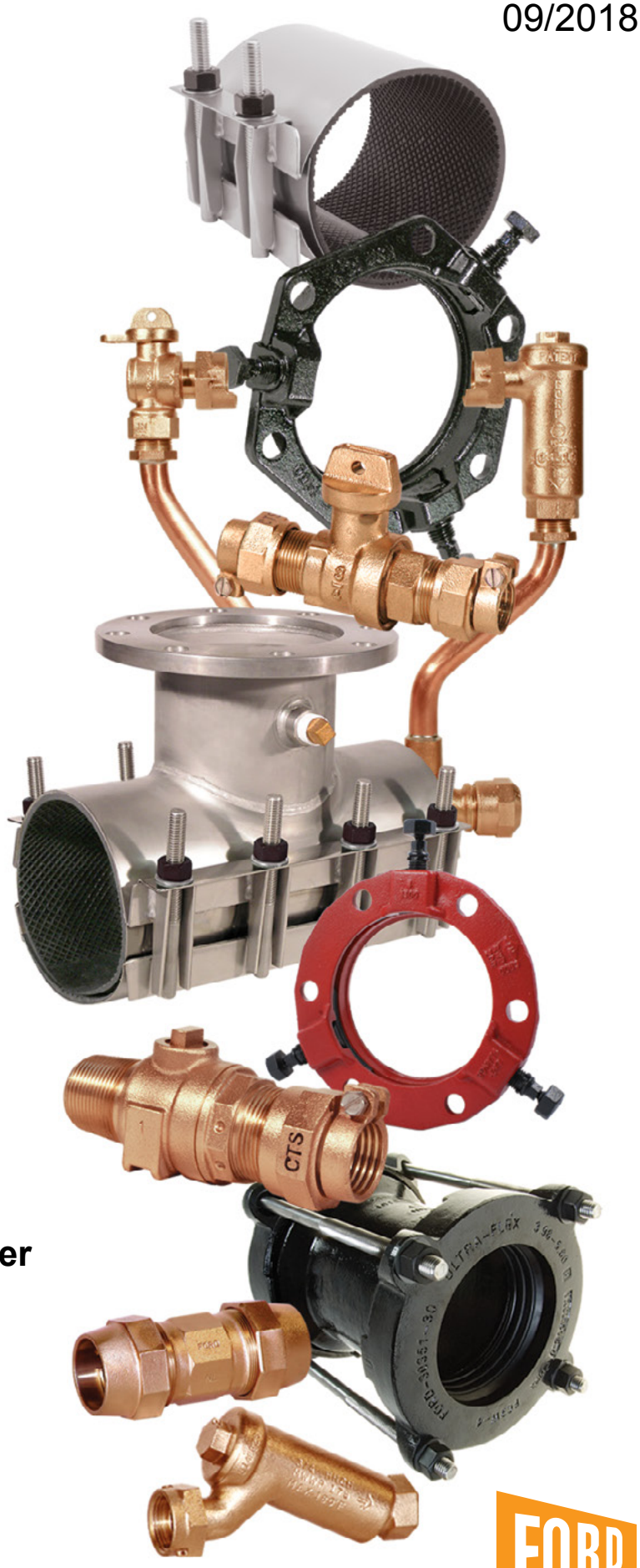
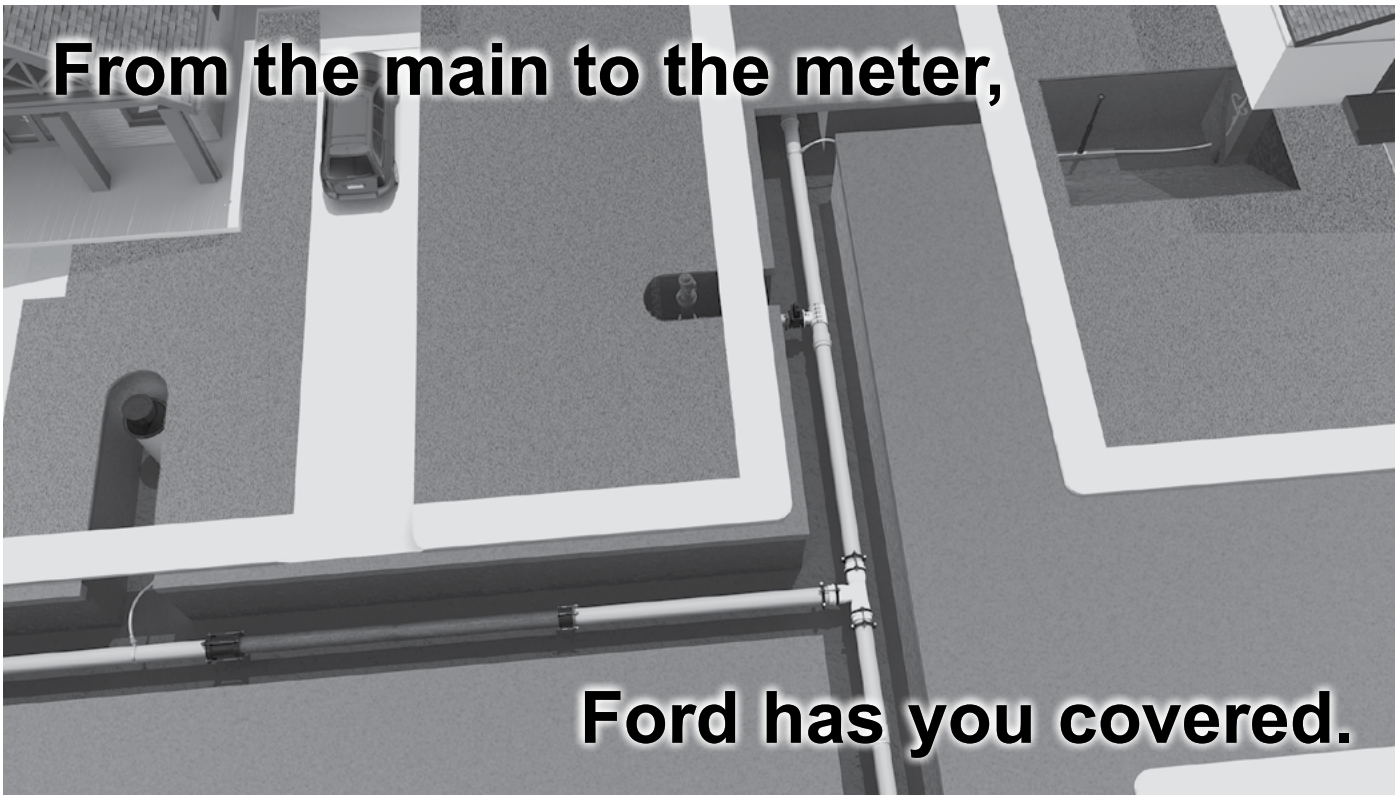
09/2018

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 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.

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

F 1 0 0 0 - 3 - G - NL

INLET AND OUTLET CONNECTION TYPE

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

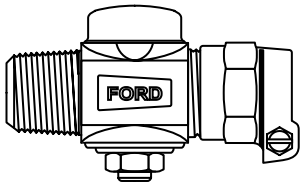
Ford Meter Box offers the largest variety of service line connections including male and female iron pipe thread, flare copper, compression couplings for copper, iron, polyethylene, PVC and lead. All Ford brass products that contact drinking water are made of no-lead UNS/CDA C89833 brass alloy unless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

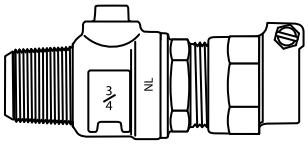
COMPRESSION FITTINGS

- 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

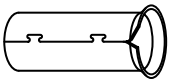
Key Valve Corp



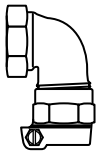


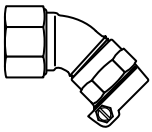
Ball Valve Corp
(Ballcorp)

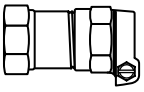
Insert Stiffeners for PE Pipe or Tubing



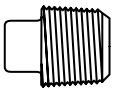
Quarter Bends, Eighth Bends, and Straight Couplings

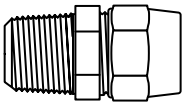




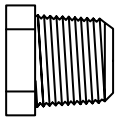


Replacement Pieces, Brass Corp Stop Plugs and Brass Bushings for Corporation Stops



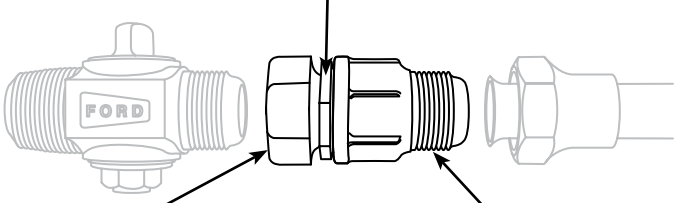


Corp Stop Replacement Piece
with Grip Joint Nut outlet



Service Insulators

Threaded nylon bushing assembled between two flare copper adapters



Female Flare Copper

Male Flare Copper

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.

Brass Saddles



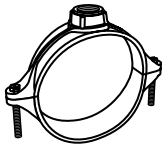
Style S40 and S41
Saddle for Copper Tubing



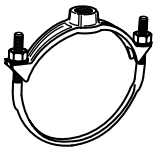
Style S70 and S71
Saddle for Standard PVC Pipe



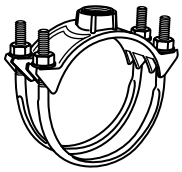
Style S90 and S91
Saddle for C900 PVC Pipe



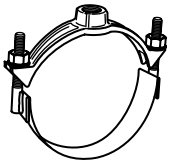
Style S902 and S912
Two-Piece Bolted Saddle
for C900 PVC Pipe



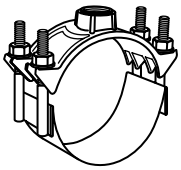
Style 101B
Single Strap Saddle
for AC and Iron Pipe



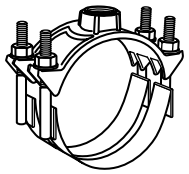
Style 202B
Double Strap Saddle
for AC and Iron Pipe



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

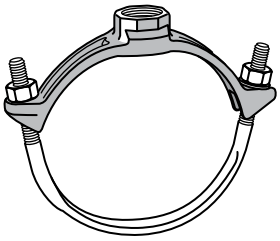


Style 202BSD
Dual Band Saddle with
Stainless Steel Bands and
Bolts for C900/C905,
AC and Iron Pipe

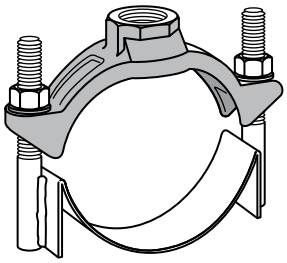
Brass saddles are not required to comply with the no-lead standard and shall meet the requirements of ASTM B62 and ASTM B584, using UNS/CDA number C83600. Brass saddles (in most states) are exempt from the no-lead requirements.

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.

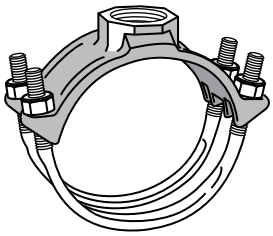
Ductile Iron Service Saddles



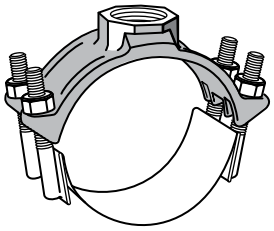
Style F101
Single Strap Saddle
(epoxy coated with standard steel strap)
for AC and Iron Pipe



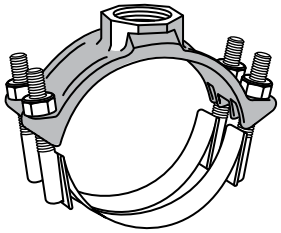
Style FC101
Single Band Saddle (epoxy coated
with stainless steel band and bolts)
for AC, Iron, C900/C905 PVC
and Steel Sized PVC



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

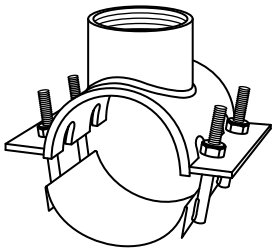


Style FC202
Double Band Saddle (epoxy
coated, with stainless steel band
and bolts) for AC, Iron, C900/C905
PVC and HDPE

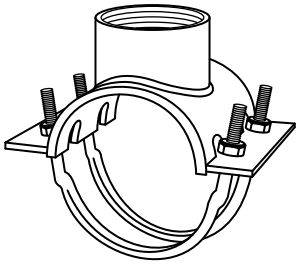


Style FCD202
Dual Band Saddle
(epoxy coated, with dual
stainless steel band and
bolts) for AC, Iron and
C900/C905 PVC

Fabricated Steel Service Saddles for 3" and 4" taps



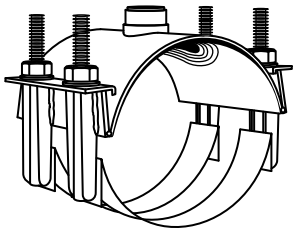
Style FS202
(with stainless steel band)



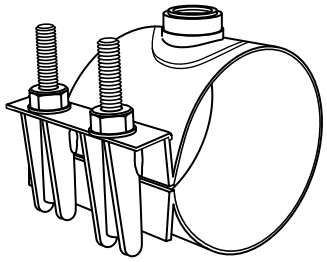
Style F202
(with standard steel straps)

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

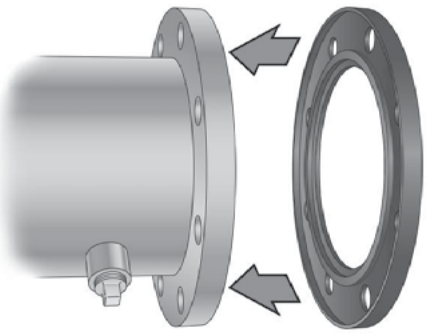
-MJ = Mechanical Joint Adapter Outlet (instead of flange outlet)
-AH = Optional High Strength Low Alloy Steel Nuts and Bolts on Removable Bolt Tapping Sleeves
-EPDM= EPDM Gasket
-SH = Optional Stainless Steel Nuts and Bolts on FTS
-FG = Optional Ultra-Seal Cap Style Flange Gasket (available for 4" through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

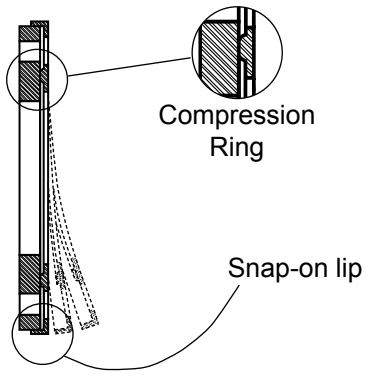
Note: See item listings in catalog section to ensure desired sizes and options are available.
* These outlet sizes are not available on the FAST Style.

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

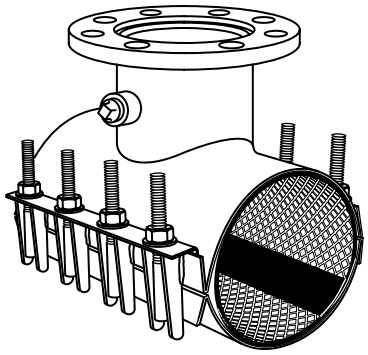
TAPPING SLEEVES
Catalog Section AA - Products

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

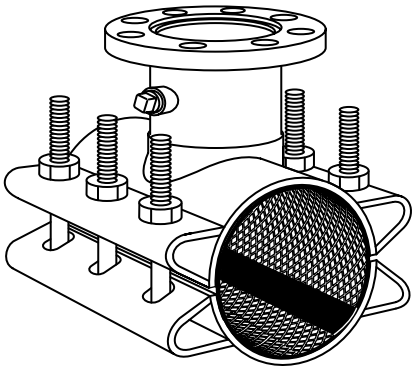




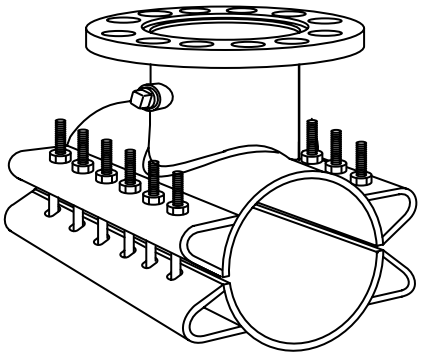
Tapping Sleeves



All Stainless Steel Tapping Sleeve with 360° Gasket
Style FAST Tapping Sleeves with 3" - 12" stainless steel or carbon steel flange



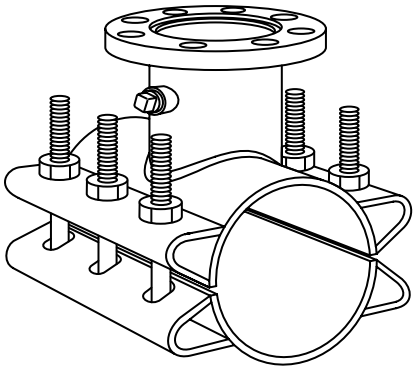
All Stainless Steel Tapping Sleeve with Removable Bolts and 360° Gasket
Style FTSS Tapping Sleeves with 3" - 36" stainless steel or carbon steel flange



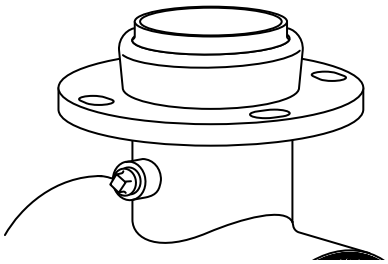
All Stainless Steel Tapping Sleeve with removable bolts

