Ford Meter Box Price Book

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THE FORD METER BOX COMPANY, INC.
Standard Terms and Conditions of Sale

PRICES

All prices in this book are subject to change without notice. Please contact The Ford Meter Box Company, Inc. (Manufacturer) to ensure contained prices are current. Possession of a price sheet shall not be interpreted as an offer to sell. Always confirm your order acknowledgement for correct price, product and quantity.

TERMS FOR PAYMENT

All invoices are due and payable within defined terms shown on invoice.

FREIGHT TERMS: FOB OUR FACTORY/WAREHOUSE

Freight will be prepaid and allowed on shipments made against any order with a price valuation of U.S. $7,000.00 net or more, to any single point within the contiguous United States. All product categories may be included in this total. Products from any or all Manufacturer shipping locations may be combined in any ratio to meet the U.S. $7,000.00 net freight allowance minimum. Freight charges will be added to the invoice for shipments made against any order less than a U.S. $7,000.00 net valuation. The Manufacturer reserves the right to control all routings. Freight charges for all UPS and/or airfreight shipments will be prepaid and added to the invoice. Requests for an alternate shipping destination or a special routing may affect product pricing and/or freight charges. Terms for shipment outside the contiguous United States shall be established on a case-by-case basis.

RETURNED MATERIAL

No material is to be returned without Manufacturer's written permission (Manufacturer Returned Goods Authorization) and shipping instructions. Authorized returns are subject to a 35% restocking charge. Products special ordered or products requiring special fabrication may not be returned. After inspection, credit will be allowed based on resalable condition, the current production design, the cost of reconditioning and shipping charges. Recipient of factory shipments agrees that Recipient will not accept rejections of any products or make refunds to customers on supposedly defective products without first consulting the Manufacturer.

FREIGHT CLAIMS

Recipient of shipments from any Manufacturer shipping location acknowledges and agrees that Recipient of factory shipments is hereby given the opportunity to examine and inspect each product at the time of delivery. Shipments delivered short or damaged should not be accepted without having carrier note shortage or damage on delivery receipt. The delivery receipt or copy should then be sent to the Manufacturer along with a written explanation so that a claim may be filed. The time allowed to file a claim with the carrier on shipments already signed for as damaged or short material is 15 days. Concealed damage must be reported to the freight carrier within 5 days of receipt or no claim will be allowed. Claims regarding damage or shortage must be noted on the Freight Carrier's signed delivery receipt. All packaging must be kept for inspection by a representative of the Freight Carrier.

TAXES

Any tax, duty, or other cost imposed by any government entity shall, at Manufacturer's discretion, be added to the purchase price and payable by Recipient. Recipient must certify any tax exemptions and agree to reimburse Manufacturer against any tax imposed contrary to such certification.

TRADE

All applicable import and export control laws and/or regulations shall be obeyed by Recipient, including those of the United States and/or other jurisdictions from which Manufacturer's products may be shipped. Recipient shall not use, import, export or re-export Manufacturer's products in violation of such applicable laws and/or regulations.

THE FORD METER BOX COMPANY, INC.
Standard Terms and Conditions of Sale (Continued)

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 Price Book to be correct at the time of publication. Item and option availability, including specifications and prices, 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.

The Ford Meter Box Company, Inc.

EXPLANATION OF ABBREVIATIONS

THREADED AND FLARE CONNECTIONS

AWWA / CC - AWWA standard thread – has steeper taper than iron pipe threads
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

PLASTIC PIPE AND TUBING CONNECTIONS

CTS - **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).

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).

DIMENSION COMPARISON TABLE FOR PLASTIC, COPPER AND GALVANIZED IRON

Pipe and Tubing Type		PSI	SDR	Control	O.D.						I.D.					
					1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Copper	–	–	–	OD	0.625	0.875	1.125	1.375	1.625	2.125	–	–	–	–	–	–
PET	PE3408	200	SDR9	OD	0.625	0.875	1.125	1.375	1.625	2.125	–	0.681	0.875	1.069	1.263	1.653
	PE4710	250														
PEP	PE3408	200	SIDR7	ID	–	1.060	1.349	1.774	2.070	2.657	–	0.824	1.049	1.380	1.610	2.067
	PE4710	250														
IPS PE	–	–	–	OD	0.840	1.050	1.315	1.660	1.900	2.375	–	–	–	–	–	–
PVC	–	–	–	OD	0.840	1.050	1.315	1.660	1.900	2.375	–	–	–	–	–	–
Galv IP	–	–	–	OD	0.840	1.050	1.315	1.660	1.900	2.375	–	–	–	–	–	–

Note: Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe only.

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)	0.876
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

PIPE O.D. CHART

PIPE SIZE	PVC/HDPE (Steel Size)	PVC/HDPE C900	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.

DESCRIPTIVE INDEX

	Partial Item Code	Page

A

A Type Covers	"A"	D-5
Abandoned Corp Cap	"FACC"	L-14
Adapter Flanges	"UFA"	UI-5 & 6, UD-5
Adapter, Couplings (see Couplings)		
Adapters, Flanged Coupling	"FFCA"	M-40
-Fabricated	"FCA"	M-34 & 35
Adapters, Meter	"A"	H-5
Adapters for Regulators	"RA"	F-24
Adjustable Meter Box Cover	"32B"	D-14
Adjuster, Grade Adjuster for Yokebox and Gulfbox	"9501"	C-22 & 26
Akron Style Test Benches	"SATB", "LATB"	K-2
AMS (Automated Measuring System)		
-Test Bench		K-2
-Retrofit Kit		K-3
Angle Check Valves		
- Check Valve	"HA",	I-6, E-10
- Cascading Dual Check Vavle	"HHA"	I-5, E-10
- Cartridge Style Dual Check Valve	"HHCA"	I-2, E-9
- Flanged Check Valve	"HFA"	I-8
- Flanged Cascading Dual Check Valve	"HHFA"	I-8
Integral Port Option	"TP6"	I-8
Angle Coppersetters	"70-80" series	F-16 & 17
Angle Meter Couplings	"L"	H-4
Angle Service Valves		
-Ball Type	"BA"	G-29
-Inverted Key Type	"AV",	G-28
-Compression Globe Type	"GA"	G-28
Angle Meter Valves		
-Ball Type	"BA", "BFA"	G-15 & 16
-Inverted Key Type	"KV", "FV"	G-17 & 18
-Compression Globe Type	"GA"	G-16
Angle Yokes (see Yoke)		Section E
Arch Pattern Curb Boxes	"EA"	GA-2
Assembled Setters for 1-1/2" & 2" Meters		F-29 to 37
Assembled Resetters for 1-1/2" & 2" Meters		F-45 & 46

