Insert-72 fit both 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 OR TUBING TYPE	SDR	PSI	CONTROL	OD						ID					
				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	.625	.875	1.125	1.375	1.625	2.125	—	—	—	—	—
PET	PE3408	9	200	OD	.625	.875	1.125	1.375	1.625	2.125	—	.681	.875	1.069	1.263
PEP	PE3408	11.5	125	ID	—	—	—	—	1.978	2.537	—	—	—	—	—
PVC	—	—	—	OD	.840	1.050	1.315	1.660	1.900	2.375	—	—	—	—	—
Galv IP	—	—	—	OD	.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.

# Drilling Machine Adapters

## Table of 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 Drilling Machine Adapters

SIZE	FORD CORPORATION NUMBER	OUTLET THREADS	MUELLER		ROMAC	RIDGID	FORD
			E-4 & E-5	D-4 & D-5	TAPMATE TOO	MLT3401	MODEL 77
1/2"	F1000	1/2" Fl. copper	63796	-	-	-	DMA2-1
5/8" X 3/4"	F1000	3/4" Fl. Copper	52019	37902	351-05-506	92097	DMA2-3
3/4"	F (or FB) 1000, 1100						
3/4"	F (or FB) 1001, 1101, 1002, 1102	1" Fl. Copper	36750	37903	351-05-508	92102	DMA2-4
3/4" x 1"	F (or FB) 1000, 1100						
1"	F (or FB) 1000, 1100	1-1/4" Fl. Copper	45385	37904	351-05-510	92107	DMA2-5
3/4" x 1"	F1001, 1101, 1002, 1102						
1"	F (or FB) 1001, 1101, 1002, 1102						
1" x 1-1/4"	F (or FB) 1000, 1100						
1-1/4"	FB1000, 1100	1-1/2" Fl. Copper	501947	37905	351-05-512	92112	DMA2-6
	FB1001, 1101, 1002, 1102						
1-1/4" x 1-1/2"	FB1000, 1100	2" Fl. Copper	508201	37906	351-05-516	92117	DMA2-7
1-1/2"	FB1000, 1100, 1002, 1102						
	FB1001, 1101						
1-1/2" x 2"	FB1000, 1100						
2"	FB1000, 1100						
	FB1001, 1101, 1002, 1102						
SPECIAL ADAPTERS							
3/4"	F (or FB) 1001-3-Q, 1101-3-Q	Special Thread	508919	508917	-	-	DMA6-3-Q
1"	F (or FB) 1001-4-Q, 1101-4-Q		508920	508918	-	-	DMA6-4-Q
1-1/2"	FB1000-6-Q, 1100-6-Q		501949	507644	351-05-712	92157	DMA4-6-Q
2"	FB1000-7-Q, 1100-7-Q		508199	507645	351-05-716	92162	DMA4-7-Q

## Recommended Tapping/Inserting Machine Adapters

Size	Ford Corporation Number	Outlet Threads	Mueller			Ridgid
			B-100 & B-101	B	A-2 & A-3	MLT3401
5/8" X 3/4"	F1000	3/4" Fl. Copper	680600	680600	680600	92182
3/4"	F (or FB) 1000, 1100					
3/4"	F (or FB) 1001, 1101, 1002, 1102	1" Fl. Copper	680601	680601	680601	92187
3/4" x 1"	F (or FB) 1000, 1100					
1"	F (or FB) 1000, 1100	1-1/4" Fl. Copper	680602	-	680602	-
3/4" x 1"	F1001, 1101, 1002, 1102					
1"	F (or FB) 1001, 1101, 1002, 1102					
1" x 1-1/4"	F (or FB) 1000, 1100					
1-1/4"	FB1000, 1100	1-1/2" Fl. Copper	-	-	88640	-
1-1/4" x 1-1/2"	FB1001, 1101, 1002, 1102					
1-1/2"	FB1000, 1100, 1002, 1102	2" Fl. Copper	-	-	88641	-
1-1/2" x 2"	FB1001, 1101					
2"	FB1000, 1100					
	FB1001, 1101, 1002, 1102					
Special Adapters						
3/4"	F (or FB) 1001-3-Q, 1101-3-Q	Special Thread	680688	-	-	-
1"	F (or FB) 1001-4-Q, 1101-4-Q		680689	-	680689	-
1-1/2"	FB1000-6-Q, 1100-6-Q		-	-	680421	-
2"	FB1000-7-Q, 1100-7-Q		-	-	680422	-

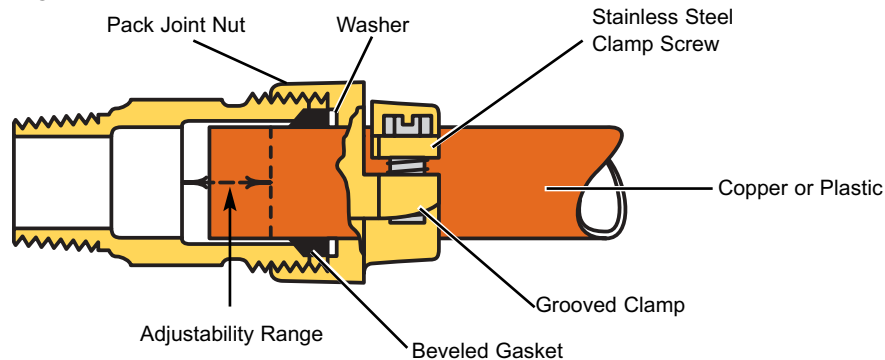
**WARNING:** Some tapping machine adapters, furnished by the tapping machine manufacturers, are not threaded all the way to the bottom of the adapter. This can cause problems when installing Ford Pack Joint and Grip Joint style Corporation Stops. If your adapter is not threaded to the bottom a free washer for your screw plug adapter is available. See page 21.

# Ford Pack Joint Couplings

## Pack Joint Connections - How the Pack Joint Works

1. Tightening the large Pack Joint Nut compresses a Buna-N beveled gasket to make it water-tight around the pipe or tubing.
2. For copper or plastic tubing and pipe there is a locking device, a split clamp, 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.