Style FTSAS Tapping Sleeves with 3" - 36" stainless steel or carbon steel flange

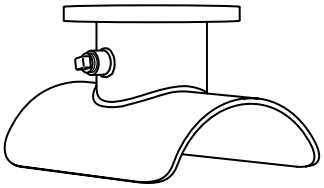
FTSAS not for use on HDPE pipe



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

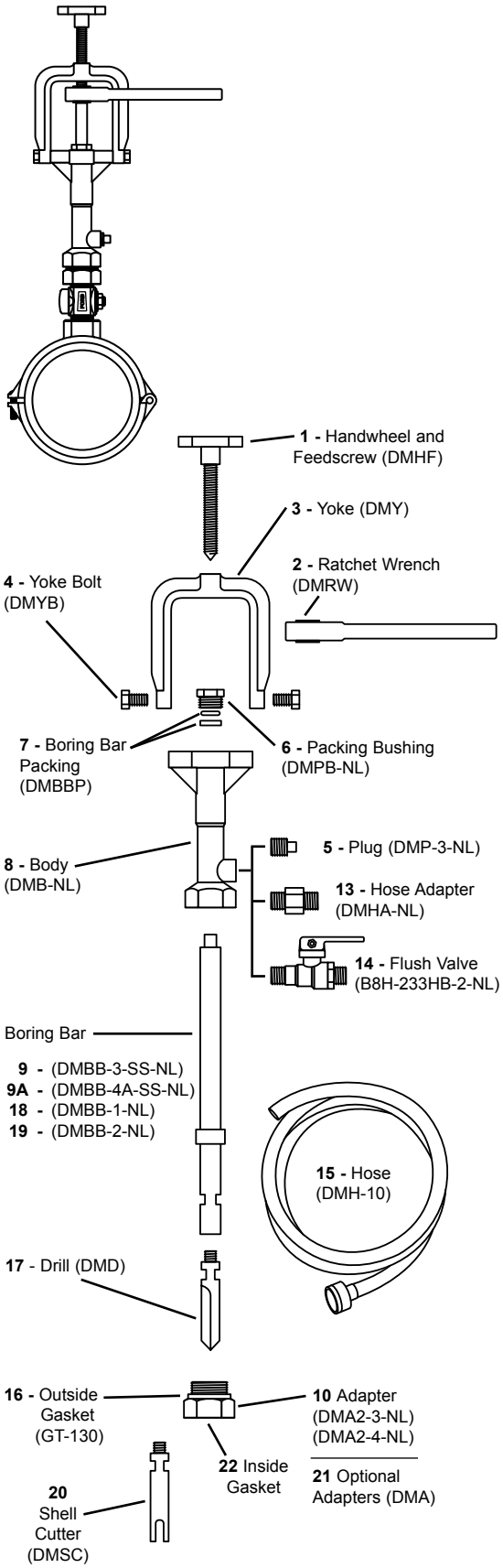


Mechanical Joint Outlet
Available for all tapping sleeves with 3" - 36" outlets



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	**DMA2-3-NL**
	1" Flare Copper Adapter with Gaskets	**DMA2-4-NL**
11	Open End Adjustable Wrenches (2 - one each 8" & 10")	**DMAW-PR**
12	Tool Box	**DMTB**

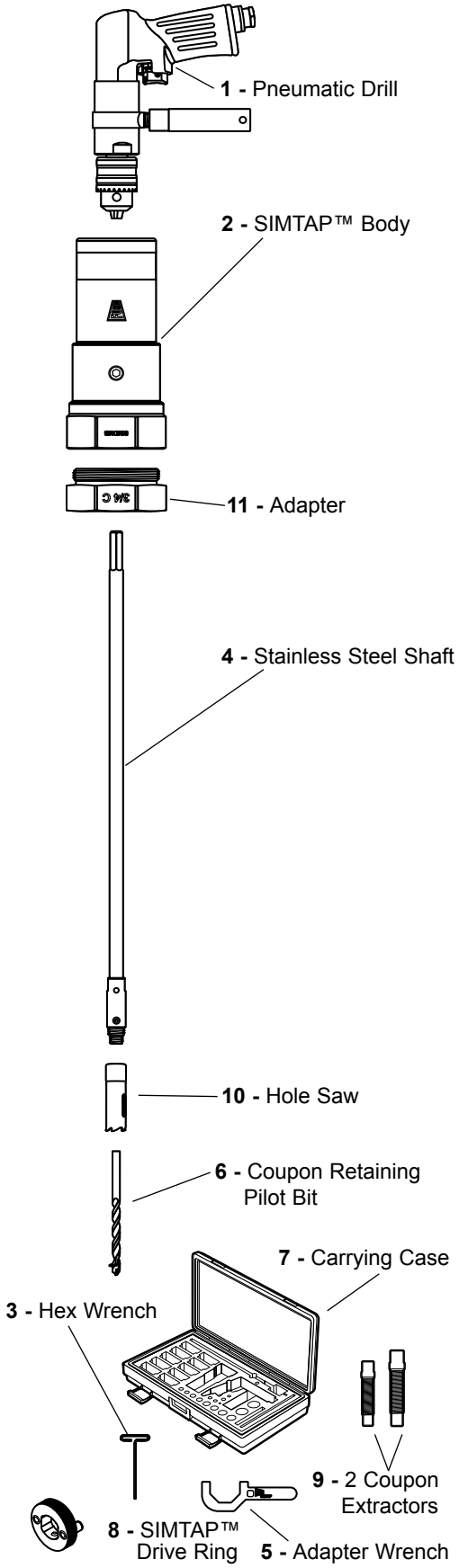
OPTIONAL ITEMS

–	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**

OPTIONS FOR 1/2" - 1-1/4" DRILLING REQUIREMENTS

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.



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	
11	**SIMDMA1-3-NL**	3/4" Iron Pipe Thread Adapter	(Red)
	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	
SIMDMA6-3-Q-NL	3/4" PEP Quick Joint Thread Adapter	(Aqua)
SIMDMA1-5-NL	1-1/4" Iron Pipe Thread Adapter	(Black)
SIMDMA2-5-NL	1-1/4" Flare Copper Thread Adapter	(Pink)
SIMDMA4-5-Q-NL	1-1/4" CTS Quick Joint Thread Adapter	(Silver)
SIMDMA1-8-NL	2-1/2" Iron Pipe Thread Adapter	(Silver)
SIMDMHS-5-NL	1-1/8" Hole Saw	
SIMDMSC-3-PVC-NL	11/16" Shell Cutter for PVC (Asbestos Cement)	
SIMDMSC-4-PVC-NL	7/8" Shell Cutter for PVC (Asbestos Cement)	
SIMDMSC-5-PVC-NL	1-1/8" Shell Cutter for PVC (Asbestos Cement)	
SIMDMSC-6-PVC-NL	1-3/8" Shell Cutter for PVC (Asbestos Cement)	
SIMDMSC-7-PVC-NL	1-7/8" Shell Cutter for PVC (Asbestos Cement)	
****SIMDMSC-6-PVC-HDPE-NL**	1-3/8" Shell Cutter for PVC or HDPE	
****SIMDMSC-7-PVC-HDPE-NL**	1-7/8" Shell Cutter for PVC or HDPE	
SIMDMBB-285-SS-NL	Stainless Steel Shaft with Dual Arbor - 28-1/2" Long	
SIMDMPD-5-5-NL	1/4" Coupon Retaining Pilot Bit - 5-1/2" Long for HDPE	

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"

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

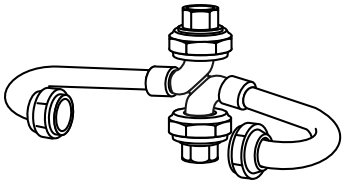
SIZE OF INLETS - OUTLETS (one end – other end)
1 = 1/2"
2 = 5/8"
3 = 3/4"
4 = 1"

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

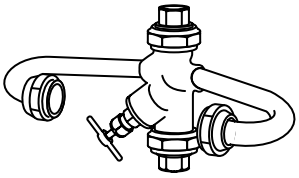
NO-LEAD

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.

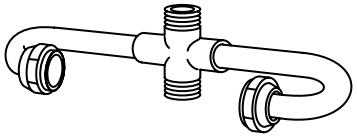
Copperhorns
For metering ***new*** services



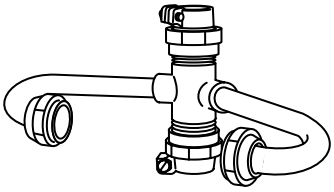
Valve Copperhorns
For metering ***new*** services



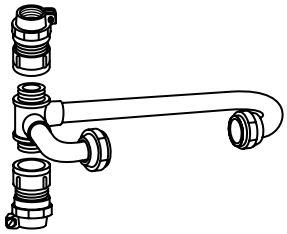
Plumbhorns
For metering ***new*** services



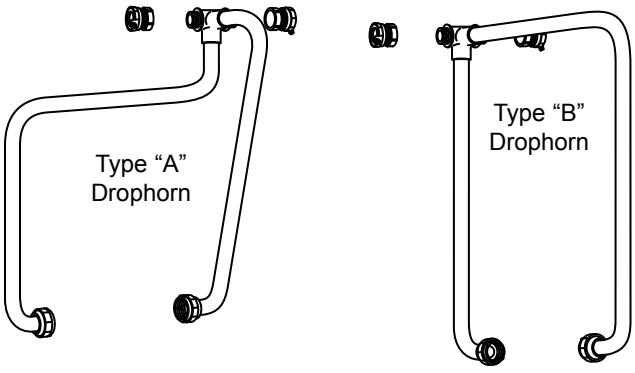
Handyhorns
For metering ***new or existing*** services
(setters with integral inlet - outlet
Pack Joint connections)



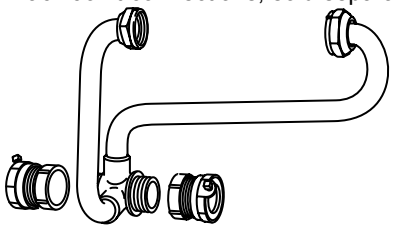
Kornerhorns
For metering ***existing*** services
(setters with removable & interchangeable valves
and Pack Joint connections, sold separately)



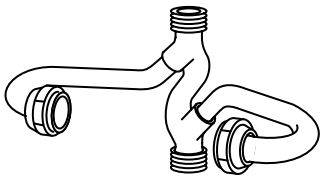
Dropphorns
For metering ***existing*** services
(setters with removable & interchangeable valves
and Pack Joint connections, sold separately)



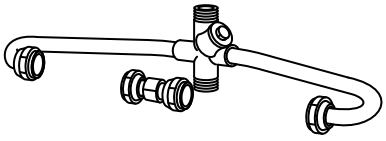
Pretzelhorns
For metering ***existing*** services
(setters with removable & interchangeable valves
and Pack Joint connections, sold separately)



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

◊ *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)

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)

METER SIZE

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

YLB JP 1 2 2 - 2 3 3 - T-NL

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

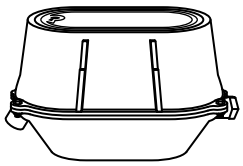
1 = 1/2"
2 = 5/8"
3 = 3/4"
4 = 1"

NO-LEAD

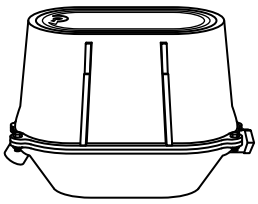
Note: See item listings in this catalog section to ensure desired sizes and options are available.

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

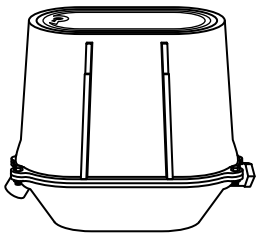
Yokeboxes are available with a variety of options and configurations including a straight or angle inlet. Outlet cartridge dual check valves are also available on Long Yokebox and Long Double Gulfbox styles.



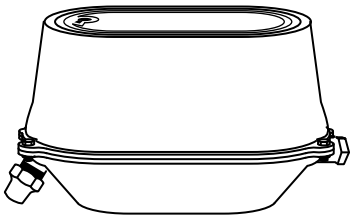
EXTRA SHALLOW TYPE (YS)
For modern magnetic or multi-jet meters (center line of meter 5" below grade)



SHALLOW TYPE (YL)
(center line of meter 8" below grade)

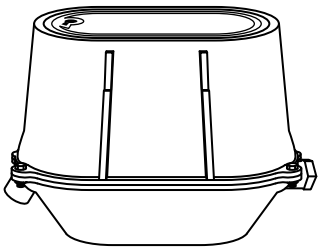


DEEP TYPE (YM)
(center line of meter 10" below grade)

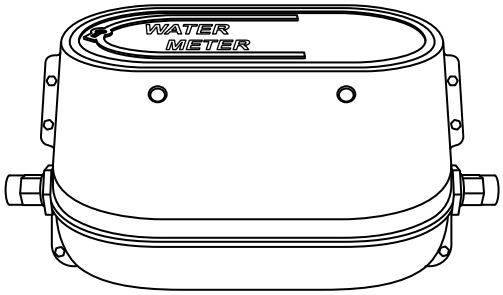


LONG YOKEBOX (SHALLOW)
(with a cartridge dual check valve included, located completely within the Yokebox)

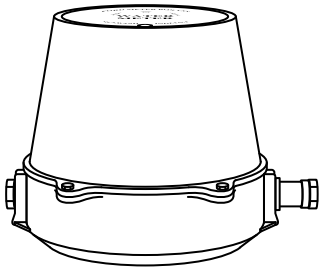
YOKEBOXES FOR 3/4" METER



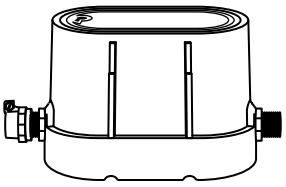
LONG YOKEBOXES FOR 1" METER
(Cartridge dual check valve within the Yokebox)

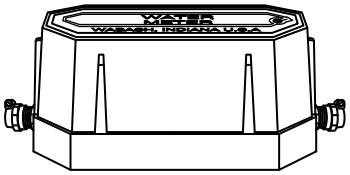


YOKEBOXES FOR 1" METER



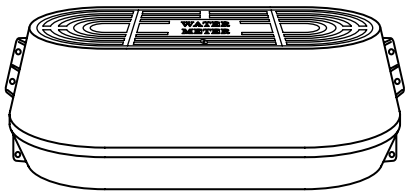
GULFBOXES FOR 5/8" AND 5/8"X3/4" METER



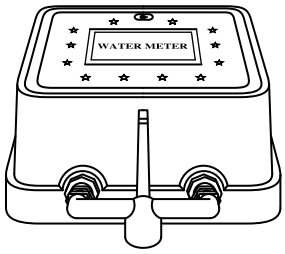


"Long Gulfboxes" are available for use when a cartridge dual check valve is required.

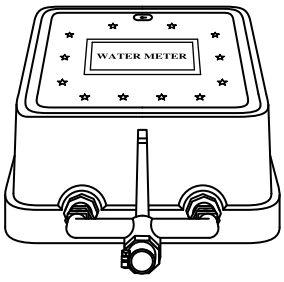
PROTECTOR METER BOXES
For 1-1/2" and 2" meters



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

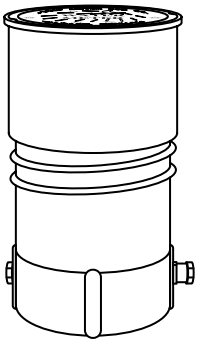


LONG DOUBLE GULFBOXES
For 5/8" and 5/8"x3/4" meters



"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

A 3 2 H H - T

LID SIZE

(This code also represents the tile size when only one digit is listed, see tile size for code representation.)

- **1** = 8"
- **2** = 9-1/2"
- **3** = 11-1/2"
- **4** = 11-1/2" (except X43 has a 13-1/2" lid)
- **5** = 15"
- **6** = 18"
- **7** = 20"
- **8** = 21"

TILE SIZE

(If this number is not indicated, the lid size code number designates the tile size code number also)

- **1** = 15"
- **2** = 18"
- **3** = 20"
- **4** = 21"
- **-1-4** = 15"-21" (adjustable cover with 11-1/2" lid only)

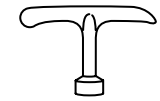
OPTIONS

- **BR** = Plastic ERT Bracket (11-1/2" plastic lids and PPSC iron covers only)
- **LB** = Large Pentagon Bolt
- **LL** = Lockless Lid (iron lids only)
- **T** = Single Electronic Meter Reading Lid, 2" hole
- **TT** = Double Electronic Meter Reading Lid, two 2" holes
- **TP** = Single Electronic Meter Reading Lid, with removable plug
- **TTP** = Double Electronic Meter Reading Lid, with removable plugs

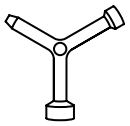
Note: See item listings in catalog section to ensure that desired sizes and options are available.