B

Baker Products		
-Coupling	"200", "200X", "200Q"	M-11 & 12
-Coupling (12" and longer sleeve)	"208", "208X", "208Q"	M-13 & 14
-Coupling with Insulation Boot	"216", "216X", "216Q"	M-15 & 16
-Transition Coupling	"212", "212X", "212Q"	M-28 & 29
-Reducing Coupling	"220", "220X", "220Q"	M-32 & 33
-Expansion Joint Coupling	""401/X/Q", "402/X/Q", "403/X/Q", "404/X/Q"	N-9
-Flange Coupling Adapter	"602", "602X", "602Q"	M-38
-Flange Reducing Coupling Adapter	"603", "603X", "603Q"	M-39
-Dismantling Joint	"BDJ", "BDJX", "BDJQ"	N-4 & 5
-Equipment Connection Fitting	"BECF", "BECFX", "BECFQ"	N-6
Ballcorp Corporation Stops	"FB"	A-4 to 10
Ball Type Curb Stops 3/4" through 2"		
-"BH" Series	"BH"	G-8
-FIP x FIP	"B11"	G-2, 24, 27 & 31
-Flare Copper x FIP	"B21"	G-3, 24, 27 & 30
-Flare Copper x Flare Copper	"B22"	G-3, 24, 30 & 31
-MIP x FIP	"B81"	G-2 & 25
-Flare Copper x MIP	"B82"	G-3
-MIP x MIP	"B88"	G-2
-PJ for IP x FIP	"B51"	G-4 & 24
-PJ for PEP x FIP	"B61"	G-4 & 25
-PJ for PVC x FIP	"B71"	G-5 & 25
-MIP x PJ for CTS	"B84"	G-5 & 25
-PJ for CTS x FIP	"B41"	G-4, 24 & 27
-PJ for PVC x MIP	"B87"	G-5 & 26
-PJ for PE both ends	"B77"	G-6 & 26
-PJ for CTS x PJ for PE	"B46"	G-7
-PJ for CTS x PJ for PVC	"B47"	G-7
-PJ for CTS both ends	"BH44"	G-8
-PJ for PE x PJ for CTS	"BH64"	G-8
Ball Type Meter Valves		
-Angle	"BA", "BFA"	G-15 & 16
-Straight	"B", "BF"	G-11 to 13
Ball Type Service Valves with 5/8" Water Way		
-Straight	"B", "BL"	G-24 to 26
-Angle	"BA"	G-29
Ball Type Valves - for Iron Yoke Settings		
-Angle	"BA"	E-3
-Straight	"B"	E-5 & 6
Ball Valves for Kornerhorns	"KHBV"	B-5
Basement or Inside Settings		
-Basement Resetters	"Resetter"	B-8
-Copperhorns	"CH"	B-2 & 3
-Drophorns	"DH"	B-7
-Handyhorns	"HH"	B-5
-Kornerhorns	"KH"	B-5
-Plumbhorns	"PB"	B-4
-Pretzelhorns	"PH"	B-7
-Valve Copperhorns	"VCH"	B-4
-Wall Setters	"WS"	B-8
Bell Joint Leak Clamps	"FBC", "FIBC"	L-13
Blow-off Ball Valve	"BLA"	G-14
Bolts & Nuts		
-FC1	"FBN"	M-18
-FC2A	"FBN"	M-20 & 22
-FC2W	"FBN"	M-4 & 5
-1-1/2" & 2" Flanged Valve	"PSB"	G-13, 16 & 18
Branch Pieces	"U"	H-6
Branch Valve Assemblies	"UV"	G-19 to 23
Brass Saddles (see Saddles)		AA-10 to 14
Bronze Meter Flanges	"CF"	H-4
Bushings		
-Brass	"C18"	J-23
-for Corporation Stops	"BBAA", "BBIA", "BBAI"	A-18
-Dielectric	"DB"	H-3
Bolted Iron Flex Couplings (see Couplings)		

C

C Type Covers	"C"	D-6
Calibrated Testing Tanks		K-4
Cap Style Flange Gasket	"CSFG"	AA-2
Cartridge Style Dual Check Valves (see Check Valves)		
Casing Spacers	"UFRCS"	UI-14 & 15, UD-10 & 11
Chamfer Tool	"PE CTS"	J-3
Changeover Meter Coupling Nuts	"CMC"	H-3
Check Valves - Angle		
-Check Valve	"HA"	I-6, E-10
-Cascading Dual Check Valve	"HHA"	I-5 & E-10
-Cartridge Style Dual Check Valve	"HHCA"	I-2, E-9
-Flanged Check Valve	"HFA"	I-8

DESCRIPTIVE INDEX

	Partial Item Code	Page
-Flanged Cascading Dual Check Valve	"HHFA"	I-8
-Integral Port Option	"TP6"	I-8
Check Valves - Straight		
-Cartridge Style Dual Check Valves (inline accessible)	"HHC"	I-3, 4
-Cartridge Style Dual Check Valves (inline accessible)	"HHCH"	E-9
-Dual Check Valves	"HHS"	I-9 & E-11
for Kornerhorn	"KHHCV-1"	I-9
-Straight Single Check Valve	"HS"	I-7 to 9, E-11
-Flanged Straight Cascading Check Valve	"HFS"	I-8
Check Valve Repair Kits		I-10
Clamps		
-Bell Joint Leak Clamps	"FBC", "FIBC"	L-13
-Coupling Leak Clamps	"FCC"	L-13
-Repair Clamps		
Ford Flex (Ductile Iron Lug)		
Single Band	"F1"	L-6
Double Band	"F2"	L-7
Triple Band	"F3"	L-8
All Stainless Steel		
Single Band	"FS1"	L-2
Double Band	"FS2"	L-3
Triple Band	"FS3"	L-3
All Stainless Steel (Drop-In Bolt)		
Single Band	"FLS1"	L-4
Double Band	"FLS2"	L-5
Triple Band	"FLS3"	L-5
-Snap Clamps	"FSC"	L-9
-All Stainless Steel Clamps	"FLSC"	L-9
-Stainless Steel Clamps for plastic service pipe	"Clamp"	J-25
-Tapped Repair Clamps (CC & IP Taps)		L-8
-Wrap Clamps	"FSC-R"	L-10
-Wrap Clamps (with lifter bar)	"FSC1-R"	L-11
-All Stainless Steel Wrap Clamps	"FLSC-R"	L-10
Coil Pits		FA-8 to 11
-Bottoms		FA-14
-Driveway Covers		FA-12
-Extension Rings		FA-13
-Lids		FA-14
-Meter Platform Rods		FA-13
Compact Flange Angle Ball Meter Valve		G-16
Composition Gasket for Double Purpose Connection	"GT"	B-3
Meter and Resetter Gaskets	"GT"	H-2
Compression Products (see Pack Joint Products)		
Compression Type Valves		
-Straight Globe Service Valves	"G"	G-27
-Angle Globe Service Valves	"GA"	G-28
-Straight Meter Valves	"SG"	G-14
-Angle Meter Valves	"GA"	G-16
-Straight Valves for Yokes	"SG"	E-6
-Angle Valves for Yokes	"GA"	E-5
Copper Discs	"DISC"	A-16 & J-22
Copper Rounding Tools	"CRT"	J-2
Copper Tube Couplings (see Couplings)		
Copper Tube Nuts		
-"CTN"		A-15, J-22
-"FPN"		J-25
Copperhorns	"CH"	B-2 & 3
Coppersetters		F-3 to 24 & F-29 to 37
-"70" Series		F-3 to 9 & F-29 to 32
-"70-80" Series		F-16 & 17, F-33 & 34
-"80" Series		F-14 & 15, F-35 & 36
-"90" Series		F-18 to 23
-"270" Series		F-10 to 13
-Tandem Series		F-24
Coppersetter Tees	"CSTEE", "T1S1"	F-37
Corporation Stops		
-Key Type	"F"	A-1 & 3-11
-Ball Type (Ballcorps)	"FB"	A-1 & 3-10
Corporation Stop Plugs	"CSP"	A-18
Corporation Conversion Connections		
-for Lead	"LFSC"	A-19
	"LA", "L", "C"	A-20
Corporation Stop Replacement Pieces	"F"	A-17
Couplings - Service Pipe & Tubing	"C" Style	
-Brass Bushings	"C18"	J-23
-Corporation Stop		A-12 to 15
-Female Copper Thread x MIP, FIP or Flare Copper		J-21
-FIP x FIP (Reducing Coupling)	"C11"	J-23
-Flare Copper x FIP	"C21"	J-18
-Flare Copper x MIP	"C28"	J-18
-Flare Copper x Flare Copper	"C22", "CS22"	J-19
-for Iron Yoke Settings		E-7
-Lead-Pak	"Q"	J-14 & 15
-Lok-Pak	"CF", "CT"	H-5
-No-Contact Couplings	"Q"	J-15
-Pack Joint for Copper or CTS		A-12 to 15, A-19 & 20, J-4 to 6
-Pack Joint for PE Pipe		J-6 & 7
-Pack Joint for PVC Pipe		J-8 & 9
-Pack Joint for Iron Pipe		J-9 & 10
-Pack Joint Both Ends for Connecting Dissimilar Types of Pipe & Tubing		J-10 & 11
-Pack Joint Nuts & Parts		J-16 & 17
-Grip Joint Nuts & Parts		J-17
-Quick Joint Nuts & Gaskets		J-17
-with Meter Flange		H-4 & 5
-with Meter Swivel Nut		H-2 & 3
Couplings - Water Main		
-Bolted Flex	"FC1", "FC1-L12"	M-6
-Cut-In	"FRR"	M-45
-End Cap	"FEC"	M-45
-Fabricated		
-FC3	"FC3"	M-6
-FC4	"FC4", "FC4X", "FC4Q"	M-7 to M-10, M-43 & M-44
-FC5	"FC5", "FC5X", "FC5Q"	M-26 & 27
-FC6	"FC6", "FC6X", "FC6Q"	M-30 & 31
-Flanged Coupling Adapters	"FFCA"	M-40
-Fabricated	"FCA", "FCAX", "FCAQ"	M-34 to M-37
-Restrained	"RCDD", "RCPP", "RCDP"	UI-9 & 10, UD-5
-Transition Couplings	"FC2A", "FC2A-L12"	M-19 to 22
-Wide Range Couplings	"FC2W"	M-4, M-42
Covers, Meter Box		
-Adjustable	"32B"	D-14
-Adjustable Wabash Double Lid Cover	"W3"	D-4
-"A" Style	"A"	D-5
-"C" Style	"C"	D-6
-Flat Style (one piece)	"PPSC"	D-9
-"KA" Style	"KA"	D-9
-Monitor	"MC"	D-10 & 11
-Plastic	"PMBC-3"	D-7
-Rectangular	"RM"	D-11
-Round Pit Ring & Lid		D-13
-Spiked	"A32C"	D-13
-Wabash Style	"W"	D-4 & 5
-"X" Style	"X"	D-7

