



THE FORD METER BOX COMPANY, INC
CERTIFIED TO ISO 9001:2008
10002505

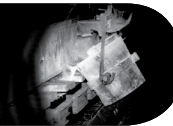
Ford Product Guide

This guide shows Ford Meter Box product categories by catalog section. For complete product information, please refer to the *specific* catalog section referenced in this guide.



FORD

NO-LEAD BRASS ALLOY



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.

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

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CORPORATION STOPS AND BALLCORPS

CATALOG SECTION A - 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

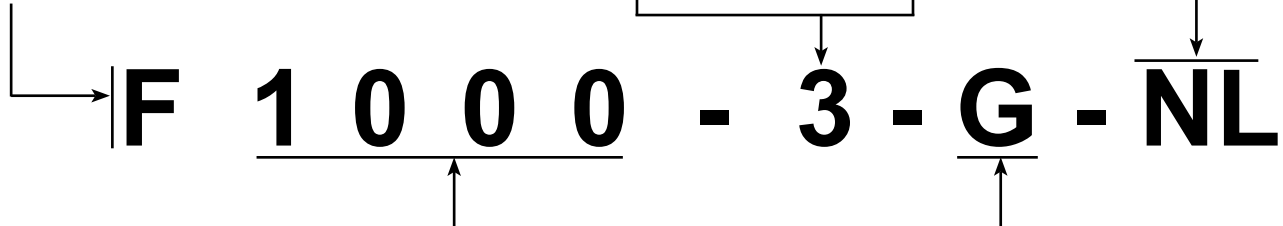
- 1 = 1/2"
- 2 = 5/8"
- 3 = 3/4"
- 4 = 1"
- 5 = 1-1/4"
- 6 = 1-1/2"
- 7 = 2"

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



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 (Schedule 40 & 80)
1600	1700	Female Iron Pipe

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 1-1/4", 1-1/2" and 2" ballcorp
- 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

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.

CORPORATION STOPS AND BALLCORPS

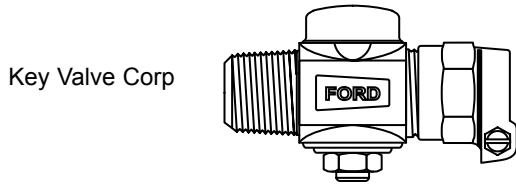
CATALOG SECTION A - PRODUCTS

Ford Meter Box offers the largest variety of service line connections including male and female iron pipe thread, flare copper, compression couplings for copper, iron, polyethylene, PVC and lead. All Ford brass products that contact drinking water are made of no-lead UNS/CDA C89833 brass alloy unless otherwise requested.

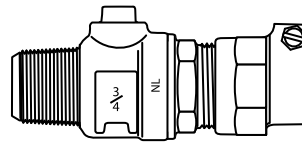
COMPRESSION FITTINGS

- Pack Joint Nuts are available on all fittings.
- Grip Joint Nuts are available for 3/4" through 2" CTS and 3/4" and 1" PE Pipe.
- Quick Joint Nuts are available on a select number of fittings. See catalog for particular listings.
- Ultra-Tite (stab connection) available on 3/4" and 1" PEP and PET (CTS).

Corporation Stops

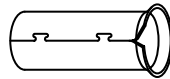


Key Valve Corp

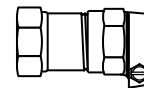
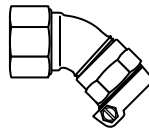
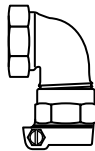


Ball Valve Corp
(Ballcorp)

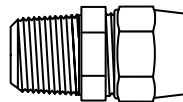
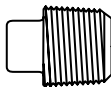
Insert Stiffeners for PE Pipe or Tubing



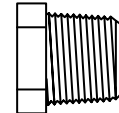
Quarter Bends, Eighth Bends, and Straight Couplings



Replacement Pieces, Brass Corp Stop Plugs and Brass Bushings for Corporation Stops

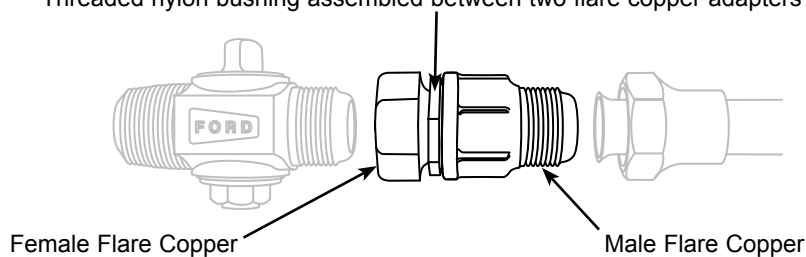


Corp Stop Replacement Piece
with Grip Joint Nut outlet



Service Insulators

Threaded nylon bushing assembled between two flare copper adapters



SERVICE SADDLES

CATALOG SECTION AA - NUMBERING SYSTEM

SIZE OF O.D.

High end of application O.D.
range or actual pipe O.D.

Please verify actual pipe O.D.
is within listed catalog range.

TYPE OF TAP

CC = AWWA tapered thread
IP = Iron pipe thread

F C 2 0 2 - 6 9 0 - C C 3

TYPE OF SADDLE

- 101B** = Brass Saddle with a Single Silicon Bronze Strap
- 101BS** = Brass Saddle with a Single Stainless Steel Band
- 202B** = Brass Saddle with Two Silicon Bronze Straps
- 202BS** = Brass Saddle with a Double Wide Stainless Steel Band
- 202BSD** = Brass Saddle with Dual Stainless Steel Bands
- *F101** = Iron Saddle with a Single Strap
- FC101** = Iron Saddle with a Single Stainless Steel Band and Epoxy Coated Body
- *◇ F202** = Iron Saddle with Two Steel Straps (*for 3" and 4" taps, saddle body is fabricated steel*)
- ◇ FC202** = Iron Saddle with a Double Wide Stainless Steel Band and Epoxy Coated Body
- ◇ FCD202** = Iron Saddle with Dual Stainless Steel Bands and Bolts, Epoxy Coated Body
- FRS202** = All Stainless Steel Repair Saddle with Two Stainless Steel Bands
- FS313** = All Stainless Steel Saddle with a Single Band
- FS323** = All Stainless Steel Saddle with a Double Band
- FS333** = All Stainless Steel Saddle with a Triple Band
- FSP313** = All Stainless Steel Saddle with a Single Band for HDPE
- FSP323** = All Stainless Steel Saddle with a Double Band for HDPE
- FSP333** = All Stainless Steel Saddle with a Triple Band for HDPE

SIZE OUTLET THREAD

- 1** = 1/2"
- 3** = 3/4"
- 4** = 1"
- 6** = 1-1/2"
- 7** = 2"
- 8** = 2-1/2"
- 9** = 3"
- 11** = 4"

* F101/F202 Saddles available with stainless straps, contact factory for availability.

◇ F202 / FC202 / FCD202 Saddles available as import in sizes 2" - 12". Add "-I" to the end of the catalog number.

TYPE OF SADDLE

S = Brass Saddle

TYPE OUTLET THREAD

0 = Tapped AWWA
1 = Tapped Iron Pipe

S

7

0

-

2 0 3

S

9

0

2

-

2 0 3

TYPE OF MAIN TO BE TAPPED

4 = 2" Copper Tubing
(with 1/2", 3/4" and 1" taps only)
7 = PVC Main - Steel O.D.
9 = PVC Main - Cast Iron O.D.

**INDICATES SADDLE IS TWO-PIECE
BOLTED DESIGN**

S902 AND S912 ONLY

SIZE PVC MAIN

20 = 2"
25 = 2-1/2"
30 = 3"
40 = 4"
50 = 5"
60 = 6"
80 = 8"
100 = 10"
120 = 12"

SIZE OUTLET THREAD

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

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

* For S40/S41 saddles only. 1/2" taps for all other saddles require an optional bushing.

SERVICE SADDLES

CATALOG SECTION AA - PRODUCTS

Brass Saddles



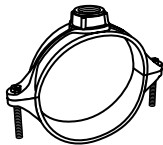
Style S40 and S41
Saddle for Copper Tubing



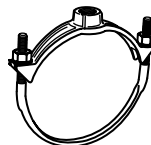
Style S70 and S71
Saddle for Standard PVC Pipe



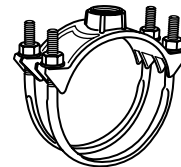
Style S90 and S91
Saddle for C900 PVC Pipe



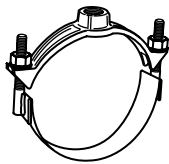
Style S902 and S912
Two-Piece Bolted Saddle
for C900 PVC Pipe



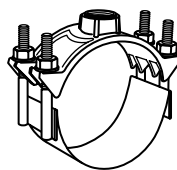
Style 101B
Single Strap Saddle
for AC and Iron Pipe



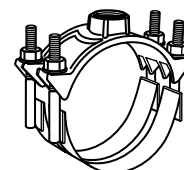
Style 202B
Double Strap Saddle
for AC and Iron Pipe



Style 101BS
Single Band Saddle with Stainless Steel
Bands and Bolts for C900 PVC Pipe



Style 202BS
Double Band Saddle with
Stainless Steel Bands and
Bolts for C900/C905,
AC and Iron Pipe



Style 202BSD
Dual Band Saddle with
Stainless Steel Bands and
Bolts for C900/C905,
AC and Iron Pipe

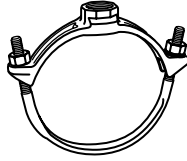
Brass saddles are not required to comply with the no-lead standard and shall meet the requirements of ASTM B62 and ASTM B584, using UNS/CDA number C83600. Brass saddles (in most states) are exempt from the no-lead requirements.

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.

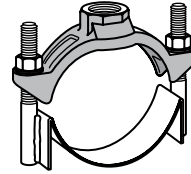
SERVICE SADDLES

CATALOG SECTION AA - PRODUCTS

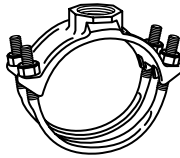
Ductile Iron Service Saddles



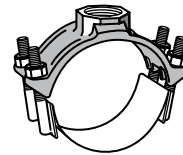
Style F101
Single Strap Saddle
(epoxy coated with standard steel strap)
for AC and Iron Pipe



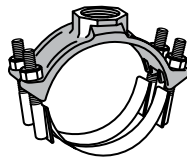
Style FC101
Single Band Saddle (epoxy coated
with stainless steel band and bolts)
for AC, Iron, C900/C905 PVC
and Steel Sized PVC



Style F202
Double Strap Saddle
(epoxy coated with standard steel straps)
for AC and Iron Pipe



Style FC202
Double Band Saddle (epoxy
coated, with stainless steel band
and bolts) for AC, Iron, C900/C905
PVC and HDPE

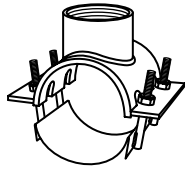


Style FCD202
Dual Band Saddle
(epoxy coated, with dual
stainless steel band and
bolts) for AC, Iron and
C900/C905 PVC

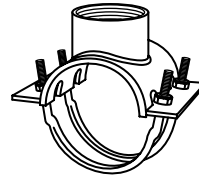
SERVICE SADDLES

CATALOG SECTION AA - PRODUCTS

Fabricated Steel Service Saddles for 3" and 4" taps



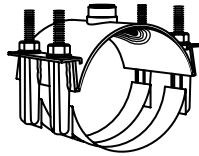
Style FS202
(with stainless steel band)



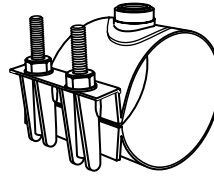
Style F202
(with standard steel straps)

For C900/C905 PVC, Steel Sized PVC, AC and Iron Pipe

Stainless Steel Service Saddles



Style FRS202
Double Band Stainless Repair Saddle
For C900/C905 PVC, AC
and Iron Pipe



Style FS300
Stainless Steel Saddle
For C900/C905/C909 PVC, Steel
Sized PVC, AC, and Iron Pipe

TAPPING SLEEVES

CATALOG SECTION AA - NUMBERING SYSTEM

TYPE OF TAPPING SLEEVE

- FAST** = All Stainless Steel Tapping Sleeve
- FASTP** = All Stainless Steel Tapping Sleeve for use on HDPE
- FTSS** = All Stainless Steel Tapping Sleeve with Removable Bolts
- FTSSP** = All Stainless Steel Tapping Sleeve with Removable Bolts for use on HDPE
- FTSAS** = All Stainless Steel Tapping Sleeve with Removable Bolts 4"-36" Flange Size
- FTS** = Steel Tapping Sleeve with Removable Bolts and Outlet Seal Gasket
- FTSP** = Steel Tapping Sleeve for use on HDPE
- FTSC** = Epoxy Coated Steel Tapping Sleeve with Stainless Steel Bolts
- FTSCP** = Epoxy Coated Steel Tapping Sleeve with Stainless Steel Bolts for Use on HDPE

OPTIONS

- A** = Optional Carbon Steel Flange on FAST, FTSS and FTSAS
- A-E** = Epoxy Coated Carbon Steel Flange on FAST, FTSS and FTSAS

FAST - 970 - 4A - MJ

SIZE OF O.D.
High end of application O.D. range.
Please verify actual pipe O.D.
is within listed catalog range.

OUTLET SIZE

- CODE**
- 3** = 3"
 - 4** = 4"
 - 6** = 6"
 - 8** = 8"
 - 10** = 10"
 - 12** = 12"
 - *14** = 14"
 - *16** = 16"
 - *18** = 18"
 - *20** = 20"
 - *24** = 24"

OPTIONS

- MJ** = Mechanical Joint Adapter Outlet (instead of flange outlet)
- AH** = Optional High Strength Low Alloy Steel Nuts and Bolts on Removable Bolt Tapping Sleeves
- EPDM** = EPDM Gasket
- SH** = Optional Stainless Steel Nuts and Bolts on FTS
- FG** = Optional Ultra-Seal Cap Style Flange Gasket (available for 4" through 12" and standard on all 10" and 12" size flanges for FAST and FTSS tapping sleeves)

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

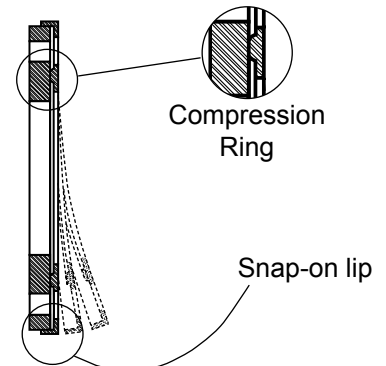
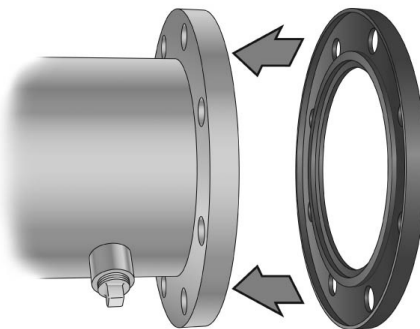
* These outlet sizes are not available on the FAST Style.

Class E and F flanges are available. Contact the factory for availability.

TAPPING SLEEVES

CATALOG SECTION AA - PRODUCTS

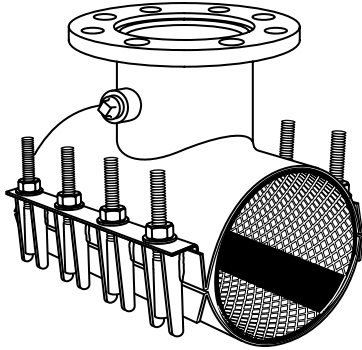
Ultra-Seal Gasket
for 4"-12" Class D Flanges
Style CSFG



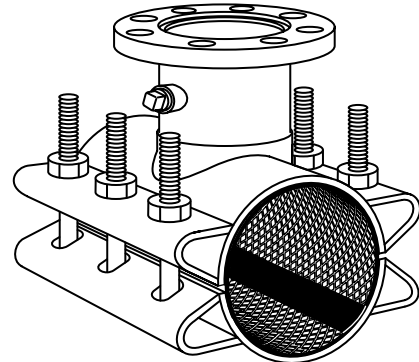
TAPPING SLEEVES

CATALOG SECTION AA - PRODUCTS

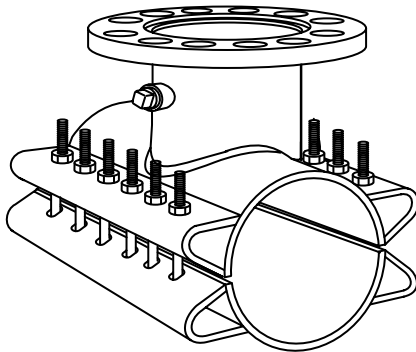
Tapping Sleeves



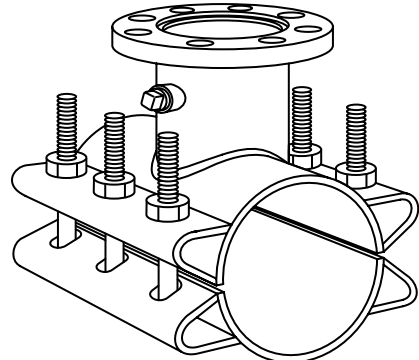
**All Stainless Steel Tapping Sleeve
with 360° Gasket**
Style FAST Tapping Sleeves with 3" - 24"
stainless steel or carbon steel flange



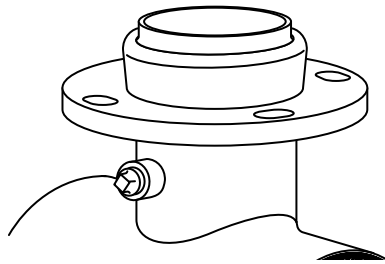
**All Stainless Steel Tapping Sleeve
with Removable Bolts and 360° Gasket**
Style FTSS Tapping Sleeves with 3" - 36"
stainless steel or carbon steel flange



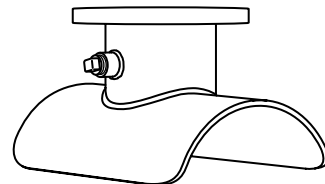
**All Stainless Steel Tapping Sleeve
with removable bolts**
Style FTSAS Tapping Sleeves with 3" - 36"
stainless steel or carbon steel flange
FTSAS not for use on HDPE pipe



Steel Tapping Sleeve
Style FTS Tapping Sleeves
and
Style FTSC Epoxy Coated Tapping Sleeves
Available with 3" - 36" flanged outlet.



Mechanical Joint Outlet
Available for all tapping sleeves
with 3" - 36" outlets



Steel Weld-On Tapping Sleeves
Style FWS

DRILLING MACHINE

CATALOG SECTION AB - NUMBERING SYSTEM

DRILLING MACHINE KITS

Catalog Number	Description
DMO-NL	Model 77 Drilling Machine Body Only (items 1 through 8)
DMO-1-9A-NL	Model 77 Drilling Machine Only (items 1 through 9A)
DMK-1-12A-NL	Model 77 Drilling Machine Kit Complete (items 1 through 12)

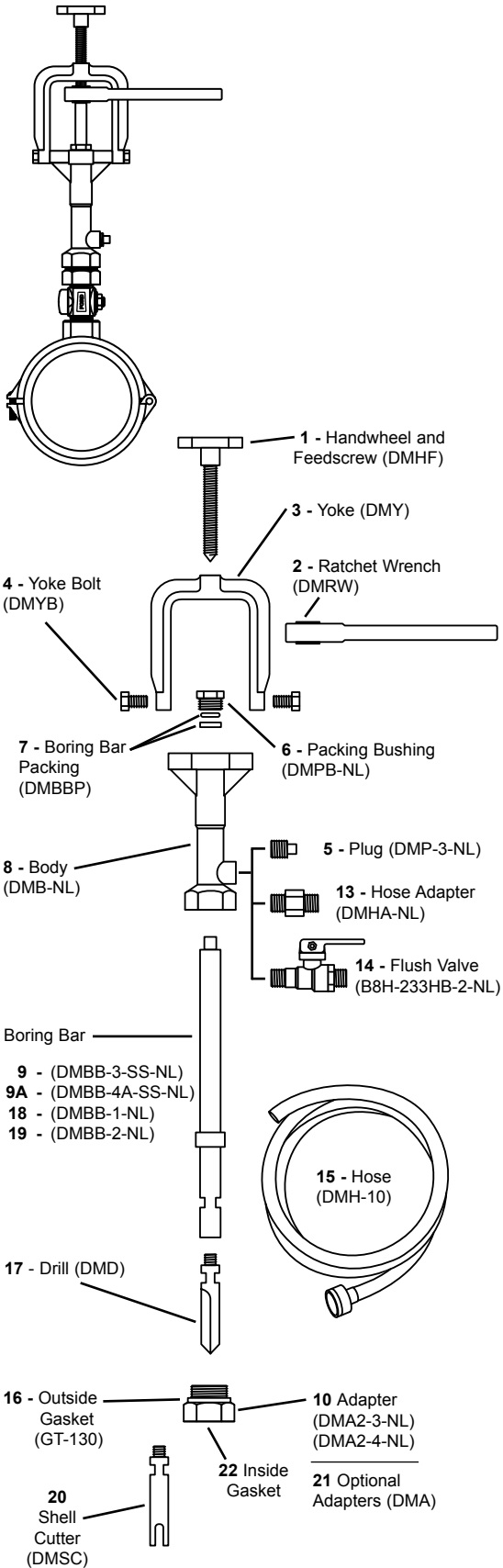
DRILLING MACHINE COMPONENTS

Ref. No.	Description	Catalog Number
1	Handwheel and Feedscrew	DMHF
2	Ratchet Wrench	DMRW
3	Yoke	DMY
4	Yoke Bolts (2)	DMYB
5	Plug - 3/4" Iron Pipe Thread	DMP-3-NL
6	Packing Bushing	DMPB-NL
7	Boring Bar Packing (2)	DMBBP
8	Body	DMB-NL
9	3/4" Boring Bar (fits 11/16" drill and shell cutter for 3/4" corp stop)	DMBB-3-SS-NL
9A	1" Boring Bar (fits 7/8" drill and shell cutter for 1" corp stop)	DMBB-4A-SS-NL
10	3/4" Flare Copper Adapter with Gaskets 1" Flare Copper Adapter with Gaskets	DMA2-3-NL DMA2-4-NL
11	Open End Adjustable Wrenches (2 - one each 8" & 10")	DMAW-PR
12	Tool Box	DMTB

OPTIONAL ITEMS

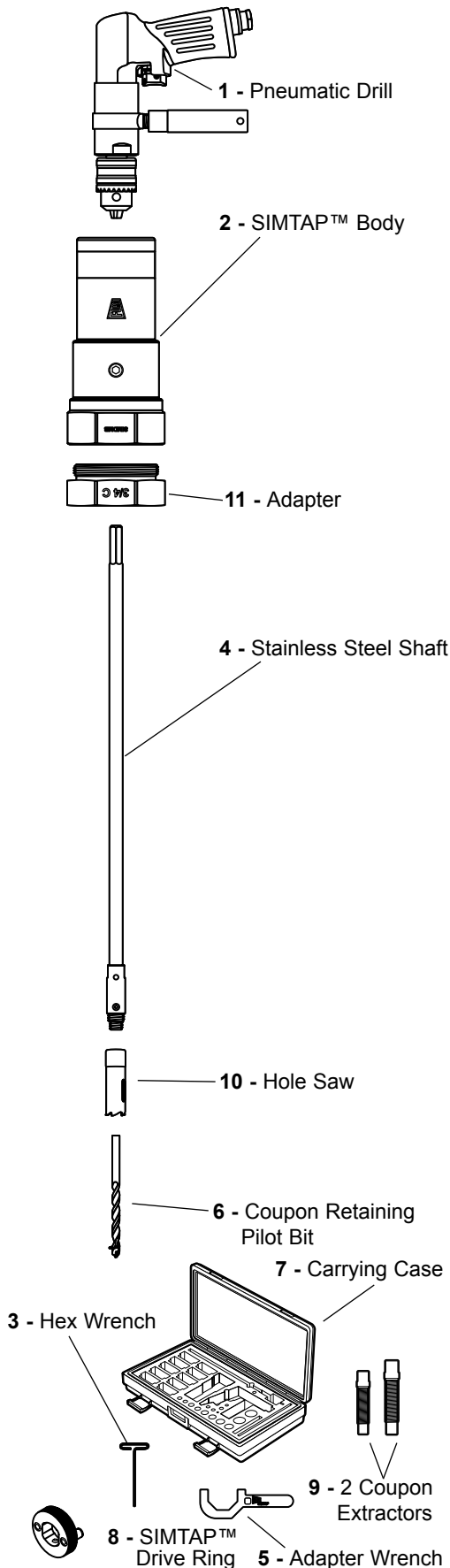
–	Drilling Machine Ratchet Wrench Repair Kit	DMRWRK
13	Hose Adapter for Chip Flushing	DMHA-NL
14	Ball Valve with Hose Threads for Chip Flushing	B8H-33HB-2-NL
15	10 ft. Hose for Chip Flushing	DMH-10
16	Outside Gasket for all Corp Stop Adapters	GT-130
17	7/16" Drill for 1/2" Corp Stop (fits boring bar DMBB-1-NL)	DMD-1-NL
	9/16" Drill for 5/8" Corp Stop (fits boring bar DMBB-2-NL)	DMD-2-NL
	11/16" Drill for 3/4" Corp Stop (fits boring bar DMBB-3-SS-NL)	DMD-3-NL
	7/8" Drill for 1" Corp Stop (fits boring bar DMBB-4A-SS-NL)	DMD-4A-NL
18	Boring Bar for 7/16" Drill for 1/2" Corp Stop	DMBB-1-NL
19	Boring Bar for 9/16" Drill for 5/8" Corp Stop	DMBB-2-NL
20	7/16" Shell Cutter for 1/2" Corp Stop (fits boring bar DMBB-1-NL)	DMSC-1-NL
	11/16" Shell Cutter for PVC (fits boring bar DMBB-3-SS-NL)	DMSC-3-NL
	7/8" Shell Cutter for PVC (fits boring bar DMBB-4A-SS-NL)	DMSC-4A-NL
21	1/2" Flare Copper Adapter with Gaskets	DMA2-1-NL
	5/8" Flare Copper Adapter with Gaskets	DMA2-2-NL
	1-1/4" Flare Copper Adapter with Gaskets	*DMA2-5-NL
	3/4" Female Iron Pipe Adapter with Gaskets	DMA1-3-NL
	1" Female Iron Pipe Adapter with Gaskets	DMA1-4-NL
	1-1/4" Female Iron Pipe Adapter with Gaskets	*DMA1-5-NL
	1-1/4" Quick Joint Adapter with Gaskets	*DMA4-5-Q-NL
	3/4" Quick Joint Adapter with Gaskets	DMA6-3-Q-NL
	1" Quick Joint Adapter with Gaskets	DMA6-4-Q-NL
22	Inside Gasket for 1/2" Flare Copper Adapter	GT-106
	Inside Gasket for 5/8" Flare Copper Adapter	GT-107
	Inside Gasket for 3/4" Flare Copper Adapter	GT-118
	Inside Gasket for 1" Flare Copper Adapter	GT-119
	Inside Gasket for 1-1/4" Flare Copper Adapter	GT-147
	Inside Gasket for 3/4" Iron Pipe Adapter	GT-114
	Inside Gasket for 1" Iron Pipe Adapter	GT-120
	Inside Gasket for 1-1/4" Iron Pipe Adapter	GT-119

Note: 1-1/4", 1-1/2" and 2" equipment are shown in catalog section AB
 * For use with 7/8" (1" nominal) drill or shell cutter.