### FOR COPPER, PET, PEP OR PVC



Consult pipe or tubing manufacturer for specific installation requirements.

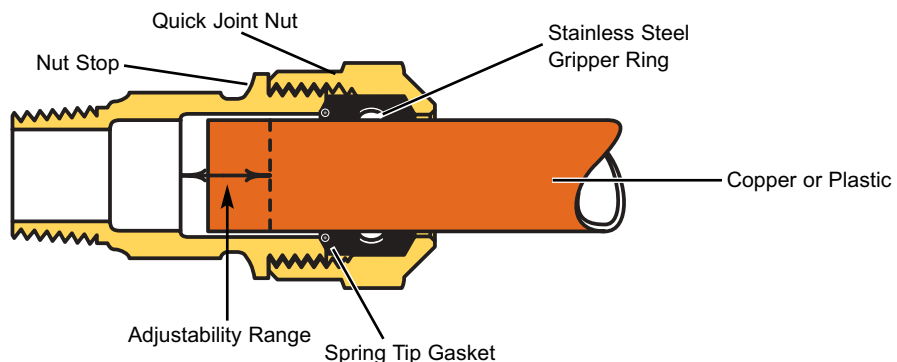
# Ford Quick Joint Couplings

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 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.

## The Ford Quick Joint Connections - 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.

The Ford Quick Joint is designed and manufactured for copper or for copper tube size SDR 9 Polyethylene plastic with a solid tubular metal insert.



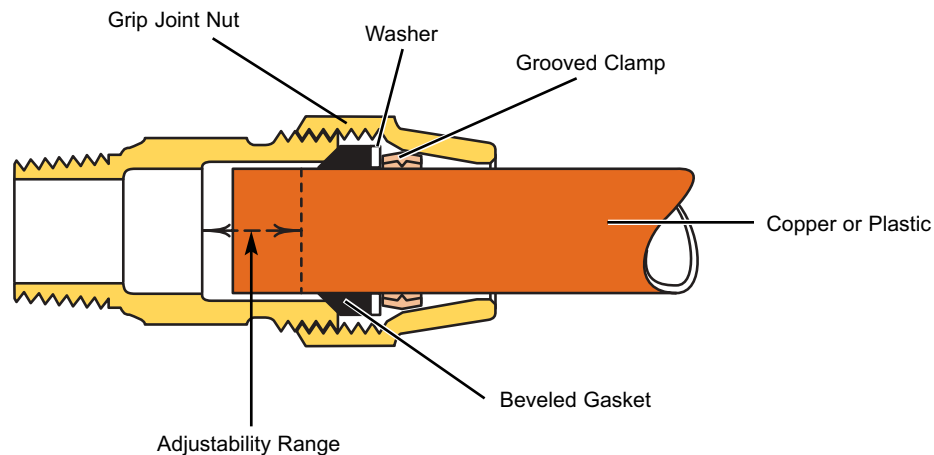
Consult pipe or tubing manufacturer for specific installation requirements.

# Ford Grip Joint Couplings

## Grip Joint Connections - How the Grip Joint Works

1. Tightening the Grip Joint Nut compresses a Buna-N beveled gasket to make it water-tight 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 to be used only with copper or PET and 3/4" and 1" PEP.

### ONE STEP COUPLING



Consult pipe or tubing manufacturer for specific installation requirements.

## Code Marks for Ford Coupling Nuts



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

## Types of Pipe and Tubing – Explanation of Abbreviations

**Copper Tube** - CTS - 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."

**Plastic Tubing** - CTS - Flexible water service 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.

PET – Polyethylene tubing.

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

PEP – Polyethylene pipe.

**PVC Pipe** - PVC - Polyvinyl Chloride rigid plastic pipe. PVC Pipe refers to polyvinyl chloride 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.**



# 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)



CATALOG NUMBER	DESCRIPTION			BODY OUTLET THREADS	APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE			
◆ F1000-1	1/2"	1/2"	1/2"	1/2" Flare Copper	.9	15
F1000-2	5/8"	5/8"	5/8"	5/8" Flare Copper	1.4	12
F1000-23	5/8"	5/8"	3/4"	3/4" Flare Copper	1.4	12
◆ F1000-3	3/4"	3/4"	3/4"	3/4" Flare Copper	1.7	10
F1000-34	3/4"	3/4"	1"	1" Flare Copper	1.9	10
◆ F1000-4	1"	1"	1"	1" Flare Copper	2.7	6
F1000-45	1"	1"	1-1/4"	1-1/4" Flare Copper	3.2	5

*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)



CATALOG NUMBER	DESCRIPTION			BODY OUTLET THREADS	APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE			
◆ FB1000-3	3/4"	3/4"	3/4"	3/4" Flare Copper	1.8	10
FB1000-34	3/4"	3/4"	1"	1" Flare Copper	2.1	-
◆ FB1000-4	1"	1"	1"	1" Flare Copper	2.6	6
FB1000-45	1"	1"	1-1/4"	1-1/4" Flare Copper	3.4	1
◆ FB1000-5	1-1/4"	1-1/4"	1-1/4"	1-1/4" Flare Copper	4.9	-
FB1000-56	1-1/4"	1-1/4"	1-1/2"	1-1/2" Flare Copper	5.7	-
FB1000-6	1-1/2"	1-1/2"	1-1/2"	1-1/2" Flare Copper	6.9	1
FB1000-6-Q	1-1/2"	1-1/2"	1-1/2"	1-1/2" Special Thread	6.2	1
FB1000-67	1-1/2"	1-1/2"	2"	2" Flare Copper	8.5	1
FB1000-7	2"	2"	2"	2" Flare Copper	11.1	1
FB1000-7-Q	2"	2"	2"	2" Special Thread	9.6	1
FB1000-78	2"	2"	2-1/2"	2-1/2" Flare Copper	10.9	1

*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)