DESCRIPTIVE INDEX

	Partial Item Code	Page
Crescent Meter Boxes	"CB"	C-33 & 34
Curb Boxes		
-Arch Pattern	"EA"	GA-2
-Minneapolis Pattern	"EM"	GA-3 & 4
Curb Box Parts		GA-6
Curb Stops		
-See Ball Type Curb Stops		
-See Inverted Key Type Curb Stops		
Curb Stop Keys	"KEY"	D-2
Custom-Setters (1-1/2" & 2" Coppersetters)		F-29 to 37
Custom-Resetters (1-1/2" & 2" Resetters)		F-44 & 46
Cut-In Check Valves (Retro-Fit)	"HL", "HHL", "HHB"	I-11

D

Dielectric Bushings	"DB"	H-3
Digital Indicator Outlet	"TB-ADIO-LR", "TB-ADIO-RL"	K-3
Dismantling Joint	"FDJ", "FDJX", "FDJQ"	N-2 & 3
Double Gulfboxes	"DG"	C-28 to 30
Double Meter Settings		
-Branch Valve Assemblies		
Key Valve	"UV"	G19 & 20
Angle Key Valve	"UAV"	G-20
Ball Valve	"UVB"	G-21 & 22
Angle & Straight Ball Valve	"UAVB", "UVBS"	G-23
-Tandem Setters		
Coppersetters		F-24
Plastic Pit Setters		Section "FA"
Resetters (Types "A" & "B")		F-47
Double Strap Saddles (see Saddles)		
Drilling Machines		
-Model 77	"DMK", "DMO"	AB-1
-Model 77 Adapters	"DMA"	AB-1 & 2
-SIMTAP™	"SIM"	AB-5 & 6
-SIMTAP™ Adapters	"SIMDMA"	AB-5
Drophorns	"DH"	B-7
Dual Check Valves (see Check Valves)		

E

Eighth Bends	"LA"	
-with Pack Joint Outlet (see Couplings for Service Pipe & Tubing)		
-Flare Copper x FIP	"LA21"	A-13
-Female Copper Thread x Flare Copper	"LA02"	A-13
-for Corporation Stops		
-for F800, F900, FB800 & FB900		A-15
-for F400, F500, FB400 & FB500		A-13
-for F200 & F300		A-12
-for F600, F700, FB600 & FB700		A-13 & 14
Electronic Meter Read Lid	"-T"	C-1, 9 & 22, C-26 & D-2
Elevator Rings for Meter Box Covers	"ER"	D-8
Ell "L"		
-with Pack Joint Outlet (see Couplings for Service Pipe & Tubing)		
-Female Copper Thread x Flare Copper	"L02"	A-14 & J-21
-Flare Copper x FIP	"L21"	A-13 & J-18
-Flare Copper x MIP	"L28"	J-18
-MIP x MIP	"L88"	J-23
-FIP x MIP	"L18"	J-23
-Flare Copper x Flare Copper	"L22"	J-19
-for Corporation Stops		
for F800, F900, FB800 & FB900		A-15
for F400, F500, FB400 & FB500		A-13
for F200 & F300		A-12
for F600, F700, FB600 & FB700		A-13 & 14
for Iron Yoke Settings		E-8
-for Flanged Meters	"LF"	H-4
-with Meter Swivel Nut	"L"	H-4
Emergency Repair Clamp Kit and Components Parts	"FSERK"	L-15 to 16
End Caps	"CAP"	A-16 & J-22
Equipment Connection Fitting	"FECF", "FECFX", "FECFQ"	N-6
Expansion Connection for Iron Yoke Settings & Yokeboxes	"EC"	C-10 & E-2
Expansion Joints	"FEJ", "FEJX", "FEJQ"	N-7 & 8
Extended Range Couplings	"FC2W"	M-4 & 5, M-42
Extension Rings for Meter Pit Covers	"EXT"	D-8