THE FORD DRILLING MACHINE

CATALOG SECTION AB - NUMBERING SYSTEM



SIMTAP™ KITS

CATALOG NUMBER	DESCRIPTION
SIMDMK-NL	Complete SIMTAP™ Drilling Machine Kit with Pneumatic Drill (includes items 1-11) (29.18 lbs)
SIMDMK-LD-NL	The SIMTAP™ Drilling Machine Kit less Pneumatic Drill (includes items 2-11) (25.58 lbs)
SIMDMK-B-NL	The SIMTAP™ Drilling Machine Base Kit (includes items 2-8) (12.9 lbs)

COMPONENT PARTS

REF. No.	CATALOG No.	DESCRIPTION
1	SIMAD	Pneumatic Drill
2	SIMDMB-NL	SIMTAP™ Drilling Machine Body with bleed-off port (combination body and 2" flare copper thread adapter)
3	SIMHW	Pilot Drill Hex Wrench
4	SIMDMBB-SS-NL	Stainless Steel Shaft with Dual Arbor
5	SIMDMAW	Adapter Wrench
6	SIMDMPD-NL	1/4" Coupon Retaining Pilot Bit
7	SIMDMTB	SIMTAP™ Drilling Machine Carrying Case
8	*SIMDRIVE-SS-NL	SIMTAP™ Drive Ring for use with 1-1/2" & 2" Hole Saws
9	SIMCE1-SS-NL	1/2" Coupon Extractor
	SIMCE2-SS-NL	5/8" Coupon Extractor
10	SIMDMHS-3-NL	11/16" Hole Saw
	SIMDMHS-4-NL	7/8" Hole Saw
	SIMDMHS-6-NL	1-3/8" Hole Saw
	SIMDMHS-7-NL	1-7/8" Hole Saw
	SIMDMA1-3-NL	3/4" Iron Pipe Thread Adapter (Red)
11	SIMDMA2-3-NL	3/4" Flare Copper Thread Adapter (Purple)
	SIMDMA1-4-NL	1" Iron Pipe Thread Adapter (Turquoise)
	SIMDMA2-4-NL	1" Flare Copper Thread Adapter (Grey)
	SIMDMA6-4-Q-NL	1" PEP Quick Joint Thread Adapter (Blue)
	SIMDMA1-6-NL	1-1/2" Iron Pipe Thread Adapter (Brown)
	SIMDMA2-6-NL	1-1/2" Flare Copper Thread Adapter (Orange)
	SIMDMA4-6-Q-NL	1-1/2" CTS Quick Joint Thread Adapter (Green)
	SIMDMA1-7-NL	2" Iron Pipe Thread Adapter (Gold)
	SIMDMA4-7-Q-NL	2" CTS Quick Joint Thread Adapter (Yellow)

* Requires newer model boring bar with flats and dimple / detent

Optional Items

CATALOG NUMBER	DESCRIPTION
SIMDMA1-5-NL	1-1/4" Iron Pipe Thread Adapter (Black)
SIMDMA1-8-NL	2-1/2" Iron Pipe Adapter (Silver)
SIMDMA2-5-NL	1-1/4" Flare Copper Thread Adapter (Pink)
SIMDMHS-5-NL	1-1/8" Hole Saw
SIMDMSC-3-PVC-NL	11/16" Shell Cutter for PVC
SIMDMSC-4-PVC-NL	7/8" Shell Cutter for PVC
SIMDMSC-5-PVC-NL	1-1/8" Shell Cutter for PVC
SIMDMSC-6-PVC-NL	1-3/8" Shell Cutter for PVC
SIMDMSC-7-PVC-NL	1-7/8" Shell Cutter for PVC
SIMDMBB-285-SS-NL	Stainless Steel Shaft with Dual Arbor - 28-1/2" Long

INSIDE METER SETTINGS

CATALOG SECTION B - NUMBERING SYSTEM

TYPE OF INDOOR SETTER

PB = Plumbhorn - *for new services*

KH = Kornerhorn *

DH = Drophorn *

PH = Pretzelhorn *

KHVB = Kornerhorn* with Integral Ball Valve

KHVBH = Kornerhorn* with Integral Ball Valve and Single Check Valve

KHVBHH = Kornerhorn* with Integral Ball Valve and Cascading Dual Check Valve

KHVBHC = Kornerhorn* with Integral Ball Valve and Cartridge Dual Check Valve

* Requires removable Pack Joint assemblies to attach setter to existing service line (two per setter).

A = Meter Parallel to Service Line
B = Meter Perpendicular to Service Line

DROP (meter set below the service line)

18 = 18"

24 = 24"

30 = 30"

36 = 36"

METER SIZE

1 = 5/8"

2 = 5/8"x3/4"

3 = 3/4"

4 = 1"

Drophorn Information Only

NO-LEAD

D H - 2 A-24 - NL

C H 4 4 - 3 3 3 - G - NL

CH = Copperhorn
- for new services

VCH = Valve Copperhorn
- for new services

METER SIZE

1 = 5/8"

2 = 5/8"x3/4"

3 = 3/4"

4 = 1"

NO-LEAD

TYPES OF INLETS - OUTLETS (one end - other end)

- 1** = Female Iron Pipe Thread (double purpose on valve copperhorns)
- 2** = Flare Copper Tube Nut
- 4** = Pack Joint for Plastic Pipe or Copper Tube (CTS)
- 5** = Pack Joint for Iron Pipe
- 6** = Pack Joint for PE Pipe
- 7** = Pack Joint for PVC Pipe (Schedule 40 & 80)
- 8** = Male Iron Pipe Threads
- S** = Solder Connection

SIZE OF INLETS - OUTLETS (one end - other end)

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

- G** = Grip Joint options
3/4" - 2" CTS and
3/4" and 1" PEP
- LS** = Less Swivels with Swivel Nuts
- Q** = Quick Joint

Note: Convex (male) double purpose ends are standard.

For concave (female) double purpose ends use prefix **CHFSWxx-xxx-NL**.

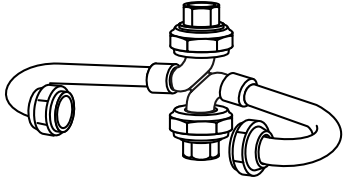
Note: See item listings in catalog section to ensure desired sizes and options are available.

INSIDE METER SETTINGS

CATALOG SECTION B - PRODUCTS

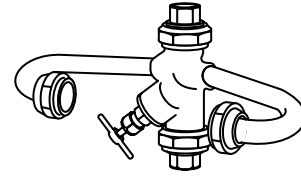
Copperhorns

For metering *new* services



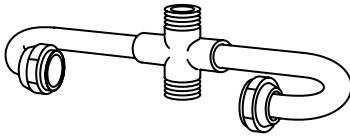
Valve Copperhorns

For metering *new* services



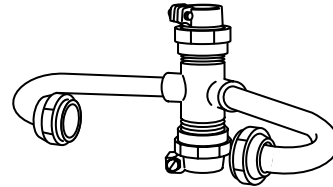
Plumbhorns

For metering *new* services



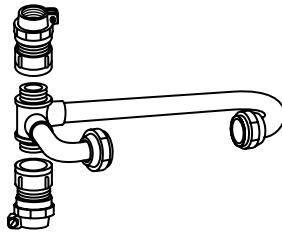
Handyhorns

For metering *new or existing* services
(setters with integral inlet - outlet
Pack Joint connections)



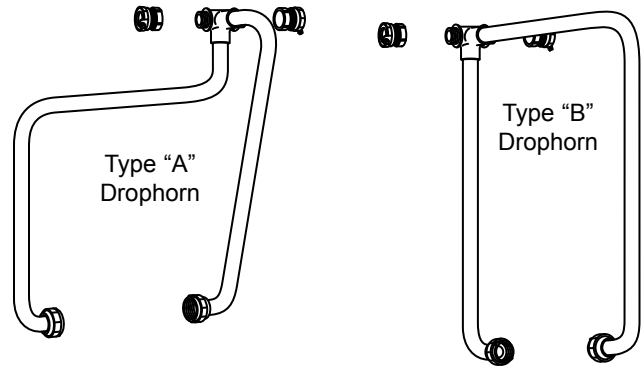
Kornerhorns

For metering *existing* services
(setters with removable & interchangeable valves
and Pack Joint connections, sold separately)



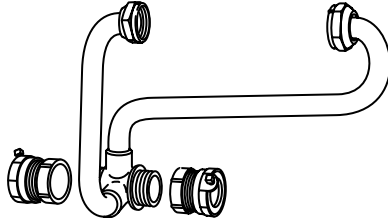
Drophorns

For metering *existing* services
(setters with removable & interchangeable valves
and Pack Joint connections, sold separately)



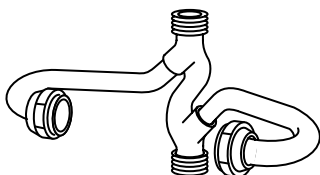
Pretzelhorns

For metering *existing* services
(setters with removable & interchangeable valves
and Pack Joint connections, sold separately)



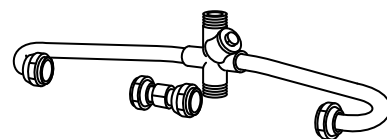
Basement Resetters

For *existing* meter services



Wall Setters / Tandem Indoor Settings

For special metering applications



METER BOXES

CATALOG SECTION C - NUMBERING SYSTEM

METER BOX TYPE

- CB** = Crescent Box
- DG** = Double Gulfbox
- DGHC** = Long Double Gulfbox with Cartridge Dual Check Valve
- G** = Gulfbox
- GHC** = Long Gulfbox with Cartridge Dual Check Valve
- LYLB** = Single Ball Valve Long Yokebox with Cartridge Dual Check Valve ◇
- LYLBB** = Double Ball Valve Long Yokebox with Cartridge Dual Check Valve ◇
- LYLV** = Single Key Valve Long Yokebox with Cartridge Dual Check Valve ◇
- LYLVV** = Double Key Valve Long Yokebox with Cartridge Dual Check Valve ◇
- YL** = Shallow Yokebox ◇
- YLB** = Shallow Ball Valve Yokebox ◇
- YLBHC** = Shallow Ball Valve Yokebox with Cartridge Dual Check Valve ◇
- YLHC** = Shallow Yokebox with Cartridge Dual Check Valve ◇
- YM** = Deep Yokebox
- YMB** = Deep Ball Valve Yokebox
- YMBHC** = Deep Ball Valve Yokebox with Cartridge Dual Check Valve
- YMHC** = Deep Yokebox with Cartridge Dual Check Valve
- YS** = Extra Shallow Key Valve Yokebox
- YSB** = Extra Shallow Ball Valve Yokebox
- YSBHC** = Extra Shallow Ball Valve Yokebox with Cartridge Dual Check Valve

OPTIONAL

- G** = Grip Joint Connections
- K** = "Linesaver" Upper Body Casting
- LL** = Lockless Lid
- P** = Plastic Lid
- PB** = Plastic Lid with ERT Bracket (bracket option not for "YS" Yokebox)
- PLB** = Plastic Lid with large ERT Bracket (bracket option not for "YS" Yokebox)
- P4** = 4" Plastic Riser
- RL** = Reading Lid (hinged cast iron flap)
- RW** = Reclaimed Water Lettering on Lid
- RWC** = Reclaimed Water Lettering on Purple Lid
- SP** = Spacer in lieu of Dual Check Valve for Long Yokebox
- T** = Electronic Meter Reading Lid, 2" hole
- TP** = Electronic Meter Reading Lid, 2" hole with removable plug
- U-NA** = Ultra-Tite Compression (not assembled)

◇ For plastic upper section add a "P". Example: *LYLBP*

P = Optional Plastic Upper Section, Shallow Boxes Only (LYL or YL Yokeboxes only)

JP = Optional Enlarged Plastic Upper Section and Lid (YL or YM Yokebox only)

METER SIZE

- 1 = 5/8"
- 2 = 5/8"x3/4"
- 3 = 3/4"
- 4 = 1"

Y L B J P 1 2 2 - 2 3 3 - T - N L

SERVICE LINE POSITION

- 1 = Straight Inlet & Outlet
- 2 = Angle Inlet & Straight Outlet
- 3 = Angle Inlet & Outlet
- 4 = Straight Inlet & Angle Outlet

TYPE OF INLET - OUTLET

- 1 = Female Iron Pipe Threads or Double Purpose Connection
- 2 = Flare Copper Tube Nut
- 4 = Pack Joint for Plastic or Copper
- 5 = Pack Joint for Iron Pipe
- 6 = Pack Joint for PE Pipe
- 7 = Pack Joint for PVC Pipe (Schedule 40 & 80)
- 8 = Male Iron Pipe Threads

SIZE OF INLET - OUTLET

- 1 = 1/2"
- 2 = 5/8"
- 3 = 3/4"
- 4 = 1"

NO-LEAD

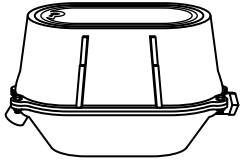
Note: See item listings in this catalog section to ensure desired sizes and options are available.

METER BOXES

CATALOG SECTION C - PRODUCTS

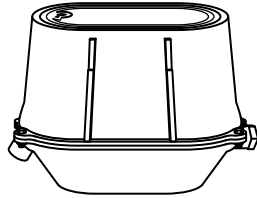
Yokeboxes for 5/8" and 5/8"x3/4" Meters

Yokeboxes are available with a variety of options and configurations including a straight or angle inlet. Outlet cartridge dual check valves are also available on Long Yokebox and Long Double Gulfbox styles.



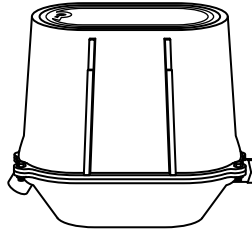
EXTRA SHALLOW TYPE (YS)

For modern magnetic or multi-jet meters
(center line of meter
5" below grade)



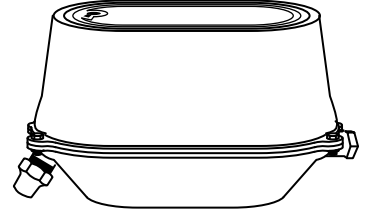
SHALLOW TYPE (YL)

(center line of meter
8" below grade)



DEEP TYPE (YM)

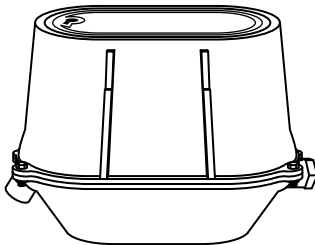
(center line of meter
10" below grade)



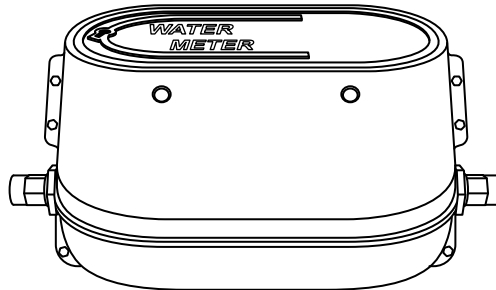
LONG YOKEBOX (SHALLOW)

(with a cartridge dual check
valve included, located
completely within the Yokebox)

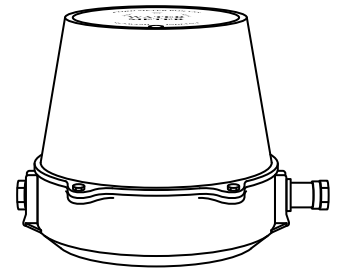
**YOKEBOXES FOR
3/4" METER**



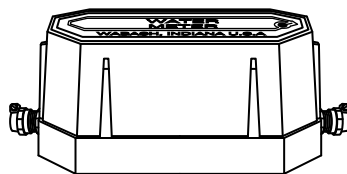
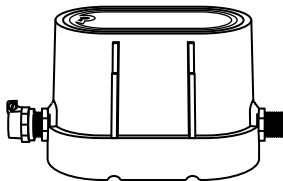
LONG YOKEBOXES FOR 1" METER
(Cartridge dual check valve within the Yokebox)



**YOKEBOXES FOR
1" METER**



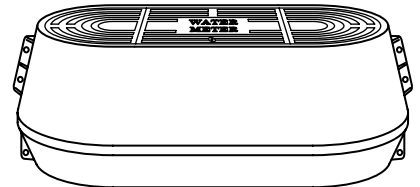
GULFBOXES FOR 5/8" AND 5/8"x3/4" METER



"Long Gulfboxes" are available for
use when a cartridge dual check
valve is required.

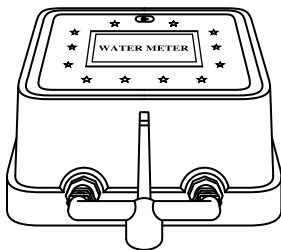
PROTECTOR METER BOXES

For 1-1/2" and 2" meters



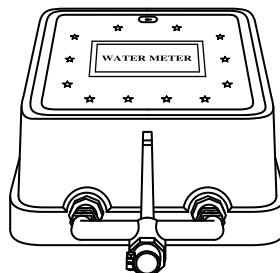
DOUBLE GULFBOXES

For 5/8" and 5/8"x3/4" meters



LONG DOUBLE GULFBOXES

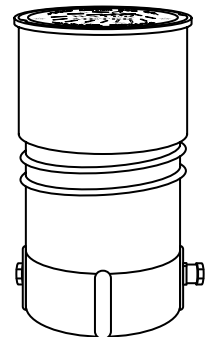
For 5/8" and 5/8"x3/4" meters



"Long Double Gulfboxes" are
available for use when cartridge dual
check valves are required.

CRESCENT BOXES

Grade adjustable boxes for
5/8", 5/8"x3/4", 3/4" and 1" meters



METER BOX COVERS

CATALOG SECTION D - NUMBERING SYSTEM

15" - 21" Meter Pit Covers

TYPE OF COVER

- 32B** = Adjustable Cover 11-1/2" Lid, 18" Pit Diameter
- A** = Recessed Single Lid Cover (4" depth)
- A32C** = Spiked Cover 11-1/2" Lid, 18" Pit Diameter
- C** = Overlapping Single Lid Cover (4" depth)
- KA** = Flat Cover with Inset Lid
- PMBC** = Overlapping Single Lid Plastic Cover (4" depth)
- W** = Wabash Double Lid Cover (10" depth)
- X** = Overlapping Single Lid Hinged Cover (4" depth)

TYPE OF TOP LID OR FRAME

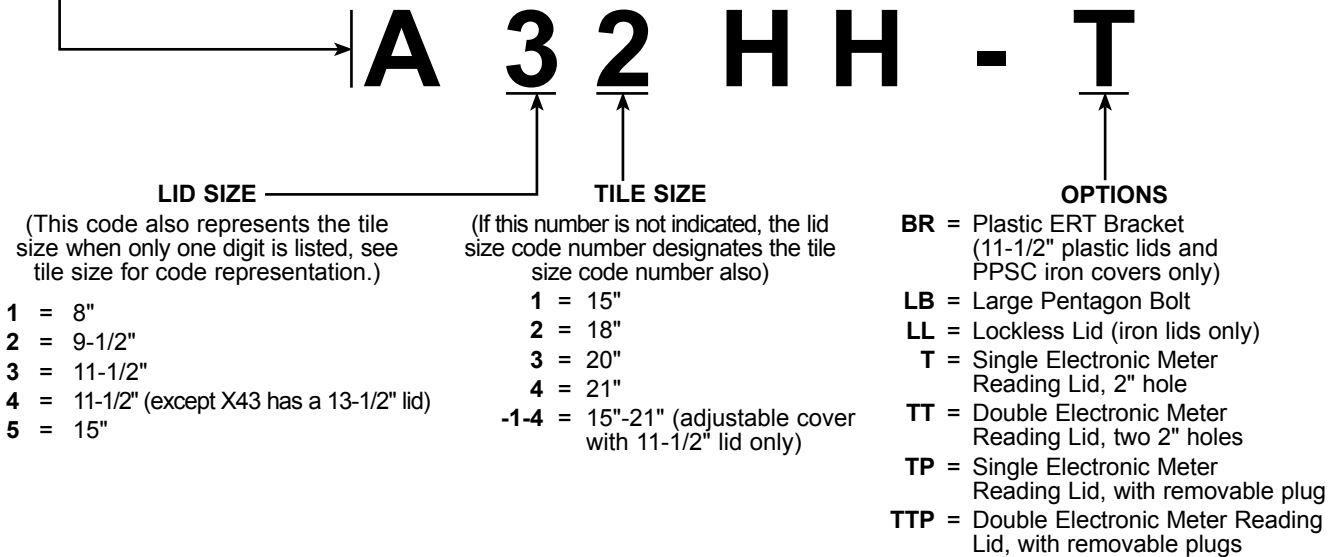
- C3** = Special Spiked & Adjustable Top Lid *ONLY*
- CX** = Type "C" or Type "X" Plastic Top Lid *ONLY*
- *F** = Frame Only
- WA** = Wabash, Type "A", Type "KA" Top Lid *ONLY*

LID ONLY AND/OR LID THICKNESS

- A** = Aluminum Inner Lid with W3 cover instead of plastic
- D** = Recessed Plastic Inner Lid for W Style Cover with 11-1/2" lid opening - Standard with Plastic Lids and Iron Lids with T-read holes
- H** = Extra Heavy Lid
- L** = Lid Only, Without Frame. The "L" will need to appear with all LID ONLY part numbers.
- P** = Locking Plastic Lid (11-1/2" size only)
- PR** = Plastic Inset Lid (11-1/2" size only) - only on W, A and KA Style Lids

FRAME ONLY

- HH** = Double Extra Heavy Frame with Extra Heavy Lid for Style A only



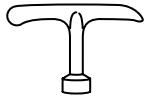
Note: See item listings in catalog section to ensure that desired sizes and options are available.