* “F” placed before cover type code designates “Frame Only”

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



Key Nos. 1 & 1-B



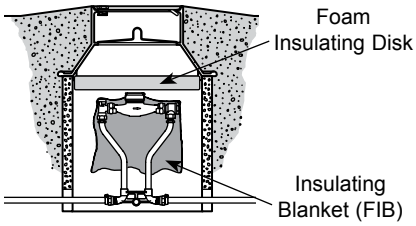
Key No. 2



Key No. 3

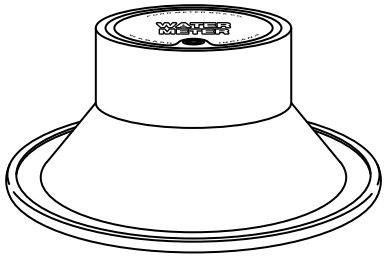


Key No. 4



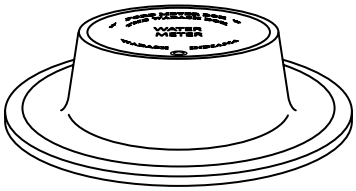
Wabash Double Lid Covers

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



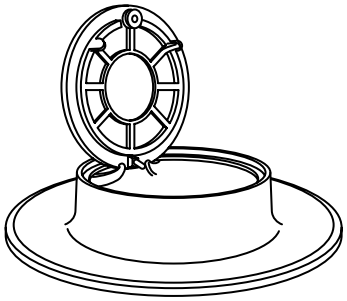
Type "C" Single Lid Covers

Overlapping style top lid, 4" cover depth



Type "X" Single Lid Covers

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



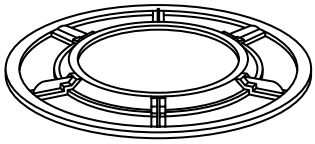
PMBC-3 Plastic Single Lid Cover

Overlapping style top lid, 4" cover depth



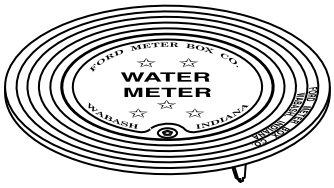
Extension Rings

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



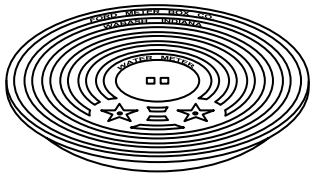
Flat Meter Box Covers

Type "KA" flat covers with inset style lids



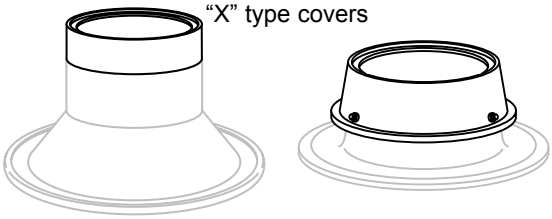
One Piece Flat Covers

(no separate top lid)



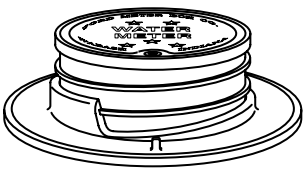
Elevator Rings

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



Adjustable Cover

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

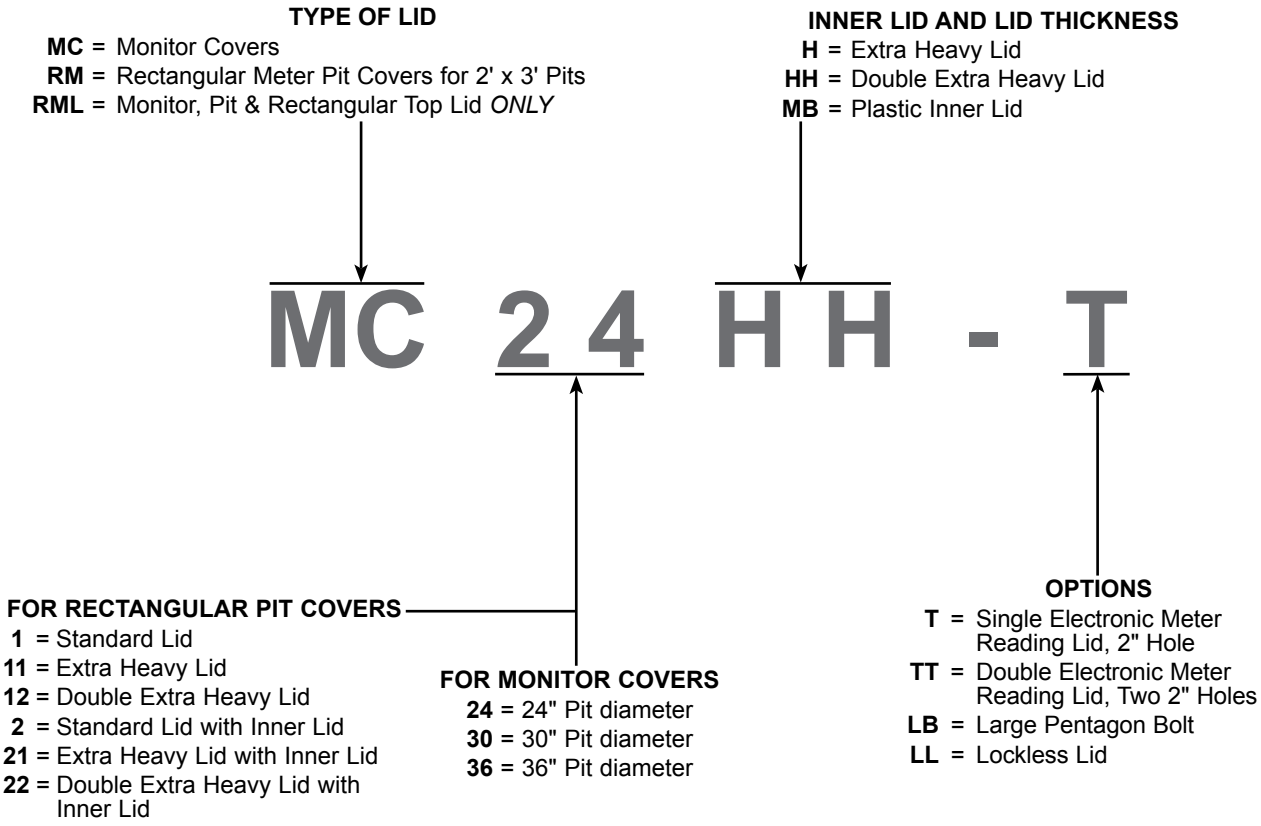


Inset Style Top Lid with Anchor Spikes on Frame

4" cover depth

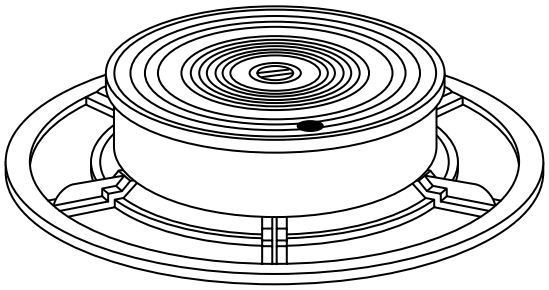


24" and Larger Meter Pit Covers

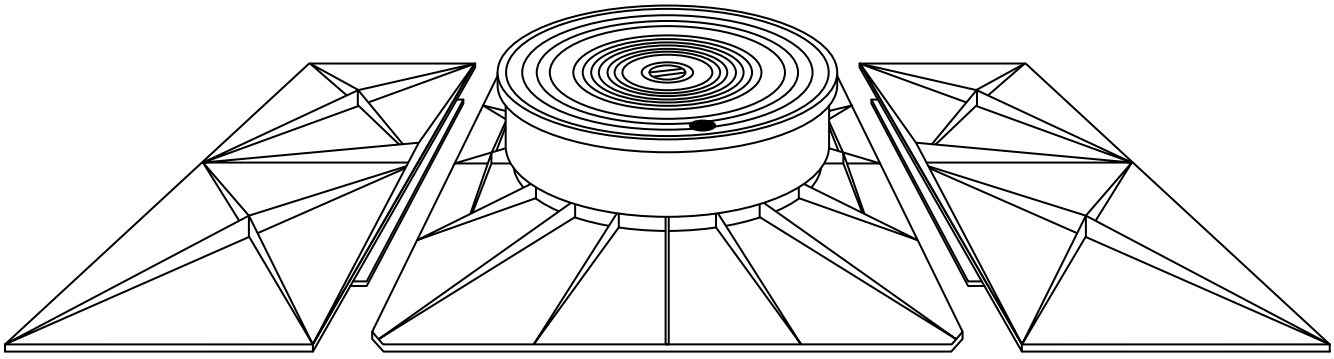


Note: See item listings in catalog section to ensure that desired sizes and options are available.

Monitor Covers
(for large settings)



Rectangular Meter Pit Covers



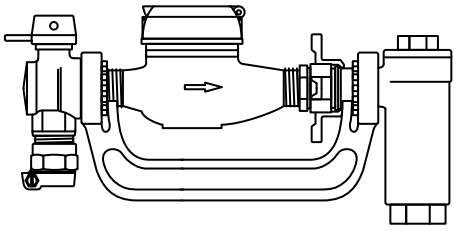
METER YOKES
Catalog Section E - Numbering System

IRON YOKE BAR
5 = 500 Series Yoke Bar
2 = 200 Series Yoke Bar with Integral Female Iron Pipe Thread Outlet

Y 5 0 1 P

OPTIONAL FEATURE
Prongs for Support Pipe, 500 Series only

METER SIZE
1 = 5/8"
2 = 5/8"x3/4"
3 = 3/4"
4 = 1"



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.

YOKE PARTS & OPTIONS

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 HHCACR- 323W-NL.

VALVE SIZE
2 = 5/8"
3 = 3/4"
4 = 1"

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 with Tracer Wire Terminal
-U-AWT = Ultra-Tite (consists of components assembled watertight)
W = Padlock Wings

B A 9 2 - 2 1 3 W-NL

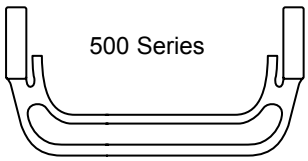
TYPE OF INLETS - OUTLETS
(one end - other end)
1 = Female Iron Pipe Threads
2 = Flare Copper Tube Nut
3 = Meter Nut or Flange
4 = Pack Joint for Plastic or Copper Tube (CTS)
5 = Pack Joint for Iron Pipe
6 = Pack Joint for PE Pipe
7 = Pack Joint for PVC Pipe (Schedule 40 & 80)
8 = Male Iron Pipe Threads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

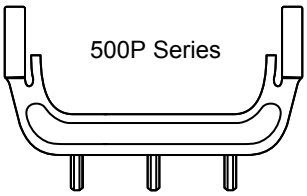
METER SIZE
1 = 5/8"
2 = 5/8"x3/4" and 3/4"
4 = 1"

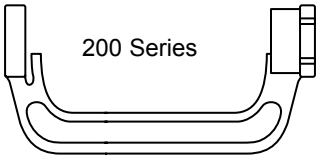
SERVICE LINE SIZE
1 = 1/2"
3 = 3/4"
4 = 1"

NO-LEAD

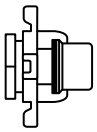
Iron Yoke Bars


500 Series


500P Series

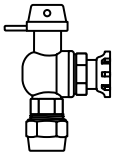

200 Series

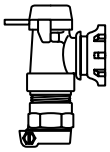
Yoke Expansion Connections

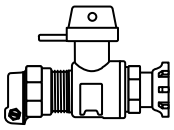

Standard

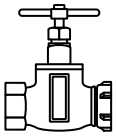

Wrench Type

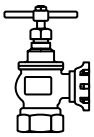
Inlet Valves for Yokes


Angle Ball Valve

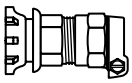

Angle Key Valve

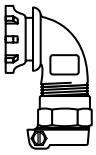

Straight Ball Valve

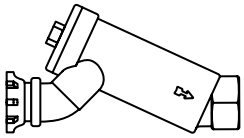

Straight Compression Valve

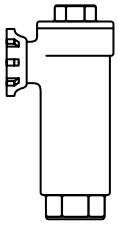

Angle Compression Valve

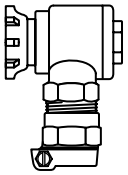
Outlet Pieces and Check Valves for Yokes

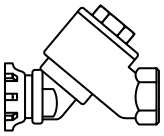

Straight Outlet Piece


Ell

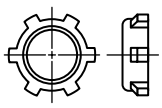

Straight Cartridge Dual Check Valve


Angle Cartridge Dual Check Valve


Angle Dual Check Valve

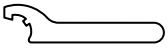

Straight Dual Check Valve

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
- ∆ **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
- ∆ **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
- * Coppersetters 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" Coppersetters only

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

1-1/2" and 2" Coppersetters 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▲

V 7 2 - 12 W - 4 4 - 3 3 - 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" Coppersetters)
- **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" Coppersetters 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

∆ 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.

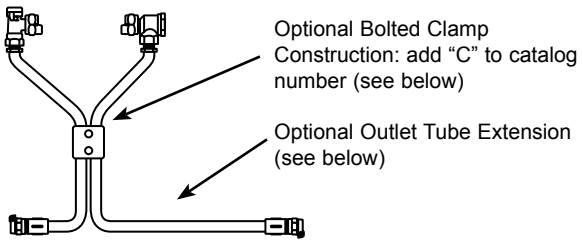
Note: 5/8" x 3/4", 3/4" and 1" setters with angle ball valve will have a reduced port that usually provides suitable water flow. A full port ball valve is available at an additional cost; add "-FP" to end of catalog number and contact the factory for pricing.

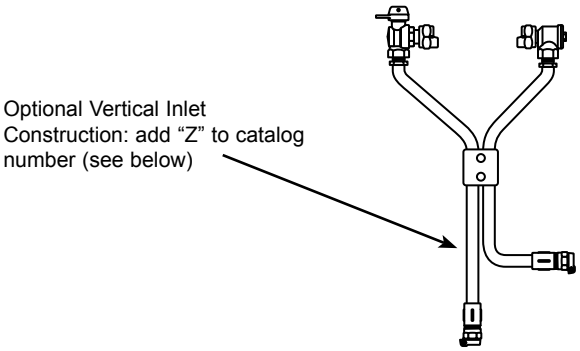
▲ Ford Meter Box no-lead brass products manufactured from UNS/CDA No. 89833 alloy shall contain no more than 0.25% total lead content by weight. United States federal and state laws allow the use of products manufactured from UNS C83600 85-5-5-5 brass alloy for only non-potable water systems within the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





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.

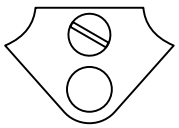
INLET TUBE OPTIONS FOR 90 SERIES COPPERSETTERS

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-11-33**Z**A-NL has a vertical inlet and a 15" extended outlet.

BRACE EYE (NOT FACTORY ASSEMBLED) FOR 90 SERIES COPPERSETTERS



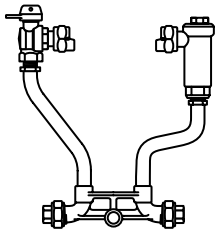
Brace Eye

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

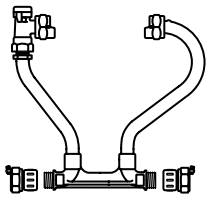
NOTE: The brace eye options listed as BRE-92, BRE-93 and BRE-94 above are NOT factory assembled on the Coppersetter and are for field installation.

Coppersetters

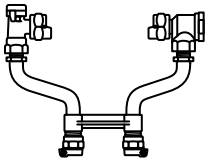
70 Series Coppersetters
For 5/8", 5/8"x3/4", 3/4" & 1" meters



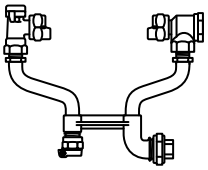
270 Series Coppersetters
With removable Pack Joint assemblies
for 5/8", 5/8"x3/4", 3/4" & 1" meters



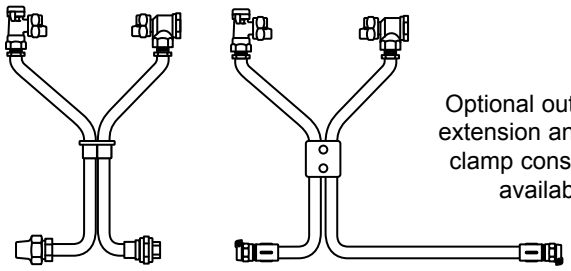
80 Series Coppersetters
With vertical inlet and outlet
for 5/8", 5/8"x3/4", 3/4" & 1" meters



70-80 Series Coppersetters
With vertical inlet and horizontal outlet
for 5/8", 5/8"x3/4", 3/4" & 1" meters

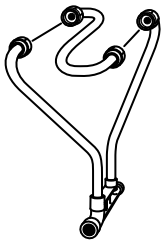


90 Series Coppersetters
For 5/8", 5/8"x3/4", 3/4" & 1" meters

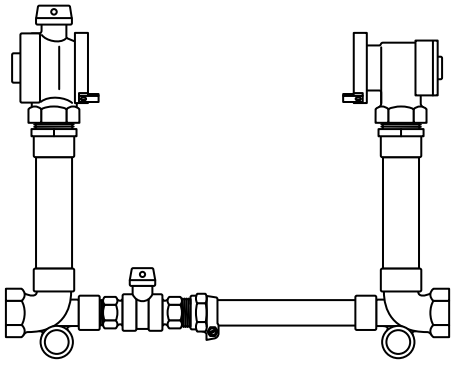


Optional outlet tube extension and bolted clamp construction available.

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



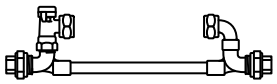
1-1/2" and 2" Coppersetters
For 1-1/2" and 2" flanged meters



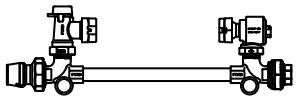
Shown with standard by-pass.
Optional high by-pass is available.

Linesetters

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



For 1" meters

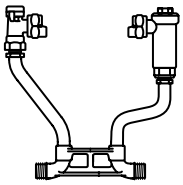


Brace eyes are standard on all linesetters for 1" meters.