F

Fabricated Products		
-Couplings		
FC3	"FC3"	M-6
-FC4	"FC4", "FC4X", "FC4Q"	M-7 to M-10, M-43 & M-44
-FC5	"FC5", "FC5X", "FC5Q"	M-26 & 27
-FC6	"FC6", "FC6X", "FC6Q"	M-30 & 31
-End Cap Couplings	"FC4-EC"	M-43
-Flanged Coupling Adapters	"FFCA"	M-40
-Fabricated	"FCA", "FCAX", "FCAQ"	M-34 to M-37
-Expansion Joints	"FEJ", "FEJX", "FEJQ"	N-7 & 8
-Service Saddles (3" & 4" taps)	"F202", "FS202"	AA-22
Fiber Anti-Friction Rings		
-for Pack Joint Nuts	"FR", "FG"	J-16 & 17
Flange Adapters	"UFA"	UI-5 & 6
-Restrained	"RFAD", "RFAP"	UI-7 & 8, UD-4
Flange Gasket (Cap Style)	"CSFG"	AA-2
Flanged Check Valves	"HHFA", "HFA", "HFS"	I-8
Flanged Coupling Adapters	"FFCA"	M-40
-Fabricated	"FCA"	M-34, M-35
	"FCA-L12"	M-22
Flanged Angle Valves for 1-1/2" & 2" Meters		
-Ball Valves	"BFA"	G-16
-Inverted Key Valves	"FV"	G-18
Flanged Ells for 1-1/2" & 2" Meters	"LF"	H-4
Flanged Lead		
-Corp Conversion Connection	"LFSC", "LFC"	A-19
Flanged Straight Ball Meter Valves	"BF"	G-13
Flare Products		
-Ball Corp Corporation Stops	"FB600", "FB700"	A-7
-Ball Valves	"B", "BA", "BH", "BFA", "BL"	
Curb Stops		G-2 to 8
Meter Valves		G-11 to 13, 15 & 16
Service Valves		G-24 to 27 & 29
-Corporation Stops	"F600", "F700"	A-7
-Copper Tube Nut	"CTN"	A-15 or J-22
-Couplings (see Couplings for Service Pipe & Tubing)		
-Curb Stops		
Ball Type	"B", "BH"	G-2 to 8
Inverted Key Type	"Z"	G-8 to 10
-Nuts		
Flare Copper Nuts	"CTN"	A-15 or J-22
for PE Pipe	"FPN"	J-25
-Piggy Back Nuts	"C02"	J-21
-Tees	"T"	J-20
-Y's	"Y"	J-19
Flexible Resetters (30 Series)		F-38 to 40

DESCRIPTIVE INDEX

	Partial Item Code	Page
Ford Bolts & Nuts	"FBN"	M-4, M-5, M-18, M-20 & M-22
Ford Tapping Sleeves		
-FAST Tapping Sleeves	"FAST"	AA-3
-Ford Steel Tapping Sleeves	"FTS"	AA-7
-Stainless with Removable Bolts Large Flange	"FTSAS"	AA-5 & 6
-Ford Steel Tapping Sleeves - Epoxy	"FTSC"	AA-7
-Stainless with Removable Bolts	"FTSS"	AA-4
-Mechanical Joint Tapping Sleeves	"MJTS"	AA-8
-Steel Weld-on Tapping Sleeves	"FWS"	AA-8
-with Mechanical Joint Option	"-MJ"	AA-9

G

Gaskets		
-for Corp Stop Adapters	"GT"	A-12
-for Drilling Machine	"GT"	AB-1 & AB-2
-for Flare Copper Connections	"SLC"	A-16 & J-22
-for Grip Joint Nuts	"GT"	J-17
-for Iron Yoke Settings	"GT"	E-11
-for Meter Boxes	"GT"	C-10, 13, C-22 to 24, 27, 30 & 32
-for Meter Couplings (Nuts & Flanges)	"GT"	H-2
-for Pack Joint Nuts	"GT", "FR"	J-16
-for Resetters	"GT"	H-2
-SO-EZ	"SO-EZ"	UD-25
-Transition Gasket	"TGA"	UD-25
Globe Valves (see Compression Valves)		
Golden Gate Meter Boxes		C-24
Grip Joint Products (see Pack Joint Products)		
Grip Joint Nuts	"GJ"	J-17
Gulfboxes		C-25

H

Handles for Valves		G-32
Handyhorns	"HH"	B-5
HDPE Products	"HDPE"	HDPE-3 to 40
HEX Bars	"HBW"	H-3

I

Idlers - Meter Idlers	"IDLER"	H-5 & K-7
Increaser Bushings		
-Iron Pipe Threads	"C18"	J-23
-Corporation Stop Inlets	"BBAA", "BBAI" & "BBIA"	A-18
Indianapolis Style Meter Test Benches		K-2
Insert Fittings for PE Pipe		J-24
Insert Stiffeners for Plastic Services		A-2, G-33 or J-2
Insert Stiffeners for HDPE		M-46 or N-11
Inside Meter Settings (see Basement Settings)		
Insulating Blankets	"FIB"	D-3
Insulating Boot	"FIB"	M-5
Insulating Disc	"CCID"	FA-12
Inverted Key Valves		
-Curb Stops	"Z"	G-9 & 10
-Meter Valves		
Angle	"KV"	G-17
Flanged Angle	"FV"	G-18
Straight	"SV"	G-14
-Service Valves	"AV"	G-28
Iron Saddles (see Saddles)		AA-15 to 21

K

Key Valves (see Inverted Key Valves)		
Keys for Meter Box Covers & Curb Stops	"KEY"	D-2
Keys for Valves in Crescent, Yokebox & Gulfbox Meter Boxes		
-Crescent Meter Box		C-34
-Gulfbox Meter Box		C-26, 30 & 32
-Yokebox Meter Box		C-9, 13, 22 & 24
Keys for Valves in Meter Settings	"KEY"	D-2
Kornerhorns	"KH"	B-5
Kornerhorn Valves		B-5

L

Lead-Pak Couplings	"Q"	J-14 & 15
Lead Corporation Stop Conversion Connections	"LFSC", "LFC"	A-19
Linesetters	"LS", "LSV"	F-25 to 28
Lock-Caps for Valves	"AV-LOCKCAP", "BV-LOCKCAP"	E-12 & G-32
Lok-Pak Couplings		
-for 1-1/2" & 2" Meter	"CF", "CT"	H-5
Long Double Gulfbox	"DGHC"	C-31
Long Gulfbox	"GHC"	C-25
Long Yokebox	"LYL"	C-2 to 8 & 12

M

Manifolds	"M111"	F-48
Mechanical Joint Repair Kit	"UFR1300-CAS", "UFR1300-SAS"	UI-16
Mechanical Joint Accessory Kit	"MJAK"	UD-25
Mechanical Joint Bell Encapsulator	"MJBE"	L-12
Mechanical Joint Split Coupling	"MJSC"	L-12
Mechanical Joint Tapping Sleeves	"MJTS"	AA-8
Mechanical Joint Outlet Option for Tapping Sleeves		AA-9
Meter Adapters	"A"	H-5
Meter Box Covers (see Covers)		
Meter Box Keys (see Keys)		
Meter Boxes		
-Crescent	"CB"	C-33
-Double Gulfbox	"DG", "DGB"	C-28 to 30
-Golden Gate	"YL"	C-24
-Gulfbox	"G"	C-25 to 27
-Long Double Gulfboxes	"DGHC"	C-31
-Long Gulfboxes	"GHC"	C-25 & 28
-Long Yokeboxes		C-2 to 13
-Protector Box for 1-1/2" & 2" Meters	"FPMB"	C-33
-Yokebox		
-Extra Shallow	"YS", "YSB", "YSBHC"	C-14 & 17
-Shallow	"YL", "YLB", "YLHC", "YLBHC"	C-15, 18 & 19
-Deep	"YM", "YMB", "YMHC", "YMBHC"	C-16, 20 & 21
Meter Couplings		H-2 to 5
Meter Flanges - Bronze	"CF"	H-4 & 5
Meter Idlers		H-5
Metering Manifolds	"M111"	F-48
Meter Plug	"MP"	H-6
Meter Repair Bench		K-7
Meter Test Benches		K-2
Meter Testing Tanks		K-4
Meter Valves / Stops		
-see Ball Type Meter Valves		
-see Inverted Key Meter Valves		