* "F" placed before cover type code designates "Frame Only"

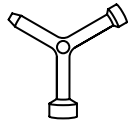
METER BOX COVERS

CATALOG SECTION D - PRODUCTS

Keys for Covers and Valves, Worm Lock Parts, Insulating Blankets and Disks



Key Nos. 1 & 1-B



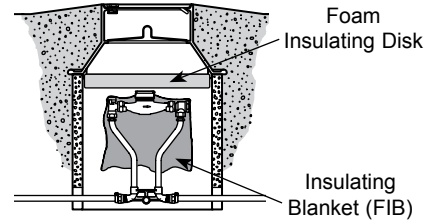
Key No. 2



Key No. 3



Key No. 4

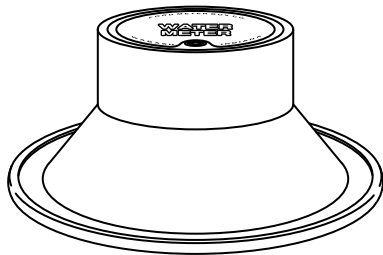


Foam Insulating Disk

Insulating Blanket (FIB)

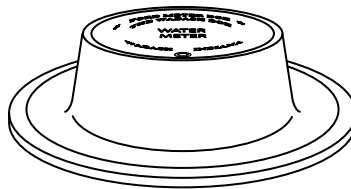
Wabash Double Lid Covers

Inset style top lid plus inner lid for frost protection, 10" cover depth



Type "A" Single Lid Covers

Inset style top lid, 4" cover depth



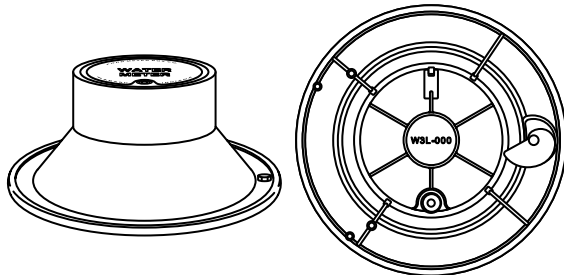
Type "C" Single Lid Covers

Overlapping style top lid, 4" cover depth



Adjustable Wabash Double Lid Covers

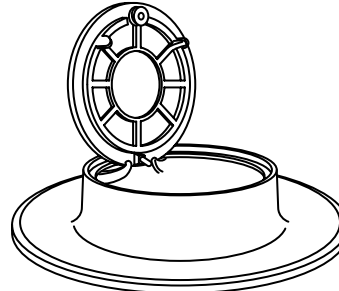
Inset style top lid plus inner lid for frost protection, 10" cover depth. One cover adapts to 15", 18" 20" or 21" tile or pipe.



Bottom View

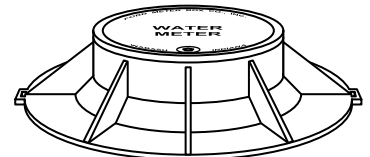
Type "X" Single Lid Covers

Overlapping style top lid with hinged lid support on frame, 4" cover depth



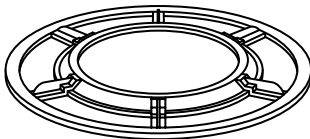
PMBC-3 Plastic Single Lid Cover

Overlapping style top lid, 4" cover depth



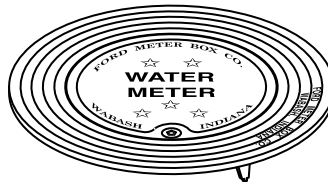
Extension Rings

For Wabash, "A," "C," or "X" type covers



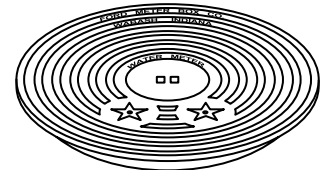
Flat Meter Box Covers

Type "KA" flat covers with inset style lids



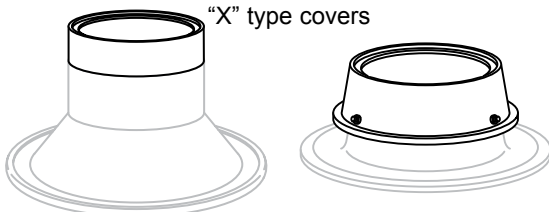
One Piece Flat Covers

(no separate top lid)



Elevator Rings

For Wabash and "A" and "C" and "X" type covers



Adjustable Cover

Inset style top lid with adjustable frame height, 3-1/4"–6-1/2" cover depth



Inset Style Top Lid with Anchor Spikes on Frame

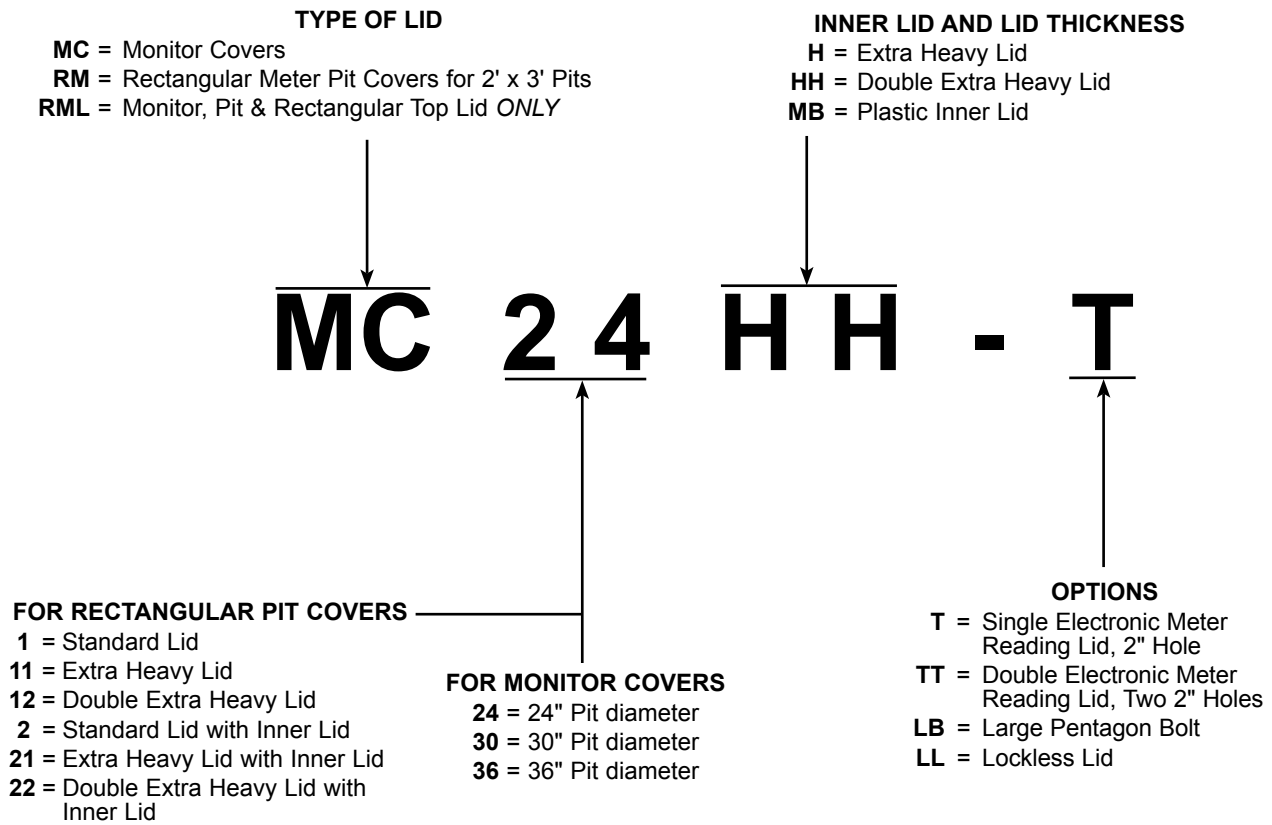
4" cover depth



METER BOX COVERS - *CONTINUED*

CATALOG SECTION D - NUMBERING SYSTEM

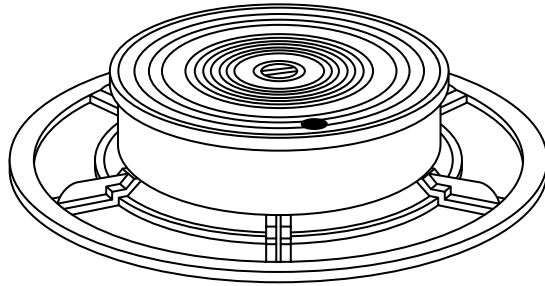
24" and Larger Meter Pit Covers



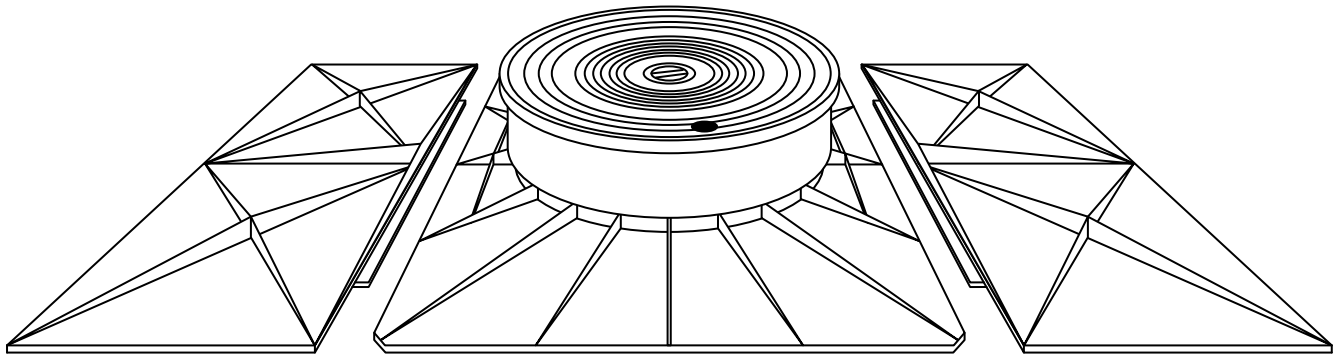
Note: See item listings in catalog section to ensure that desired sizes and options are available.

METER BOX COVERS - *CONTINUED*
CATALOG SECTION D - PRODUCTS

Monitor Covers
(for large settings)

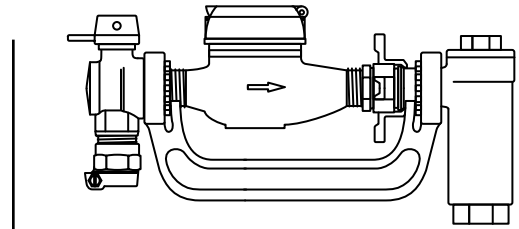
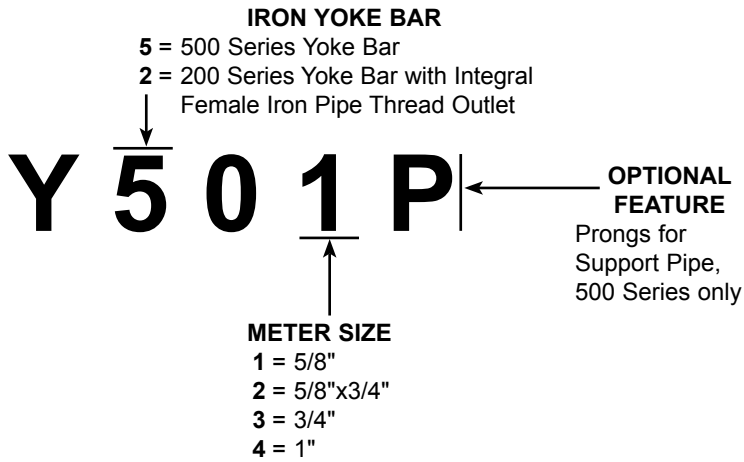


Rectangular Meter Pit Covers



METER YOKES

CATALOG SECTION E - NUMBERING SYSTEM



Example of a complete yoke meter setting using a 500 Series Yoke Bar, an angle ball inlet valve, standard expansion connection and an angle cartridge dual check outlet valve.

TYPE OF INLET OR OUTLET VALVE/FITTING

- AV = Angle Key Yoke Valve
- B = Straight Ball Valve
- BA = Angle Ball Valve
- *C = Straight Coupling
- GA = Angle Compression Valve
- HA = Angle Check Valve
- HHA = Cascading Style Angle Dual Check Valve
- HHCA = Cartridge Style Angle Dual Check Valve ▲
- HHCH = Cartridge Style Straight Dual Check Valve ▲
- HHS = Cascading Style Straight Dual Check Valve
- HS = Straight Check Valve
- *L = 90° Elbow
- SG = Straight Compression Valve

* Valve size code number is not applicable
NOTE: All Ford Check Valves are accessible for inline maintenance unless otherwise indicated.
▲ Cartridges are available with enhanced chlorine/ chloramine resistance, insert "CR" into catalog number. Example HHCA~~CR~~- 323W-NL.

YOKE PARTS & OPTIONS

OPTIONAL FEATURES

- D = Drain/Test Valve
- G = Grip Joint Connection (3/4" - 2" CTS and 3/4" and 1" PEP)
- Q = Quick Joint
- R = 360° Rotation of Tee Head
- TD = Drain/Test Valve on Top of Fitting
- TW-Q = CTS Quick Joint Water Tracer Wire Terminal
- U-AWT = Ultra-Tite (consists of components assembled watertight)
- W = Padlock Wings



TYPE OF INLETS - OUTLETS (one end - other end)

- 1 = Female Iron Pipe Threads
- 2 = Flare Copper Tube Nut
- 3 = Meter Nut or Flange
- 4 = Pack Joint for Plastic or Copper Tube (CTS)
- 5 = Pack Joint for Iron Pipe
- 6 = Pack Joint for PE Pipe
- 7 = Pack Joint for PVC Pipe (Schedule 40 & 80)
- 8 = Male Iron Pipe Threads
- 9 = Yoke Nose

VALVE SIZE

- 2 = 5/8"
- 3 = 3/4"
- 4 = 1"

METER SIZE

- 1 = 5/8"
- 2 = 5/8"x3/4" and 3/4"
- 4 = 1"

NO-LEAD

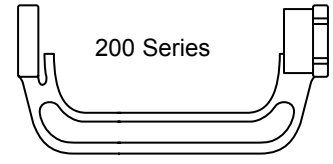
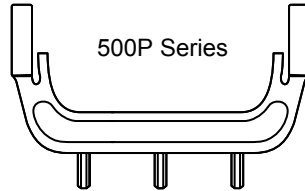
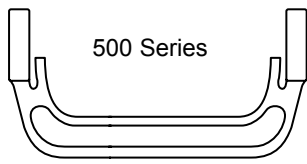
SERVICE LINE SIZE

- 1 = 1/2"
- 3 = 3/4"
- 4 = 1"

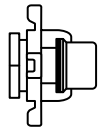
METER YOKES

CATALOG SECTION E - PRODUCTS

Iron Yoke Bars



Yoke Expansion Connections

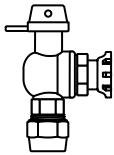


Standard

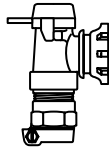


Wrench Type

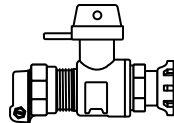
Inlet Valves for Yokes



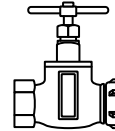
Angle Ball Valve



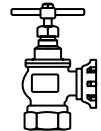
Angle Key Valve



Straight Ball Valve

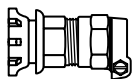


Straight Compression Valve

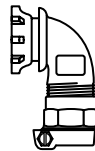


Angle Compression Valve

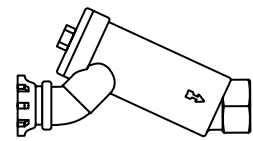
Outlet Pieces and Check Valves for Yokes



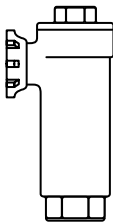
Straight Outlet Piece



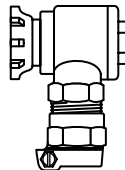
EII



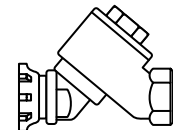
Straight Cartridge Dual Check Valve



Angle Cartridge Dual Check Valve

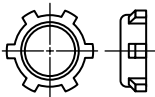


Angle Dual Check Valve



Straight Dual Check Valve

Lock Nuts, Lock Caps, Wrenches, Gaskets and Special Parts



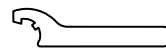
Lock Nuts



Gaskets



Lock Caps



Spanner Wrench



Expansion Connection Wrench

COPPERSETTERS, LINESETTERS AND RESETTERS

CATALOG SECTION F - NUMBERING SYSTEM

* Type of Meter Inlet Valve and Outlet Valve

- V = inlet key valve & no outlet valve
 - VV = inlet key valve & outlet key valve
 - VVG = inlet key valve & compression outlet valve
 - VH = inlet key valve & outlet single check valve
 - Δ VHH = inlet key valve & outlet cascading dual check valve
 - **VHC = inlet key valve & outlet cartridge dual check valve
 - VB = inlet ball valve & no outlet valve
 - ***VBB = inlet ball valve & outlet ball valve
 - VBG = inlet ball valve & outlet compression valve
 - VBH = inlet ball valve & outlet single check valve
 - Δ VBHH = inlet ball valve & outlet cascading dual check valve
 - **VBHC = inlet ball valve & outlet cartridge dual check valve
 - T = "T" in front of the catalog number indicates a tandem style setter
- * Coppersettors can be ordered less valves by omitting the above letters from the catalog number.
- ** Cartridges with enhanced chlorine/chloramine resistance are available. Add "CR" to end of alpha code.
Example: VHCCR72-15W-44-33-NL
- *** The 5/8" port angle ball valve is a one-way directional valve designed for the inlet side of the meter and should not be used as a customer shut-off on the customer side of the meter.

Meter Size

- 1 = 5/8" meter
- 2 = 5/8"x 3/4" meter
- 3 = 3/4" meter
- 4 = 1" meter
- 6 = 1-1/2" flanged meter
- 7 = 2" flanged meter

Setter Height (approximate)

- 7 = 7" high setter
- 8 = 8" high setter
- 9 = 9" high setter
- 10 = 10" high setter
- 12 = 12" high setter
- Setters above 12" are made in 3" increments

5/8" thru 1" Coppersettors only

- W = Angle Meter Ball and Key Valves are **with** Padlock Wing Compression valve **without** Padlock Wing

1-1/2" and 2" Coppersettors only

- B = Bypass
- HB = High Bypass
- BHC = Bypass with dual check
- HBHC = High Bypass with dual check (1-1/2" & 2" only)

Service Line Connection Size

- | | Inlet | Outlet |
|---|--------|--------|
| 1 | 1/2" | |
| 3 | 3/4" | |
| 4 | 1" | |
| 5 | 1-1/4" | |
| 6 | 1-1/2" | |
| 7 | 2" | |

-NL = No Lead alloy ▲

V72 - 12W - 44 - 33 - G - NL

Type of setter

- 7 = 70 series coppersetter with horizontal inlet and outlet
- 27 = 270 series coppersetter with detachable pack joint assemblies for 5/8", 5/8" x 3/4", 3/4" and 1" meter
- 8 = 80 series coppersetter with vertical inlet and outlet
- 7-8 = 70-80 series coppersetter with vertical inlet and horizontal outlet
- 9 = 90 series coppersetter with horizontal inlet and outlet for 5/8", 5/8" x 3/4", 3/4" and 1" meter
- 4 = 40 series resetter to use when meter connections are available in existing services
- 3 = 30 series flexible resetter to use when meter nuts are available in existing services for 5/8", 5/8"x3/4", 3/4" and 1" meter

Inlet Outlet

- ### Service Line Connection Type
- 1 = Double Purpose Union Swivel (FIP for 1-1/2" & 2" Coppersettors)
 - 2 = Flare Copper
 - 4 = Pack Joint for CTS
 - 6 = Pack Joint for PE Pipe
 - 7 = Pack Joint for PVC Pipe (Schedule 40 & 80)
 - 8 = Male Iron Pipe Union Swivel
 - F = Integral Female Iron Pipe (female iron pipe union swivel may be used when integral FIP is not available.)
 - M = Integral Male Iron Pipe Thread

Options

- G = Grip nut compression fitting instead of pack joint nut. Available with CTS (3/4" - 2") and PE Pipe (3/4" & 1")
- Q = Quick Joint
- TP6 = 1-1/2" Integral Test Port on Dual Check Valve for 1-1/2" and 2" Coppersettors with a shut-off valve below the Dual Check Valve
- TW-Q = CTS Quick Joint with Tracer Wire Terminal Ultra-Tite available with 3/4" and 1" CTS and PE Pipe (contact factory for pricing)
- U = Ultra-Tite available with 3/4" and 1" CTS and PE pipe where listed

90 Series Options

- A = 15" Outlet Extension
- B = 18" Outlet Extension
- C = Bolted Clamp
- E = Brace Eye
- F = 15" Outlet Extension and Bolted Clamp
- H = 15" Outlet Extension and Brace Eye
- J = 18" Outlet Extension and Bolted Clamp
- K = 18" Outlet Extension and Brace Eye

Δ Angle cascading dual check valve contains 3/4" internal components. This valve meets the ASSE flow requirements of a 1" valve. For a full port valve order the cartridge style check valve.

Note: A complete list of inlet and outlet options on following page.

Note: 5/8" x 3/4", 3/4" and 1" setters with angle ball valve will have a reduced port that usually provides suitable water flow. A full port ball valve is available at an additional cost; add "-FP" to end of catalog number and contact the factory for pricing.

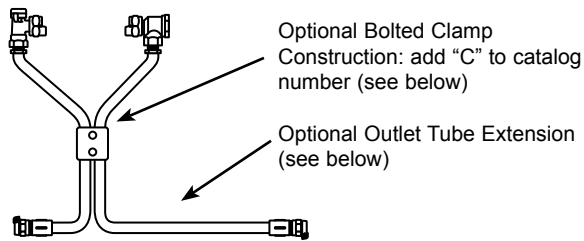
▲ Ford Meter Box no-lead brass products manufactured from UNS/CDA No. 89833 alloy shall contain no more than 0.25% total lead content by weight. United States federal and state laws allow the use of products manufactured from UNS C83600 85-5-5-5 brass alloy for only non-potable water systems within the 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.

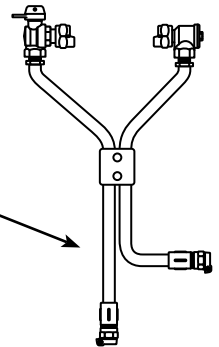
Parties responsible for monitoring and maintaining proper water system design must exercise full responsibility in understanding and upholding the full intent and scope of applicable lead laws.

Note: Many products in this section are non-stock, non-returnable and subject to cancellation charges.

OPTIONS FOR 90 SERIES COPPERSETTERS



Optional Vertical Inlet
Construction: add "Z" to catalog number (see below)



OPTION	EXTENSION TO CATALOG NUMBER
OPTIONS FOR 5/8", 5/8" x 3/4", 3/4" AND 1" 90 SERIES COPPERSETTERS	
Brace Eye	Add "E" to Cat. No.
Bolted Clamp Construction	Add "C" to Cat. No.
15" Outlet Tube Extension	Add "A" to Cat. No.
15" Outlet Tube Extension and Brace Eye	Add "H" to Cat. No.
15" Outlet Tube Extension and Bolted Clamp	Add "F" to Cat. No.
18" Outlet Tube Extension	Add "B" to Cat. No.
18" Outlet Tube Extension and Brace Eye	Add "K" to Cat. No.
18" Outlet Tube Extension and Bolted Clamp	Add "J" to Cat. No.