CATALOG NUMBER	DESCRIPTION			BODY OUTLET THREADS	APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE			
F1100-1	1/2"	1/2"	1/2"	1/2" Flare Copper	.8	18
◆ F1100-3	3/4"	3/4"	3/4"	3/4" Flare Copper	1.6	10
F1100-34	3/4"	3/4"	1"	1" Flare Copper	1.9	5
◆ F1100-4	1"	1"	1"	1" Flare Copper	2.6	6
F1100-45	1"	1"	1-1/4"	1-1/4" Flare Copper	3.1	4

*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)



CATALOG NUMBER	DESCRIPTION			BODY OUTLET THREADS	APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE			
◆ FB1100-3	3/4"	3/4"	3/4"	3/4" Flare Copper	1.8	10
FB1100-34	3/4"	3/4"	1"	1" Flare Copper	2.0	-
◆ FB1100-4	1"	1"	1"	1" Flare Copper	2.6	6
FB1100-45	1"	1"	1-1/4"	1-1/4" Flare Copper	3.3	1
◆ FB1100-5	1-1/4"	1-1/4"	1-1/4"	1-1/4" Flare Copper	4.9	-
FB1100-56	1-1/4"	1-1/4"	1-1/2"	1-1/2" Flare Copper	5.6	-
FB1100-6	1-1/2"	1-1/2"	1-1/2"	1-1/2" Flare Copper	6.8	1
FB1100-6-Q	1-1/2"	1-1/2"	1-1/2"	1-1/2" Special Thread	6.0	1
FB1100-67	1-1/2"	1-1/2"	2"	2" Flare Copper	8.4	1
FB1100-7	2"	2"	2"	2" Flare Copper	10.6	1
FB1100-7-Q	2"	2"	2"	2" Special Thread	9.4	1
FB1100-78	2"	2"	2-1/2"	2-1/2" Flare Copper	10.7	1

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

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



# Ford Corporation Stops and Ford Ballcorp Corporation Stops

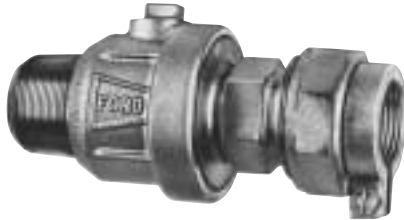
With Pack Joint for PE Pipe



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

CATALOG NUMBER	DESCRIPTION			BODY OUTLET THREADS	APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE			
◆ F1001-3	3/4"	3/4"	3/4"	1" Flare Copper	2.0	10
F1001-34	3/4"	3/4"	1"	1-1/4" Flare Copper	2.5	5
◆ F1001-4	1"	1"	1"	1-1/4" Flare Copper	3.4	6

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



**FB1001 Ballcorp - AWWA/CC Taper Thread Inlet by Pack Joint Outlet for PE Pipe**

CATALOG NUMBER	DESCRIPTION			BODY OUTLET THREADS	APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE			
◆ FB1001-3	3/4"	3/4"	3/4"	1" Flare Copper	2.2	1
◆ FB1001-4	1"	1"	1"	1-1/4" Flare Copper	3.4	5
FB1001-5	1-1/4"	1-1/4"	1-1/4"	1-1/2" Flare Copper	5.6	-
FB1001-6-IDR7	1-1/2"	1-1/2"	1-1/2"	2" Flare Copper	8.7	1
FB1001-7-IDR7	2"	2"	2"	2" Flare Copper	11.3	1

*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**

CATALOG NUMBER	DESCRIPTION			BODY OUTLET THREADS	APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE			
◆ F1101-3	3/4"	3/4"	3/4"	1" Flare Copper	1.9	5
F1101-34	3/4"	3/4"	1"	1-1/4" Flare Copper	2.4	5
◆ F1101-4	1"	1"	1"	1-1/4" Flare Copper	3.3	5

*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**

CATALOG NUMBER	DESCRIPTION			BODY OUTLET THREADS	APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE			
◆ FB1101-3	3/4"	3/4"	3/4"	1" Flare Copper	2.0	6
◆ FB1101-4	1"	1"	1"	1-1/4" Flare Copper	3.2	4
FB1101-5	1-1/4"	1-1/4"	1-1/4"	1-1/2" Flare Copper	5.3	-
FB1101-6-IDR7	1-1/2"	1-1/2"	1-1/2"	2" Flare Copper	7.0	1
FB1101-7-IDR7	2"	2"	2"	2" Flare Copper	11.0	1

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

◆ *Quick Joint* is available. Add "-Q" to this Catalog Number.

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

With Pack Joint for PVC Pipe



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

CATALOG NUMBER	DESCRIPTION			BODY OUTLET THREADS	APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE			
F1002-3	3/4"	3/4"	3/4"	1" Flare Copper	2.0	10
F1002-34	3/4"	3/4"	1"	1-1/4" Flare Copper	2.5	5
F1002-4	1"	1"	1"	1-1/4" Flare Copper	3.4	5



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

CATALOG NUMBER	DESCRIPTION			BODY OUTLET THREADS	APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE			
FB1002-3	3/4"	3/4"	3/4"	1" Flare Copper	2.2	6
FB1002-4	1"	1"	1"	1-1/4" Flare Copper	3.5	5
FB1002-5	1-1/4"	1-1/4"	1-1/4"	1-1/2" Flare Copper	5.6	-
FB1002-6	1-1/2"	1-1/2"	1-1/2"	1-1/2" Flare Copper	7.1	1
FB1002-7	2"	2"	2"	2" Flare Copper	11.9	1



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

CATALOG NUMBER	DESCRIPTION			BODY OUTLET THREADS	APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE			
F1102-3	3/4"	3/4"	3/4"	1" Flare Copper	1.9	5
F1102-34	3/4"	3/4"	1"	1-1/4" Flare Copper	2.5	4
F1102-4	1"	1"	1"	1-1/4" Flare Copper	3.3	6



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

CATALOG NUMBER	DESCRIPTION			BODY OUTLET THREADS	APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE			
FB1102-3	3/4"	3/4"	3/4"	1" Flare Copper	2.1	6
FB1102-4	1"	1"	1"	1-1/4" Flare Copper	3.4	4
FB1102-5	1-1/4"	1-1/4"	1-1/4"	1-1/2" Flare Copper	5.5	-
FB1102-6	1-1/2"	1-1/2"	1-1/2"	1-1/2" Flare Copper	6.9	1
FB1102-7	2"	2"	2"	2" Flare Copper	11.6	1