DESCRIPTIVE INDEX

	Partial Item Code	Page
Minneapolis Pattern Curb Stops	"EM"	GA-3 & 4
Monitor Covers for Large Meter Pits	"MC"	D-10 & 11
Multi-Service Tee	"T"	J-20
Multi-Service Y	"Y"	J-19

N

"New England" Service Valves	"NE"	G-30 & 31
No-Contact Couplings	"Q"	J-15
Nuts		
-Flare Copper Tube Nuts	"CTN"	A-15 & J-22
-Grip Joint Nuts	"GJN"	J-17
-Meter Changeover Nut	"CMC"	H-3
-Meter Coupling Nuts	"MN"	H-3
-Pack Joint Nuts	"NG"	J-16
-Quick Joint Nuts	"QJN"	J-17
-Yoke Lock Nuts	"YLN"	E-12

O

O-ring		B-6, K-5 & 6, J-3
"Open Right" Service Valves	"OR"	G-31
O.D. Tape for Measuring Pipe Dia.	"OD-TAPE"	L-1

P

Pack Joint Products		
-Assemblies	"PJA"	B-6 & F-13
-Ball Corp Corporation Stops	"FB"	A-4 to 6
-Ball Valves		
Curb Stops		G-4 to 8
Meter Valves		G-11 to 13, 15 & 16
Service Valves		G-24 to 27
-Corporation Stops	"F"	A-4 to 6
-Couplings (see Couplings for Service Line Pipe & Tubing)		
-Curb Stop		
Ball Type	"B"	G-4 to 8
Inverted Key Type	"Z"	G-8 to 10
-Cut-In Check Valves (Retro-Fit)	"HL", "HHL"	I-11
-Cut-In Tees	"TD"	J-13
-Eighth Bends (see Eighth Bends)		
-Ells (see Ells)		
-Gaskets	"GT"	J-16
-Lead-Pak	"Q"	J-14 & 15
-Nuts & Parts	"NG"	J-16 & 17
-Quarter Bends (see Couplings for Service Line Pipe & Tubing)		
-Tees	"T", "TD"	J-12 & 13
-Y's	"Y"	J-13
Padlock Plates for Yokeboxes		C-9 & 22
Piggy Back Nuts	"C02"	J-21
Pipe Plugs	"CSP"	J-24
Pit Covers (see Covers)		
Pit Rings		D-13
Pit Setter Extension Rings	"PS-EXT"	FA-13
Pitorifice Corp Stops	"-P"	A-11
Plastic Meter Box Cover	"PMBC-3"	D-7
Plastic Pipe Couplings (see Couplings)		
Plastic Pit Setters	"PPS", "PK"	FA-1 to 11
Plated Steel Bolts	"PSB"	H-4 & 5
Plugs	"CSP"	
-Copper Service		J-24
-Corporation Stop		A-18
-Pipe		J-24
Plugs for Electronic Meter Read Module Hole	"TP", "PTP", "PTP-BR"	C-1, 9, 13, 22, 24, 30, 32, 34 & D-2
Plumbhorns	"PB"	B-4
Pretzelhorns	"PH"	B-7
Protector Meter Box		
-for 1-1/2" & 2" Meters	"FPMB"	C-33

Q

Quarter Bends (see Ells)		
Quick Joint Products (see Pack Joint Products)		

R

Reclaimed Water Items		
-Ball Valve	"BRW"	G-2 to 7
-Handle (for Ball Valve)		G-32
-Yokebox Lids	"RW"	C-22 & 26
Rectangular Pit Cover Lids	"RML"	D-11
Reducing Couplings - Fabricated	"FC6"	M-30
Reinforced Concrete Pipe		
Tapping Sleeve	"FRCTS"	AA-9
Repair Clamps (see Clamps)		
Repair Kit (MJ)	"UFR1300-CAS", "UFR1300-SAS"	UI-16
Repair Kit (Check Valve)	"HRK", "HHRK", "HHCRK"	I-10
Repair Saddles	"FRS202"	AA-24
Resetter Gaskets	"GT"	H-2
Resetters		
-30 Series (Flexible)		F-38 to 40
-40 Series		F-41 to 43
-Basement		B-8
-Custom for 1-1/2" & 2" Meters		F-44 to 46
-Tandem (Types "A" & "B")		F-47
Restrained Flange Adapter		
-RFAP		UI-7, UD-4
-RFAD		UI-8, UD-4
Restrained Coupling		
-RCDD		UI-9
-RCDP		UI-10, UD-5
-RCPP		UI-10, UD-5
Restrainer Assembly	"FR", "FRX", "FRQ"	N-10
Restrainers / Retainers	"UFR"	UI-11 to 25, UD-6 to 24
Retrosetters	"RETRO"	I-12 to 16
Retrosetter Sampling Station		I-15
Ribbed Insert Fittings for PE Pipe	"PTP", "PTM", "PTF"	J-24
Ring Adapter	"RA42"	A-16
Riser Yokes (see Yoke)		
Rounding Tool for Copper	"CRT"	J-2
Round Pit Ring & Lid		D-13

S

"S" Tube	"ST"	F-24
Saddles		
-Brass		
All Brass	"S40", "S70", "S90"	AA-10 to 11
Silicon Bronze Straps	"101B", "202B", "202BS"	AA-12
Stainless Steel Straps (for C900 PVC)	"101BS", "202BS"	AA-13
Stainless Steel Strap (dual) (for C900 PVC)	"202BSD"	AA-14
-Fabricated (3" & 4" taps)	"F202", "FC202", "FS202"	AA-22
-Iron (ductile)		

DESCRIPTIVE INDEX

	Partial Item Code	Page
Epoxy coated (Stainless Steel Straps)		
-FC101		AA-15, 16
-FC202		AA-19, 20
-FCD202		AA-21
Steel Straps	"F101", "F202"	AA-15 to 18
-Repair	"FRS202"	AA-24
-Sewer	"FSS"	AA-24
-Stainless Steel	"FS313", "FS323", "FS333", "FS343"	AA-23
Screw Plug Adapter	"SP"	A-17
Service Couplers (see Couplings)		
Service Insulators	"SI"	A-21, E13, G-34, J-25
Service Tees (see Tees)		
Service Valves		G-24 to 29
Sewer Saddle	"FSS"	AA-24
Side Outlet Couplers (see Tees)		
Solid Copper Gaskets		
-for Flare Copper Connections	"SLC"	A-16 & J-22
Spiked Meter Box Cover	"A32C"	D-13
Stainless Steel Products		
-Saddles	"FS313", "FS323", "FS333"	AA-23
-Tapping Sleeves	"FAST", "FTSS", "FTSAS"	AA-3 to 6
-Repair Clamps		
Single Band	"FS1"	L-2
Double Band	"FS2"	L-3
Triple Band	"FS3"	L-3
-Repair Clamp (Drop-In Bolt)		
Single Band	"FLS1"	L-4
Double Band	"FLS2"	L-5
Triple Band	"FLS3"	L-5
Stop & Waste Ball Valves		G-2 to 7