NOTE: To order the above options with the Coppersetter; add the catalog number extension letter to the 90 Series Coppersetter number.

Example: V92-24W-11-33A-NL is a 5/8"x3/4" 90 Series Coppersetter with 3/4" double purpose union swivel service line connections and an optional 15" outlet tube extension.

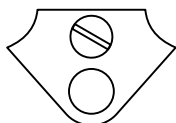
INLET TUBE OPTIONS FOR 90 SERIES COPPERSETTERS

OPTION	COPPERSETTER SIZE	INLET TUBE OPTION CODE
INLET TUBE OPTIONS FOR 5/8" AND 5/8" x 3/4" 90 SERIES COPPERSETTERS		
15" Inlet Tube Extension	5/8" & 5/8" x 3/4"	Add "P" to Cat. No.
18" Inlet Tube Extension	5/8" & 5/8" x 3/4"	Add "S" to Cat. No.
Vertical Inlet	5/8" & 5/8" x 3/4"	Add "Z" to Cat. No.
INLET TUBE OPTIONS FOR 3/4" 90 SERIES COPPERSETTERS		
15" Inlet Tube Extension	3/4"	Add "P" to Cat. No.
18" Inlet Tube Extension	3/4"	Add "S" to Cat. No.
Vertical Inlet	3/4"	Add "Z" to Cat. No.
INLET TUBE OPTIONS FOR 1" 90 SERIES COPPERSETTERS		
15" Inlet Tube Extension	1"	Add "P" to Cat. No.
18" Inlet Tube Extension	1"	Add "S" to Cat. No.
Vertical Inlet	1"	Add "Z" to Cat. No.

NOTE: To order above inlet tube options, place catalog inlet tube option code directly left of any other option extension from the top table of options.

Example: V92-24W-11-33ZA-NL has a vertical inlet and a 15" extended outlet.

BRACE EYE (NOT FACTORY ASSEMBLED) FOR 90 SERIES COPPERSETTERS



Brace Eye

OPTION	Catalog Number
Brace Eye on 5/8" & 5/8" x 3/4" sizes	BRE-92
Brace Eye on 3/4" size	BRE-93
Brace Eye on 1" size	BRE-94

NOTE: The brace eye options listed as BRE-92, BRE-93 and BRE-94 above are NOT factory assembled on the Coppersetter and are for field installation.

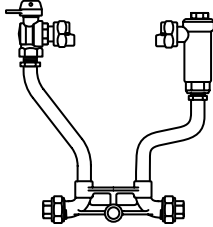
COPPERSETTERS, LINESETTERS AND RESETTERS

CATALOG SECTION F - PRODUCTS

Coppersettors

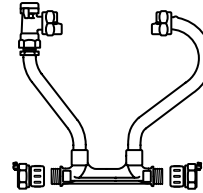
70 Series Coppersettors

For 5/8", 5/8"x3/4", 3/4" & 1" meters



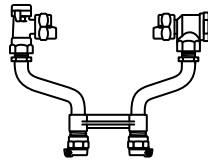
270 Series Coppersettors

With removable Pack Joint assemblies for 5/8", 5/8"x3/4", 3/4" & 1" meters



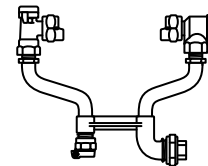
80 Series Coppersettors

With vertical inlet and outlet for 5/8", 5/8"x3/4", 3/4" & 1" meters



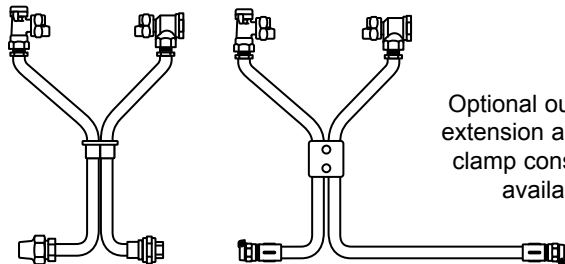
70-80 Series Coppersettors

With vertical inlet and horizontal outlet for 5/8", 5/8"x3/4", 3/4" & 1" meters



90 Series Coppersettors

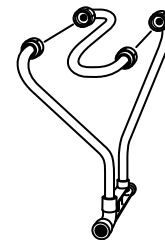
For 5/8", 5/8"x3/4", 3/4" & 1" meters



Optional outlet tube extension and bolted clamp construction available.

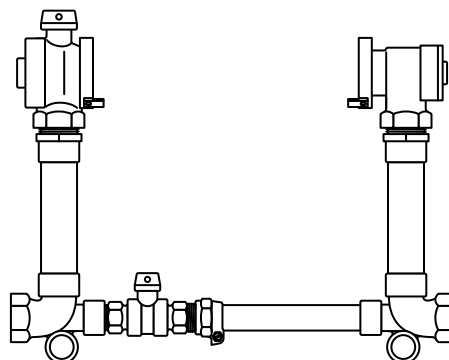
Tandem Coppersettors & Resetters

For 5/8", 5/8"x3/4", 3/4" & 1" meters



1-1/2" and 2" Coppersettors

For 1-1/2" and 2" flanged meters



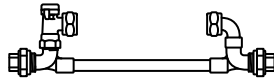
Shown with standard by-pass. Optional high by-pass is available.

COPPERSETTERS, LINESETTERS AND RESETTERS

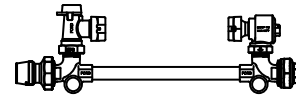
CATALOG SECTION F - PRODUCTS

Linesetters

For 5/8", 5/8"x3/4" and 3/4" meters



For 1" meters

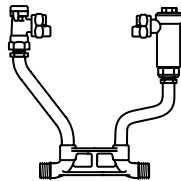


Brace eyes are standard on all linesetters for 1" meters.

Resetters - For Resetting Meter in an Existing Service

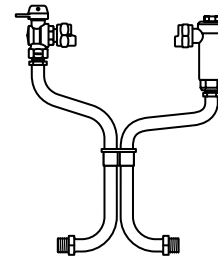
40 Series Resetter

For 5/8", 5/8"x3/4", 3/4" and 1" meters



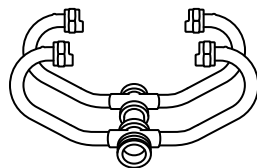
30 Series "Flexible" Resetter

For 5/8", 5/8"x3/4", 3/4" and 1" meters



Tandem Resetter

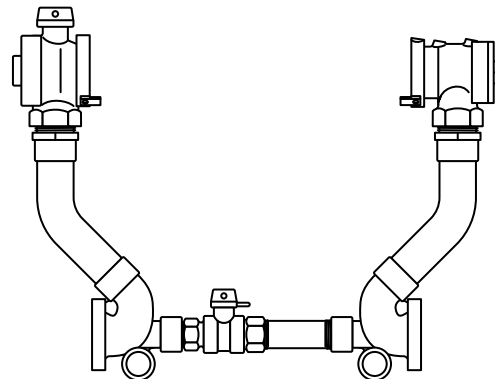
For 5/8", 5/8"x3/4", 3/4" and 1" meters



B Style Tandem Resetter

1-1/2" & 2" Resetter

For flanged meters



Shown with standard by-pass.

PLASTIC PIT SETTERS

CATALOG SECTION FA - NUMBERING SYSTEM

TYPE OF PLASTIC SETTER

- PS** = Standard for Single Lid Cover
- PD** = Standard for Double Lid Cover
- *PTS** = Tandem for Single Lid Cover
- *PTD** = Tandem for Double Lid Cover
- *PDS** = Dual Service for Single Lid Cover
- *PDD** = Dual Service for Double Lid Cover
- PM** = Pit Setter for Monitor Cover

(1-1/2" and 2" meter settings only)

* 20" pit recommended for 5/8"-3/4" meters
Not recommended for 1" meters

INLET VALVE TYPE

- **B** = Angle Ball Valve
- V** = Angle Key Valve
- ‡G** = Angle Compression Valve

METER SIZE

(INLET - OUTLET SIZE)

- 1 = 5/8" (3/4")
- 2 = 5/8" x 3/4" (3/4")
- 3 = 3/4" (3/4")
- 4 = 1" (1")
- 6 = 1-1/2" (1-1/2")
- 7 = 2" (2")

(The number in parentheses is the standard inlet-outlet size for a given meter size.)

PIT DIAMETER & DEPTH

- ★ 18-36 = 18" x 36"
- ★ 18-48 = 18" x 48"
- ★ 18-60 = 18" x 60"
- ★ 18-72 = 18" x 72"
- 20-36 = 20" x 36"
- 20-48 = 20" x 48"
- 20-60 = 20" x 60"
- 20-72 = 20" x 72"

- ❖ 36HB-36 = 36" x 36"
- ❖ 36HB-42 = 36" x 42"
- ❖ 36HB-48 = 36" x 48"
- ❖ 36HB-54 = 36" x 54"
- ❖ 36HB-60 = 36" x 60"
- ❖ 36HB-66 = 36" x 66"
- ❖ 36HB-72 = 36" x 72"
- ❖ 36HB-78 = 36" x 78"

★ Not available for 3/4" or 1" meters

❖ Available only for 1-1/2" and 2" meters.

PSBH-222-18-72-G-NL

OUTLET VALVE TYPE

- **B** = Angle Ball Valve
- V** = Angle Key Valve
- ‡G** = Angle Compression Valve
- H** = Angle Check Valve
- ΔHH** = Angle Cascading Dual Check Valve
- *** ‡HC** = Angle Cartridge Dual Check Valve

‡ Not available with 1-1/2" and 2" Pit Setters.

Δ Angle Cascading Dual Check Valve contains 3/4" internal components. This valve meets the ASSE flow requirements of a 1" valve. For a full port valve order the cartridge style check valve.

** The 5/8" port angle ball valve is a one-way directional valve designed for the inlet of the meter and should not be used as a customer shut-off on the customer side of the meter. 5/8"x3/4", 3/4" & 1" setters with angle ball valves will be reduced port, unless otherwise specified. Reduced port valves usually provide suitable water flow. Add "-FP" to the end of catalog number for full port.

*** Cartridges with enhanced chlorine/chloramine resistance are available. Add "CR" to the end of the alpha code. Example: PSBHCCR-344-20-36-NL. Cartridge style dual checks not available with 1-1/2" and 2" pit setters.

TYPES OF INLET- OUTLET (one end – other end)

- ‡2** = Flare Copper Tube Nut
- ‡4** = Pack Joint for Plastic or Copper Tube (CTS)
- 8** = Male Iron Pipe Threads

NL = No Lead

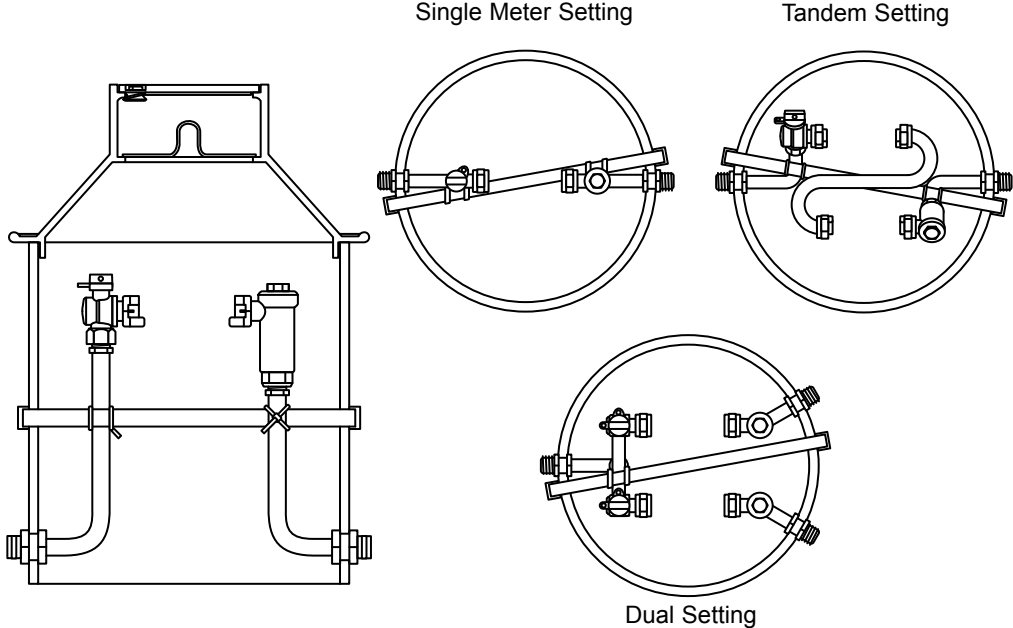
OPTIONS

-G = Grip Joint Connection

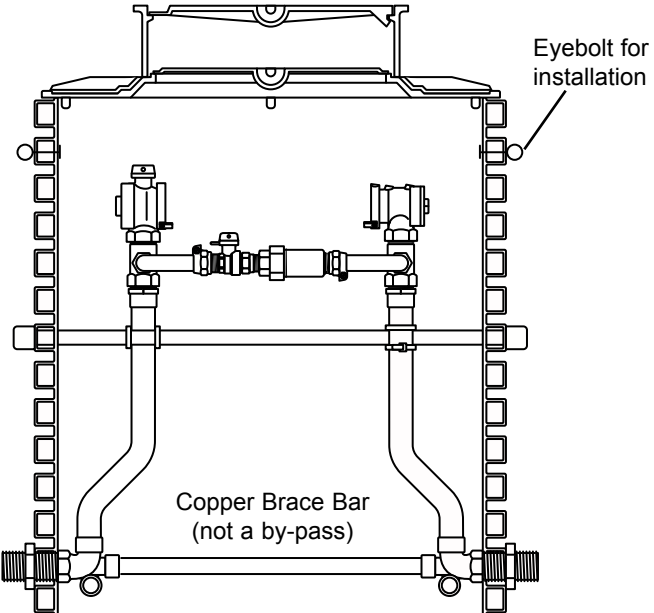
PLASTIC PIT SETTERS

CATALOG SECTION FA - PRODUCTS

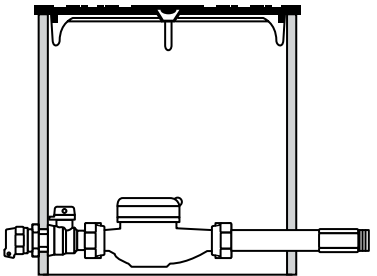
Pit Setter for 5/8", 5/8"x3/4", 3/4" & 1" Meter



Pit Setter for 1-1/2" and 2" Meters

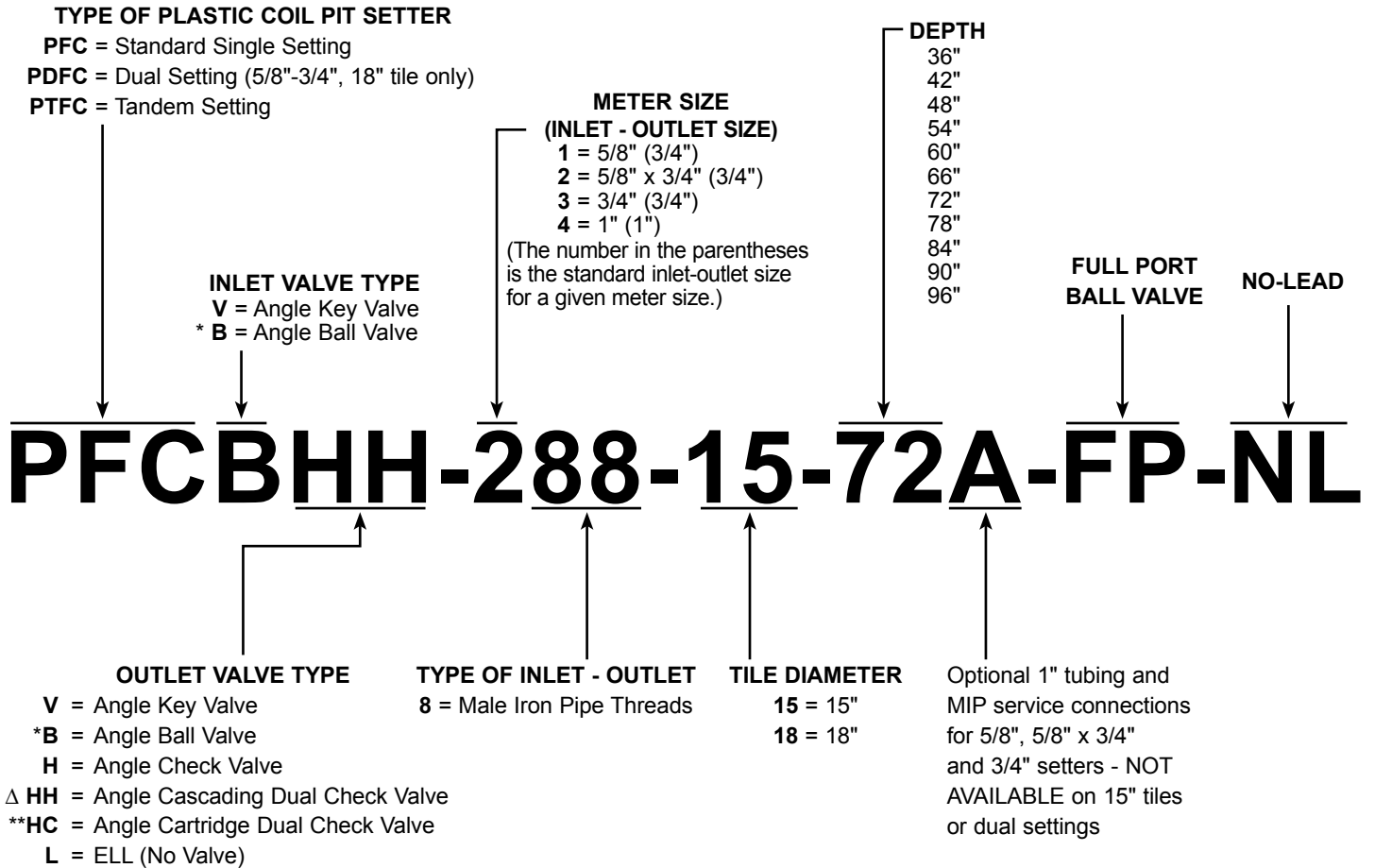


15" Diameter Style "K" Pitsetter
For 5/8"x3/4" Meters
(for moderate climates)



FORD COIL PIT SETTERS

CATALOG SECTION FA - NUMBERING SYSTEM



* Angle Ball Valve is a one-way directional valve designed for the inlet side of the meter and should not be used as a customer shut-off on the customer side of the meter. Setters with angle ball valves will be reduced port, unless otherwise specified. Reduced port valves usually provide suitable water flow for normal household usage. Add "-FP" to end of catalog number for full port.

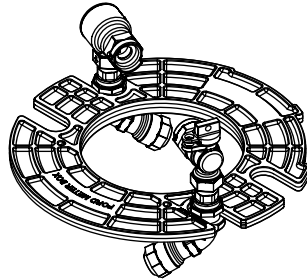
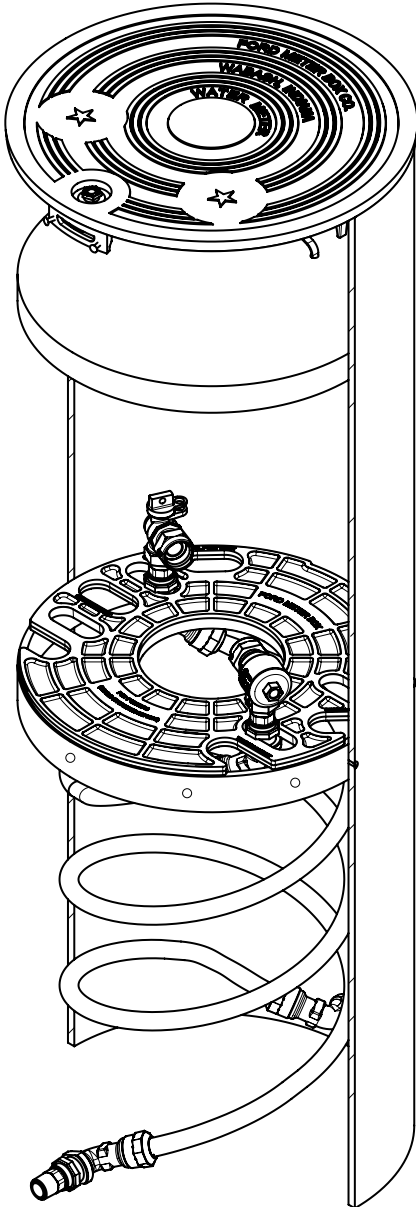
** 3/4" and 1" cartridges with enhanced chlorine/chloramine resistance are available. Insert "CR" at end of the alpha code. Example: PFCBHCCR-388-16-60-NL

Δ 1" Angle Cascading Dual Check Valve contains 3/4" internal components. This valve meets the ASSE flow requirements of a 1" valve. For a full port valve order the cartridge style check valve.

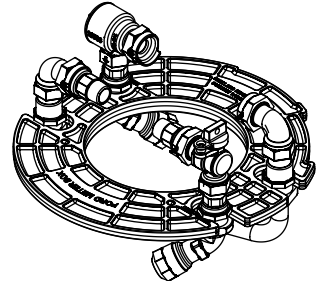
If PRV lengths are outside of range or have connections other than FNPT, contact factory for price and availability.