Resetters - For Resetting Meter in an Existing Service

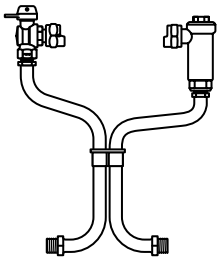
40 Series Resetter

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



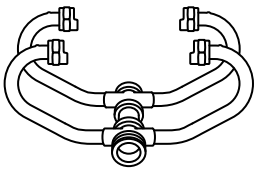
30 Series "Flexible" Resetter

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



Tandem Resetter

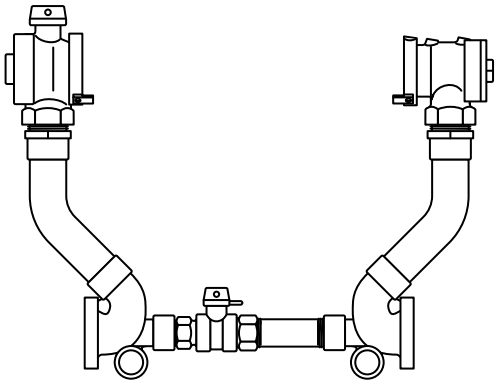
For 5/8", 5/8"x3/4", 3/4" and 1" meters



B Style Tandem Resetter

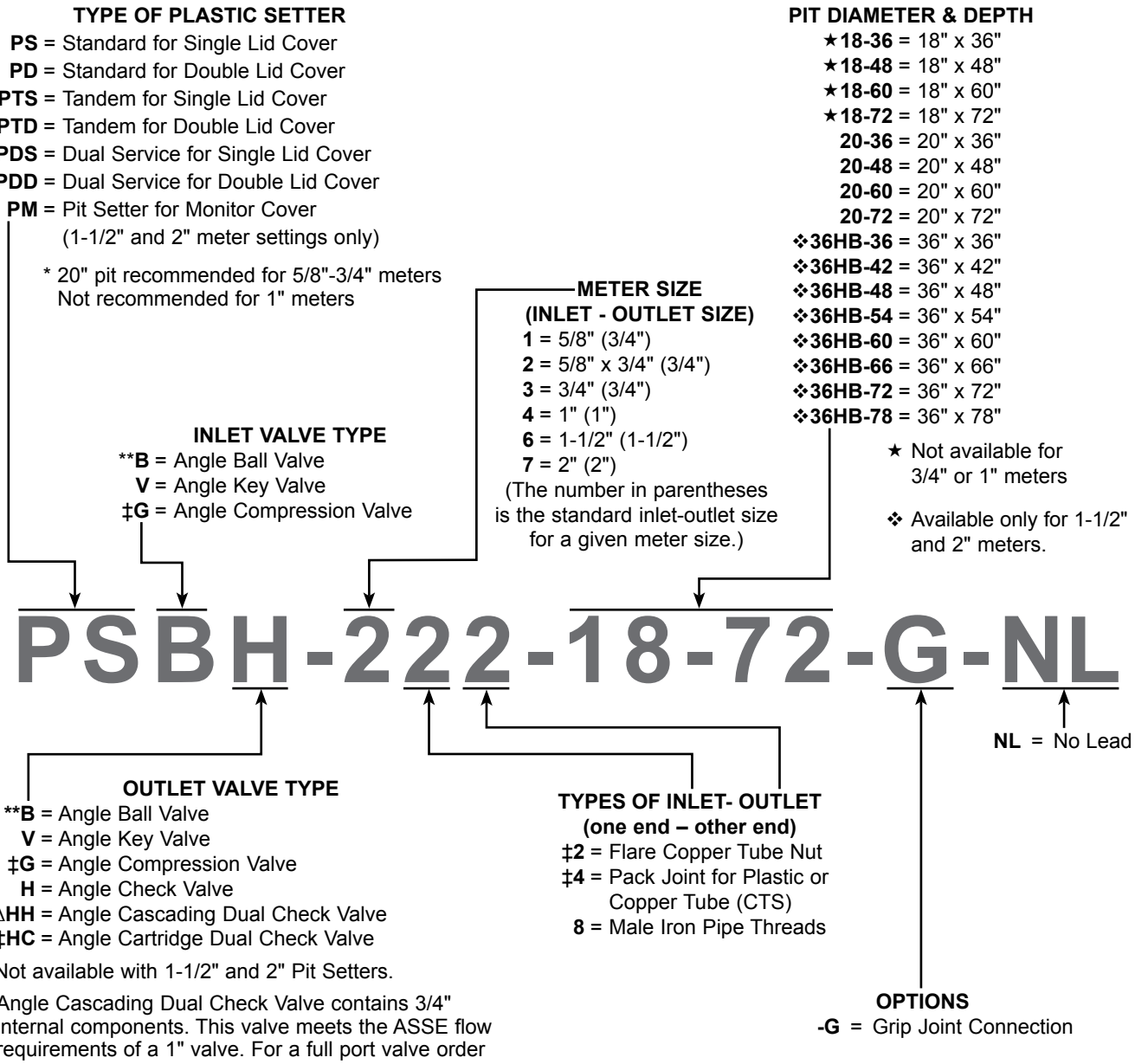
1-1/2" & 2" Resetter

For flanged meters



Shown with standard by-pass.

PLASTIC PIT SETTERS
Catalog Section FA - Numbering System



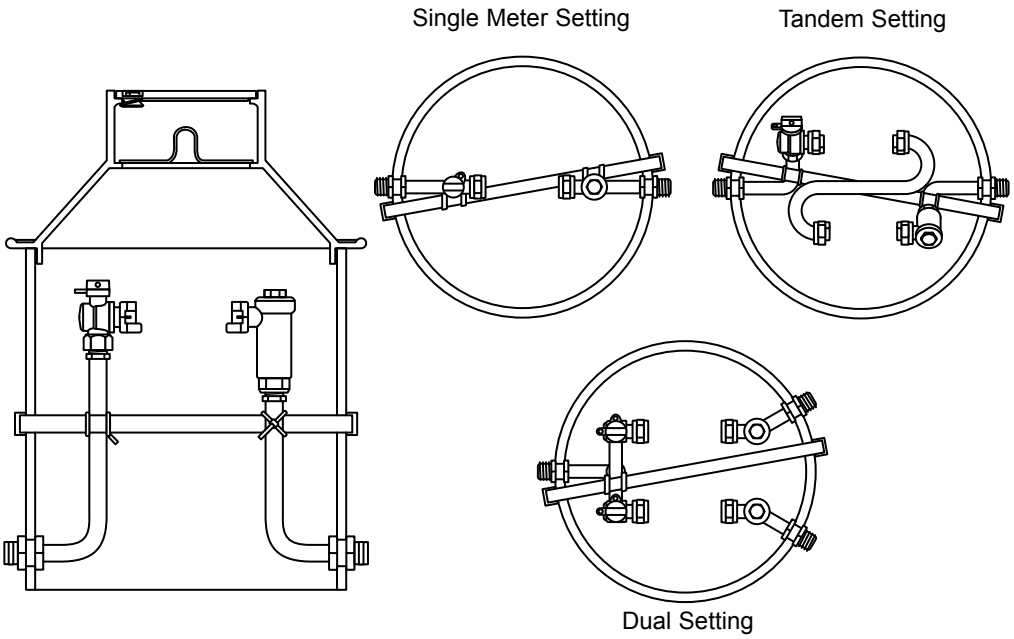
‡ Not available with 1-1/2" and 2" Pit Setters.

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.

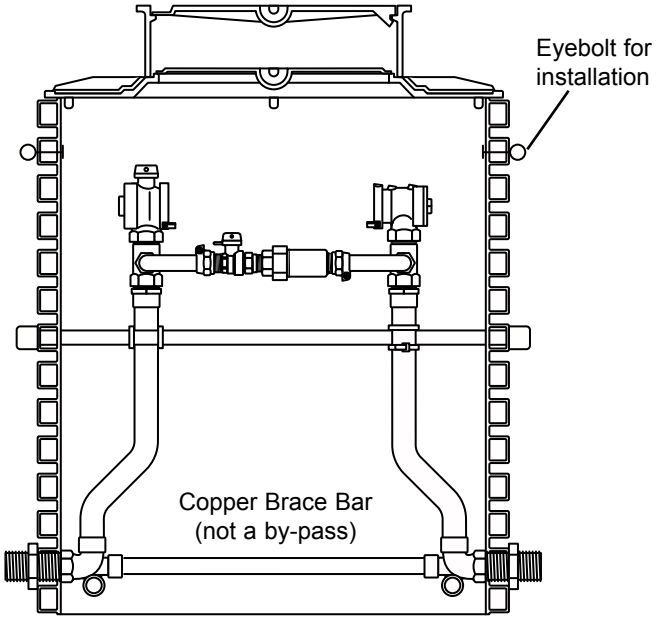
** The 5/8" port angle ball valve is a one-way directional valve designed for the inlet of the meter and should not be used as a customer shut-off on the customer side of the meter. 5/8"x3/4", 3/4" & 1" setters with angle ball valves will be reduced port, unless otherwise specified. Reduced port valves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

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



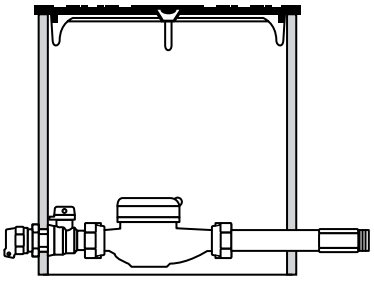
Pit Setter for 1-1/2" and 2" Meters



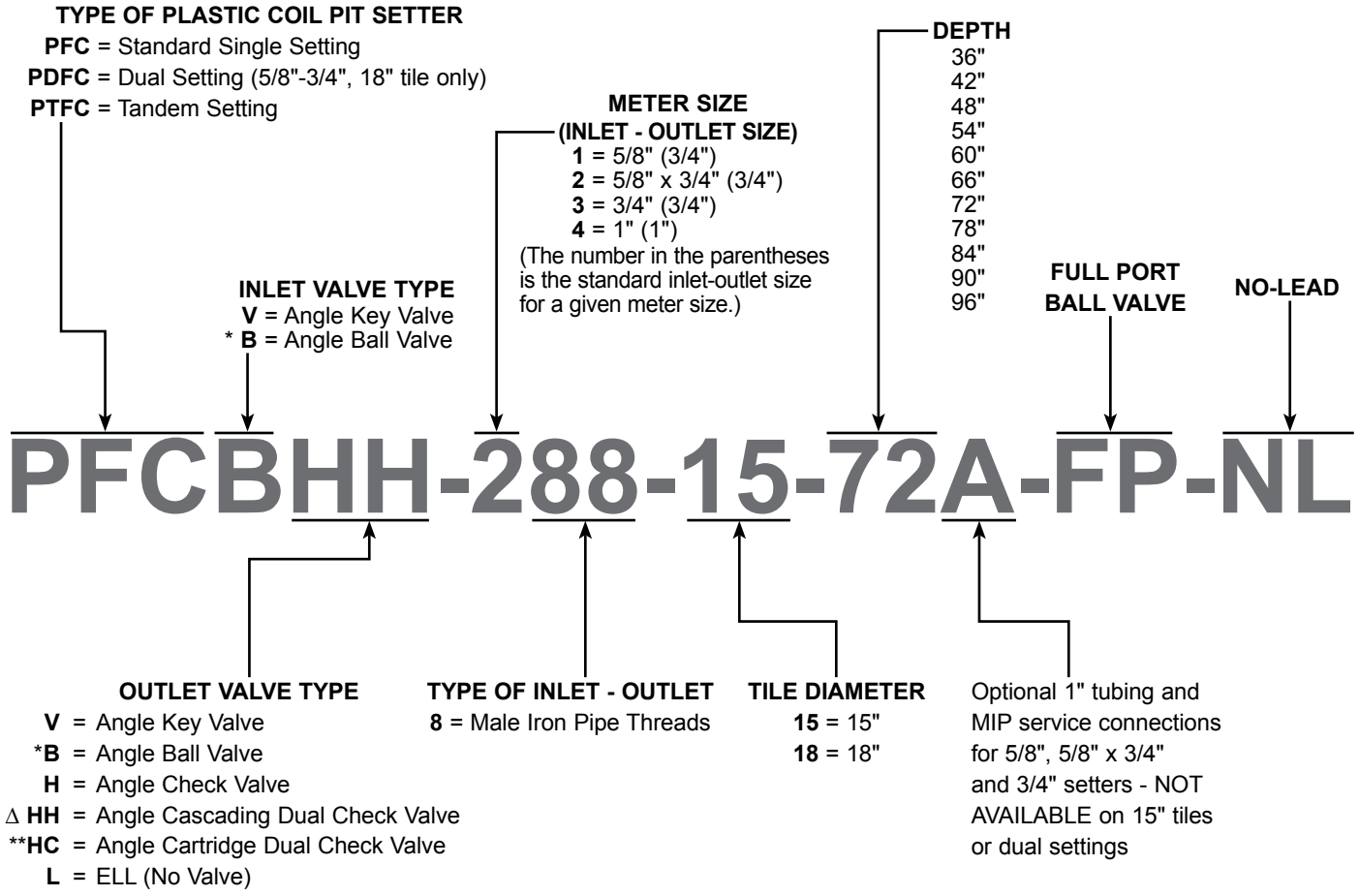
15" Diameter Style “K” Pitsetter

For 5/8"x3/4" Meters

(for moderate climates)



COIL PIT SETTERS
Catalog Section FA - Numbering System

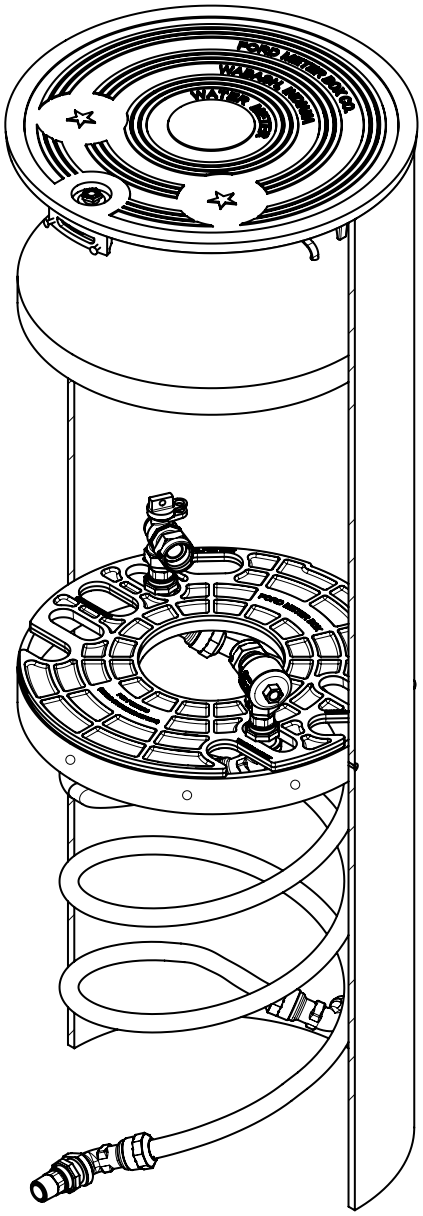


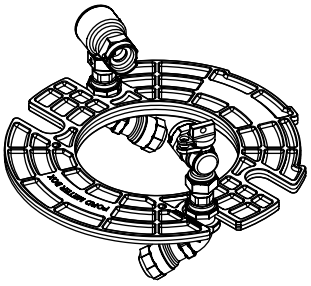
* Angle Ball Valve is a one-way directional valve designed for the inlet side of the meter and should not be used as a customer shut-off on the customer side of the meter. Setters with angle ball valves will be reduced port, unless otherwise specified. Reduced port valves usually provide suitable water 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

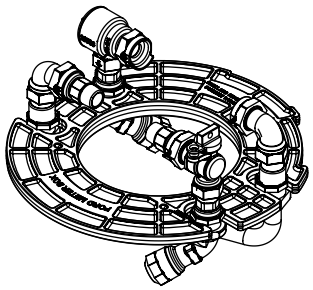
Δ 1" Angle Cascading Dual Check Valve contains 3/4" internal components. This valve meets the ASSE flow requirements of a 1" valve. For a full port valve order the cartridge style check valve.

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





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 AND BRANCH VALVE ASSEMBLIES
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)

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

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"

B 4 3 - 3 4 2 W-NL
UV 4 3 - 4 2 W-NL

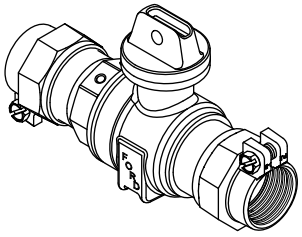
NO-LEAD

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'

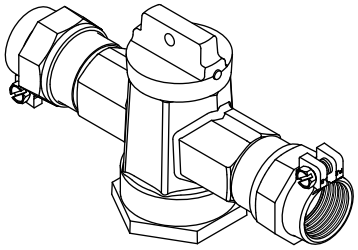
OPTIONAL FEATURES
D = Test/Drain Valve
-G = Grip Joint (for 3/4" - 2" CTS and 3/4" and 1" PEP)
-IDR7 = Inner Dimension Ratio for 1-1/2" and 2" PE Pipe
M = Minneapolis Pattern
-NE = New England Threads
-OR = Open Right
-Q = Quick Joint
R = (360˚ tee-head rotation)
SW = Stop & Waste
-TW-Q = CTS Quick Joint 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.