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 Flare Copper



**F600 - AWWA/CC Taper Thread Inlet by Flared Copper Outlet**

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
F600-1	1/2"	1/2"	1/2"	.8	25
F600-2	5/8"	5/8"	5/8"	1.3	5
F600-23	5/8"	5/8"	3/4"	1.5	12
F600-3	3/4"	3/4"	3/4"	1.8	10
F600-34	3/4"	3/4"	1"	2.0	5
F600-4	1"	1"	1"	2.9	6
F600-45	1"	1"	1-1/4"	3.5	6



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

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
FB600-3	3/4"	3/4"	3/4"	1.8	10
FB600-34	3/4"	3/4"	1"	2.3	10
FB600-4	1"	1"	1"	2.8	6
FB600-5	1-1/4"	1-1/4"	1-1/4"	5.0	2
FB600-56	1-1/4"	1-1/4"	1-1/2"	5.6	-
FB600-6	1-1/2"	1-1/2"	1-1/2"	7.1	1
FB600-67	1-1/2"	1-1/2"	2"	9.4	1
FB600-7	2"	2"	2"	11.8	1



**F700 - Male Iron Pipe Thread Inlet by Flared Copper Outlet**

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
F700-1	1/2"	1/2"	1/2"	.8	20
F700-3	3/4"	3/4"	3/4"	1.7	10
F700-34	3/4"	3/4"	1"	2.0	4
F700-4	1"	1"	1"	2.8	6
F700-45	1"	1"	1-1/4"	3.4	3



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

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
FB700-3	3/4"	3/4"	3/4"	1.9	8
FB700-34	3/4"	3/4"	1"	2.1	-
FB700-4	1"	1"	1"	2.7	6
FB700-5	1-1/4"	1-1/4"	1-1/4"	5.1	2
FB700-56	1-1/4"	1-1/4"	1-1/2"	5.5	-
FB700-6	1-1/2"	1-1/2"	1-1/2"	7.0	1
FB700-67	1-1/2"	1-1/2"	2"	9.7	1
FB700-7	2"	2"	2"	11.2	1

Quarter and Eighth Bends for F600, FB600, F700 and FB700 Corporation Stops are listed on pages 17 and 18.

# Ford Corporation Stops and Ford Ballcorp Corporation Stops

With Increased MIP Pipe Thread Outlet with inside Driving Thread



**F800 - AWWA/CC Taper Thread Inlet  
by Increased MIP Thread Outlet with inside Driving Thread**

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
F800-1	1/2"	1/2"	3/4"	.7	20
F800-2	5/8"	5/8"	3/4"	1.2	5
F800-3	3/4"	3/4"	1"	1.5	5
F800-4	1"	1"	1-1/4"	2.4	8



**FB800 Ballcorp - AWWA Taper Thread Inlet by  
Increased Male Iron Pipe Thread Outlet with inside Driving Thread**

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
FB800-3	3/4"	3/4"	1"	1.6	10
FB800-4	1"	1"	1-1/4"	2.5	6
FB800-5	1-1/4"	1-1/4"	1-1/2"	4.3	2
FB800-6	1-1/2"	1-1/2"	2"	6.1	1
FB800-7	2"	2"	2-1/2"	10.0	1



**F900 - MIP Thread Inlet by Increased MIP Thread Outlet  
with inside Driving Thread**

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
F900-1	1/2"	1/2"	3/4"	.7	20
F900-3	3/4"	3/4"	1"	1.4	10
F900-4	1"	1"	1-1/4"	2.3	8



**FB900 Ballcorp - Male Iron Pipe Thread Inlet by  
Increased Male Iron Pipe Thread Outlet with inside Driving Thread**

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
FB900-3	3/4"	3/4"	1"	1.4	10
FB900-4	1"	1"	1-1/4"	2.3	6
FB900-5	1-1/4"	1-1/4"	1-1/2"	4.3	2
FB900-6	1-1/2"	1-1/2"	2"	6.1	2
FB900-7	2"	2"	2-1/2"	9.4	1

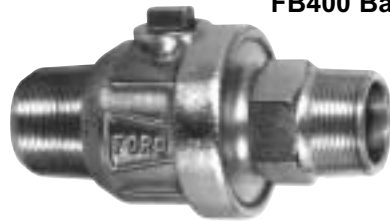
# Ford Corporation Stops and Ford Ballcorp Corporation Stops

With Male Iron Pipe Outlet



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

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
F400-1	1/2"	1/2"	1/2"	.6	20
F400-13	1/2"	1/2"	3/4"	.6	20
F400-3	3/4"	3/4"	3/4"	1.4	10
F400-34	3/4"	3/4"	1"	1.6	14
F400-4	1"	1"	1"	2.4	8



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

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
FB400-3	3/4"	3/4"	3/4"	1.4	10
FB400-4	1"	1"	1"	2.1	6
FB400-5	1-1/4"	1-1/4"	1-1/4"	4.0	2
FB400-6	1-1/2"	1-1/2"	1-1/2"	5.5	2
FB400-7	2"	2"	2"	8.4	1



**F500 - Male Iron Pipe Thread Both Ends**

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
F500-1	1/2"	1/2"	1/2"	.6	20
F500-13	1/2"	1/2"	3/4"	.6	20
F500-3	3/4"	3/4"	3/4"	1.3	10
F500-4	1"	1"	1"	2.3	8



**FB500 Ballcorp - Male Iron Pipe Thread Both Ends**

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
FB500-3	3/4"	3/4"	3/4"	1.4	12
FB500-4	1"	1"	1"	2.2	8
FB500-5	1-1/4"	1-1/4"	1-1/4"	4.0	2
FB500-6	1-1/2"	1-1/2"	1-1/2"	5.4	2
FB500-7	2"	2"	2"	8.2	1