FORD COIL PITSETTER

CATALOG SECTION FA - PRODUCTS



**15" Single (5/8" x 3/4") Setting
Ball Valve by Dual Check Valve**



**15" Tandem Setting (5/8" x 3/4")
Ball Valve by Dual Check Valve**

STANDARD COIL PITSETTER PRV LENGTH RANGE

TILE SIZE AND METER SETTINGS	MIN	MAX
5/8" METER SETTING		
15" Tile	4-1/4"	5-1/4"
15" Tile with Full port ball valve	3-1/2"	4-1/2"
5/8" x 3/4" METER SETTING		
15" Tile	4"	4-3/4"
15" Tile with full port ball valve	3-3/8"	4-1/8"
18" Tile	4-1/2"	5-3/4"
18" Tile with full port ball valve	3-7/8"	4-7/8"
3/4" METER SETTING		
18" Tile	4-5/8"	6-5/8"
18" Tile with full port ball valve	4-1/8"	6-1/8"
1" METER SETTING		
18" Tile	4-1/4"	4-1/4"
18" Tile with full port ball valve	3-1/2"	3-3/4"

PRV lengths with connections other than FNPT or lengths outside of the range, please contact factory for price and availability

VALVES

CATALOG SECTION G - NUMBERING SYSTEM

TYPE OF VALVE

- AV = Angle Key Yoke Valve or Service Valve
- B = Ball Valve
- BA = Angle Ball Valve
- BF = Flanged Ball Valve
- BFA = Flanged Angle Ball Valve
- BL = Ball Valve (long)
- BH = 5/8" Ball Valve with a Heavy Tee-Head
- BRW = Reclaimed Water Tee-Head
- FV = Flanged Angle Key Valve
- KV = Angle Key Meter Valve
- SG = Straight Compression Valve
- SV = Straight Key Valve
- UV = Branch Key Valve Assembly
- UAV = Angle Branch Key Valve Assembly
- UVB = Branch Ball Valve Assembly
- UAVB = Angle Branch Ball Valve Assembly
- UVZS = Branch Key Curb Stop Assembly
- Z = Curb Stop (standard)
- ZL = Curb Stop (long)
- ZS = Curb Stop (short)
- ZX = 1/2" Curb Stop (plug style)

SIZE OF INLETS - OUTLETS

(one end - other end)

- 1 = 1/2" (or 5/8" meter nut)
- 2 = 5/8" (or 5/8"x3/4" and 3/4" meter nut)
- 3 = 3/4"
- 4 = 1"
- 5 = 1-1/4"
- 6 = 1-1/2"
- 7 = 2"
- 8 = 2-1/2"

METER NUTS

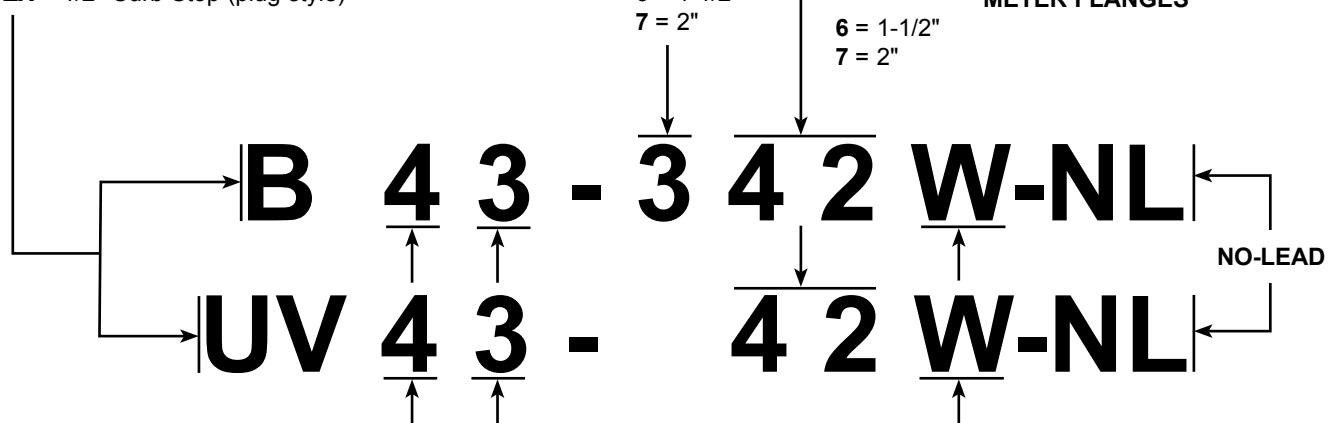
- 1 = 5/8"
- 2 = 5/8"x3/4" & 3/4"
- 4 = 1"

METER FLANGES

- 6 = 1-1/2"
- 7 = 2"

VALVE SIZE

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



TYPE OF INLETS - OUTLETS

(One End - Other End)

- 1 = Female Iron Pipe Threads
- 2 = Flare Copper Tube Nut
- 3 = Meter Nut or Flange
- 4 = Pack Joint for Plastic or Copper Tube (CTS)
- 5 = Pack Joint for Iron Pipe
- 6 = Pack Joint for PE Pipe
- 7 = Pack Joint for PVC Pipe (Schedule 40 & 80)
- 8 = Male Iron Pipe Threads
- 9 = Yoke Nose
- 0 = Female Copper Tube Nut Thread or 'Special'

OPTIONAL FEATURES

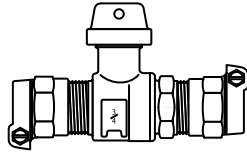
- D = Test/Drain Valve
- G = Grip Joint (for 3/4" - 2" CTS and 3/4" and 1" PEP)
- IDR7 = Inner Dimension Ratio for 1-1/2" and 2" PE Pipe
- M = Minneapolis Pattern
- NE = New England Threads
- OR = Open Right
- Q = Quick Joint
- R = (360° tee-head rotation)
- SW = Stop & Waste
- TW-Q = CTS Quick Joint with Tracer Wire Terminal
- U-AWT = Ultra-tite (component assembled watertight)
- W = Padlock Wing

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

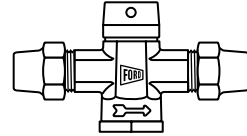
VALVES

CATALOG SECTION G - PRODUCTS

Curb Stops

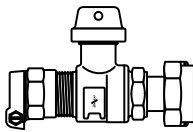


Ball Valve Curb Stops

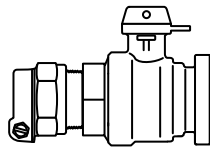


Inverted Key Curb Stops

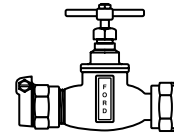
Straight Meter Valves



Ball Valves

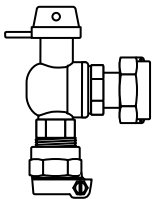


1-1/2" and 2" Flanged
Ball Valves

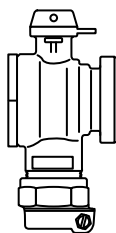


Compression Valves

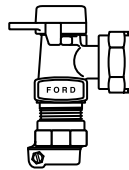
Angle Meter Valves



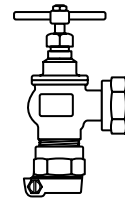
Ball Valves



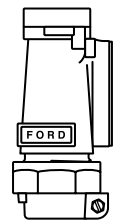
1-1/2" & 2" Flanged
Ball Valves



Key Valves



Compression Valves

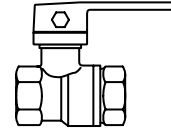
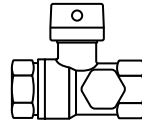
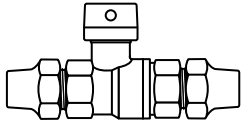


1-1/2" and 2" Flanged
Key Valves

VALVES

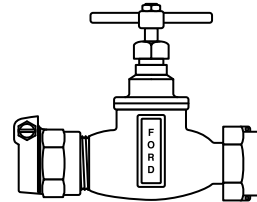
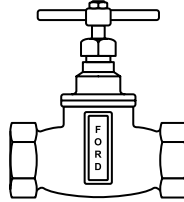
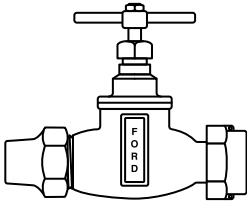
CATALOG SECTION G - PRODUCTS

5/8" Straight Ball Service Valves

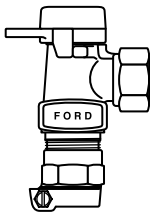


(some valves available with drain/test valve on outlet side of valves)

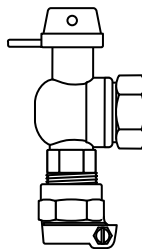
3/4" Straight Compression Globe Service Valves



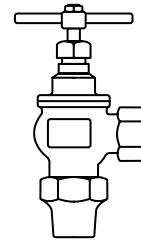
Angle Service Valves



Inverted Key Valves



Ball Valves



Compression Valves

FORD METER BOX OFFERS A VARIETY OF VALVE OPTIONS.

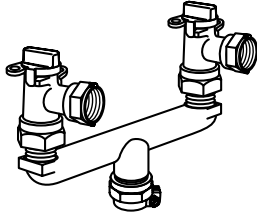
1. Padlock wings are available to allow locking valves in the closed position.
2. Curb Stops are available with a Minneapolis Pattern for threaded Curb Boxes.
3. Many ball valves are available with 360° tee-head rotation option.
4. Selected Ford valves are available with special "New England" iron pipe threads under flare nut.
5. Valves can be manufactured so the valve opens by turning the handle to the right or clockwise.
6. Valve handles are available for a variety of valves.
7. Lock caps for ball and key valves are available.
8. A gate valve operating nut is available.

VALVES

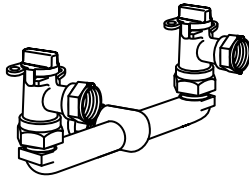
CATALOG SECTION G - PRODUCTS

Branch Assemblies and Angle Branch Assemblies

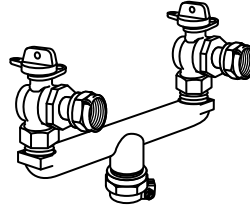
6-1/2" and 7-1/2" spacing between centers of valves



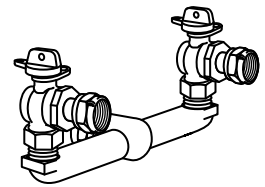
Branch Assembly
with Angle Key Valves



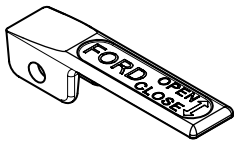
Angle Branch Assembly
with Angle Key Valves



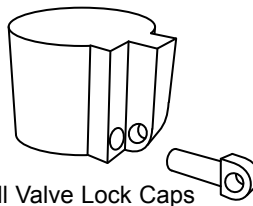
Branch Assembly
with Angle Ball Valves



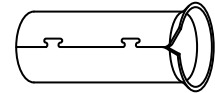
Angle Branch Assembly
with Angle Ball Valves



Handles for Ball Valves
and Inverted Key Valves

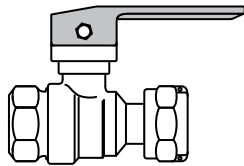


Ball Valve Lock Caps

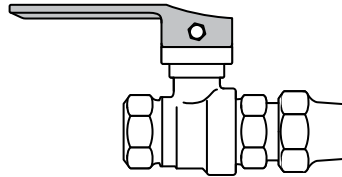


Insert Stiffeners

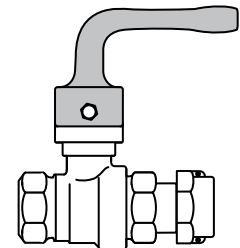
Valve Handles



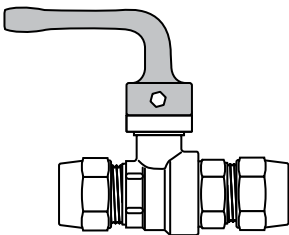
HB-2 for 5/8" Ball Valves
Straight and Angle



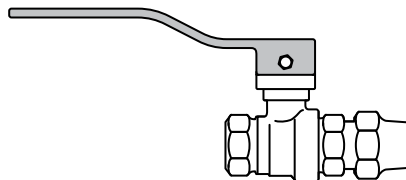
HB-34 (4-3/8") and **HB-34S** (3-3/8")
for 3/4" and 1" Ball Valves
Straight and Angle



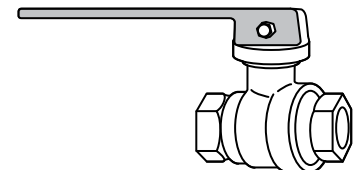
HH-34 for 3/4" and 1" Ball Valves
Straight and Angle



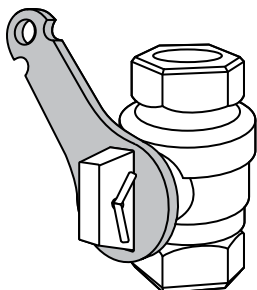
HS-4 for 1-1/4", 1-1/2" and 2"
Straight and Angle Ball Valves



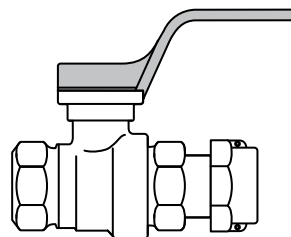
HH-67 for 1-1/4", 1-1/2" and 2"
Straight and Angle Ball Valves



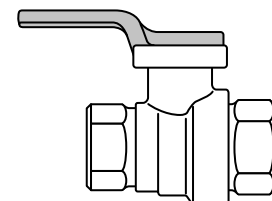
HB-67 (9-1/2" long) and **HB-67S** (4-7/8"
long) 1-1/4", 1-1/2" and 2" Ball Valves



HP-4 for use on Ball Valves
for Pitometer service



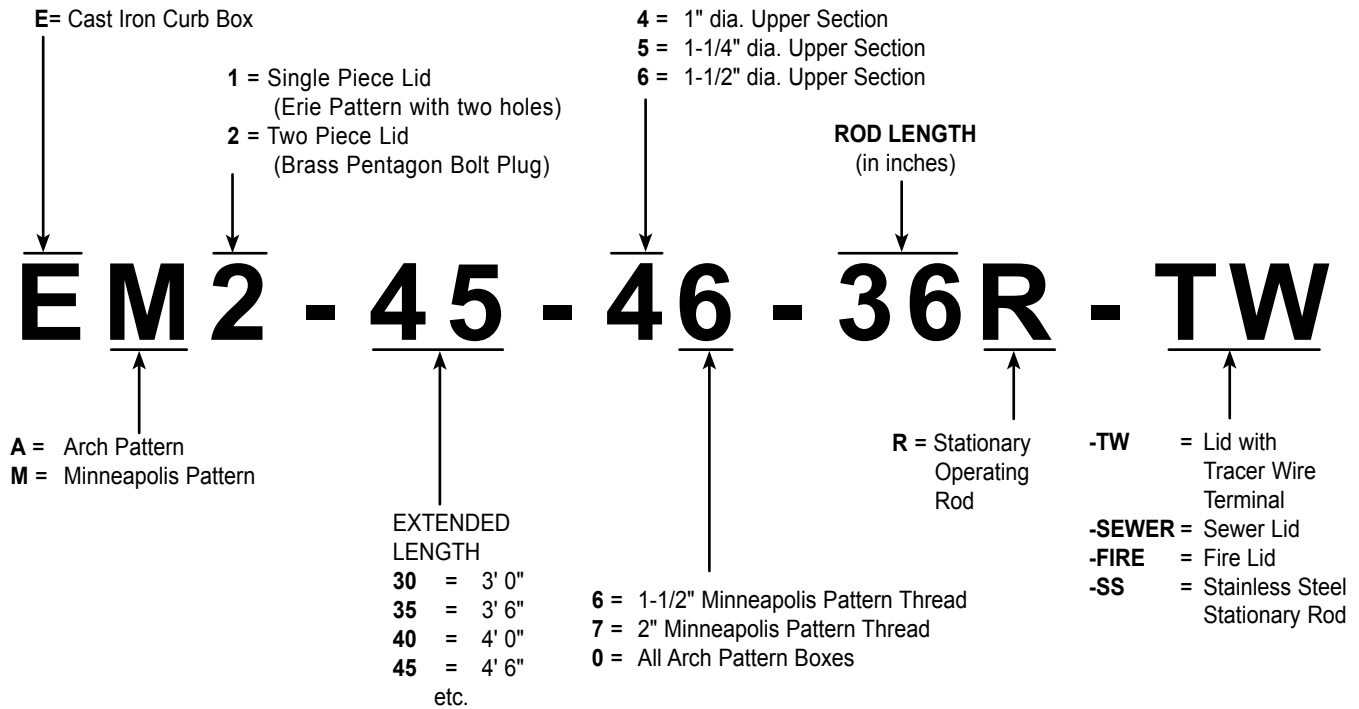
HT-34 for 3/4" and 1" Angle
Ball Valves and 3/4" and 1"
Straight Ball Valves.
(Factory assembled only)



HT-67S for 1-1/2" and 2"
Straight Ball Valves
(Factory assembled only)

FORD METER BOX CURB BOXES

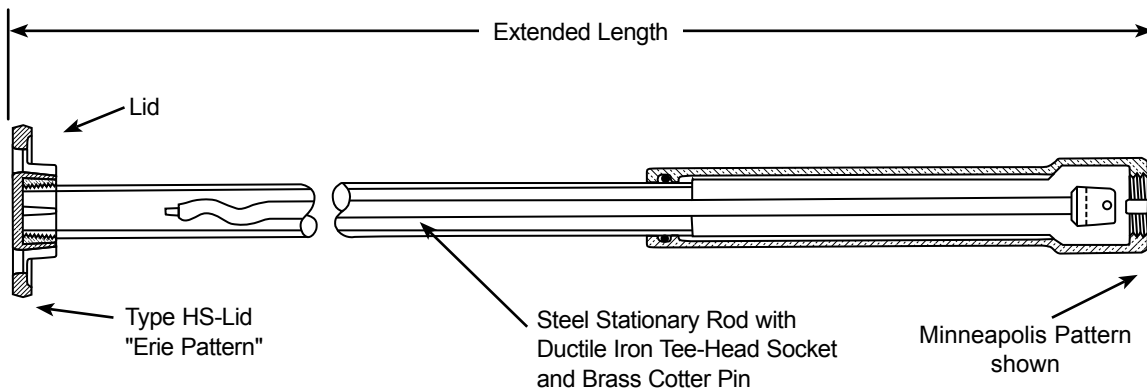
SECTION GA - NUMBERING SYSTEM



100 = 10'.0" (maximum length available)

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

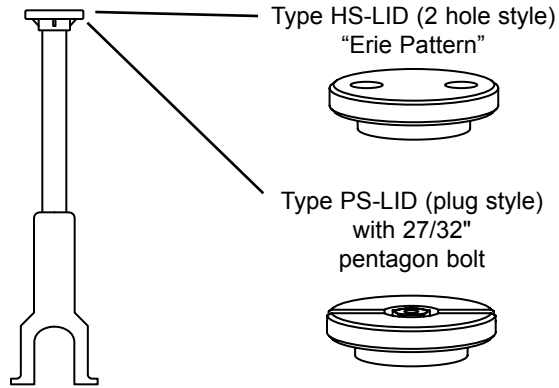
EM1-xx-46-xxR example below:



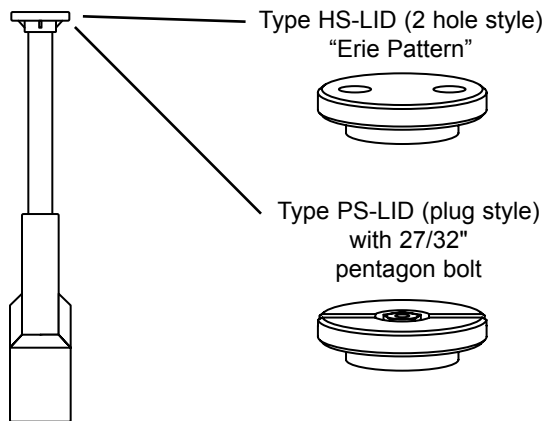
FORD METER BOX CURB BOXES

SECTION GA - PRODUCTS

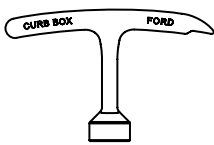
Arch Pattern Curb Boxes



Minneapolis Pattern Curb Boxes



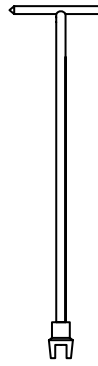
Stationary Rods, Shut-Off Rods and Parts for Curb Boxes



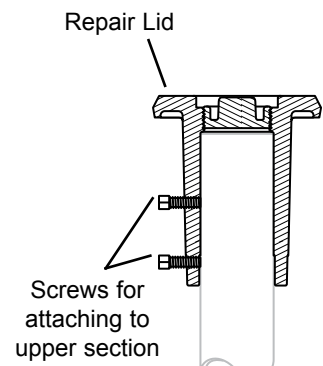
Curb Box
Key



Stationary Rod
(attaches to curb stop
with cotter pin)



Shut-off Rods
(for curb boxes with 1-1/4" &
1-1/2" upper section)



RL
Repair Lid for
PL Type

METER COUPLINGS AND ACCESSORIES

SECTION H - NUMBERING SYSTEM

TYPE OF COUPLING OR ACCESSORY

- C** = Straight Coupling
- CF** = Couplings for Flanged Meters
- CT** = Couplings for Tapped Meters
- L** = 90° Elbow
- LA** = Eighth Bend
- LF** = Flanged Ells
- TA** = Tapped Meter Adapter
- U** = Branch Piece (7-1/2" standard length)
- UA** = Angle Branch Piece (6-1/2" length)

Note: Separate meter nuts, gaskets, adapters and bushings are item specific - please refer to catalog for number.

SIZE OF INLETS - OUTLETS

(one end - other end)

- 1** = 1/2" (or 5/8" for meter nut)
- 2** = 5/8" (or 5/8"x3/4" and 3/4" for meter nut)
- 3** = 3/4"
- 4** = 1"
- 5** = 1-1/4"
- 6** = 1-1/2"
- 7** = 2"

METER CONNECTION SIZE

- 1** = 5/8"
- 2** = 5/8"x3/4" and 3/4"
- 4** = 1"
- 6** = 1-1/2"
- 7** = 2"

NO-LEAD

L 3 1 - 2 3 D - NL

TYPE OF INLETS - OUTLETS

(one end - other end)

- 1** = Female Iron Pipe Threads
- 2** = Flare Copper Tube Nut
- 3** = Meter Nut or Flange
- 4** = Pack Joint for Plastic or Copper Tube (CTS)
- 5** = Pack Joint for Iron Pipe
- 6** = Pack Joint for PE Pipe
- 7** = Pack Joint for PVC Pipe (Schedule 40 and 80)
- 8** = Male Iron Pipe Threads
- 0** = Female Copper Tube Nut Thread or 'Special'

OPTIONAL FEATURES

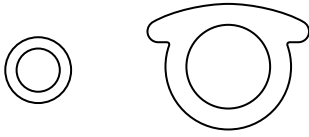
- D** = Test/Drain Valve
- G** = Grip Joint
- NE** = New England Threads
- Q** = Quick Joint
- (for indicated items)
- TW-Q** = CTS Quick Joint with Tracer Wire Terminal
- U-AWT** = Ultra-Tite (components assembled watertight)

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

METER COUPLINGS AND ACCESSORIES

SECTION H - PRODUCTS

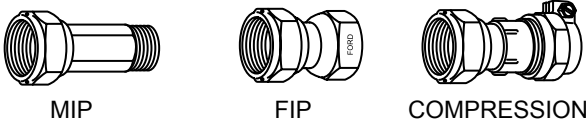
Meter Gaskets



Meter Coupling Nuts



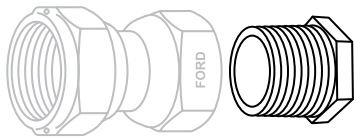
Straight Meter Couplings



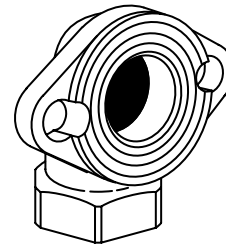
Angle Meter Couplings



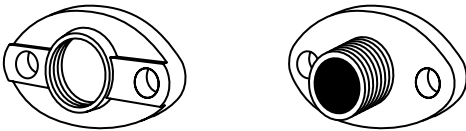
Dielectric Bushings (for insulating service lines)



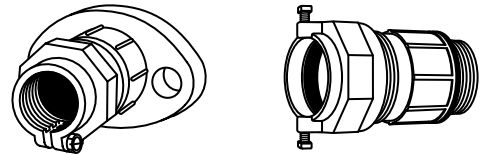
Flange Ells for 1-1/2" and 2" Meters



Bronze Meter Flanges



Lok-Pak Meter Couplings For 1-1/2" and 2" Meters



Meter Adapters

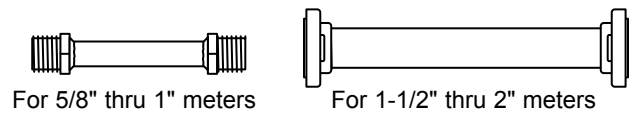


Adapt from 1" to 2" meter
with A47-NL adapter

Adapt from 1" to 5/8" meter
with A14-NL adapter

A VARIETY OF OTHER ADAPTERS ARE AVAILABLE

Meter Idlers



For 5/8" thru 1" meters

For 1-1/2" thru 2" meters

"U" Branch Pieces



CHECK VALVES, RETROSETTERS AND CUT-IN CHECK VALVES

CATALOG SECTION I - NUMBERING SYSTEM

TYPES OF *CHECK VALVES

- HA** = Angle Check Valve
- HHA** = Angle Cascading Dual Check Valve
- HHCA** = Angle Cartridge Style Dual Check Valve
- HHCACR** = Angle Cartridge Style Dual Check Valve (enhanced chlorine/chloramine resistance)
- HS** = Straight Check Valve
- HHS** = Straight Cascading Dual Check Valve
- HHC** = Straight Cartridge Style Dual Check Valve (not in-line accessible)
- HHCCR** = Straight Cartridge Style Dual Check Valve (enhanced chlorine/chloramine resistance)
- HHCH** = Straight Cartridge Style Dual Check Valve (in-line accessible)
- HHCHCR** = Straight Cartridge Style Dual Valve (in-line accessible) (enhanced chlorine/chloramine resistance)
- HFA** = Flanged Angle Check Valve
- HHFA** = Flanged Angle Dual Check Valve
- HFS** = Flanged Straight Check Valve

*Note: All Ford Check Valves are accessible for in-line maintenance unless otherwise indicated.