Curb Stops

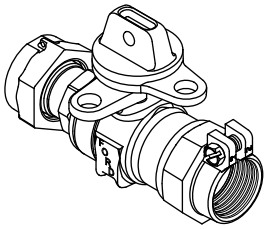


Ball Valve Curb Stops

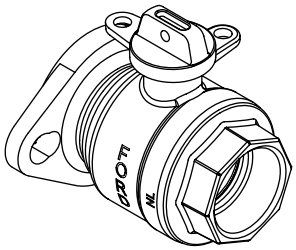


Inverted Key Curb Stops

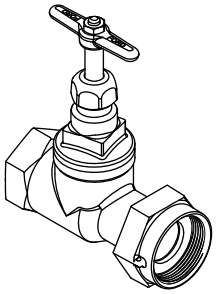
Straight Meter Valves



Ball Valves

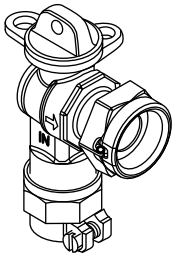


1-1/2" and 2" Flanged
Ball Valves

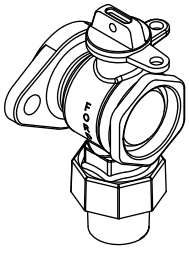


Compression Valves

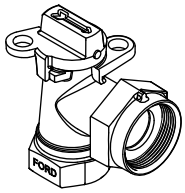
Angle Meter Valves



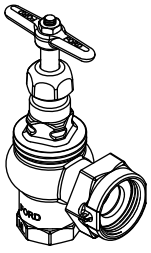
Ball Valves



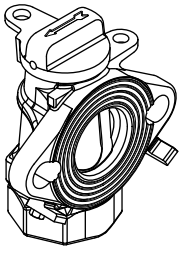
1-1/2" & 2" Flanged
Ball Valves



Key Valves

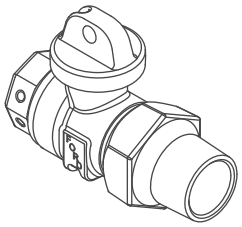


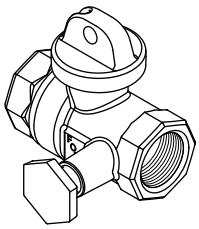
Compression Valves



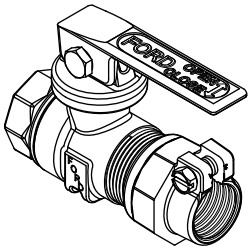
1-1/2" and 2" Flanged
Key Valves

5/8" Straight Ball Service Valves

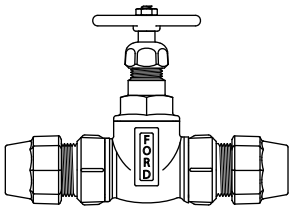


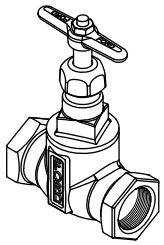


(some valves available with drain/test valve on outlet side of valves)

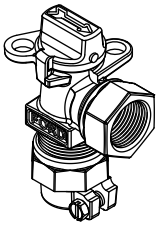


3/4" Straight Compression Globe Service Valves

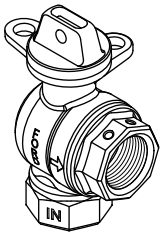




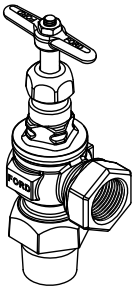
Angle Service Valves



Inverted Key Valves



Ball Valves



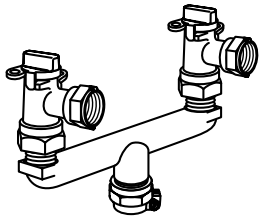
Compression Valves

FORD METER BOX OFFERS A VARIETY OF VALVE OPTIONS.

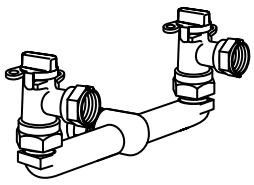
1. Padlock wings are available to allow locking valves in the closed position.
2. Curb Stops are available with a Minneapolis Pattern for threaded Curb Boxes.
3. Many ball valves are available with 360° tee-head rotation option.
4. Selected Ford valves are available with special “New England” iron pipe 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.

Branch Assemblies and Angle Branch Assemblies

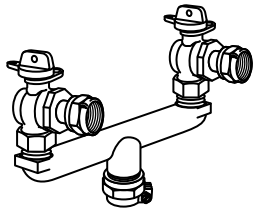
6-1/2" and 7-1/2" spacing between centers of valves



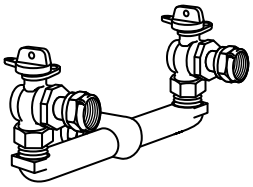
Branch Assembly
with Angle Key Valves



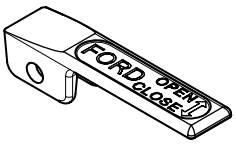
Angle Branch Assembly
with Angle Key Valves



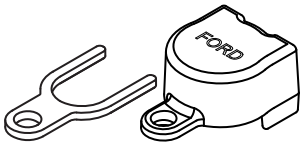
Branch Assembly
with Angle Ball Valves



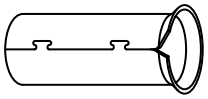
Angle Branch Assembly
with Angle Ball Valves



Handles for Ball Valves
and Inverted Key Valves

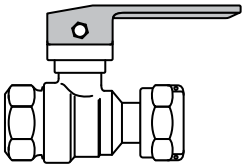


Ball Valve Lock Caps

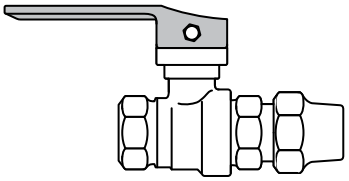


Insert Stiffeners

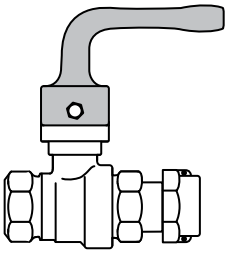
Valve Handles



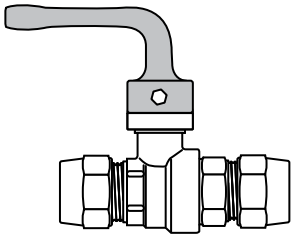
HB-2 for 5/8" Ball Valves
Straight and Angle



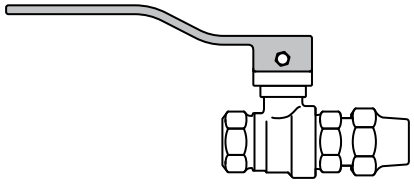
HB-34 (4-3/8") and **HB-34S** (3-3/8")
for 3/4" and 1" Ball Valves
Straight and Angle



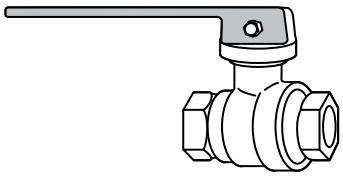
HH-34 for 3/4" and 1" Ball Valves
Straight and Angle



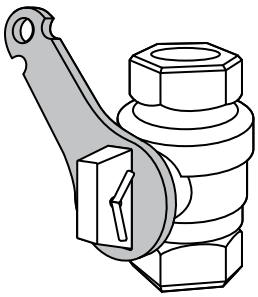
HS-4 for 1-1/4", 1-1/2" and 2"
Straight and Angle Ball Valves



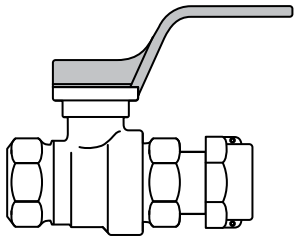
HH-67 for 1-1/4", 1-1/2" and 2"
Straight and Angle Ball Valves



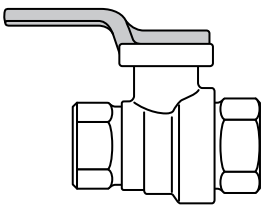
HB-67 (9-1/2" long) and **HB-67S** (4-7/8"
long) 1-1/4", 1-1/2" and 2" Ball Valves



HP-4 for use on Ball Valves
for Pitometer service

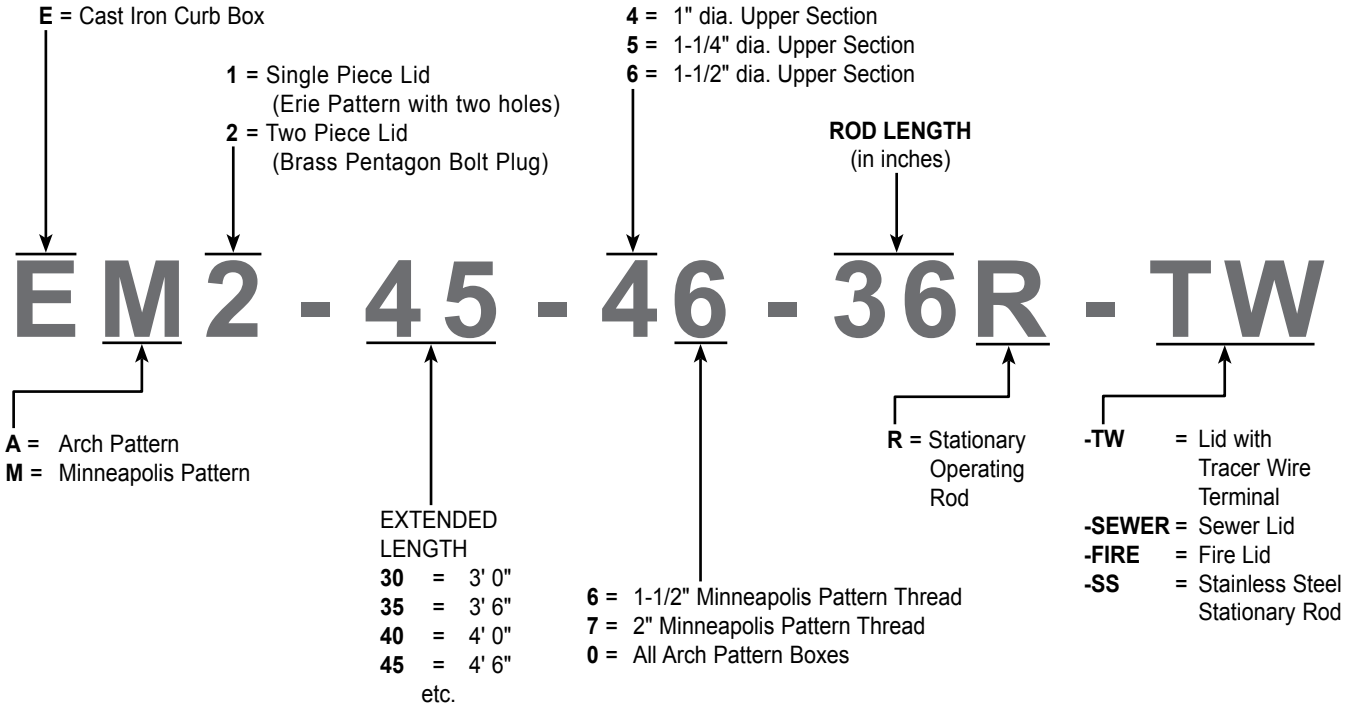


HT-34 for 3/4" and 1" Angle
Ball Valves and 3/4" and 1"
Straight Ball Valves.
(Factory assembled only)



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

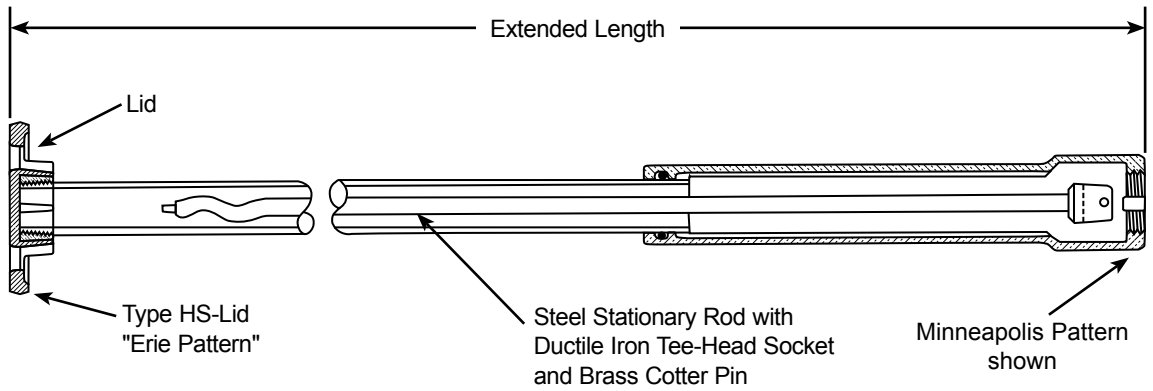
CURB BOXES
Catalog Section GA - Numbering System



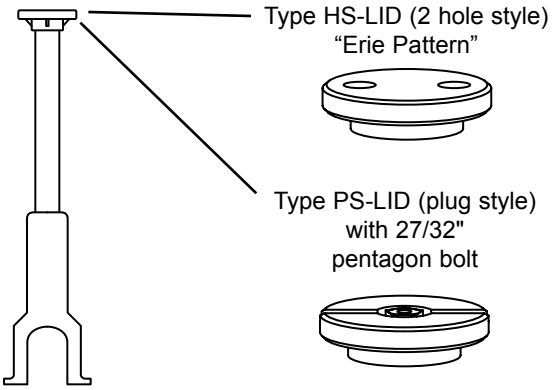
100 = 10'.0" (maximum length available)

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

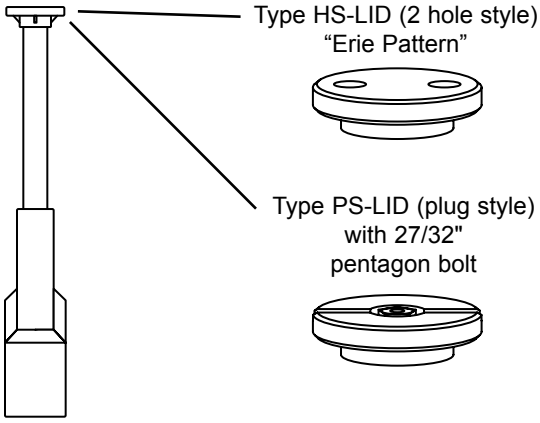
EM1-xx-46-xxR example below:



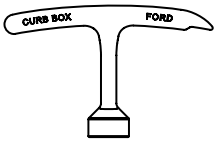
Arch Pattern Curb Boxes



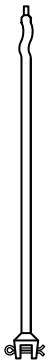
Minneapolis Pattern Curb Boxes



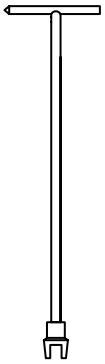
Stationary Rods, Shut-Off Rods and Parts for Curb Boxes



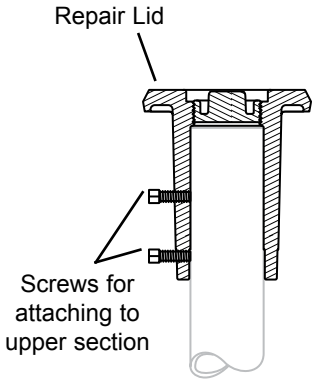
Curb Box
Key



Stationary Rod
(attaches to curb stop
with cotter pin)

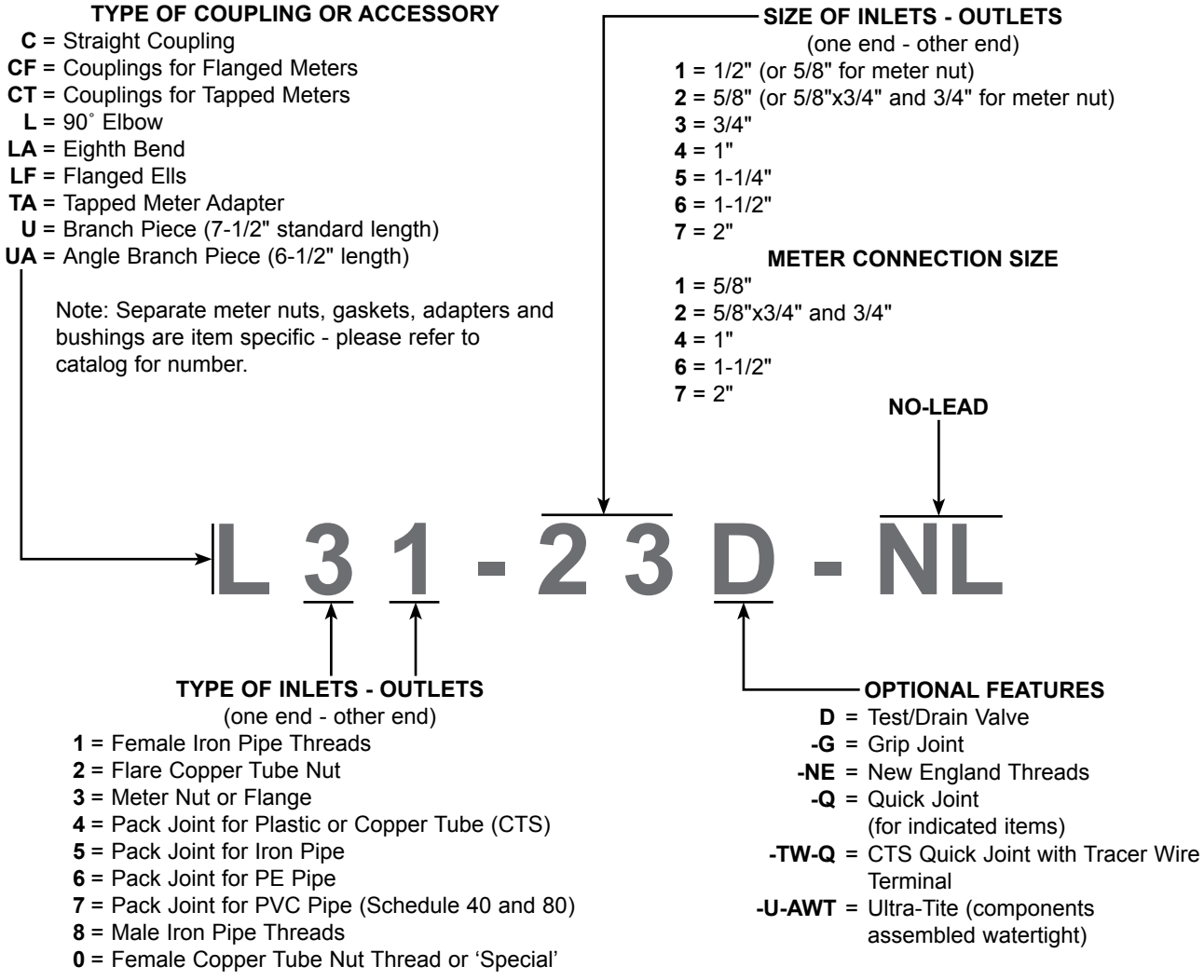


Shut-off Rods
(for curb boxes with 1-1/4" &
1-1/2" upper section)