# Ford Corporation Stops and Ford Ballcorp Corporation Stops

With Female Iron Pipe Outlet



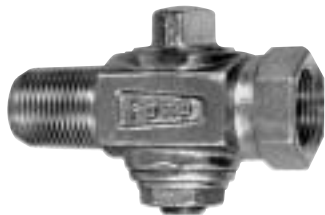
**F1600 - AWWA/CC Taper Thread Inlet by Female Iron Pipe Thread Outlet**

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
F1600-3	3/4"	3/4"	3/4"	1.4	5
F1600-4	1"	1"	1"	2.3	8



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

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
FB1600-3	3/4"	3/4"	3/4"	1.5	10
FB1600-4	1"	1"	1"	2.3	6
FB1600-5	1-1/4"	1-1/4"	1-1/4"	3.8	-
FB1600-56	1-1/4"	1-1/4"	1-1/2"	4.0	-
FB1600-6	1-1/2"	1-1/2"	1-1/2"	5.3	1
FB1600-67	1-1/2"	1-1/2"	2"	5.8	3
FB1600-7	2"	2"	2"	8.2	2



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

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
F1700-3	3/4"	3/4"	3/4"	1.3	15
F1700-4	1"	1"	1"	2.4	8



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

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
FB1700-3	3/4"	3/4"	3/4"	1.5	10
FB1700-4	1"	1"	1"	2.1	10
FB1700-5	1-1/4"	1-1/4"	1-1/4"	3.6	-
FB1700-56	1-1/4"	1-1/4"	1-1/2"	3.9	-
FB1700-6	1-1/2"	1-1/2"	1-1/2"	5.3	2
FB1700-67	1-1/2"	1-1/2"	2"	5.9	2
FB1700-7	2"	2"	2"	7.8	2

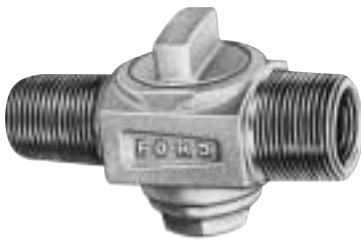
# Ford Corporation Stops

With Male Coupling Thread Outlet



**F200 - AWWA/CC Taper Thread Inlet by  
Male Coupling Thread Outlet with inside Driving Thread**

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
F200-3	3/4"	3/4"	3/4"	1.4	10
F200-4	1"	1"	1"	2.4	8



**F300 - Male Iron Pipe Thread Inlet by  
Male Coupling Thread Outlet with inside Driving Thread**

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
F300-3	3/4"	3/4"	3/4"	1.3	10
F300-4	1"	1"	1"	2.1	4

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

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

Tee Head adapters may be purchased separately or assembled at the factory. To purchase 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. No charge for factory assembly. To purchase Tee Head Adapters separately, use the Catalog Numbers listed below.



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

CATALOG NUMBER	DESCRIPTION	APPROX. WT. LBS.	STD. PKG. QTY.
TAB-6	Tee Head Adapter for 1-1/4", 1-1/2" Ballcorps	.3	-
TAB-7	Tee Head Adapter for 2" Ballcorp	.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 extension 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 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.

**Note:** The Pitorifice option is for Key Style Corporation Stops only.



# Quarter Bends, Eighth Bends and Straight Couplings

For F200 and F300 Corporation Stops. (Gaskets are included)



Female Coupling Thread by Flared Copper

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	INLET SIZE	OUTLET SIZE	CORP SIZE		
QUARTER BENDS					
L102-23	5/8"	3/4"	5/8"	1.0	15
L102-33	3/4"	3/4"	3/4"	.9	15
* L102-33S	3/4"	3/4"	3/4"	1.0	14
L102-44	1"	1"	1"	1.7	8
* L102-44S	1"	1"	1"	1.6	8
EIGHTH BENDS					
LA102-23	5/8"	3/4"	5/8"	.8	18
LA102-33	3/4"	3/4"	3/4"	.8	18
* LA102-33S	3/4"	3/4"	3/4"	1.0	15
LA102-44	1"	1"	1"	1.5	8
* LA102-44S	1"	1"	1"	1.6	10
STRAIGHT COUPLINGS					
C102-13	1/2"	3/4"	1/2"	.8	25
C102-23	5/8"	3/4"	5/8"	.8	25
C102-33	3/4"	3/4"	3/4"	.7	25
C102-34	3/4"	1"	3/4"	1.0	15
C102-44	1"	1"	1"	1.3	10

\* "S" in Catalog Number indicates swivel inlet.



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

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	INLET SIZE	OUTLET SIZE	CORP SIZE		
QUARTER BENDS					
* L104-33S	3/4"	3/4"	3/4"	1.0	12
* L104-44S	1"	1"	1"	1.4	8
EIGHTH BENDS					
LA104-23	5/8"	3/4"	5/8"	.8	18
◆ LA104-23S	5/8"	3/4"	5/8"	.9	-
LA104-33	3/4"	3/4"	3/4"	.7	18
* LA104-33S	3/4"	3/4"	3/4"	.9	15
LA104-44	1"	1"	1"	1.4	8
* LA104-44S	1"	1"	1"	1.2	10
STRAIGHT COUPLINGS					
◆ C104-23	5/8"	3/4"	5/8"	.7	20
◆ C104-33	3/4"	3/4"	3/4"	.7	18
C104-44	1"	1"	1"	1.0	12

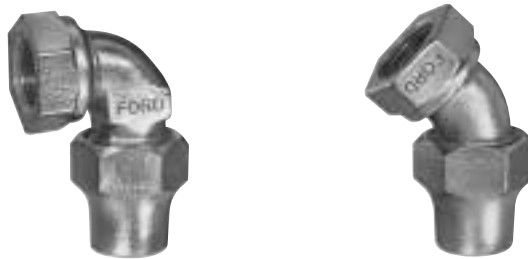
\* "S" in Catalog Number indicates swivel inlet.

**Grip Joint** for CTS is available. Add "-G" to the Catalog Number.

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

# Quarter Bends and Eighth Bends

For Ford Corporation Stops and Ford Ballcorp Corporation Stops  
For F400, F500 and Ballcorp FB400 and FB500 Corporation Stops.