SIZE OF INLETS - OUTLETS (one end - other end)

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

METER CONNECTION SIZE

- 1** = 5/8"
- 2** = 5/8"x3/4" & 3/4"
- 4** = 1"
- 6** = 1-1/2"
- 7** = 2"

H H C A 3 4 - 3 2 3 - G - NL

TYPE OF INLETS - OUTLETS (one end - other end)

- 1** = Female Iron Pipe Threads
- 2** = Flare Copper Tube Nut
- 3** = Meter Nut or Flange
- 4** = Pack Joint for Plastic or Copper Tube (CTS)
- 5** = Pack Joint for Iron Pipe
- 6** = Pack Joint for PE Pipe
- 7** = Pack Joint for PVC Pipe (Schedule 40 & 80)
- 8** = Male Iron Pipe Threads
- 9** = Yoke Nose

VALVE SIZE

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

OPTIONAL FEATURES

- D** = Test/Drain Valve
- G** = Grip Joint
- TV** = Test/Drain Valve On Top Of Cartridge Dual Check Valve Access Cap
- Q** = Quick Joint
- TW-Q** = CTS Quick Joint with Tracer Wire Terminal
- U-AWT** = Ultra-Tite (components assembled watertight)

NO-LEAD

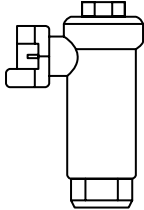
Note: See item listings in catalog section to ensure desired sizes and options are available

CHECK VALVES, RETROSETTERS AND CUT-IN CHECK VALVES

CATALOG SECTION I - PRODUCTS

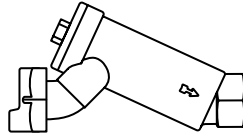
Angle Cartridge Style Dual Check Valves

HHCA Style (in-line accessible)



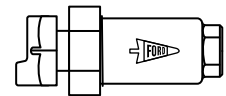
Straight Cartridge Style Dual Check Valves

HHCH Style (in-line accessible)



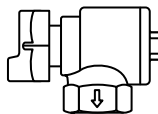
Straight Cartridge Style Dual Check Valves

HHC Style (not in-line accessible)



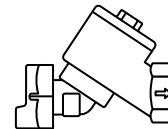
Angle Cascading Dual Check Valves

HHA Style (in-line accessible)



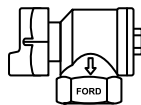
Straight Cascading Dual Check Valves

HHS Style (in-line accessible)



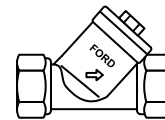
Angle Check Valves

HA Style (in-line accessible)



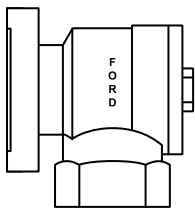
Straight Check Valves

HS Style (in-line accessible)

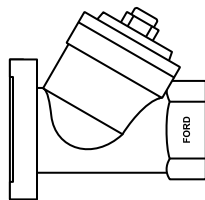


Single Check Valves with Flanged Inlet for 1-1/2" and 2" Meters

(in-line accessible)



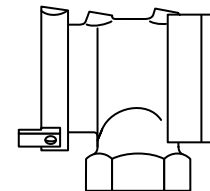
Angle Check Valves



Straight Check Valves

Dual Check Valves with Flanged Inlet for 1-1/2" and 2" Meters

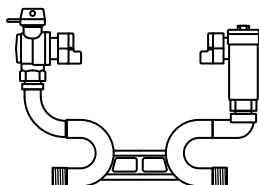
(in-line accessible)



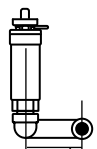
Angle Check Valves

Retrosetters

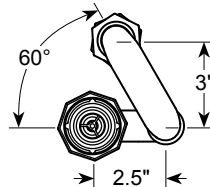
FOR RETRO-FITTING CHECK VALVES INTO AN EXISTING METER SERVICE



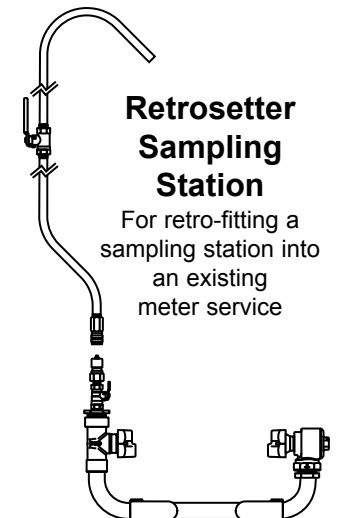
Style "B"



Style "C" Offset



RETRO-Z Style "E"
Fits inside Ford Yokebox or equal if ordered without inlet and outlet valves



Retrosetter Sampling Station

For retro-fitting a sampling station into an existing meter service

Check Valves for Kornerhorn and Special Applications

Check Valve Repair Kits - Internal working parts and gaskets

Cut-In Check Valve Assemblies for Ford Coppersetters and Reseters

(With "HA" & "HHA" style check valves)

COUPLINGS FOR PIPE AND TUBING

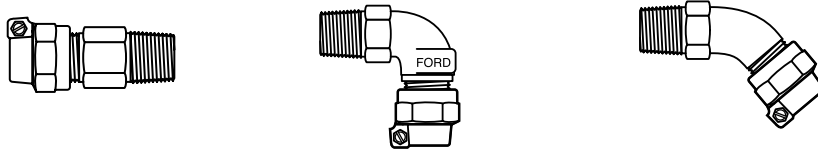
SECTION J - PRODUCTS

Ford Meter Box offers the largest variety of couplings in the water works industry including male and female iron pipe thread, flare copper, compression couplings for copper, iron, polyethylene, PVC and lead.

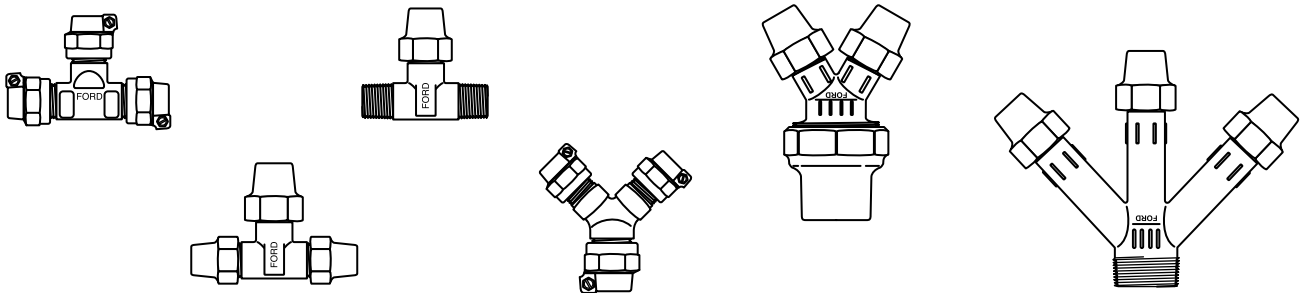
Note: Pack and Grip Joint Nuts are available for 3/4" through 2" CTS and 3/4" and 1" PE Pipe.

Note: Ultra-tite Connection and Quick Joint Nuts are available on selected couplings. See catalog for particular listings.

Straight Couplings, Ells and Eighth Bends



Tees and "Y" Branches



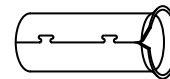
Lead-Pak Couplings

For joining various types of service line material to lead

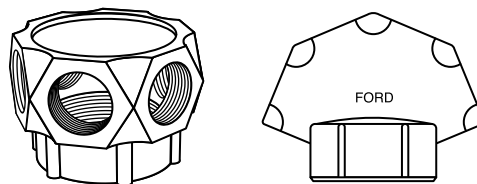


Insert Stiffeners

for PEP/IPS, HDPE Pipe or PET/CTS Tubing



Multi-Service Tees and "Y"s



CATALOG SECTION J CONTAINS A VARIETY OF ADDITIONAL ITEMS INCLUDING:

- Pack and Grip Joint Nuts and Parts
- Quick Joint Nuts and Parts
- CTS Quick Joint Nut with Tracer Wire terminal
- Copper Rounding Tools
- Copper Tube Nuts for flare connections
- Thaw wire copper tube nuts for flare copper connections
- Brass Bushings
- Reducing Couplings
- Brass Service Plugs
- Copper Disks to plug service at flare copper connections
- Copper gaskets for flare copper connections (for adapters which replace copper flare nut)
- Straight Insert Fittings for PE Plastic Pipe
- Ell Insert Fittings for PE Plastic Pipe
- Service Tee Insert Fitting for 1" PE Plastic Pipe
- Stainless Steel Clamps for PE Pipe
- Flare Nuts for PE Pipe (replaces copper flare nut)

TESTING EQUIPMENT

SECTION K - NUMBERING SYSTEM

TYPE OF TEST BENCH

- STB** = Standard Test Bench
- ITB** = Indianapolis Test Bench
- SATB** = Akron Test Bench for up to 17" long meters
- LATB** = Akron Test Bench for up to 21" long meters

1 1 0 ITB - DR - LR - AMS

NUMBER OF TEST UNITS

- 1** = 1 for Standard or Akron
- 2** = 2 for Standard or Akron
- 3** = 3 for Standard or Akron
- 4** = 4 for Standard or Akron
- 5** = 5 for Standard
- 6** = 6 for Standard
- 7** = 7 for Standard
- 8** = 8 for Standard
- 16** = 16 for Double Row Standard
- 20** = 20 for Double Row Standard
- 110** = 10 for Indianapolis
- 112** = 12 for Indianapolis
- 120** = 20 for Double Row Indianapolis
- 124** = 24 for Double Row Indianapolis

NUMBER OF ROWS

- DR** = Double Row
(omit for single row)

DIRECTION OF FLOW

- LR** = Left to Right
- RL** = Right to Left

OPTIONS

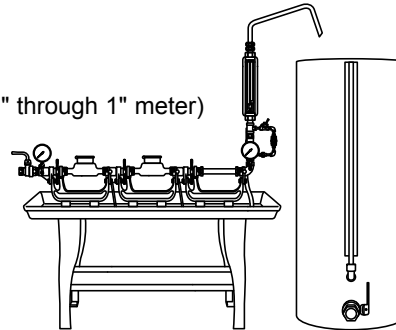
- AMS** = Automated Measuring System
- ECU** = Electronic Control Unit
- ASC** = Auto-Stop

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

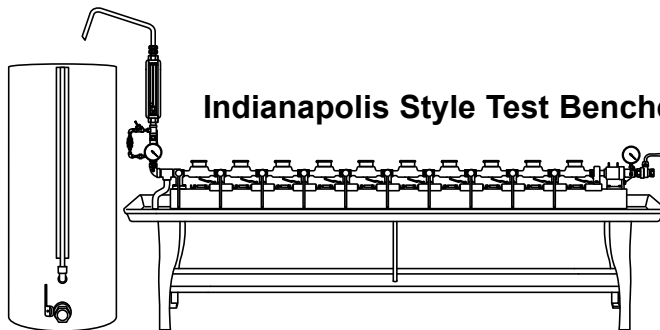
TESTING EQUIPMENT

SECTION K - PRODUCTS

Standard Test Benches (for 5/8" through 1" meter)

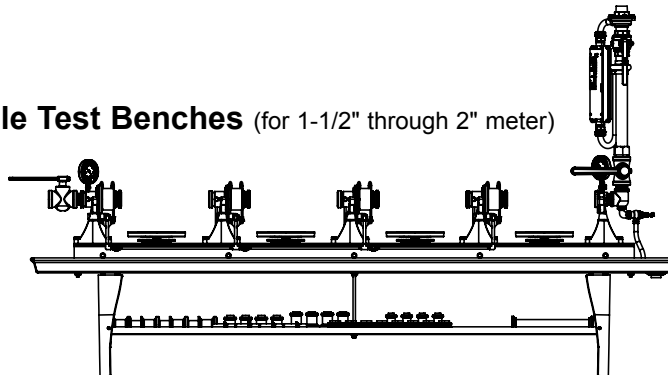


Indianapolis Style Test Benches (for 5/8" and/or 5/8"x3/4" meter or 5/8" through 1" meter)

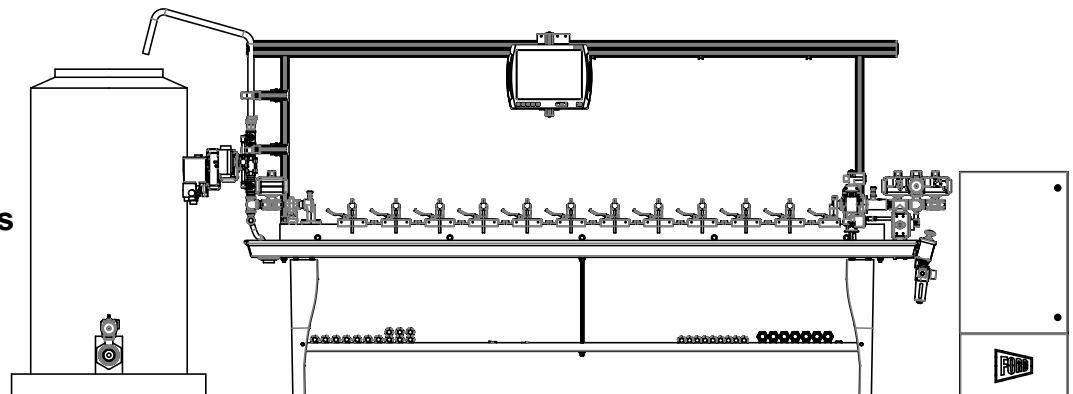


"Single Row" Indianapolis Style Water Meter Test Bench

Akron Style Test Benches (for 1-1/2" through 2" meter)



AMS Style Test Benches



OTHER ITEMS FOR WATER METER TESTING EQUIPMENT

- Automated Testing System
- Electric Valve Flow Control Equipment
- Calibrated Testing Tanks
- Parts for Standard Test Benches
- Parts for Indianapolis Test Benches
- Parts for Akron Test Benches

- Miscellaneous Tester and Tank Parts
- Meter Shop Accessories
- Tester Clamps for Testing Up To 6" Meters
- Automated Measuring System
- Auto-Stop

PIPE REPAIR PRODUCTS

SECTION L - NUMBERING SYSTEM

TYPE OF CLAMP

- F1** = Single Band Stainless Steel Clamp with Ductile Iron Lugs
- F2** = Double Band Stainless Steel Clamp with Ductile Iron Lugs
- F2W** = Special Range Double Band Stainless Steel Clamp with Ductile Iron Lugs
- F3** = Triple Band Stainless Steel Clamp with Ductile Iron Lugs
- FLS1** = Single Band Stainless Steel Repair Clamps with Drop-In Bolts
- FLS2** = Double Band Stainless Steel Repair Clamps with Drop-In Bolts
- FLS3** = Triple Band Stainless Steel Repair Clamps with Drop-In Bolts
- FP1** = Single Band Stainless Steel Clamp with Ductile Iron Lugs for HDPE Pipe
- FP2** = Double Band Stainless Steel Clamp with Ductile Iron Lugs for HDPE Pipe
- FP3** = Triple Band Stainless Steel Clamp with Ductile Iron Lugs for HDPE Pipe
- FS1** = Single Band All Stainless Steel Clamp
- FS2** = Double Band All Stainless Steel Clamp
- FS3** = Triple Band All Stainless Steel Clamp
- FSP1** = Single Band All Stainless Steel Clamp for HDPE Pipe
- FSP2** = Double Band All Stainless Steel Clamp for HDPE Pipe
- FSP3** = Triple Band All Stainless Steel Clamp for HDPE Pipe
- FACC** = Abandoned Corp Cap
- FSC** = Snap or Wrap Clamp
- FLSC** = All Stainless Steel Snap or Wrap Clamp
- FCC** = Repair Clamp for PVC Solvent Weld Coupling
- FBC** = Bell Joint Leak Clamp
- FIBC** = Repair Clamp for PVC Solvent Weld Integral Bell

CLAMP LENGTH

(Lengths are not required on styles

FACC, FBC, FCC and FIBC)

- 3** = 3" (FSC, FSC-R and FLSC only)
- 6** = 6" (FSC, FSC-R and FLSC)
- 75** = 7-1/2"
- 9** = 9" (FSC, FSC-R and FLSC only)
- 10** = 10"
- 12** = 12" (FSC, FSC-R and FLSC only)
- 125** = 12-1/2"
- 15** = 15"
- 20** = 20"
- 24** = 24"
- 30** = 30"

F S 1 - 9 3 9 - 1 5 - C C 4

O.D. SIZE

For most clamp styles, the O.D. size number indicates the top end of the range. Use listed catalog sizes.

OPTIONAL FEATURES

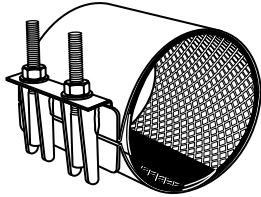
- | | |
|---|--|
| <ul style="list-style-type: none"> A = Long Starter Bolt CC3 = 3/4" AWWA Tapped Thread CC4 = 1" AWWA Tapped Thread CC5 = 1-1/4" AWWA Tapped Thread CC6 = 1-1/2" AWWA Tapped Thread CC7 = 2" AWWA Tapped Thread CS = Conductivity Strips EPDM = EPDM Rubber Gasket E3 = E-Coated Lugs
(F1, F2, F3, FCC and FIBC) | <ul style="list-style-type: none"> IP2 = 1/2" Iron Pipe Tapped Thread IP3 = 3/4" Iron Pipe Tapped Thread IP4 = 1" Iron Pipe Tapped Thread IP5 = 1-1/4" Iron Pipe Tapped Thread IP6 = 1-1/2" Iron Pipe Tapped Thread IP7 = 2" Iron Pipe Tapped Thread N = Buna-N Rubber Gasket R = Wrap Clamp, features a 360° gasket (for FSC & FLSC style clamps) R2 = Dual Armor Wrap Clamp with EPDM gasket (less dimples) SH = Stainless Steel Nuts & Bolts (for ductile lug clamps) |
|---|--|

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

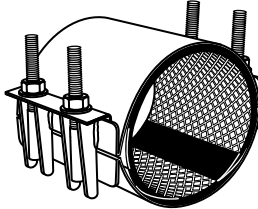
PIPE REPAIR PRODUCTS

SECTION L - PRODUCTS

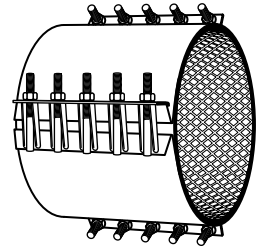
All Stainless Repair Clamps



Style FS1 Single Band
(FSP1 for HDPE)



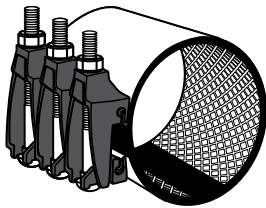
Style FS2 Double Band
(FSP2 for HDPE)



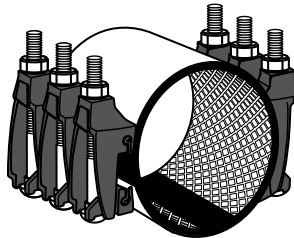
Style FS3 Triple Band
(FSP3 for HDPE)

Fordflex Repair Clamps

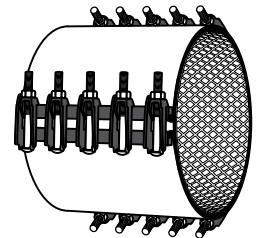
Stainless Steel Sleeve with Heavy Duty Ductile Iron Lug Construction



Style F1 Single Band
(FP1 for HDPE)

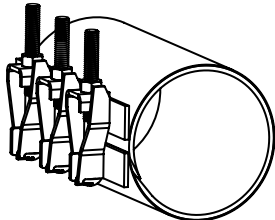


Style F2 Double Band
(FP2 for HDPE)

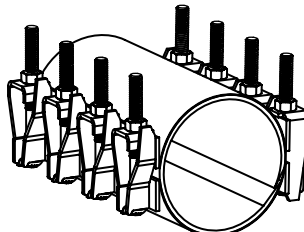


Style F3 Triple Band
(FP3 for HDPE)

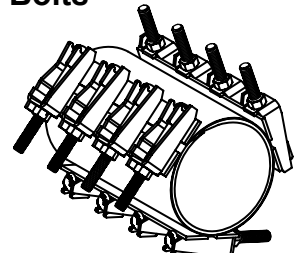
All Stainless Steel Repair Clamps with Removable Bolts



Style FLS1



Style FLS2

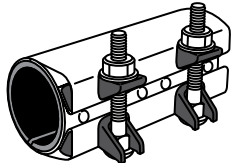


Style FLS3

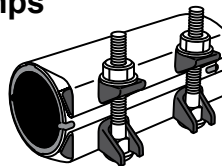
Snap Clamps & Wrap Clamps



Style FSC



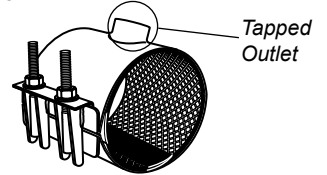
Style FSC "-R"
featuring a 360° gasket



Style FSC "-R2"
featuring a 360° gasket

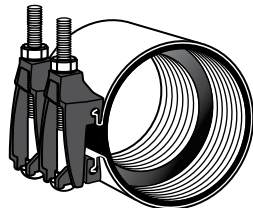
Tapped Outlet - Available on all Repair Products

3/4" through 2" Taps IP, CC/AWWA or BSP

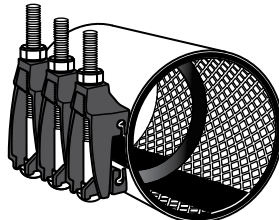


Coupling & Integral Bell Clamp for PVC

Style FCC
(Schedule 40
Solvent Weld PVC)

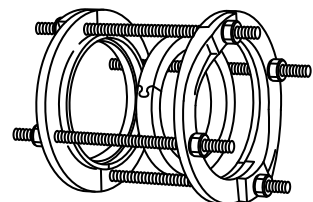


Style FIBC
(Class 160 and
200 Solvent Weld PVC)



Bell Joint Leak Clamps

Style FBC
For PVC, Standard Steel Size,
Cast Iron Pipe and C900 PVC



BOLTED FLEX COUPLINGS

SECTION M - NUMBERING SYSTEM

TYPE OF COUPLING

- FC1** = Ductile Iron Coupling
- FC2A** = Ductile Iron Transition Coupling
- FIB** = Insulating Boot for Ductile Iron Pipe and Cast Iron Pipe
- FRC** = Iron Reducing Coupling
- FFCA** = Iron Flanged Coupling Adapter
- FRR** = Cut-In Coupling
- FEC** = End Cap Coupling

OPTIONAL FEATURES

- SH** = Type 304 Stainless Steel Nuts & Bolts
 - ESH** = Type 304 Stainless Steel Nuts & Bolts with Epoxy Coated Coupling
 - N** = NBR (Buna-N) gaskets, alloy bolts & Nuts with Shop Coated Coupling
 - EPDM** = EPDM Gaskets
 - BBN** = Blue Fluorocarbon Coated Nuts & Bolts
 - L12** = 12" Long Center Sleeve Length (for FC1 4" & 6" FC2A - 4" - 12")
- FOR FFCA COUPLING ADAPTERS**
- AS2** = Two Anchor Studs
 - AS4** = Four Anchor Studs (316 stainless steel nuts and bolts available - contact factory)

FC1 - 690 - 720 - SH

↑
↑
 one end OD SIZE other end

Use listed catalog sizes

NOTE: For most coupling types each number indicates top end of range, only FC1 and FC2A have an OD size for each coupling end.