T

Tandem Coppersetters		F-24
Tandem Resetters (Types "A" & "B")		F-47
Tanks - Calibrated Test		K-4
Tapped Repair Clamps		L-8
Tapping Sleeves		
-Epoxy Coated Steel	"FTSC"	AA-7
-For Concrete Cylinder Pipe	"FRCTS"	AA-9
-For HDPE		HDPE-3 to 6
-Mechanical Joint Option		AA-9
-Mechanical Joint	"MJTS"	AA-8
-Stainless Steel	"FAST", "FTSS", "FTSAS"	AA-3 to 6
-Steel	"FTS"	AA-7
-Weld On	"FWS"	AA-8
Tee Head Adapters	"TAB"	A-11
Tees - Brass Service		
-Coppersetter	"CSTEE", "T1S1"	F-37
-Flare		J-20
-Iron Pipe Thread		J-20
-Pack Joint		J-12
Test Benches for Water Meters		K-1 to 3
Test Bench Parts		K-5 to 7
Test Clamp for 1-1/4", 1-1/2" & 2" Meters	"TC"	K-2
Tester Clamp for 3", 4" & 6" Meters	"TC-A"	K-6
Testerate Indicator	"KTI"	K-3
Thaw Wire	"THW"	A-15 & J-22
Torque Wrench Kit and Replacement Components		AA-25
TouchRead Covers		D-2
Transition Couplings		
-Ductile Iron		
-FC2A		M-19, M-20
-FC2A-L12		M-21, M-22
-Fabricated Steel		
-FC23		M-23 to M-25
-FC5		M-26
-Wide Range		
-FC2W		M-4, M-5, M-42
-FC2W-L12		M-5
Transition Gaskets	"TGA"	UD-25

U

Ultra-Flex Wide Range Couplings	"FC2W", "FC2W-L12"	M-4 & 5, M-42
Ultra-Seal	"CSFG"	AA-2
Ultra-Tite Components		J-3
Unions	"UNION"	J-23
Uni-Ring	"FUR"	UI-22

V

Valve Copperhorns	"VCH"	B-4
Valve Wrenches or Keys		D-2
Valves		
-see Ball Valves		
-see Check Valves		
-see Compression Valves		
-see Inverted Key Valves		

W

Wabash Cover	"W"	D-4
Wall Setters	"WS"	B-8
Washer for Screw Plug Adapters	"WSP"	A-17
Wedding Rings	"WR"	A-15, B-3 & J-19
Wide Range Couplings	"FC2W", "FC2W-L12"	M-4, M-5, M-42
Wiped Lead Corp		
-Conversion Connections	"L", "LA"	A-12 & 20
Worm Lock Assemblies for Meter Box Covers	"WLA"	D-3
Wrench		
-Corp Stop Wrench	"RCORP"	A-11
-Ball Valve Yokebox Wrench	"SAVW"	C-9
-Yokebox Key Valve Wrench	"MBVW"	C-9
-Yoke Lock Nut Spanner Wrench	"YSW"	E-12
-Expansion Connection Wrenches	"YEW"	E-12

X

"X" Type Covers	"X"	D-7

Y

"Y" Branch Connections	"Y"	
-Flare Type		J-19
-Multi Service "Y"		J-20
-Pack Joint Type		J-13
Yoke - Copper Setters		
-see Basement or Inside Setters		
-see Coppersetters		
-see Resetters		
Yoke - Iron Settings		
-Bars - Iron		E-3
-Couplings	"C9"	E-7

DESCRIPTIVE INDEX

	Partial Item Code	Page
Asheville Couplings	"C9F1"	E-12
Petersburg Couplings	"C9F2"	E-12
-Ells	"L"	E-8
Petersburg Ells	"L9F2"	E-12
-Expansion Connections	"EC"	E-2
-Expansion Wrenches	"YEW"	E-12
-Gaskets	"GT"	E-11
-Parts - Miscellaneous		E-12
-Valves		
- Ball Type Valves		E-3, 5 & 6
- Check Valves		E-9 to 11
- Compression Valves		E-5 & 6
- Inverted Key Valves		E-4
-Yokeboxes		
-YS		C-14 & 17
-YL		C-15, 18 & 19
-YM		C-16, 20 & 21
-Long Yokeboxes	"LYL"	C-12 & 13

Partial Item Code	Page

ITEM INDEX

The Ford Meter Box Company, Inc.
Catalog Number Price Book Index

NOTE: MANY OF THE CATALOG NUMBERS ARE LISTED BY THEIR PREFIX ONLY. THIS PREFIX INDICATES THE PRODUCT AREA OR STYLE OF THE ITEM. SPECIFIC SIZES AND OPTIONS ARE DETAILED ON THE PAGE(S) INDICATED.