Female Iron Pipe Thread by Flared Copper

CATALOG NUMBER	DESCRIPTION		APPROX.	STD. PKG.
	INLET SIZE	OUTLET SIZE	WT. LBS.	QTY.
QUARTER BENDS				
L21-33	3/4"	3/4"	1.0	16
L21-44	1"	1"	1.8	8
L21-66	1-1/2"	1-1/2"	3.8	3
L21-77	2"	2"	6.6	1
EIGHTH BENDS				
LA21-33	3/4"	3/4"	.9	18
LA21-44	1"	1"	1.6	10

For F600, F700, and Ballcorp FB600 and FB700 Corporation Stops.  
(Copper Gaskets are included)



Eighth Bends

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	INLET SIZE	OUTLET SIZE		
FEMALE COPPER THREAD BY FLARE COPPER				
LA02-33	3/4"	3/4"	.8	18
LA02-44	1"	1"	1.4	10
LA02-66	1-1/2"	1-1/2"	3.2	2
LA02-77	2"	2"	6.4	3
FEMALE COPPER THREAD BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)				
LA04-33	3/4"	3/4"	.7	18
LA04-44	1"	1"	1.1	10
LA04-66	1-1/2"	1-1/2"	2.5	4
LA04-77	2"	2"	4.4	2
FEMALE COPPER THREAD BY PACK JOINT FOR PE PIPE				
LA06-33	3/4"	3/4"	.8	14
LA06-44	1"	1"	1.7	6

**Grip Joint** for CTS is available. Add "-G" to the Catalog Number.  
**Grip Joint** for PEP (3/4" & 1") is available. Add "-G" to the Catalog Number.

# Quarter Bends and Eighth Bends

For Ford Corporation Stops and Ford Ballcorp Corporation Stops

For F600, F700, and FB600 and FB700 Ballcorp Corporation Stops.  
(Copper Gaskets are included)



## Quarter Bends

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	INLET SIZE	OUTLET SIZE		
FEMALE COPPER THREAD BY FLARE COPPER				
L02-33	3/4"	3/4"	1.0	15
L02-44	1"	1"	1.6	8
L02-66	1-1/2"	1-1/2"	3.3	2
L02-77	2"	2"	6.9	1
FEMALE COPPER THREAD BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)				
L04-33	3/4"	3/4"	.8	14
L04-34	3/4"	1"	1.0	10
L04-44	1"	1"	1.2	8
L04-66	1-1/2"	1-1/2"	3.6	2
L04-77	2"	2"	6.8	2
FEMALE COPPER THREAD BY PACK JOINT FOR PE PIPE				
L06-33	3/4"	3/4"	.9	14
L06-44	1"	1"	1.4	6

*Grip Joint* for CTS and PEP (3/4" & 1") is available. Add "-G" to the Catalog Number.



## Swivel Eighth Bends

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	INLET SIZE	OUTLET SIZE		
FEMALE COPPER THREAD SWIVEL NUT BY FLARE COPPER				
LA02-33S	3/4"	3/4"	1.1	18
LA02-44S	1"	1"	1.5	10
FEMALE COPPER THREAD SWIVEL NUT BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)				
◆LA04-33S	3/4"	3/4"	.9	15
◆LA04-44S	1"	1"	1.2	8

*Grip Joint* for CTS is available. Add "-G" to the Catalog Number.



## Swivel Quarter Bends

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	INLET SIZE	OUTLET SIZE		
FEMALE COPPER THREAD SWIVEL NUT BY FLARE COPPER				
L02-33S	3/4"	3/4"	1.1	14
L02-44S	1"	1"	1.8	8
L02-66S	1-1/2"	1-1/2"	4.7	2
L02-77S	2"	2"	8.0	1
FEMALE COPPER THREAD SWIVEL NUT BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)				
◆L04-33S	3/4"	3/4"	1.1	12
L04-44S	1"	1"	1.4	8

*Grip Joint* for CTS is available. Add "-G" to the Catalog Number.

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

# Quarter Bends and Eighth Bends

For Ford Corporation Stops and Ford Ballcorp Corporation Stops

For F800, F900 and FB800, FB900 Ballcorp Corporation Stops.



CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	FIP INLET SIZE	OUTLET SIZE	CORP SIZE		
QUARTER BENDS WITH FLARE COPPER OUTLET					
L12-43	1"	3/4"	3/4"	.9	14
L12-54	1-1/4"	1"	1"	1.7	8
EIGHTH BENDS WITH FLARE COPPER OUTLET					
LA12-43	1"	3/4"	3/4"	.8	20
LA12-54	1-1/4"	1"	1"	1.4	10
EIGHTH BENDS WITH PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) OUTLET					
LA14-43	1"	3/4"	3/4"	.7	18
LA14-54	1-1/4"	1"	1"	1.1	-
LA14-76	2"	1-1/2"	1-1/2"	2.8	4
LA14-87	2-1/2"	2"	2"	5.4	2

*Grip Joint* for CTS is available. Add "-G" to the Catalog Number.

## Ford Tube Nuts and Copper Gaskets

### Copper Tube Nuts for Flared Copper Connections



CATALOG NUMBER	DESCRIPTION COPPER SIZE	APPROX. WT. LBS.	STD. PKG. QTY.
CTN-1	1/2"	.2	-
CTN-2	5/8"	.2	-
CTN-3	3/4"	.3	-
CTN-4	1"	.6	-
CTN-5	1-1/4"	.9	-
CTN-6	1-1/2"	1.1	-
CTN-7	2"	2.3	-

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



CATALOG NUMBER	DESCRIPTION CONN. SIZE	APPROX. WT. LBS.	STD. PKG. QTY.
SLC-3	3/4"	.01	-
SLC-4	1"	.02	-
SLC-5	1-1/4"	.03	-
SLC-6	1-1/2"	.04	-
SLC-7	2"	.08	-

# Replacement Piece for Corporation Stops and Ford Ballcorp Corporation Stops

**AWWA/CC Taper Thread Inlet by Flared Copper Outlet - replaces F600 or FB600**



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	INLET SIZE	OUTLET SIZE		
F60-1	1/2"	1/2"	.3	45
F60-3	3/4"	3/4"	.9	20
F60-4	1"	1"	1.2	10
F60-6	1-1/2"	1-1/2"	3.1	3
F60-7	2"	2"	6.4	1

**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.	STD. PKG. QTY.
	INLET SIZE	OUTLET SIZE		
F60-4-3	3/4"	3/4"	.7	20
F60-4-4	1"	1"	1.3	12

*Grip Joint* for CTS is available. Add "-G" to the Catalog Number.