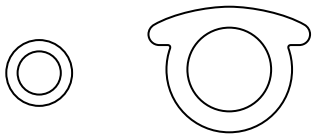
RL
Repair Lid for
PL Type

METER COUPLINGS AND ACCESSORIES
Catalog Section H - Numbering System



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

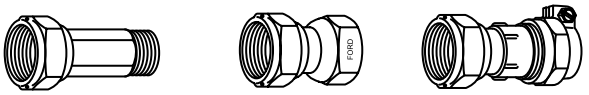
Meter Gaskets



Meter Coupling Nuts



Straight Meter Couplings

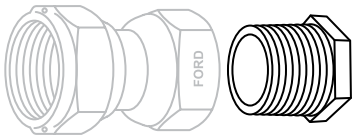


MIP FIP COMPRESSION

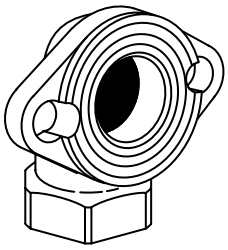
Angle Meter Couplings



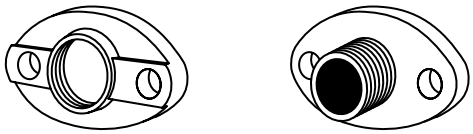
Dielectric Bushings (for insulating service lines)



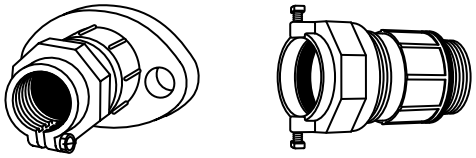
Flange Ells for 1-1/2" and 2" Meters



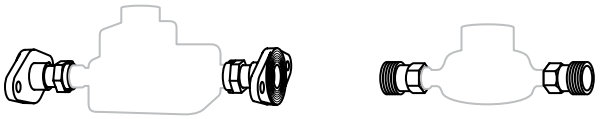
Bronze Meter Flanges



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



Meter Adapters

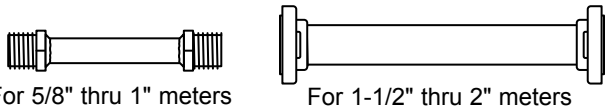


Adapt from 1" to 2" meter with A47-NL adapter

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
HHCHCR = Straight Cartridge Style Dual Valve (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"

NO-LEAD

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

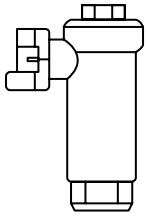
TYPE OF INLETS - OUTLETS
(one end - other end)
1 = Female Iron Pipe Threads
2 = Flare Copper Tube Nut
3 = Meter Nut or Flange
4 = Pack Joint for Plastic or Copper Tube (CTS)
5 = Pack Joint for Iron Pipe
6 = Pack Joint for PE Pipe
7 = Pack Joint for PVC Pipe (Schedule 40 & 80)
8 = Male Iron Pipe Threads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

VALVE SIZE
3 = 3/4"
4 = 1"
6 = 1-1/2"
7 = 2"

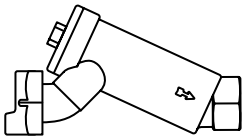
OPTIONAL FEATURES
D = Test/Drain Valve
-G = Grip Joint
TV = Test/Drain Valve On Top Of Cartridge Dual Check Valve Access Cap
-Q = Quick Joint
-TW-Q = CTS Quick Joint with Tracer Wire Terminal
-U-AWT = Ultra-Tite (components assembled watertight)

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

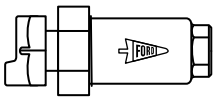
Angle Cartridge Style Dual Check Valves
HHCA Style (in-line accessible)



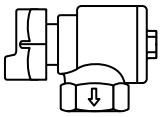
Straight Cartridge Style Dual Check Valves
HHCH Style (in-line accessible)



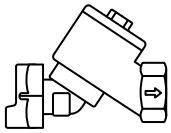
Straight Cartridge Style Dual Check Valves
HHC Style (not in-line accessible)



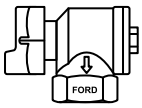
Angle Cascading Dual Check Valves
HHA Style (in-line accessible)



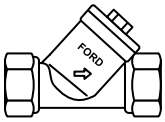
Straight Cascading Dual Check Valves
HHS Style (in-line accessible)



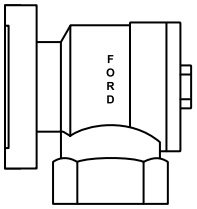
Angle Check Valves
HA Style (in-line accessible)



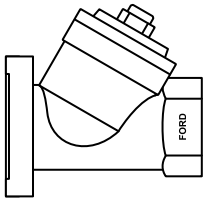
Straight Check Valves
HS Style (in-line accessible)



Single Check Valves with Flanged Inlet for 1-1/2" and 2" Meters
(in-line accessible)

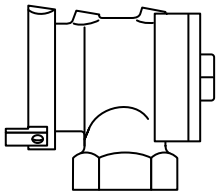


Angle Check Valves



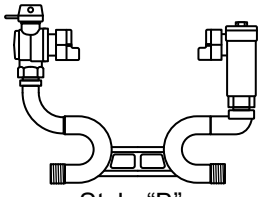
Straight Check Valves

Dual Check Valves with Flanged Inlet for 1-1/2" and 2" Meters
(in-line accessible)

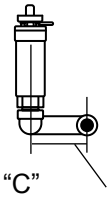


Angle Check Valves

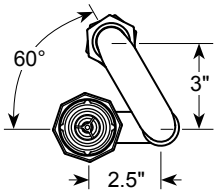
Retrosetters
FOR RETRO-FITTING CHECK VALVES INTO AN EXISTING METER SERVICE



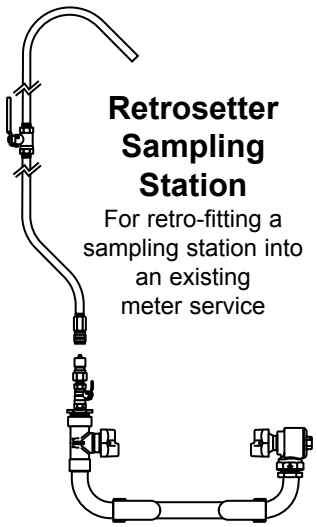
Style “B”



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 Resetters
(With “HA” & “HHA” style check valves)

COUPLINGS FOR PIPE AND TUBING
Catalog Section J - Numbering System

Ford Coupling Numbering System

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

1 = Female Iron Pipe Thread
2 = Flare Copper Tube Nut
4 = Pack Joint for Plastic or Copper Tube
5 = Pack Joint for Iron Pipe
6 = Pack Joint for PE Pipe
7 = Pack Joint for PVC Pipe
8 = Male Iron Pipe Thread
0 = Female Copper Tube Nut Thread or "Special"

G = Grip Joint (3/4" - 2" CTS and 3/4" & 1" PEP)
Q = Quick Joint (for indicated items)
IDR7 = Pack Joint for 1-1/2" and 2" PEP (requires dimension ratio designation)
IDR9 = Pack Joint for 1-1/2" and 2" PEP (requires dimension ratio designation)
TW-Q = CTS Quick Joint with tracer wire terminal
U-AWT = Ultra-Tite Coupling (consists of components assembled watertight)
U = Ultra-Tite Coupling

NO-LEAD

C 8 4 - 3 4 - G - NL

C = Coupling
L = 90° Elbow
LA = Eighth Bend

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

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

Ford Tee Numbering System

TYPES OF INLETS - OUTLETS
(one end/run – other end/run – side outlet)

1 = Female Iron Pipe Thread
2 = Flare Copper Tube Nut
4 = Pack Joint for Plastic or Copper Tube
6 = Pack Joint for PE Pipe
8 = Male Iron Pipe Thread

SIZE OF INLETS - OUTLETS
(one end – other end – side outlet)

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

G = Grip Joint (3/4" - 2" CTS, 3/4" & 1" PEP)
Q = Quick Joint (for indicated items)
U-AWT = Ultra-Tite Coupling (consists of components assembled watertight

T 4 4 1 - 3 3 4 - G - NL

T = Tee
TD = Cut-In Tee

Run
Side Outlet
NO-LEAD

Ford Lead-Pak Numbering System

Lead on One End

Q 2 1 - 3 3 - NL

Lead Strength
1 = Strong
2 = Extra Strong
3 = Double Extra Strong

Other End
1 = Female Iron Pipe Thread
2 = Flare Copper Tube Nut
4 = Pack Joint for Plastic or Copper Tube
6 = Pack Joint for PE Pipe
8 = Male Iron Pipe Thread
S = Solder

SIZES
One End – Other End
1 = 1/2"
3 = 3/4"
4 = 1"
5 = 1-1/4"
6 = 1-1/2"
7 = 2"

NO-LEAD

Q 3 Q 3 - 4 4 - NL

Lead On Both Ends

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

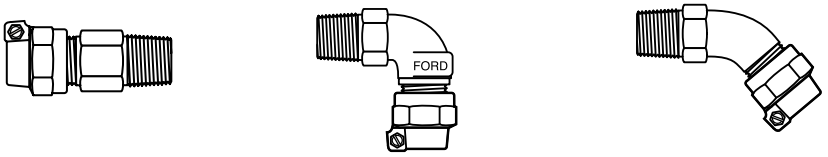
COUPLINGS FOR PIPE AND TUBING
Catalog Section J - Products

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.

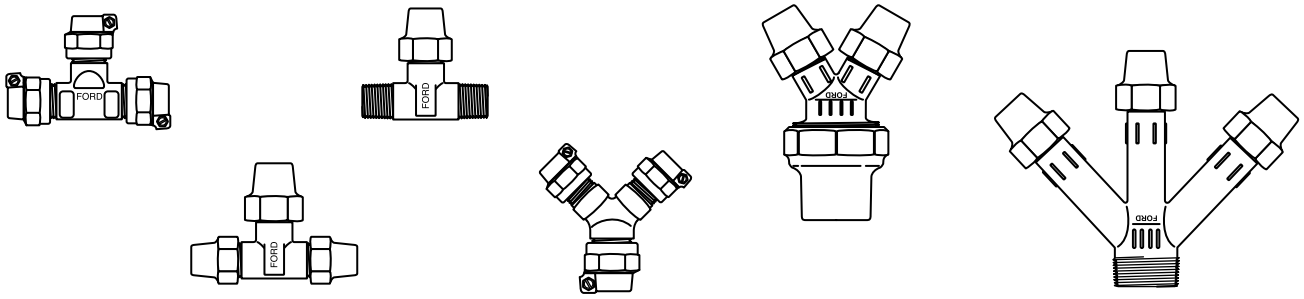
Note: Pack and Grip Joint Nuts are available for 3/4" through 2" CTS and 3/4" and 1" PE Pipe.

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

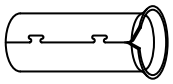


Lead-Pak Couplings

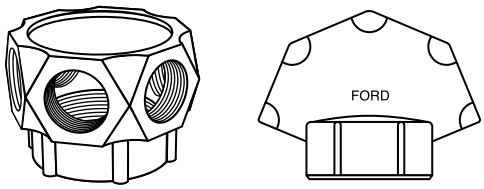
For joining various types of service line material to lead



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
Catalog 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

110ITB-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)

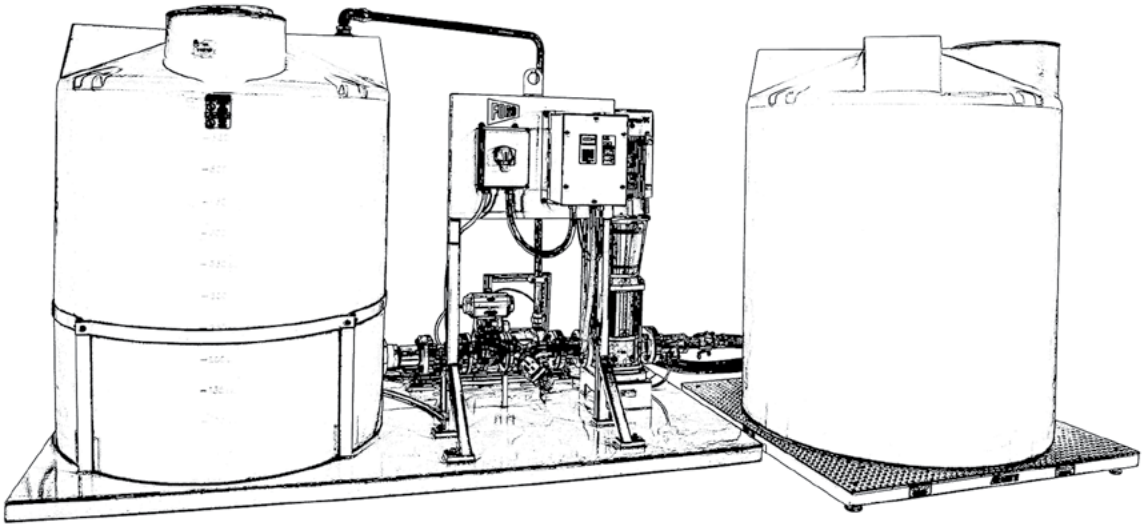
DIRECTION OF FLOW
LR = Left to Right
RL = Right to Left

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

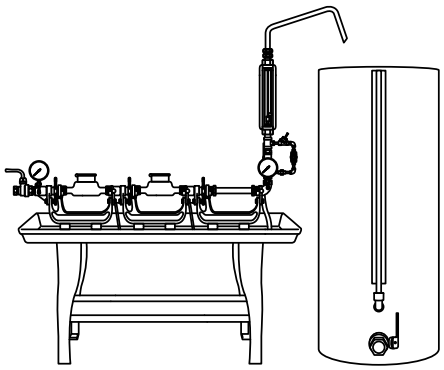
Note: See item listings in catalog section to ensure desired sizes and options are available.