Item Number	Price Book Page
10	D-13
10-FG	K-4
10-GF	K-4
100-GF	K-4
100-F	K-4
100-L	K-4
1000-G	K-4
1000-L	K-4
101B	AA-12
101BS	AA-13
11	D-13
110ITB	K-2
112ITB	K-2
12	D-13
120ITB	K-2
124ITB	K-2
150-L	K-4
16STB	K-2
1LATB	K-2
1SATB	K-2
1STB	K-2
20-GF	K-4
200-L	K-4
2000-L	K-4
200	M-11
200X & 200Q	M-12
202B	AA-12
202BS	AA-12 & AA-13
202BSD	AA-14
208	M-13
208X & 208Q	M-14
212	M-28
212X & 212Q	M-29
216	M-15
216X & 216Q	M-16
220	M-32
220X & 220Q	M-33
2LATB	K-2
2STB	K-2
2SATB	K-2
271-274	F-10 THRU F-13
3000-L	K-4
31 THRU 34	F-38 THRU F-40
3LATB	K-2
3SATB	K-2
3STB	K-2
32B	D-14
400-L	K-4
4000-L	K-4
401	N-9
401X & 401Q	N-9
402	N-9
402X & 402Q	N-9
403	N-9
403X & 403Q	N-9
404	N-9
404X & 404Q	N-9
41 THRU 44	F-41 THRU F-43
4LATB	K-2
4SATB	K-2
4STB	K-2
50-F	K-4
50-L	K-4
500-G	K-4
500-L	K-4
5000-L	K-4
5STB	K-2
600-L	K-4
602	M-38
602X & 602Q	M-38
603	M-39
603X & 603Q	M-39
6STB	K-2
71 THRU 74	F-4 THRU F-9
8STB	K-2
91-94	F-18 THRU F-23
9500	C-9 & C-23
9501 THRU 9508	C-9 & C-22
9510	C-9 & C-23
9552 THRU 9594	K-5
9555 THRU 9602	K-6
9603 THRU 9628 (EXCEPT 9620-NL)	K-7
9620-NL	K-6
9635	C-24
9710 THRU 9731	K-5
A1 (COVER)	D-5
A12 THRU A14 (ADAPTERS)	H-5
A2 (COVER)	D-5
A23 & A24 (ADAPTERS)	H-5
A3 (COVER)	D-5
A31 (COVER)	D-5
A32 (COVER)	D-5
A32C (COVER)	D-13
A34 (ADAPTERS)	H-5
A4 (COVER)	D-5
A51 & A62	FA-12
A44 THRU A77	H-5
AB-4 & AB-5	GA-6
AMS	K-3
AD-3L THRU AD-4	K-6
AV11 THRU AV68	G-28
AV91 THRU AV97	E-4
AV-LOCKCAP-23	E-12 & G-32
B11	G-2, G-24, G-27 & G-31
B13	G-11
B21	G-3, G-24, G-27 & G-30
B22	G-3, G-24, G-30 & G-31
B23	G-11 & G-30
B24	G-7
B41	G-4, G-24 & G-27
B42	G-25
B43	G-11
B44	G-6, G-26 & G-31
B46	G-7
B47	G-7
B51	G-4 & G-24
B53	G-12
B55	G-6
B61	G-4 & G-25
B62	G-7
B63	G-12
B66	G-6 & G-26
B71	G-5 & G-25
B73	G-12
B77	G-6 & G-26
B81	B5, G-2 & G-25
B82	G-3
B83	G-12
B84	G-5 & G-25
B87	G-5 & G-26
B88	G-2
B8H	AB-1
B91	E-5
B92	E-5
B94 THRU B97	E-6
BA11	G-29
BA12	G-29
BA13	G-15
BA21	G-29
BA22	G-29
BA23	G-15
BA41	G-29
BA43	G-15
BA44	G-29
BA63	G-15
BA73	G-15
BA91 THRU BA96	E-3
BBAA	A-18
BBAI	A-18
BBIA	A-18
BBIM	H-6
BDJ	N-4
BDJX & BDJQ	N-5
BECF	N-6
BECFX & BECFQ	N-6
BEK	L-13
BF13 THRU BF83	G-13
BFA13 THRU BFA43	G-16
BFP83	C-33
BH11 THRU BH64	G-8
BL11	G-2 & G-24
BL21	G-3 & G-24
BL41	G-4 & G-24
BLA	G-14
BPK23 THRU BPK83	FA-6
BRE	F-23
BV-LOCKCAP	E-12 & G-32
C01	J-21
C02	J-21
C04	J-6
C05	J-10
C06	J-7
C07	J-9
C08	J-21
C102 (COUPLING)	A-12 & A-20
C104	A-12 & A-20
C108	A-20
C11	J-23
C14	J-5
C15	J-9
C16	J-7
C17	J-8
C18	J-23
C2 THRU C32 (COVER)	D-6
C21 (COUPLING)	J-18
C21 (COVER)	D-6
C22 (COUPLING)	J-19
C24	J-5
C25	J-10
C26	J-7

ITEM INDEX

Item Number	Price Book Page
C27	J-8
C28	J-18
C3 (COVER)	D-6, D-13 & D-14
C31 THRU C37 (COUPLING)	H-3
C31 & C32 (COVER)	D-6
C38	FA-6, FA-7 & H-2
C4 (COVER)	D-6
C44 (COUPLING)	J-4
C45	J-11
C46	J-10
C47	J-10
C52 & C53 (COVER)	D-6
C55 (COUPLING)	J-9
C56	J-11
C57	J-11
C66	J-6
C67	J-11
C77	J-8
C84	J-4
C85	J-9
C86	J-7
C87	J-8
C88	J-23
C91 THRU C98	E-7
C9F	E-12
CAP	A-16 & J-22
CB-7	GA-6
CB111 & CB144	C-33
CBA THRU CBV	C-34
CBB	GA-6
CBEO	C-24 & C-34
CBLL	C-24 & C-34
CBV-4	C-24 & C-34
CCID	D-3 & FA-12
CF31 THRU CF38	H-4 & H-5
CH11 THRU CHSS	B-2 & B-3
CHS THRU CSSUN1	B-3
CLAMP	B-8 & J-25
CMC	H-3
CPLR	FA-13
CPS	FA-13
CRT	J-2
CS-A & CS-B	J-16
CSA	B-3, B-4, F-7 & F-9
CSFG	AA-2
CS22	J-19
CS8	F-37
CSP	A-18 & J-24
CSS1 THRU CSS8	B-3, F-7 & F-9
CSSS THRU CSSUN	B-3, B-4, F-7 & F-9
CSTEE	F-37
CSUN	B-3 & B-4
CT	H-5
CTN	A-15 & J-22
CX3LP (LID)	D-6, D-7, D-13 & D-14
DB	H-3
DEC	F-47
DG112 THRU DG248	C-28 & C-29
DGBB THRU DGBL	C-30
DGBV	C-32
DGHC	C-31 & C32
DGIR	C-30
DGSSBP	C-30
DH	B-7
DISC	A-16 & J-22
DMA THRU DMY	AB-1 THRU AB-3
EA1	GA-2
EA2	GA-2
EC	C-10, C-11, C-13, C-22, C-24, C-27, C-30, C-32 & E-2
EM1	GA-3
EM2	GA-3 & GA-4
ER	D-8
EXT	D-8
F1	L-6
F1000	A-4
F1001	A-5
F1002	A-6
F101	AA-15 & AA-16
F1100	A-4
F1101	A-5
F1102	A-6
F1600	A-10
F1700	A-10
F2	L-7
F200	A-11
F202	AA-17, AA-18 & AA-22
F3	L-8
F300	A-11
F40	A-17
F400	A-9
F500	A-9
F60	A-17
F600	A-7
F700	A-7
F800	A-8
F900	A-8
FACC	L-14
FAST	AA-3
FASTP	HDPE-3
FB1000	A-4
FB1001	A-5
FB1002	A-6
FB1100	A-4
FB1101	A-5
FB1102	A-6
FB1600	A-10
FB1700	A-10
FB400	A-9
FB500	A-9
FB600	A-7
FB700	A-7
FB800	A-8
FB900	A-8
FBC	L-13
FBN	M-3, M-5, M7 & M-8
FC1	M-17 & HDPE-13
FC1-L12	M-17
FC101	AA-15 & AA-16
FC1G	M-18
FC202	AA-19, AA-20 & AA-22
FC23	M-23 THRU M-25 & HDPE-20 THRU 22
FC2A & FC2A-L12	M-19 THRU M-22 & HDPE-14 & HDPE-15
FC2W & FC2W-L12	M-4, M-5 & M-42 & HDPE-16 & HDPE-17
FC3	M-6 & HDPE-23
FC4	M-7, M-8 & M-43
FC4X & FC4Q	M-9, 10 & M-44
FC5	M-26
FC5X & FC5Q	M-27
FC6	M-30
FC6X & FC6Q	M-31
FCA	M-34 & M-35
FCAX & FCAQ	M-36 & M37
FCC	L-13
FCD202	AA-21
FCP	HDPE-7
FDJ	N-2
FDJX & FDJQ	N-3
FEC	M-45 & HDPE-18
FEC1	M-45
FEC2	M-45
FECF	N-6
FECFX & FECFQ	N-6
FECW	M-42
FEJ	N-7
FEJX & FEJQ	N-8
FFCA	M-40 & HDPE-18
FG	J-17
FIB	D-3, M-45
FIBC	L-13
FL	D-11
FLS1	L-4
FLS2	L-5
FLS3	L-5
FLSC	L-9 & L-10
FLYB	C-9
FPMB	C-33
FP	HDPE-11 & HDPE-12
FPMBC-3	D-7
FPN	J-25
FR (GASKET)	J-16
FR (RESTRAINER)	N-10
FRX & FRQ	N-10
FRCTS	AA-9
FRR	M-11 & HDPE-19
FRS202	AA-24
FS1	L-2
FS2	L-3
FS202	AA-22
FS3	L-3
FS313 THRU FS343	AA-23
FSC	L-9 & L-10
FSC1	L-11
FSERK	L-15 & L-16
FSP	HDPE-9
FSS	AA-24
FTS	AA-7
FTSAS	AA-5 & AA-6
FTSC	AA-7
FTSP	HDPE-5
FTSS	AA-4
FTSSP	HDPE-4
FUR	UI-21
FV13 THRU FV73	G-18
FWS	AA-8 & N-18
FYB	C-9 & C-22
FYR-8	C-22
GBOL	C-28
G00	G-27
G11	C-26
G122 THRU G188	C-25
G44 & G55	G-27
GA11 THRU GA43	G-16 & G-28
GA91 THRU GA94	E-5
GAH31	I-8
GBC	L-13
GBIB THRU GBV	C-27 & C-28
GGAV THRU GGO	C-11 & C-24
GHC	C-25
GJ	J-17
GT (DRILLING MACHINE)	AB-1 & AB-2
GT (METER COUPLING)	H-2
GT (PACK JOINT & GRIP JOINT)	J-16 & J-17