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



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	INLET SIZE	OUTLET SIZE		
F60-6-3	3/4"	3/4"	.7	20
F60-6-4	1"	1"	1.2	10

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

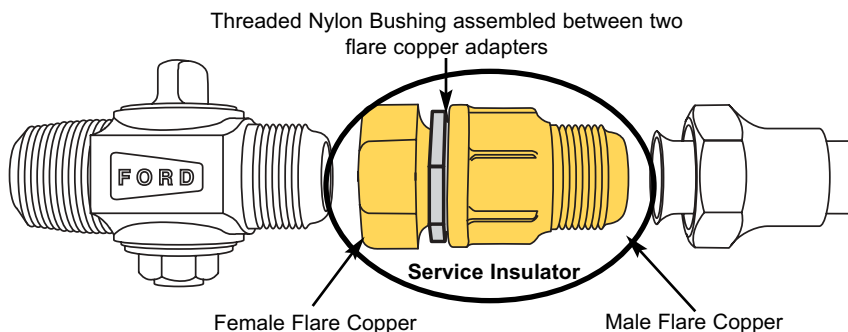
**AWWA/CC Taper Thread Inlet by Male Iron Pipe Thread Outlet - replaces F400 or FB400**



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	INLET SIZE	OUTLET SIZE		
F40-1	1/2"	1/2"	.3	60
F40-3	3/4"	3/4"	.6	25
F40-4	1"	1"	.6	18
F40-6	1-1/2"	1-1/2"	1.4	8
F40-7	2"	2"	2.6	4

## Service Insulators

**For Protection Against Service Line Electrolysis**



CATALOG NUMBER	DESCRIPTION	APPROX. WT. LBS.	STD. PKG. QTY.
SI-3	3/4"	.9	20
SI-4	1"	1.4	10
SI-6	1-1/2"	3.7	3
SI-7	2"	7.1	2

**Note:** Various service line connection types are available.

# Brass Corp Stop Plugs

## AWWA Taper Thread by Square Wrench Head



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	THREAD SIZE	APPLICATION		
CSP-3-A	3/4"	Square Wrench Head	.245	60
CSP-4-A	1"	Square Wrench Head	.345	40

## Male Iron Pipe Thread by Square Wrench Head



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	THREAD SIZE	APPLICATION		
CSP-3-I	3/4"	Square Wrench Head	.170	100
CSP-4-I	1"	Square Wrench Head	.305	50

## AWWA Taper Thread by Internal Driving Thread



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	THREAD SIZE	APPLICATION		
CSP-3-IT	3/4"	Internal Driving Thrd	.334	-
CSP-4-IT	1"	Internal Driving Thrd	.675	25



SP-3



WSP-3

## Screw Plug Adapters and Washers

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

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

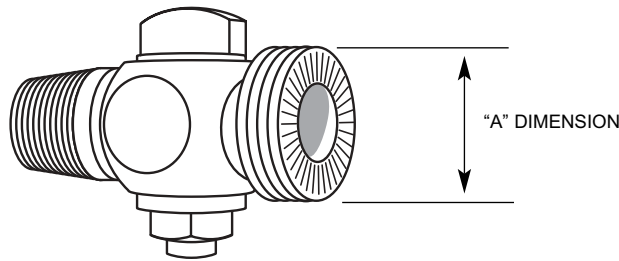
Ford Screw Plug Adapters are specifically designed to protect corp stop outlets during insertion. Washers help prevent outlet damage caused by some non-Ford screw plug adapters.

## Brass Bushings for Corporation Stop Inlets



CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	OUTSIDE THREAD SIZE AND TYPE	INSIDE THREAD SIZE AND TYPE		
BBAA-31	3/4" Male AWWA Taper Thread	1/2" Female AWWA Taper Thread	.35	50
BBAA-43	1" Male AWWA Taper Thread	3/4" Female AWWA Taper Thread	.45	36
BBAA-63	1-1/2" Male AWWA Taper Thread	3/4" Female AWWA Taper Thread	1.31	10
BBAA-64	1-1/2" Male AWWA Taper Thread	1" Female AWWA Taper Thread	1.21	10
BBAA-73	2" Male AWWA Taper Thread	3/4" Female AWWA Taper Thread	2.20	8
BBAA-74	2" Male AWWA Taper Thread	1" Female AWWA Taper Thread	2.10	8
BBAA-75	2" Male AWWA Taper Thread	1-1/4" Female AWWA Taper Thread	1.80	8
BBAA-76	2" Male AWWA Taper Thread	1-1/2" Female AWWA Taper Thread	1.50	8
BBAI-31	3/4" Male AWWA Taper Thread	1/2" Female Iron Pipe Thread	.35	50
BBAI-43	1" Male AWWA Taper Thread	3/4" Female Iron Pipe Thread	.45	30
BBAI-65	1-1/2" Male AWWA Taper Thread	1-1/4" Female Iron Pipe Thread	1.00	10
BBAI-75	2" Male AWWA Taper Thread	1-1/4" Female Iron Pipe Thread	1.90	8
BBIA-43	1" Male Iron Pipe Thread	3/4" Female AWWA Taper Thread	.35	30
BBIA-53	1-1/4" Male Iron Pipe Thread	3/4" Female AWWA Taper Thread	.45	30
BBIA-54	1-1/4" Male Iron Pipe Thread	1" Female AWWA Taper Thread	.30	35
BBIA-63	1-1/2" Male Iron Pipe Thread	3/4" Female AWWA Taper Thread	.80	20
BBIA-64	1-1/2" Male Iron Pipe Thread	1" Female AWWA Taper Thread	1.00	10
BBIA-73	2" Male Iron Pipe Thread	3/4" Female AWWA Taper Thread	1.50	16
BBIA-74	2" Male Iron Pipe Thread	1" Female AWWA Taper Thread	1.40	12
BBIA-75	2" Male Iron Pipe Thread	1-1/4" Female AWWA Taper Thread	1.10	14
BBIA-76	2" Male Iron Pipe Thread	1-1/2" Female AWWA Taper Thread	1.10	8

# Ford Conversion Connections for Lead Service Corporation Stops



When ordering conversion connections for flanged lead Corporation Stops, check the outlet size to assure 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 23 as the "A" dimension.