TESTING EQUIPMENT
Catalog Section K - Products

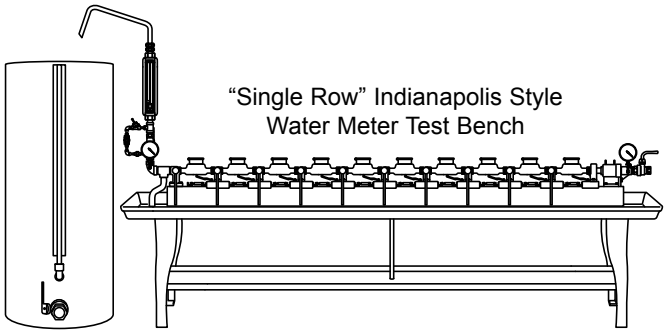
Test Bench Recirculating System (for Indianapolis Test Benches)



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

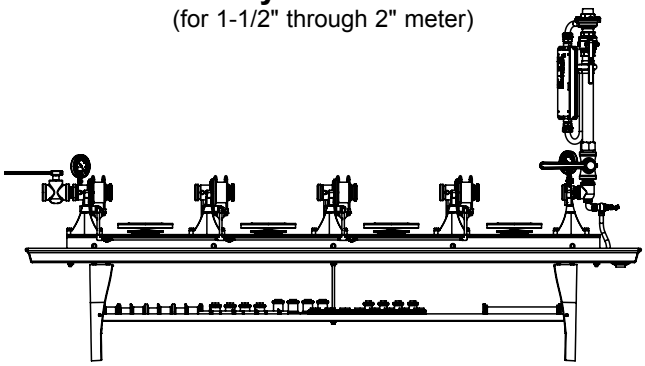


Indianapolis Style Test Benches
(for 5/8" and/or 5/8"x3/4" meter or 5/8" through 1" meter)

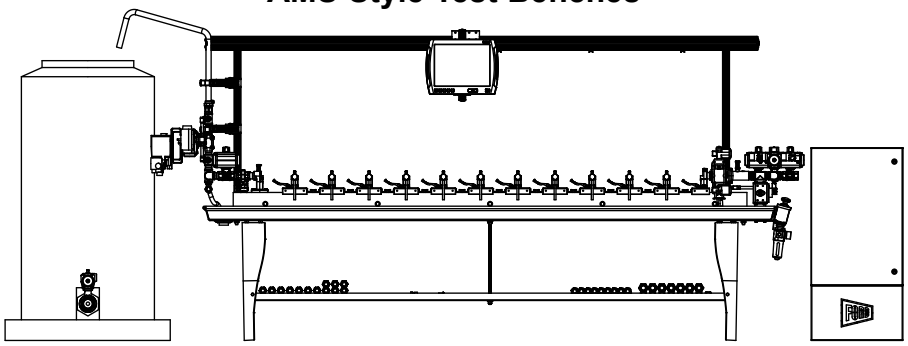


"Single Row" Indianapolis Style
Water Meter Test Bench

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

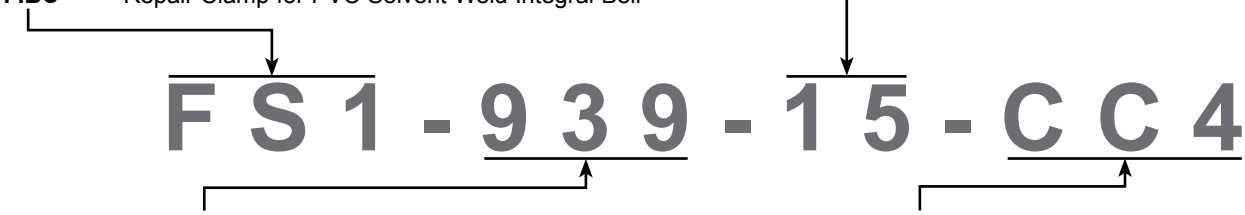
TYPE OF CLAMP

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"



O.D. SIZE

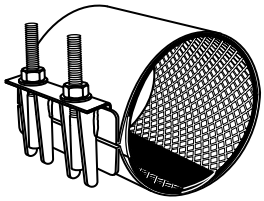
For most clamp styles, the O.D. size number indicates the top end of the range.
Use listed catalog sizes.

OPTIONAL FEATURES

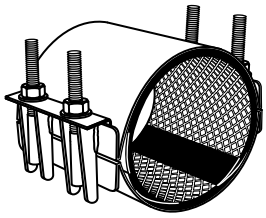
A = Long Starter Bolt
CC3 = 3/4" AWWA Tapped Thread
CC4 = 1" AWWA Tapped Thread
CC5 = 1-1/4" AWWA Tapped Thread
CC6 = 1-1/2" AWWA Tapped Thread
CC7 = 2" AWWA Tapped Thread
CS = Conductivity Strips
EPDM = EPDM Rubber Gasket
E3 = E-Coated Lugs (F1, F2, F3, FCC and FIBC)
IP2 = 1/2" Iron Pipe Tapped Thread
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 = NBR (Buna-N) Rubber Gasket
R = Wrap Clamp, features a 360° gasket (for FSC & FLSC style clamps)
R2 = Dual Armor Wrap Clamp with EDPM 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.

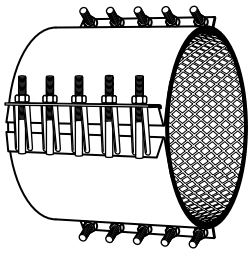
All Stainless Repair Clamps



Style FS1 Single Band
(FSP1 for HDPE)

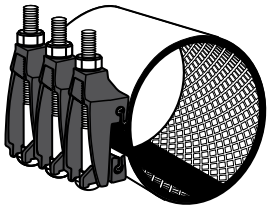


Style FS2 Double Band
(FSP2 for HDPE)

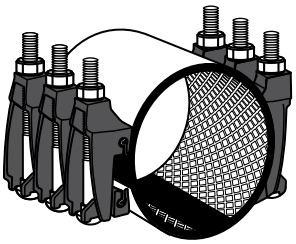


Style FS3 Triple Band
(FSP3 for HDPE)

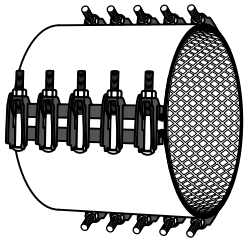
Fordflex Repair Clamps
Stainless Steel Sleeve with Heavy Duty Ductile Iron Lug Construction



Style F1 Single Band
(FP1 for HDPE)

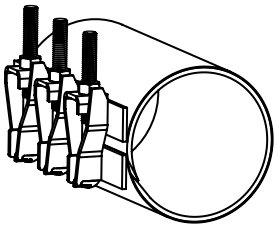


Style F2 Double Band
(FP2 for HDPE)

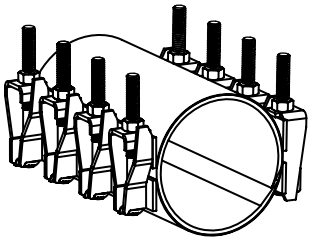


Style F3 Triple Band
(FP3 for HDPE)

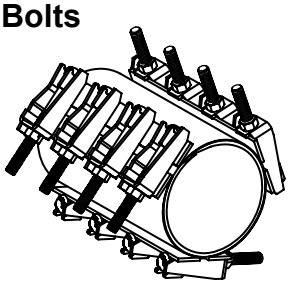
All Stainless Steel Repair Clamps with Removable Bolts



Style FLS1

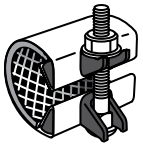


Style FLS2

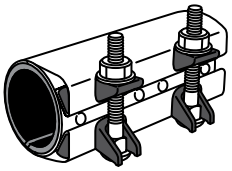


Style FLS3

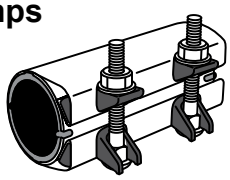
Snap Clamps & Wrap Clamps



Style FSC



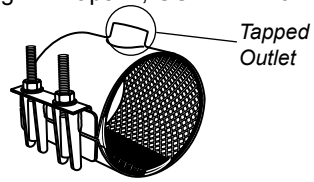
Style FSC “-R”
featuring a 360° gasket



Style FSC “-R2”
featuring a 360° gasket

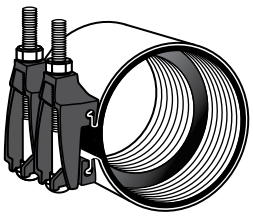
Tapped Outlet - Available on all Repair Products

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

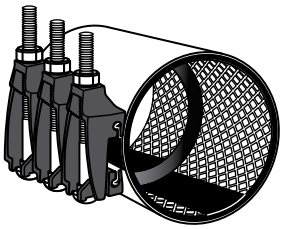


Coupling & Integral Bell Clamp for PVC

Style FCC
(Schedule 40
Solvent Weld PVC)

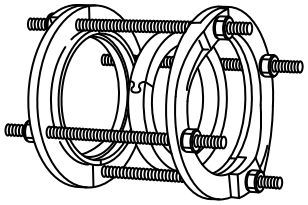


Style FIBC
(Class 160 and
200 Solvent Weld PVC)



Bell Joint Leak Clamps

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



BOLTED FLEX COUPLINGS
Catalog 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 — other end

OD SIZE

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

MJFA-6-I

NOMINAL PIPE SIZE

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

TYPE OF COUPLING

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

FC2W-6-SH

NOMINAL PIPE SIZE

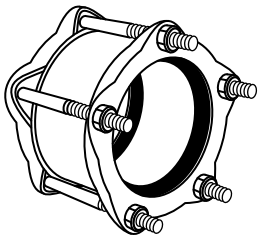
3 = 3"
4 = 4"
6 = 6"
8 = 8"
10 = 10"
12 = 12"
16 = 16"

OPTIONAL FEATURES

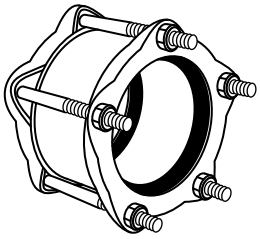
SH = Type 304 stainless steel nuts and bolts
L12 = 12" long center sleeve (sizes 3" - 12")
EPDM = EPDM gasket
EC = End Cap with 2" FIP threaded boss (sizes 4"-12")
BBN = Blue Fluorocarbon coated nuts and bolts (316 stainless steel nuts and bolts available - contact factory)

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

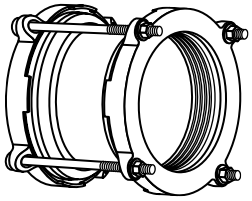
Ductile Iron Couplings
Style FC1



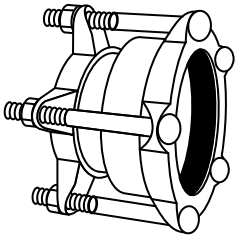
Ductile Iron Transition Couplings
Style FC2A



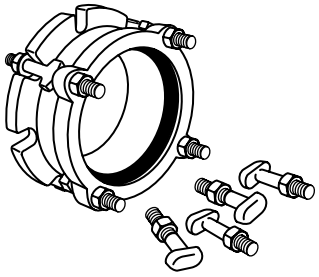
Ductile Iron Wide Range
Transition Coupling
Style FC2W



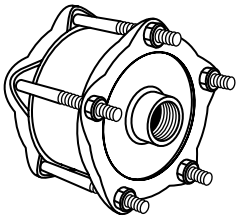
Cast Iron Reducing Couplings
Style FRC



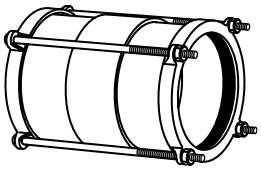
Iron Flanged Coupling Adapters
Style FFCA



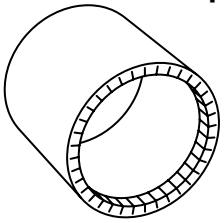
End Cap Couplings
Style FEC



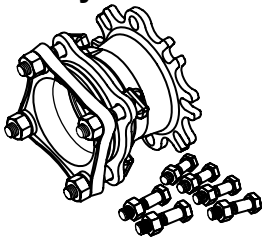
Cut-In Couplings
Style FRR



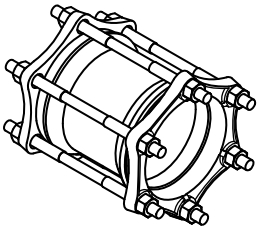
Insulating Boot for
Iron or Steel Pipe



Mechanical Joint Flange Adapter
Style MJFA



Mechanical Joint Coupling
Style MJC



FABRICATED STEEL PRODUCTS
Catalog Section N - Numbering System

TYPE OF COUPLING
FC23 or FC24 = Steel Transition Coupling for 4" thru 24"
FC3 = Steel Coupling for 1/2" thru 12"
FC4 = Steel Coupling for 14" thru 60"
FC5 = Steel Transition Coupling for 14" thru 60"
FC6 = Steel Reducing Coupling for 2" thru 60"

Note: Custom fabrications are welcomed.

CENTER SLEEVE WALL THICKNESS
A = 1/4" Steel
B = 3/8" Steel
(use only with FC4 & FC5)

COUPLING LENGTH
05 = 5"
07 = 7"
10 = 10"
12 = 12"
15 = 15"
20 = 20"
24 = 24"

FC5-2580-2632-B15R

O.D. SIZE

FC23 or FC24 = Small End
FC3 = Both Ends O.D.
FC4 = Both Ends O.D.
FC5 = Small End O.D.
FC6 = Large End O.D.

FC23 or FC24 = Large End
FC5 = Large End O.D.
FC6 = Small End O.D.

COATING, BOLTS AND GASKET OPTIONS

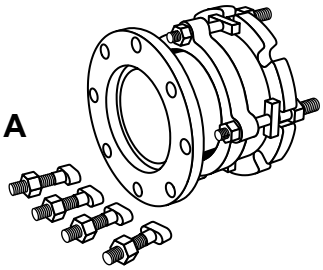
GASKET MATERIAL	*COATING AND BOLT COMBINATIONS*							
	Standard Shop Coat				Epoxy Coated			
	Standard Alloy Bolts	304 Stainless Steel Bolts	316 Stainless Steel Bolts	Electro Galvanized Bolts	Standard Alloy Bolts	304 Stainless Steel Bolts	316 Stainless Steel Bolts	Electro Galvanized Bolts
SBR Rubber	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
Catalog Section N - Products

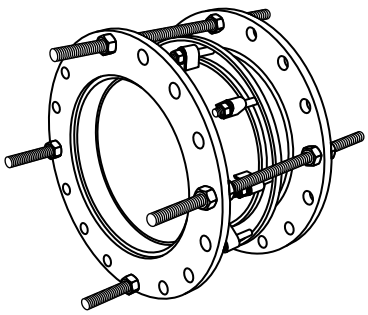
Ford Dismantling Joint
Style FDJ

Style A



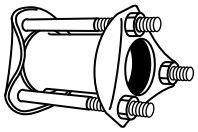
Less tie rods

Style B



With tie rods

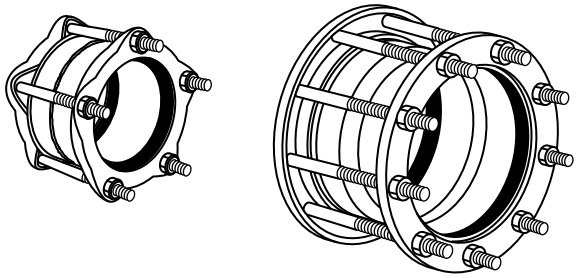
Standard Steel Couplings
Style FC3



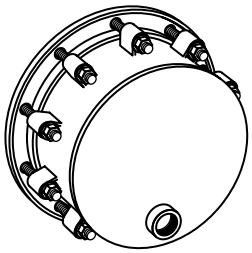
for pipe sizes 1/2" thru 12"

Steel Transition Couplings
Styles FC23, FC24 and FC5

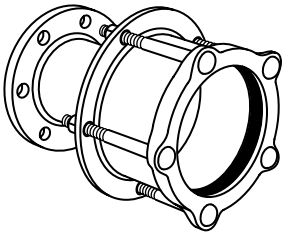
Joins most pipe within each nominal size



Steel End Cap Couplings
Style FC4

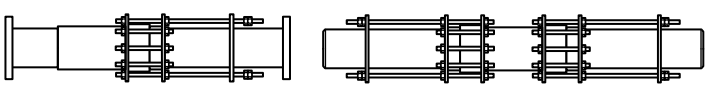


Steel Reducing Flange Coupling Adapters
Style FCA



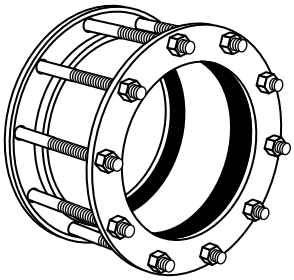
Expansion Joints
Style FEJ

Single and Double End



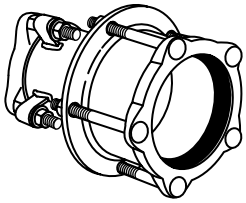
Flange End Expansion Joint Plain End Expansion Joint

Standard Steel Couplings
Style FC4

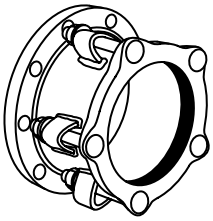


for pipe sizes 14" thru 60"

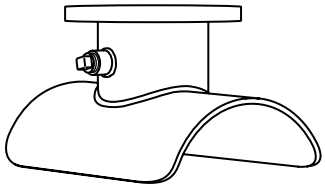
Steel Reducing Couplings
Style FC6



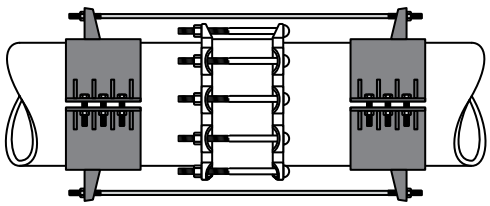
Steel Flange Coupling Adapters
Style FCA



Steel Weld-On Tapping Sleeves
Style FWS



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® Set Screw Retainer Glands Numbering System

PRODUCT TYPE

RGBS = Model B Retainer Gland
RGBAS = Model B Retainer Gland with MJ Accessories

RGBS - 3

Nominal Pipe Size

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

Nominal Pipe
(size in inches)

OPTIONS

SS = Type 410 Heat Treated Steel Set Screw
UT = Uni-Torque Set Screw
EPDM = EDPM Gasket
NBR = NBR (Buna-N) Nitrile Gasket

UFA200 - S - 2 - EPDM

Pipe Application

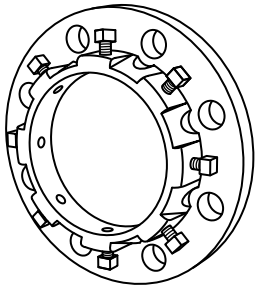
S = Flange Sized for Steel Size Pipe
C = Flange Sized for Ductile Iron Pipe Size Pipe

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

Series 200 Adapter Flange for Steel and Ductile Iron Pipe

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

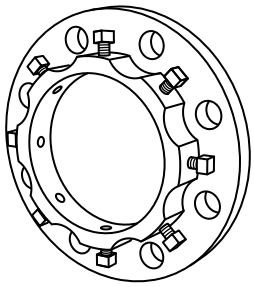
Working pressure - 2" through 8" ***200 PSI***
10" through 12" ***175 PSI***



Series 400 Adapter Flange for Steel and Ductile Iron Pipe

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

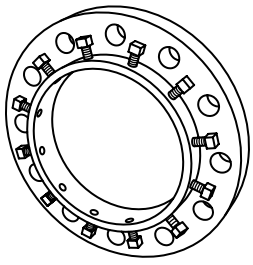
Working pressure - 2" through 12" ***250 PSI***
14" through 24" ***150 PSI***
30" through 48" ***100 PSI***



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.