TYPE OF COUPLING

- MJFA** = Mechanical Joint Flange Adapter
- MJC** = Mechanical Joint Couplings

NOMINAL PIPE SIZE

- 3-I** = 3"
- 4-I** = 4"
- 6-I** = 6"
- 8-I** = 8"
- 10-I** = 10"
- 12-I** = 12"

MJFA - 6 - I

↑

TYPE OF COUPLING

- FC2W** = Ductile Iron Wide Range Coupling (Epoxy coated, NBR (Buna-N) gaskets)

FC2W - 6 - SH

NOMINAL PIPE SIZE

- 3** = 3"
- 4** = 4"
- 6** = 6"
- 8** = 8"
- 10** = 10"
- 12** = 12"
- 16** = 16"

OPTIONAL FEATURES

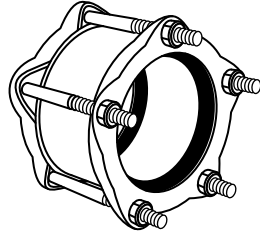
- SH** = Type 304 stainless steel nuts and bolts
- L12** = 12" long center sleeve (sizes 3" - 12")
- EPDM** = EPDM gasket
- EC** = End Cap with 2" FIP threaded boss (sizes 4"-12")
- BBN** = Blue Fluorocarbon coated nuts and bolts (316 stainless steel nuts and bolts available - contact factory)

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

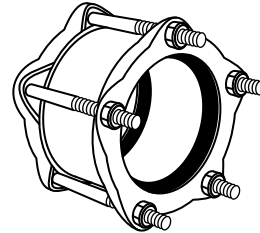
BOLTED FLEX COUPLINGS

SECTION M - PRODUCTS

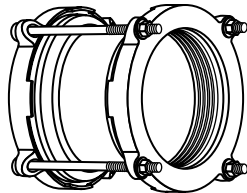
**Ductile Iron Couplings
Style FC1**



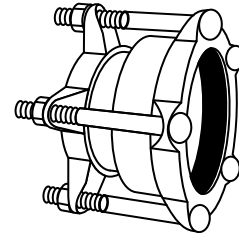
**Ductile Iron Transition Couplings
Style FC2A**



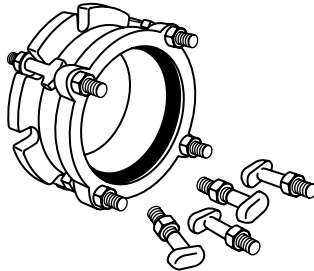
**Ductile Iron Wide Range
Transition Coupling
Style FC2W**



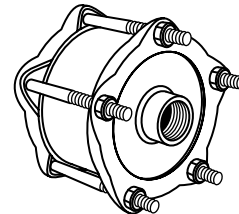
**Cast Iron Reducing Couplings
Style FRC**



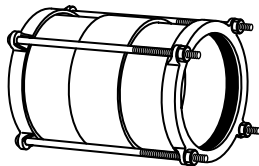
**Iron Flanged Coupling Adapters
Style FFCA**



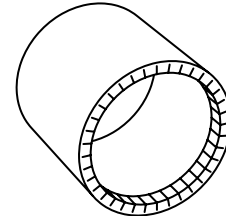
**End Cap Couplings
Style FEC**



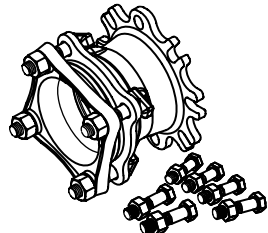
**Cut-In Couplings
Style FRR**



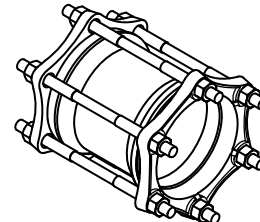
**Insulating Boot for
Iron or Steel Pipe**



**Mechanical Joint Flange Adapter
Style MJFA**

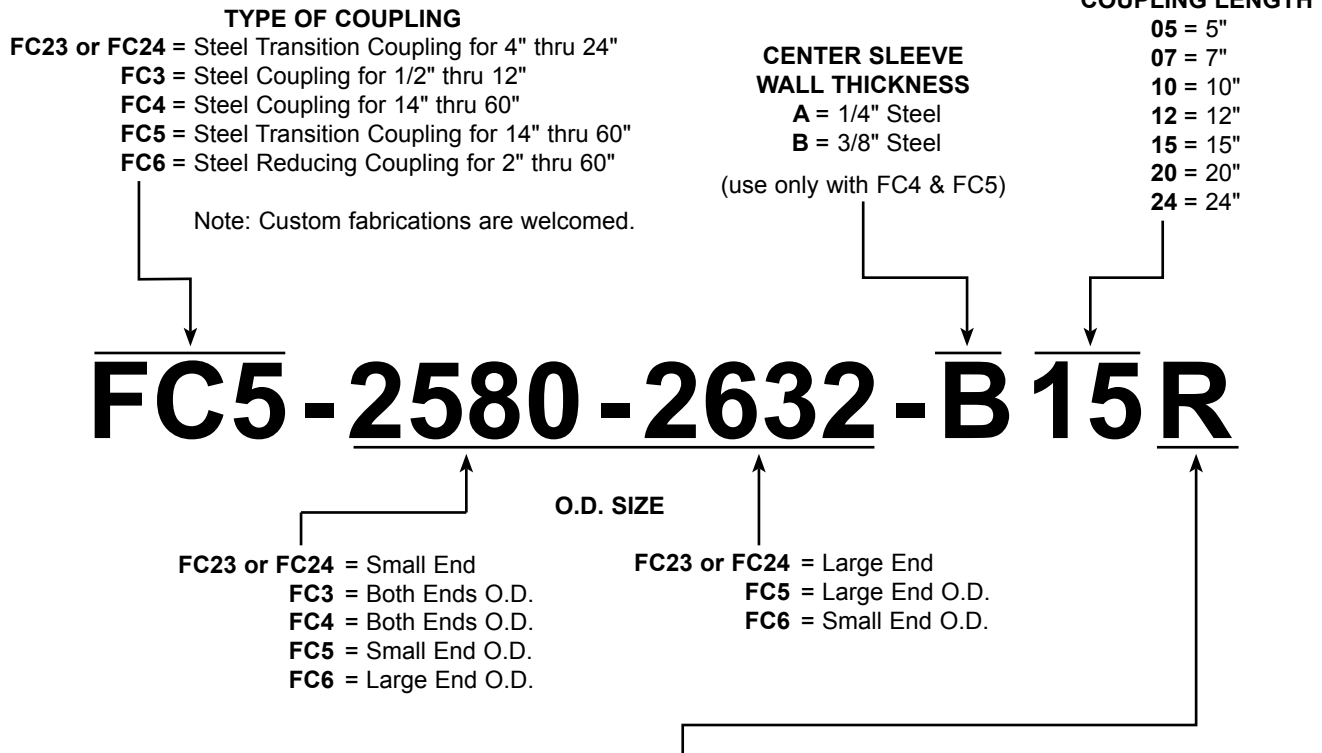


**Mechanical Joint Coupling
Style MJC**



FABRICATED STEEL PRODUCTS

SECTION N - NUMBERING SYSTEM



COATING, BOLTS AND GASKET OPTIONS

GASKET MATERIAL	COATING AND BOLT COMBINATIONS							
	Standard Shop Coat				Epoxy Coated			
	Standard Alloy Bolts	304 Stainless Steel Bolts	316 Stainless Steel Bolts	Electro Galvanized Bolts	Standard Alloy Bolts	304 Stainless Steel Bolts	316 Stainless Steel Bolts	Electro Galvanized Bolts
SBR Rubber	R	X	Q	G	E	Y	Z	K
Buna-N Rubber	N	H	J	F	C	P	T	O
EPDM Rubber	S	M	V	W	A	B	D	L

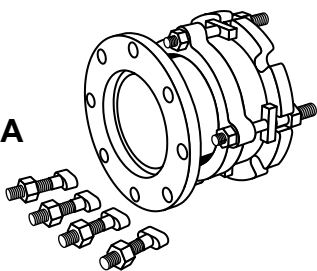
Note: See item listings in catalog section to ensure desired sizes and options are available.

FABRICATED STEEL PRODUCTS

SECTION N - PRODUCTS

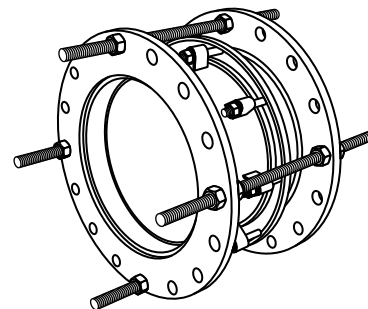
Ford Dismantling Joint Style FDJ

Style A



Less tie rods
for pipe sizes 4" thru 12"

Style B

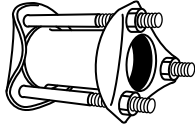


With tie rods
for pipe sizes 4" thru 36"

FABRICATED STEEL PRODUCTS

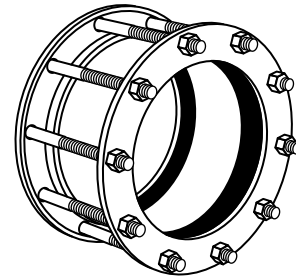
SECTION N - PRODUCTS

Standard Steel Couplings Style FC3



for pipe sizes 1/2" thru 12"

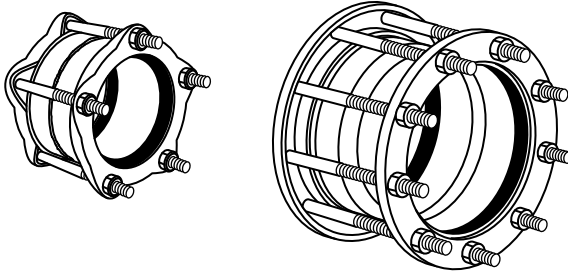
Standard Steel Couplings Style FC4



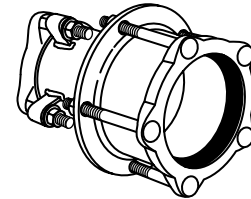
for pipe sizes 14" thru 60"

Steel Transition Couplings Styles FC23, FC24 and FC5

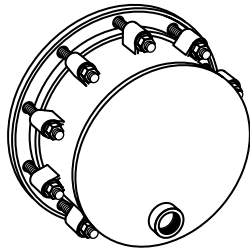
Joins most pipe within each nominal size



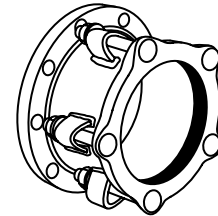
Steel Reducing Couplings Style FC6



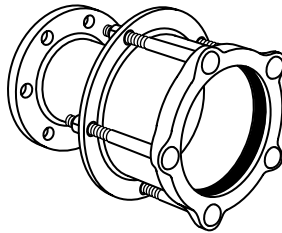
Steel End Cap Couplings Style FC4



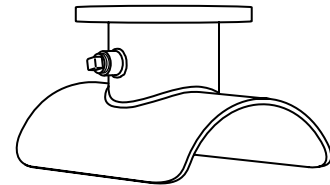
Steel Flange Coupling Adapters Style FCA



Steel Reducing Flange Coupling Adapters Style FCA

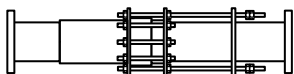


Steel Weld-On Tapping Sleeves Style FWS

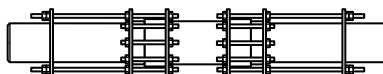


Expansion Joints Style FEJ

Single and Double End

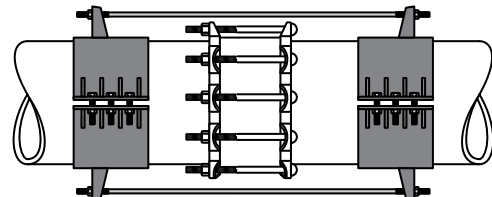


Flange End Expansion Joint



Plain End Expansion Joint

Restrainer Assemblies Style FR



UNI-FLANGE® - RETAINER GLANDS

CATALOG SECTION U - NUMBERING SYSTEM

PRODUCT TYPE

- RFAP** = Restrained Flange Adapter for C905 PVC, C900, C909, DR35, IPS PVC and Steel Pipe
- RFAD** = Restrained Flange Adapter for Ductile Iron Pipe
- RCDD** = Restrained Coupling for Ductile Iron Pipe
- RCDP** = Restrained Coupling for joining Ductile Iron Pipe to C905 PVC, C900 PVC, IPS PVC, Steel, C909 or DR35 pipe
- RCPP** = Restrained Coupling for C905 PVC, C900, IPS PVC, Steel, C909 and DR35 Sewer Pipe
- UFA200** = Adapter Flange for Steel and Ductile Iron Pipe
- UFA400** = Higher Pressure Adapter Flange for Steel and Ductile Iron Pipe
- UFA420** = Extra Heavy Adapter Flange
- UFA900** = Adapter Flange for PVC Pipe
- UFR1300** = Restraint Device for PVC Pipe and MJ/Push-On Fittings
- UFR1300-P** = Restraint Device for Sewer Pipe
- UFR1309** = Restraint Device for C909 PVC and MJ/Push-On Fittings
- UFR1350** = Restraint Device for PVC Pipe Bell Joints
- UFR1355** = Restraint Device for PVC Pipe Bell Joints for Ductile Iron Pipe O.D.
- UFR1360** = Restraint Device for PVC Pressure Fittings
- UFR1390** = Restraint Device for PVC Pipe Bell Joints
- UFR1390-P** = Restraint Device for Sewer Pipe Bell Joints
- UFR1399** = Restraint Device for C909 Pipe Bell Joints
- UFR1400** = Wedge Action Retainer Gland Joint Restraint for Ductile Iron Pipe
- UFR1450** = Bell Joint Restraint for Ductile Iron
- UFR1405** = Split MJ Retainer Gland Joint Restraint for Ductile Iron
- UFR1455** = Joint Restraint with Split Back Up Ring for Ductile Iron
- UFR1490** = Split Joint Restraint with Split Back Up Ring for Ductile Iron
- UFR1500** = Retainer Gland Joint Restraint for PVC and Steel Pipe
- UFR1500R** = Rapid Install MJ Restraint for C900
- UFR1559** = Retainer Gland Joint Restraint for C909 PVC Pipe Bell Joints
- UFR2800** = Tandem Restraints for High Pressure Applications on Ductile Iron
- UFR2850** = Bell Joint Restraints for High Pressure Applications on Ductile Iron
- UFRCS1300-P** = Casing Spacer for Support of Sewer Pipe Barrel
- UFRCS1300** = Casing Spacer for Support of Pipe Barrel
- UFRCS1390** = Casing Spacer for Support/Restraint of Pipe Bell Joints
- UFRCS1390-P** = Casing Spacer for Support of Sewer Pipe Barrel

- C** = C900/C905 PVC
- D** = Ductile Iron Pipe
- S** = Steel Size (IPS)
PVC Pipe (steel pipe for UFA200/400/420 only)
- Z** = SO-EZ Gasket

OPTIONS

- XL** = Extra Large Inner Diameter for Class C and D Gray Cast Iron Pipe (4" - 12" UFR1400 only)
- I** = Imported Casting
- U** = Domestic Casting

UFR1400 - DA - 12 - XL

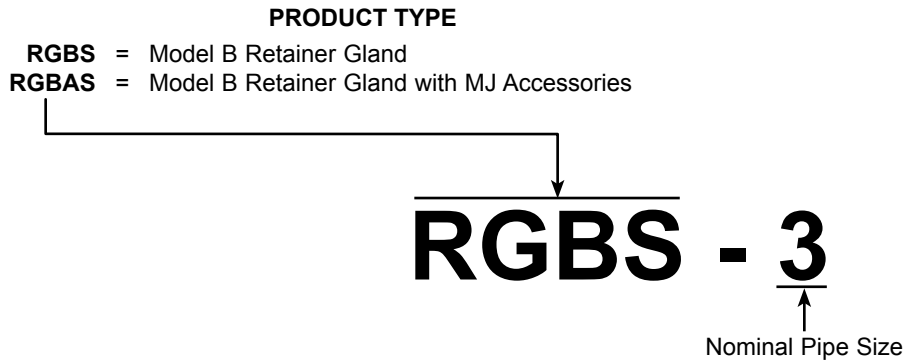
Optional MJ Accessory Pack
(T-bolts and gasket,
also includes MJ gland with
UFR1300)

Nominal Pipe Size

Note: See catalog listings to ensure desired sizes, styles, options and pipe applications are available.

UNI-FLANGE® - RETAINER GLAND CATALOG SECTION U - NUMBERING SYSTEM

Uni-Flange® Set Screw Retainer Glands Numbering System

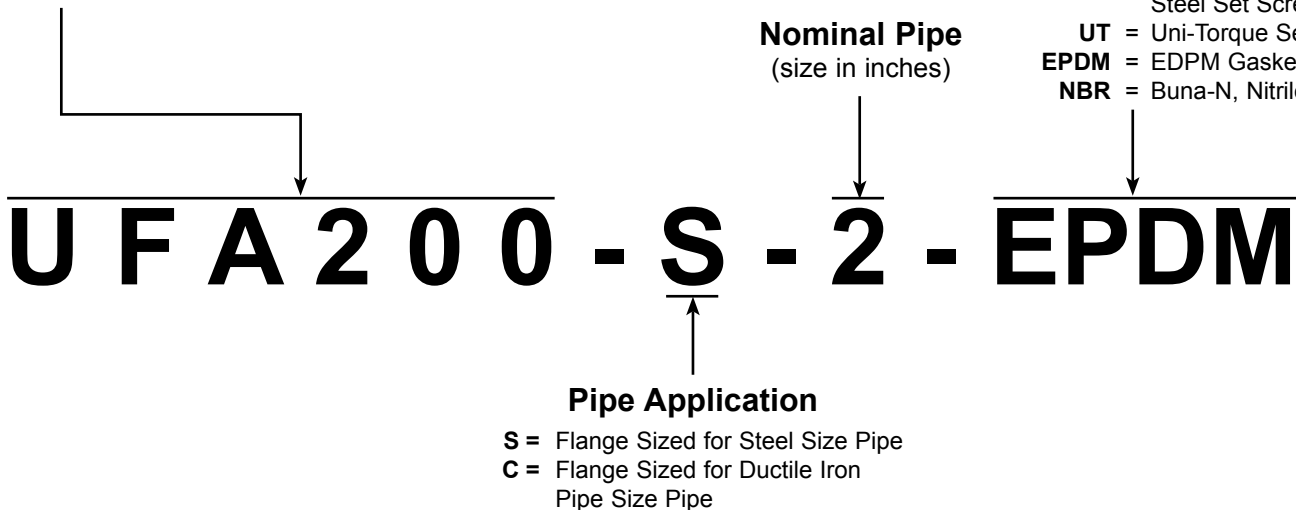


UNI-FLANGE® - ADAPTER FLANGES CATALOG SECTION U - NUMBERING SYSTEM

Adapters Series

- UFA200** = Adapter Flange for Steel and Ductile Iron
Pipe with working pressure 2" through 8"
200 PSI / 10" through 12" **175 PSI**
- UFA400** = Adapter Flange for Steel and Ductile Iron Pipe
with working pressure - 2" through 12" **250 PSI**
14" through 24" **150 PSI** / 30" through 48" **100 PSI**
- UFA420** = Adapter Flange for Steel and Ductile Iron Pipe
with working pressure - 2" through 12" **400 PSI**
- UFA900** = Adapter Flange for PVC Pipe

- OPTIONS**
- SS** = Type 410 Heat Treated Steel Set Screw
 - UT** = Uni-Torque Set Screw
 - EPDM** = EPDM Gasket
 - NBR** = Buna-N, Nitrile Gasket



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

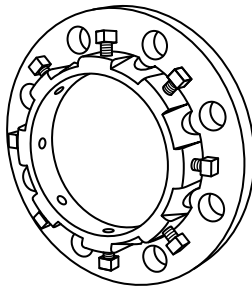
UNI-FLANGE® - ADAPTER FLANGES

CATALOG SECTION U - PRODUCTS

Series 200 Adapter Flange for Steel and Ductile Iron Pipe

Flange Drilling ANSI B16.1 125 lb.
and ANSI B16.5 150 lb.

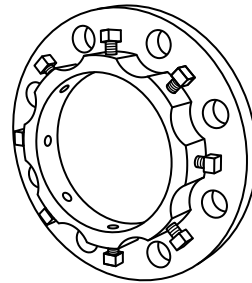
Working pressure - 2" through 8" **200 PSI**
10" through 12" **175 PSI**



Series 400 Adapter Flange for Steel and Ductile Iron Pipe

Flange Drilling ANSI B16.1 125 lb.
and ANSI B16.5 150 lb.

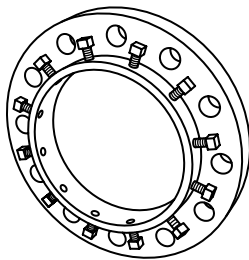
Working pressure - 2" through 12" **250 PSI**
14" through 24" **150 PSI**
30" through 48" **100 PSI**



Series 420 Extra Heavy Adapter Flange for Steel and Ductile Iron Pipe

Flange Drilling ANSI B16.1 250 lb. and ANSI B16.5 300 lb.

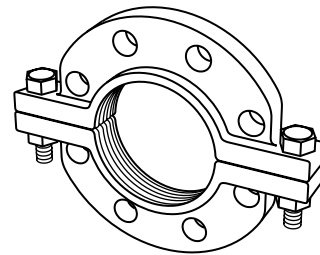
Working pressure - 2" through 12" **400 PSI**



Series 900 Adapter Flange for PVC Pipe

Flange Drilling ANSI B16.1 125 lb.
and ANSI B16.5 150 lb.

Working pressure based on pipe size and type

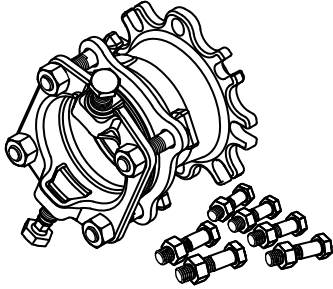


UNI-FLANGE® - RESTRAINED FLANGE ADAPTER CATALOG SECTION U - PRODUCTS

RFAD

Flange and Restraint Devices for Ductile Iron Pipe

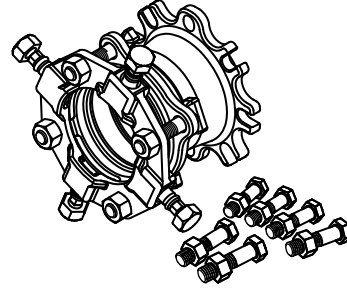
Flange Drilling ANSI B16.1 125 lb. for Cast Iron Flanges
and ANSI B16.5 150 lb. for Steel Flanges



RFAP

Flange and Restraint Devices for PVC, Steel or DR35 Sewer Pipe

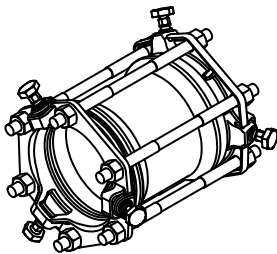
Flange Drilling ANSI B16.1 125 lb. for Cast Iron Flanges
and ANSI B16.5 150 lb. for Steel Flanges



UNI-FLANGE® - RESTRAINED COUPLINGS CATALOG SECTION U - PRODUCTS

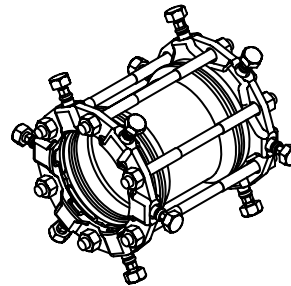
RCDD

Coupling and Restraint Device for Ductile Iron Pipe x Ductile Iron Pipe



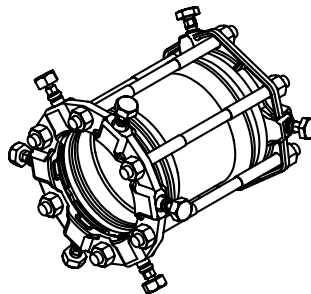
RCPP

Coupling and Restraint Device for PVC Pipe x PVC Pipe



RCDP

Coupling and Restraint Device for Ductile Iron Pipe x PVC Pipe



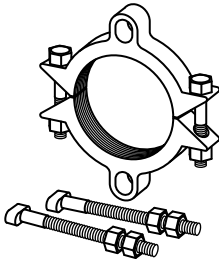
Note: Restrained adapters and couplings rated to the full pressure of the pipe.