## For Flanged Lead Corporation Stops (These Connections Replace Flanged Lead Gooseneck Connections) Leather Gaskets Are Included

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

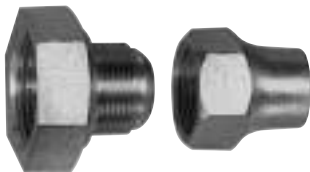


FORD CAT. NO.	DESCRIPTION		APPROX. "A" DIM.	APPROX. WT. LBS.	STD. PKG. QTY.
	INLET SIZE/TYPE	OUTLET SIZE			
LFC1-13	1/2" XS	3/4"	1-7/16"	1.7	20
*LFSC-2	5/8" XS	3/4"	1-5/8"	.5	30
*LFSC-3	3/4" XS	3/4"	1-7/8"	.7	28
*LFSC-4	1" XS	1"	2-1/8"	.9	20

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

FORD CAT. NO.	DESCRIPTION		APPROX. "A" DIM.	APPROX. WT. LBS.	STD. PKG. QTY.
	INLET SIZE/TYPE	OUTLET SIZE			
LFC4-23	5/8" XS	3/4"	1-5/8"	.8	14
*LFSC4-33	3/4" XS	3/4"	1-7/8"	1.1	12

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



FORD CAT. NO.	DESCRIPTION		APPROX. "A" DIM.	APPROX. WT. LBS.	STD. PKG. QTY.
	INLET SIZE/TYPE	OUTLET SIZE			
LFC2-13	1/2" XS	3/4"	1-7/16"	1.0	15
LFC2-23	5/8" XS	3/4"	1-5/8"	1.0	15
*LFSC2-33	3/4" XS	3/4"	1-7/8"	1.3	15
LFC2-44	1" XS	1"	2-1/8"	1.3	10

\* "S" in Catalog Number indicates swivel coupling.



# 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.



## Female Coupling Thread Inlet by Flare Copper Outlet

FORD CAT NO.	DESCRIPTION			APPROX.	APPROX.	STD. PKG.
	INLET SIZE	OUTLET SIZE	CORP SIZE	"A" DIM.	WT. LBS.	QTY.
QUARTER BENDS						
L102-23	5/8"	3/4"	5/8"	1-1/8"	1.0	15
L102-33	3/4"	3/4"	3/4"	1-1/4"	.9	15
* L102-33S	3/4"	3/4"	3/4"	1-1/4"	1.0	14
L102-44	1"	1"	1"	1-1/2"	1.7	8
* L102-44S	1"	1"	1"	1-1/2"	1.6	8
EIGHTH BENDS						
LA102-23	5/8"	3/4"	5/8"	1-1/8"	.8	18
LA102-33	3/4"	3/4"	3/4"	1-1/4"	.8	18
* LA102-33S	3/4"	3/4"	3/4"	1-1/4"	1.0	15
LA102-44	1"	1"	1"	1-1/2"	1.5	8
* LA102-44S	1"	1"	1"	1-1/2"	1.6	10
STRAIGHT COUPLINGS						
C102-13	1/2"	3/4"	1/2"	1"	.8	25
C102-23	5/8"	3/4"	5/8"	1-1/8"	.8	24
C102-33	3/4"	3/4"	3/4"	1-1/4"	.7	24
C102-34	3/4"	1"	3/4"	1-1/4"	1.0	15
C102-44	1"	1"	1"	1-1/2"	1.3	10

\* "S" in Catalog Number indicates swivel inlet.



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

FORD CAT. NO.	DESCRIPTION			APPROX. “A” DIM.	APPROX. WT. LBS.	STD. PKG. QTY.
	INLET SIZE	OUTLET SIZE	CORP SIZE			
QUARTER BENDS						
* L104-33S	3/4"	3/4"	3/4"	1-1/4"	1.0	12
* L104-44S	1"	1"	1"	1-1/2"	1.4	8
EIGHTH BENDS						
LA104-23	5/8"	3/4"	5/8"	1-1/8"	.8	18
LA104-33	3/4"	3/4"	3/4"	1-1/4"	.7	18
* LA104-33S	3/4"	3/4"	3/4"	1-1/4"	.9	15
LA104-44	1"	1"	1"	1-1/2"	1.4	8
* LA104-44S	1"	1"	1"	1-1/2"	1.2	10
STRAIGHT COUPLINGS						
C104-23	5/8"	3/4"	5/8"	1-1/8"	.7	18
C104-33	3/4"	3/4"	3/4"	1-1/4"	.7	18
C104-44	1"	1"	1"	1-1/2"	1.0	12

**Grip Joint** for CTS is available. Add "-G" to the Catalog Number.

\* "S" in Catalog Number indicates swivel inlet.

# Section A

# Ford Ballcorps and Corporation Stops

## Warranty

All merchandise is warranted to be free from defects in materials and factory workmanship. 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 his 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.

### **Please Note:**

The Ford Meter Box Company considers the information in this catalog to be correct at the time of publication. Item and option availability, including specifications, are subject to change without notice. Please verify that your product information is current.



**The Ford Meter Box Co., Inc.** 775 Manchester Avenue, P.O. Box 443, Wabash, Indiana, USA 46992-0443  
Telephone: 260/563-3171 FAX: 1-800-826-3487 Overseas FAX: 260/563-0167 <http://www.fordmeterbox.com>