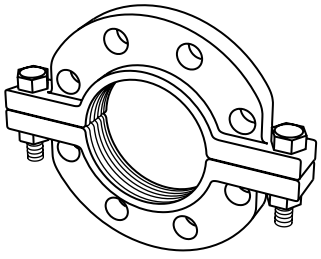
Working pressure - 2" through 12" ***400 PSI***



Series 900 Adapter Flange for PVC Pipe

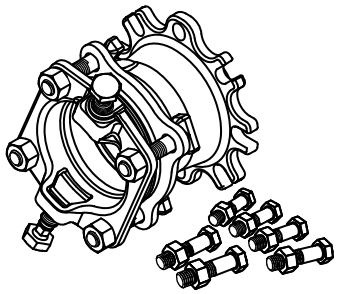
Flange Drilling ANSI B16.1 125 lb. and ANSI B16.5 150 lb.

Working pressure based on pipe size and type

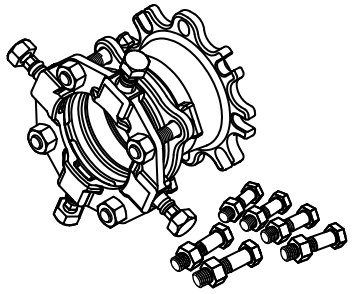


UNI-FLANGE® RESTRAINED FLANGE ADAPTER
Catalog Section U - Products

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

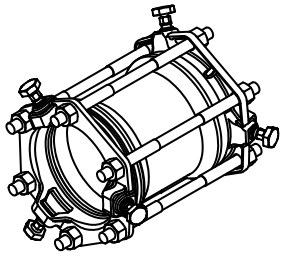


RFAP
Flange and Restraint Devices for PVC, Steel or DR35 Sewer Pipe
Flange Drilling ANSI B16.1 125 lb. for Cast Iron Flanges and ANSI B16.5 150 lb. for Steel Flanges

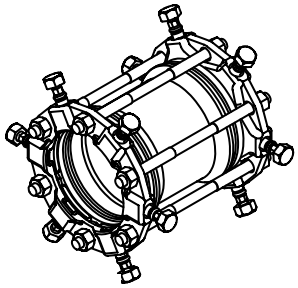


UNI-FLANGE® RESTRAINED COUPLINGS
Catalog Section U - Products

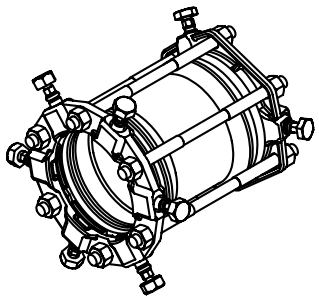
RCDD
Coupling and Restraint Device for Ductile Iron Pipe x Ductile Iron Pipe



RCPP
Coupling and Restraint Device for PVC Pipe x PVC Pipe



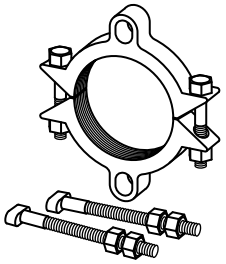
RCDP
Coupling and Restraint Device for Ductile Iron Pipe x PVC Pipe



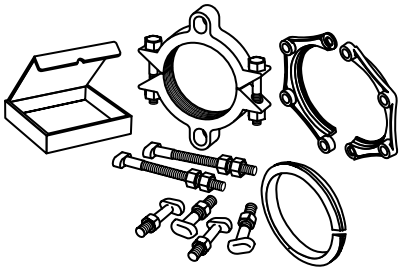
Note: Restrained adapters and couplings rated to the full pressure of the pipe.

UNI-FLANGE® PIPE RESTRAINT FOR PVC
Catalog Section U - Products

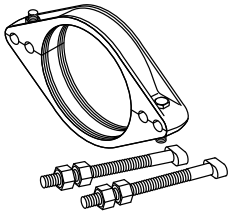
Series 1300 Restraint Device for PVC & Ductile Iron Pipe*
used with Mechanical Joint/ Push-On Fittings



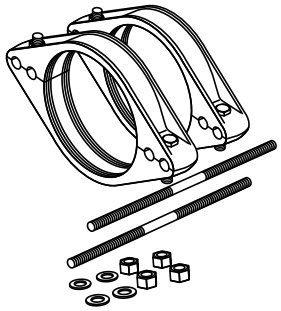
Series 1300-CAS and 1300-SAS for C900 PVC Pipe
Mechanical joint repair kit



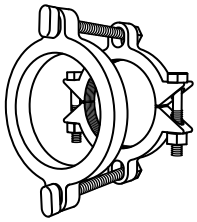
Series 1309 Restraint Device for C900 & C909 PVC Pipe C906 HDPE & Ductile Iron Pipe*
used with Mechanical Joint/ Push-On Fittings



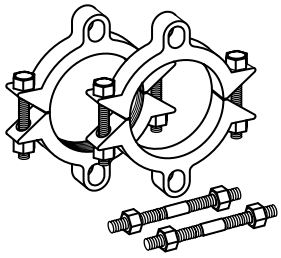
Series 1399 Restraint Device for C909 PVC Pipe
Split Restraint for push-on joints of C909 PVC pipe (new or existing installations)



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)

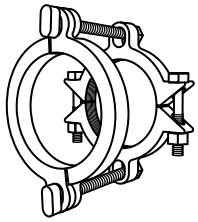


* See Catalog Section U for ductile iron pipe applications.

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

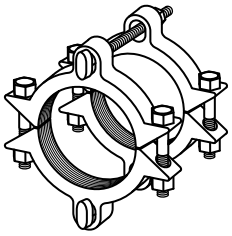
Series 1360 Restrainers for PVC Pipe

for restraining PVC pipe and pressure fitting joints of PVC pipe



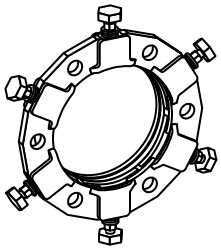
Series 1390 Restrainers for PVC & Ductile Iron Pipe*

for restraining bell joints of PVC pipe or ductile iron pipe



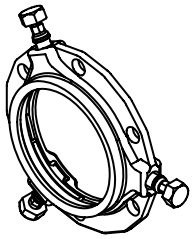
Series 1500 Restrainer for PVC Pipe

MJ Retainer Gland Joint Restraint



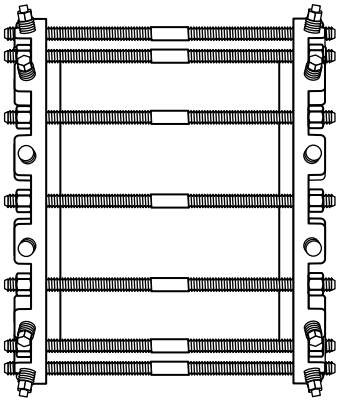
Series 1500R Rapid Install Restrainer for C900 and ASTM D2241 IPS PVC Pipe

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)

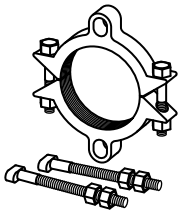


* See Catalog Section U for ductile iron pipe applications.

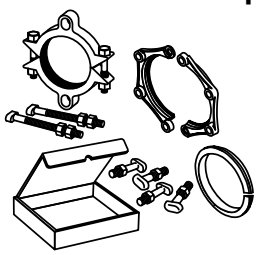
NOTE: Ford recommends using inserts or pipe stiffeners for HDPE pipe applications.

UNI-FLANGE® PIPE RESTRAINT FOR DUCTILE IRON PIPE
Catalog Section U - Products

Series 1300 Restrainer for Ductile Iron Pipe

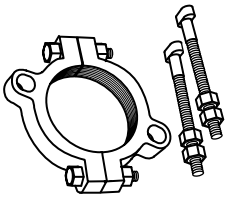


Series 1300-CAS Mechanical Joint Repair Kit for Ductile Iron Pipe



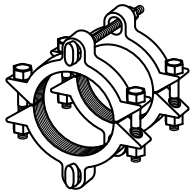
Series 1309 Restrainer for C900 & C909 PVC Pipe C906 HDPE & Ductile Iron Pipe

used with Mechanical Joint/ Push-On Fittings



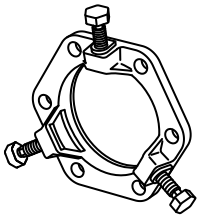
Series 1390 Restrainers for Ductile Iron Pipe

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



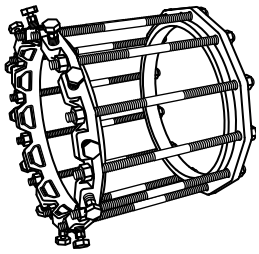
Series 1405 Restrainer for Ductile Iron Pipe

Split MJ Retainer Gland Joint Restraint



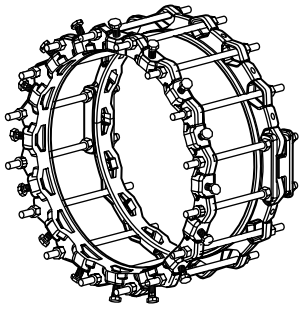
Series 1450 Restrainer for Ductile Iron Pipe

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



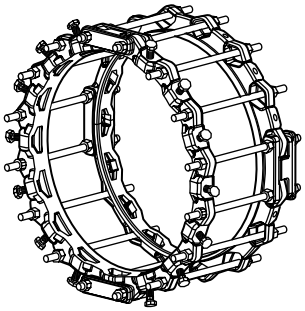
Series 1455 Restrainer for Ductile Iron Pipe

Joint Restraint with Split Back-Up Ring



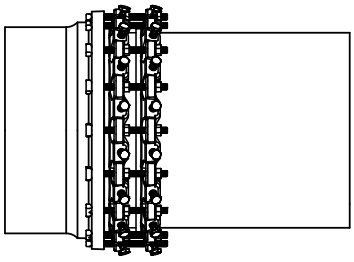
Series 1490 Restrainer for Ductile Iron Pipe

Split Wedge Action Retainer with Split Back-Up Ring



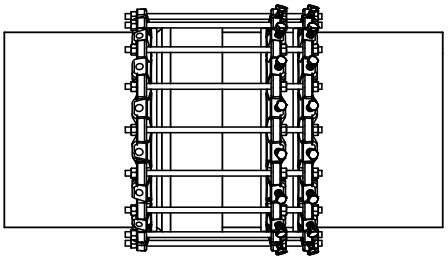
Series 2800 for High Pressure Applications on Ductile Iron Pipe

Tandem Restraints

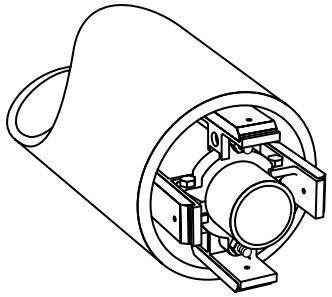


Series 2850 for High Pressure Applications on Ductile Iron Pipe

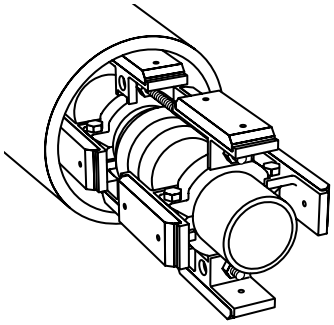
for Push-On Joints of Ductile Iron Pipe / (New Installations Only)



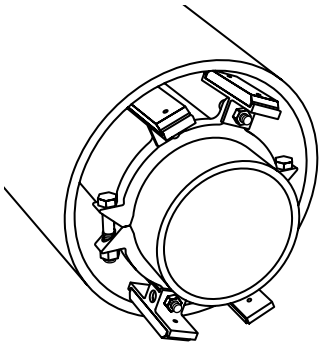
Uni-Flange Series 1300 Casing Spacer for Support of Pipe Barrel 4" through 8"



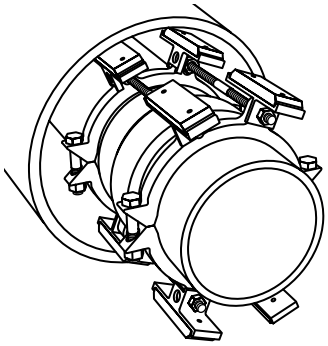
Uni-Flange Series 1390 Casing Spacer for Pipe Bell Joint 4" through 8"



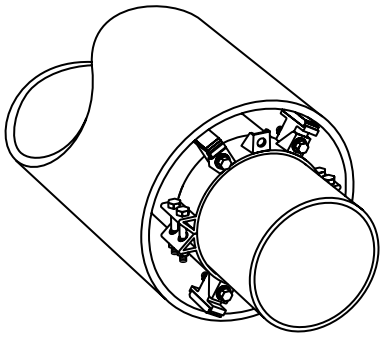
Uni-Flange Series 1300 Casing Spacer for Support of Pipe Barrel 10" through 12"



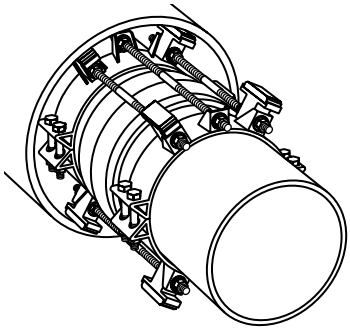
Uni-Flange Series 1390 Casing Spacer for Pipe Bell Joint 10" through 12"



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

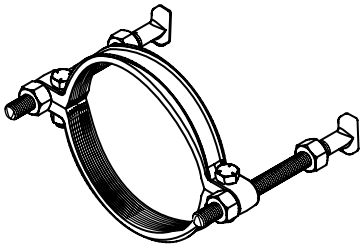


Uni-Flange Series 1390 Casing Spacer for Pipe Bell Joint 14" through 24"

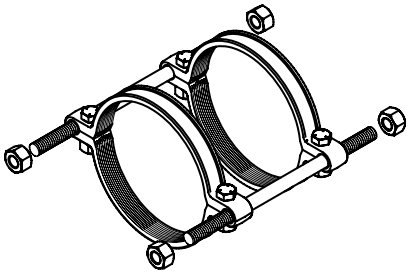


UNI-FLANGE® PIPE RESTRAINTS FOR SEWER PIPE
Catalog Section U - Products

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

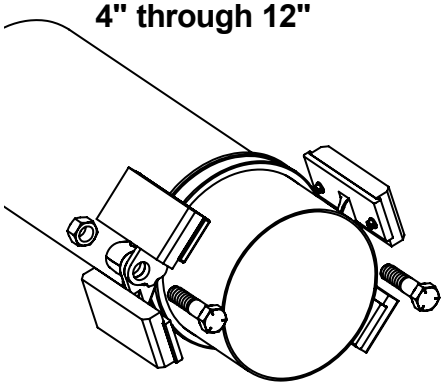


Series 1390-P Restrainers for Sewer Pipe Bell Joints 4" through 24"

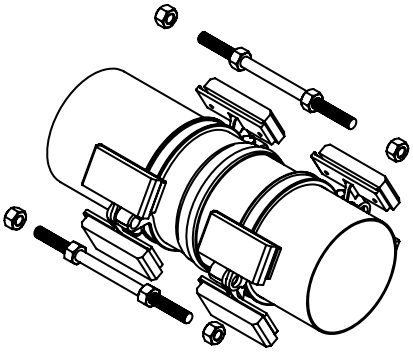


UNI-FLANGE® HARNESS RESTRAINTS WITH CASING SPACERS FOR SEWER PIPE
Catalog Section U - Products

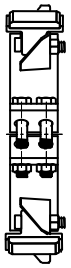
Uni-Flange Series 1300-P Casing Spacer for Support of Pipe Barrel 4" through 12"



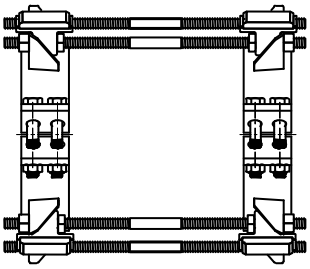
Uni-Flange Series 1390-P Casing Spacer for Support of Pipe Barrel 4" through 12"



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)	PVC/HDPE C900/C905	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.
	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			
						200	3.84	4.29	STD.	3.50	
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			
						200	4.81	5.22 - 5.57	STD.	4.50	
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			
			E, F		7.22	200	6.91	7.26 - 7.56	STD.	6.63	
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			
			E, F		9.42	200	9.11	9.39 - 9.74	STD.	8.63	
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			
			E, F		11.60	200	11.66	11.77 - 12.12	STD.	10.75	
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			
			E, F		13.76	200	13.92	14.03 - 14.38	STD.	12.75	
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						
			D		58.40						
60"				50 - 350	61.61				STD.	60.00	
			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 / CC .....AWWA Standard Thread, has steeper taper than Iron Pipe Threads (per AWWA C800)
COP THRD.....Copper Thread on Flare Copper Connections
FIP .....Female Iron Pipe Thread
FL COP.....Flare Copper Connection
IP .....Iron Pipe (not threaded) for Pack Joint Connections or Female Iron Pipe Thread for Saddle Taps
MIP .....Male Iron Pipe Thread
BSPP .....British Standard Pipe parallel pipe thread
BSPT .....British 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).

PEP .....Polyethylene 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).

PVC .....Polyvinyl 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

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Please Note:
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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