UNI-FLANGE® - PIPE RESTRAINT FOR PVC

CATALOG SECTION U - PRODUCTS

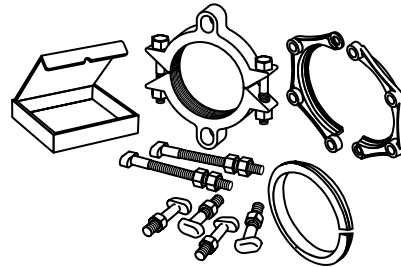
Series 1300 Restraint Device for PVC & Ductile Iron Pipe

*used with Mechanical Joint/
Push-On Fittings*



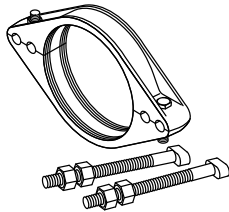
Series 1300-CAS and 1300-SAS for C900 PVC Pipe

Mechanical joint repair kit



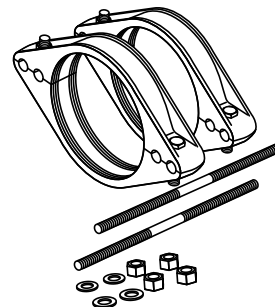
Series 1309 Restraint Device for C900 & C909 PVC Pipe C906 HDPE & Ductile Iron Pipe

*used with Mechanical Joint/
Push-On Fittings*



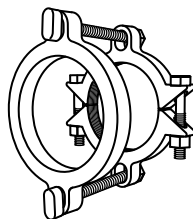
Series 1399 Restraint Device for C909 PVC Pipe

*Split Restraint for push-on joints of C909
PVC pipe (new or existing installations)*



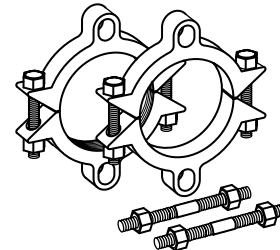
Series 1350 Restraint Device for PVC Pipe

*for restraining bell joints of PVC pipe
(new pipe installations only)*



Series 1355 Restraint Device for PVC Pipe Bell Joints for Ductile Iron Pipe O.D.

*for restraining bell and spigot joints of PVC
pipe (new or existing pipe installations)*



* See Catalog Section U for ductile iron pipe applications.

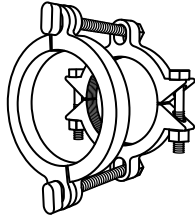
NOTE: Ford recommends using inserts or pipe stiffeners for HDPE pipe applications.

UNI-FLANGE® - PIPE RESTRAINT FOR PVC

CATALOG SECTION U - PRODUCTS

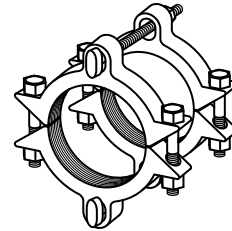
Series 1360 Restrainers for PVC Pipe

*for restraining PVC pipe and
pressure fitting joints of PVC pipe*



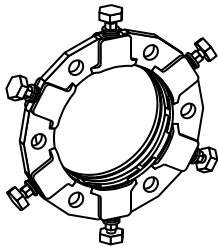
Series 1390 Restrainers for PVC & Ductile Iron Pipe*

*for restraining bell joints of PVC pipe
or ductile iron pipe*



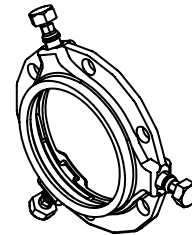
Series 1500 Restrainer for PVC Pipe

MJ Retainer Gland Joint Restraint



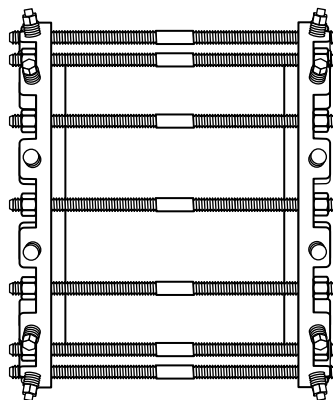
Series 1500R Rapid Install Restrainer for C900 and ASTM D2241 IPS PVC Pipe

MJ Retainer Gland Joint Restraint



Series 1559 Restrainer for C909 PVC Pipe

*MJ Retainer Gland Joint Restraint
for C909 PVC bell joints
(new installations only)*

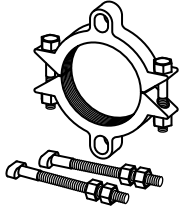


NOTE: Ford recommends using inserts or pipe stiffeners for HDPE pipe applications.

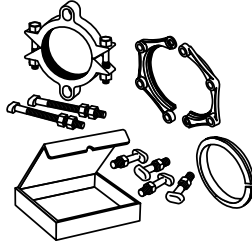
UNI-FLANGE® - PIPE RESTRAINT FOR DUCTILE IRON PIPE

CATALOG SECTION U - PRODUCTS

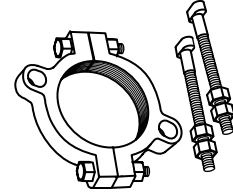
**Series 1300 Restrainer
for Ductile Iron Pipe**



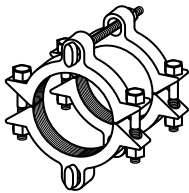
**Series 1300-CAS
Mechanical Joint Repair Kit
for Ductile Iron Pipe**



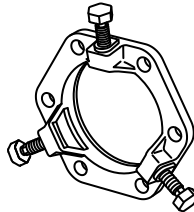
**Series 1309 Restrainer
for C900 & C909 PVC Pipe
C906 HDPE & Ductile Iron Pipe**
*used with Mechanical Joint/
Push-On Fittings*



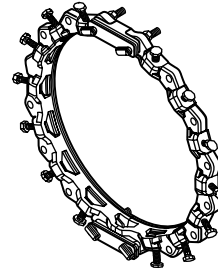
**Series 1390 Restrainers
for Ductile Iron Pipe**
*for restraining bell joints of PVC pipe
or ductile iron pipe 4" through 16"*



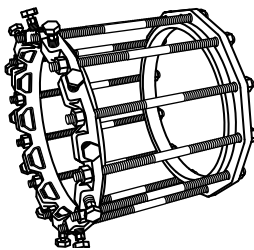
**Series 1400 Restrainer
for Ductile Iron Pipe**
*Wedge Action MJ Retainer
Gland Joint Restraint*



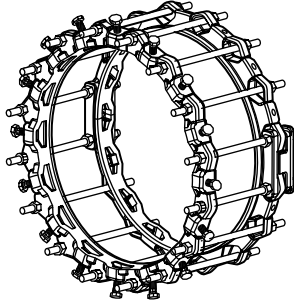
**Series 1405 Restrainer
for Ductile Iron Pipe**
Split MJ Retainer Gland Joint Restraint



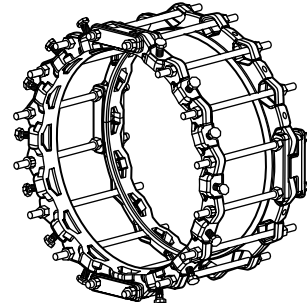
**Series 1450 Restrainer
for Ductile Iron Pipe**
*Wedge Action Restrainer
for Push-On Joints of Ductile Iron Pipe
(new installations only)*



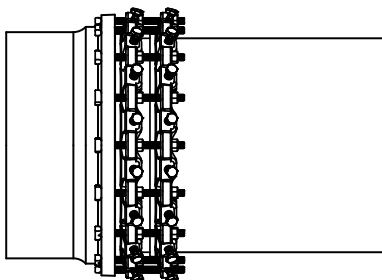
**Series 1455 Restrainer
for Ductile Iron Pipe**
*Joint Restraint with
Split Back-Up Ring*



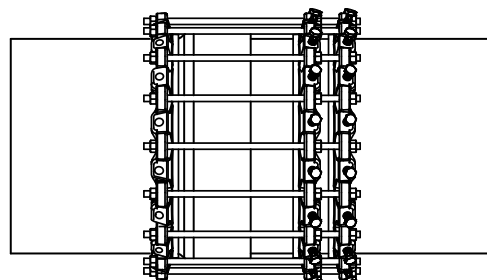
**Series 1490 Restrainer
for Ductile Iron Pipe**
*Split Wedge Action Retainer
with Split Back-Up Ring*



**Series 2800
for High Pressure Applications
on Ductile Iron Pipe**
Tandem Restraints

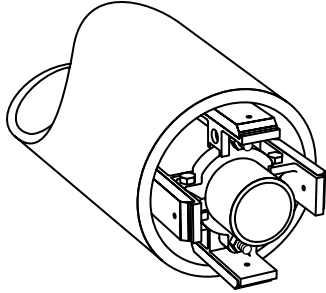


**Series 2850
for High Pressure Applications
on Ductile Iron Pipe**
for Push-On Joints of Ductile Iron Pipe / (New Installations Only)

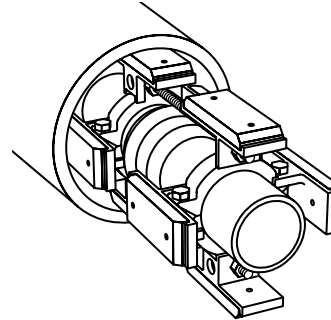


**UNI-FLANGE® - RESTRAINED CASING SPACERS
FOR PVC AND DUCTILE IRON PIPE
CATALOG SECTION U - PRODUCTS**

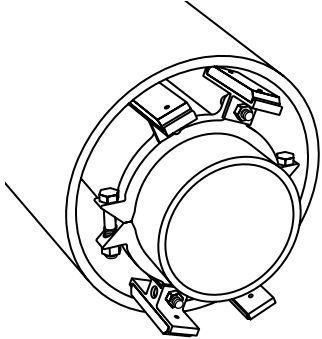
**Uni-Flange Series 1300 Casing Spacer
for Support of Pipe Barrel
4" through 8"**



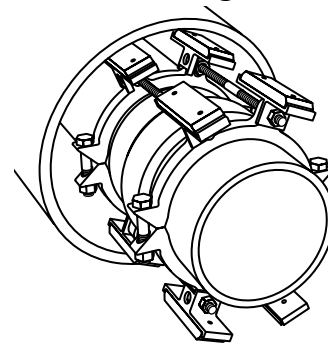
**Uni-Flange Series 1390 Casing Spacer
for Pipe Bell Joint
4" through 8"**



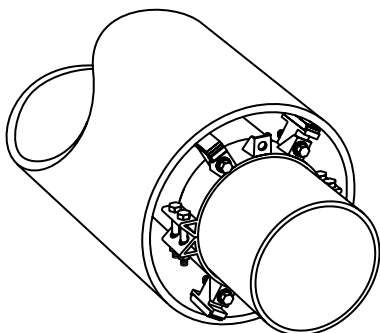
**Uni-Flange Series 1300 Casing Spacer
for Support of Pipe Barrel
10" through 12"**



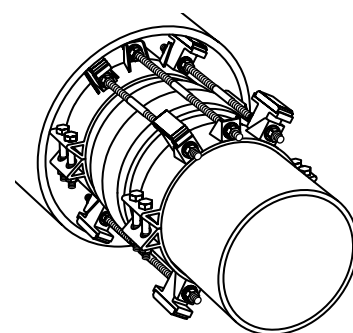
**Uni-Flange Series 1390 Casing Spacer
for Pipe Bell Joint
10" through 12"**



**Uni-Flange Series 1300 Casing Spacer
for Support of Pipe Barrel
14" through 24"**

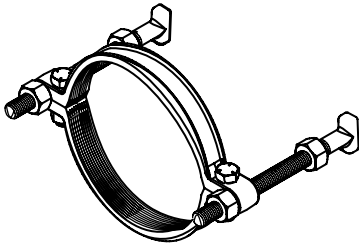


**Uni-Flange Series 1390 Casing Spacer
for Pipe Bell Joint
14" through 24"**

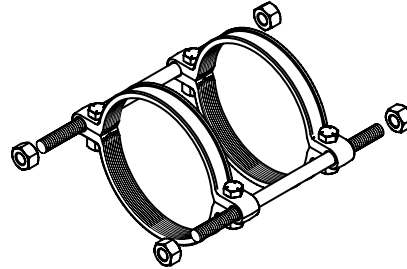


UNI-FLANGE® - PIPE RESTRAINTS FOR SEWER PIPE
SECTION U - PRODUCTS

**Series 1300-P Restrainers
 for Sewer Pipe
 4" through 24"**

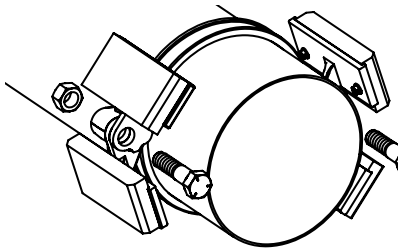


**Series 1390-P Restrainers
 for Sewer Pipe Bell Joints
 4" through 24"**

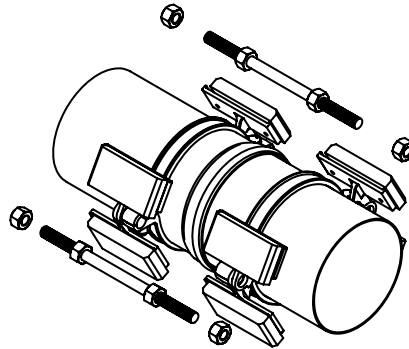


**UNI-FLANGE® - HARNESS RESTRAINTS WITH
 CASING SPACERS FOR SEWER PIPE**
SECTION U - PRODUCTS

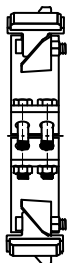
**Uni-Flange Series 1300-P
 Casing Spacer for
 Support of Pipe Barrel
 4" through 12"**



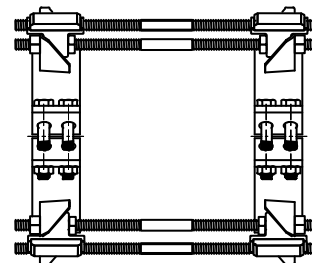
**Uni-Flange Series 1390-P
 Casing Spacer for
 Support of Pipe Barrel
 4" through 12"**



**Uni-Flange Series 1300-P
 Casing Spacer for Support of Pipe
 Barrel and Pipe Bell Joint
 15" through 24"**



**Uni-Flange Series 1390-P
 Casing Spacer for Support of Pipe
 Barrel and Pipe Bell Joint
 15" through 24"**



O.D. Chart

PIPE SIZE	PVC/HDPE (Steel Size) O.D.	PVC/HDPE C900/C905 O.D.	DUCTILE / CAST IRON			ASBESTOS-CEMENT			STEEL		COPPER
			Classes		O.D.	Class	Machined End O.D.	Rough Barrel O.D. Min - Max	Type	O.D.	O.D.
			Pit	Spun							
1/2"	.84								STD.	.84	.625
3/4"	1.05								STD.	1.05	.875
1"	1.32								STD.	1.32	1.125
1-1/4"	1.66								STD.	1.66	1.375
1-1/2"	1.90								STD.	1.90	1.625
2"	2.38				2.50				STD.	2.38	2.125
2-1/2"	2.88								STD.	2.88	2.625
3"	3.50		A		3.80	100	3.74	4.00	O.D.	3.00	3.125
			B, C, D	50 - 350	3.96	150	3.84	4.10	STD.	3.50	
						200	3.84	4.29			
3-1/2"								STD.	4.00	3.625	
4"	4.50	4.80	A	50 - 350	4.80	100	4.64	4.79 - 5.14	O.D.	4.00	4.125
			B, C, D		5.00	150	4.81	4.97 - 5.27	STD.	4.50	
						200	4.81	5.22 - 5.57			
4-1/2"								STD.	5.00		
5"								STD.	5.56	5.125	
6"	6.63	6.90	A	50 - 350	6.90	100	6.91	7.05 - 7.40	O.D.	6.00	6.125
			B, C, D,		7.10	150	6.91	7.07 - 7.37	STD.	6.63	
			E, F		7.22	200	6.91	7.26 - 7.56			
7"								STD.	7.63		
8"	8.63	9.05	A, B,	50 - 300	9.05	100	9.11	9.22 - 9.57	O.D.	8.00	
			C, D,	350	9.30	150	9.11	9.27 - 9.57	STD.	8.63	
			E, F		9.42	200	9.11	9.39 - 9.74			
9"								STD.	9.63		
10"	10.75	11.10	A, B,	50 - 200	11.10	100	11.24	11.42 - 11.77	O.D.	10.00	
			C, D,	250 - 350	11.40	150	11.66	11.82 - 12.12	STD.	10.75	
			E, F		11.60	200	11.66	11.77 - 12.12			
12"	12.75	13.20	A, B,	50 - 200	13.20	100	13.44	13.69 - 14.04	O.D.	12.00	
			C, D,	250 - 350	13.50	150	13.92	14.08 - 14.38	STD.	12.75	
			E, F		13.76	200	13.92	14.03 - 14.38			
14"	14.00	15.30	A, B,	50 - 100	15.30	100	15.07	15.40 - 15.80	STD.	14.00	
			C, D,	150 - 300	15.65	150	16.22	16.38 - 16.73			
			E, F		15.98	200	16.22	16.48 - 16.88			
16"	16.00	17.40	A, B,	50 - 100	17.40	100	17.14	17.54 - 17.94	STD.	16.00	
			C, D,	150 - 300	17.80	150	18.46	18.62 - 18.97			
			E, F		18.16	200	18.46	18.79 - 19.19			
18"	18.00	19.50	A, B	50 - 100	19.50	100	19.90	20.44	STD.	18.00	
			C, D	150 - 250	19.92	150	20.94	21.20			
						200	22.18				
20"	20.00	21.60	A, B,	50 - 100	21.60	100	22.12	22.50	STD.	20.00	
			C, D	150 - 250	22.06	150	23.28	23.54			
						200	24.66				
22"								STD.	22.00		
24"	24.00	25.80	A, B,	50 - 100	25.80	100	26.48	27.17	STD.	24.00	
			C, D	150 - 250	26.32	150	27.96	28.22			
						200	29.62				
30"	30.00	32.00	A		31.74				STD.	30.00	
			B	50 - 350	32.00						
			C		32.40						
			D		32.74						
36"	36.00	38.30	A		37.96			STD.	36.00		
			B	50 - 350	38.30						
			C		38.70						
			D		39.16						
42"		44.50	A		44.20			STD.	42.00		
			B	50 - 350	44.50						
			C		45.10						
			D		45.58						
48"		50.80	A		50.50			STD.	48.00		
			B	50 - 350	50.80						
			C		51.40						
			D		51.98						
54"			A		56.66			STD.	54.00		
			B		57.10						
				50 - 350	57.56						
			C		57.80						
60"			D		58.40			STD.	60.00		
				50 - 350	61.61						
			A		62.80						
			B		63.40						
			C		64.20						
			D		64.82						

Note: Due to variations in outside diameters and specifications, dimensions listed above are approximate. For this reason, determine the pipe O.D. before ordering.

EXPLANATION OF ABBREVIATIONS

THREADED AND FLARE CONNECTIONS

AWWA / CCAWWA Standard Thread, has steeper taper than Iron Pipe Threads (per AWWA C800)
 COP THRDCopper Thread on Flare Copper Connections
 FIPFemale Iron Pipe Thread
 FL COP.....Flare Copper Connection
 IPIron Pipe (not threaded) for Pack Joint Connections or Female Iron Pipe Thread for Saddle Taps
 MIPMale Iron Pipe Thread
 BSPPBritish Standard Pipe parallel pipe thread
 BSPTBritish Standard Pipe tapered pipe thread

PLASTIC PIPE AND TUBING CONNECTIONS

CTS**Flexible** Plastic water service **tubing** in what is referred to as “copper tube size” (CTS-PE or CTS-PB printed on service line). **OUTSIDE DIAMETER** is the same as on corresponding sizes of copper tubing (Ford Pack Joint Nut coded CTS).
 PET.....Polyethylene tubing. **Flexible** Plastic water service **tubing** in what is referred to as “copper tube size” (CTS-PE printed on service line). **OUTSIDE DIAMETER** is the same as on corresponding sizes of copper tubing (Ford Pack Joint Nut coded CTS).
 PEPPolyethylene pipe. **Flexible** Plastic water service **pipe** in what is referred to as “pipe size” (IPS-PE printed on service line). **INSIDE DIAMETER** is the same as on corresponding sizes of standard iron pipe (Ford Pack Joint Nut coded PEP).
 PVCPolyvinyl Chloride **rigid** plastic **pipe**. **OUTSIDE DIAMETER** is the same as on the corresponding sizes of standard iron pipe. **Ford Pack Joints are recommended for use only with Schedule 40 and Schedule 80 PVC.** (Ford Pack Joint Nut coded PVC).
 HDPE.....High-density Polyethylene. More flexible than PVC pipe and expands and contracts with temperature and pressure variations. See: **Ford HDPE Product Guide** for information on proper product usage.

DIMENSIONS COMPARISON TABLE FOR PLASTIC PIPE AND TUBING

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	.625	.875	1.125	1.375	1.625	2.125	–	–	–	–	–	–
PET	PE3408	200	SDR9	OD	.625	.875	1.125	1.375	1.625	2.125	–	.681	.875	1.069	1.263	1.653
	PE4710	250			–	–	–	–	–	–	–	–	–	–	–	–
PEP	PE3408	200	SIDR7	ID	–	1.060	1.349	1.774	2.070	2.657	–	.824	1.049	1.380	1.610	2.067
	PE4710	250			–	–	–	–	–	–	–	–	–	–	–	–
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	–	–	–	–	–	–

LEAD PIPE CONNECTIONS

S - Strong Lead Pipe (Ford Pack Joint Nut coded S)
 XS - Extra Strong Lead Pipe (Ford Pack Joint Nut coded XS)
 XXS - Double Extra Strong Lead Pipe (Ford Pack Joint Nut coded XXS)

SIZE I.D. AND TYPE OF LEAD PIPE	APPROXIMATE AVERAGE O.D. SIZE
1/2" Extra Strong (XS)	.876
1/2" Double Extra Strong (XXS)	1.012
5/8" Strong (S)	1.019
5/8" Extra Strong (XS)	1.082
5/8" Double Extra Strong (XXS)	1.137
3/4" Strong (S)	1.156
3/4" Extra Strong (XS)	1.212
3/4" Double Extra Strong (XXS)	1.336
1" Strong (S)	1.428
1" Extra Strong (XS)	1.492
1" Double Extra Strong (XXS)	1.596
1-1/4" Extra Strong (XS)	1.765
1-1/2" Extra Strong (XS)	2.076
2" Extra Strong (XS)	2.751

WARRANTY AND AGREEMENT STIPULATIONS:

The sole and exclusive warranty respecting any product is as stated in the warranty below. **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.**

No other document, demonstration, description, words, conduct or action of Manufacturer or any of its employees, agents or representatives shall supplement or alter the warranty except as stated in the warranty below.

No claim or legal action may be brought against Manufacturer more than one (1) year after the date the factory shipment is delivered, regardless of when Recipient of shipment learns of any such cause of action.

There are, and may in the future be, foreign, federal, state and local laws, rules and regulations prohibiting the use of some of Manufacturer's products in certain applications (e.g. potable water) due to the content of lead (No Lead Laws). While Manufacturer is not responsible for recipient's compliance with No Lead Laws, Manufacturer will use reasonable efforts to identify those products prohibited (Non-qualifying Products) from use in applications due to the No Lead Laws through one or more measures which may or may not include information distributed as part of the ordering and acceptance process, labels affixed to the exterior of product boxes and a document included within product boxes. In order to assist recipient, and without limiting recipient's obligation to comply with No Lead Laws, Manufacturer may provide recipient with additional information and documentation regarding Non-qualifying Products which recipient agrees to provide to those who purchase Non-qualifying Products from recipient and/or use Non-qualifying Products. Recipient agrees to at all times comply with No Lead Laws and agrees to hold harmless the Manufacturer and its affiliates and their respective employees, agents and representatives, from any and all loss, liability, claim, judgment and expense (including, without limitation, reasonable attorneys' fees and expenses) that relate to or result from the recipient's or any user's sale, distribution or use of Manufacturer's Non-qualifying Products in violation of the No Lead Laws.

Receipt of factory shipments is considered the Recipient's full agreement with the Manufacturer regarding all stipulations contained herein. The warranty stated below shall also be applicable in its entirety to received products resold to any other person or entity.

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.

The Ford Meter Box Company, Inc.

The Ford Meter Box Company considers the information in this Product Guide to be correct at the time of publication. Item and option availability, including specifications, are subject to change without notice. The terms as written herein shall supersede the terms of the customer's order in the event of contradiction or inconsistency and no understanding, agreement, terms, condition or trade custom at variance herewith shall be binding on the parties.

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Ford Product Guide

Warranty

All merchandise is warranted to be free from defects in material 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.

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Consult the Ford Meter Box Company, Inc. website (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.

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.



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