ITEM INDEX

Item Number	Price Book Page
GT (METER TEST BENCH)	K-5 & K-6
GT (YOKE & EXP. CONN.)	E-11
GT (OTHER)	A-12, B-3, C-9, C-10, C-13, C-22, C-23, C-24, C-27, C-30, C-32 & F-7
HA31 THRU HA96	I-6
HA91 THRU HA96	E-10
HB	G-32
HBW	H-3
HFA	I-8
HFS	I-8
HH (HANDLE)	G-32
HH1 THRU HH3 (HANDYHORN)	B-5
HHA31 THRU HHA96	I-5
HHA91 THRU HHA96	E-10
HHARK	I-10
HHB34	I-11
HHC11 THRU HHC81	I-4
HHC30 & HHC80	I-4 & I-9
HHCA31 THRU HHCA37	I-2
HHCA91 THRU HHCA94	E-9 & I-2
HHCCRRK	I-10
HHCH	E-9 & I-3
HHCI	C-9, C-11, C-13, C-28, C-32 & I-4
HHCRK	I-10
HHFA	I-8
HHL34	I-11
HHRK	I-10
HHS00	I-9
HHS11	I-5 & I-9
HHS30 THRU HHS38	I-5
HHS91	E-11 & I-5
HHSCH	B-3
HHSCS	B-3, B-4 & F-7
HL34	I-11
HP-4	G-32
HRK	I-10
HS91	E-11
HS-4	G-32
HS-LID	GA-6
HS00	I-9
HS11 THRU HS91	I-7 & I-8
HT-10 THRU HT-40	K-6
HT-2 THRU HT-4	G-32
HT-34	G-32
HT-67S	G-32
IDLER	H-5 & K-7
INSERT	A-2, G-33, J-2, M-14, N-19 & HDPE-40
ITB	K-3
KA	D-9
KEY	C-10, C-13, C-22, D-2 & GA-6
KH	B-5 & I-9
KHCV	B-5 & I-9
KHSCW	B-6
KTI	K-3 & K-5
KV	G-17 & G-32
L02	A-14 & J-21
L04	A-14 & J-6
L06	A-14 & J-7
L102	A-12 & A-20
L104	A-12 & A-20
L108	A-12 & A-20
L12	A-15
L14	J-5
L15	J-9
L16	J-7
L17	J-8
L18	J-23
L21	A-13 & J-18
L22	J-19
L24	J-5
L25	J-10
L27	J-8
L28	J-18
L31 THRU L38	H-4
L44	J-4
L45	J-11
L46	J-10
L47	J-10
L55	J-9
L66	J-6
L77	J-8
L84	J-4
L85	J-9
L86	J-7
L87	J-8
L88	J-23
L91 THRU L97	E-8
L9F	E-12
LA02	A-13 & J-21
LA04	A-13, A-14 & J-6
LA06	A-13 & J-7
LA102	A-12 & A-20
LA104	A-12 & A-20
LA12	A-15
LA14	A-15 & J-5
LA21	A-13 & J-18
LA81	J-23
LA81-44	A-13
LA84	J-4
LA86	J-7
LF31 THRU LF34	H-4
LFC	A-19
LFSC	A-19
LS THRU LSAVBHH	F-25 THRU F-28
LYABV THRU LYSOB	C-2 THRU C-13
M111	F-48
MB	D-11 & GA-6
MBLK	C-9, C-13, C-22, C-24, C-26, C-30, C-32 & C-34
MBRL	C-23 & C-27
MBUK	C-9, C-13, C-22, C-26 & C-32
MBVW	C-9, C-22, C-24, C-26, C-30 & C-34
MC	D-10 & D-11
MJ TAPPING SLEEVE OPTION	AA-9
MJAK	UD-25
MJBE	L-12
MJC	M-41
MJFA	M-42 & HDPE-19
MJGA	NOT LISTED, CALL FOR PRICE
MJSC	L-12
MJTS	AA-8
MN	H-3
MP	H-6
MSB	G-13, G-16 & G-18
NG	J-16
OD-TAPE	L-1
ORING	B-6, J-3, K-5 & K-6
P-PLL	GA-6
P-PSL	GA-6
P-PXL	GA-6
PB	B-4
PBR	C-9, C-13, C-22, C-34 & D-3
PDB THRU PDVV	FA-2 THRU FA-5
PFC	FA-9 THRU FA-12
PDFC	FA-10
PECTS	J-3
PH	B-7
PJA4	B-6, F-13 & J-5
PJA5	B-6, F-13 & J-9
PJA6	B-6, F-13 & J-7
PJA7	B-6, F-13 & J-8
PJA8	B-6
PJAL	B-6 & F-13
PJAS	B-6
PK	FA-6
PKD	FA-7
PLBR	C-9 & C-22
PL-LID	GA-6
PMBC	D-7
PPSBP	FA-6, FA-7 & FA-14
PPSC	D-9, FA-6, FA-7 & FA-14
PR	D-11 & D-12
PRR	D-11 THRU D-13
PSB	G-13, G-16, G-18, H-4 & H-5
PSBG THRU PSVHH	FA-2 THRU FA-5
PS-EXT	FA-13
PS-LID	GA-6
PTC	J-24
PTFC	FA-9 THRU FA-11
PTDBG THRU PTSVHH	FA-2 & FA-3
PTF THRU PTSS	J-24
PTM	J-24
PTP	C-9, C-13, C-22, C-24, C-26, C-30, C-32, C-34, D-3 & J-24
PTPL	J-24
PTPT	J-25
PXL-LID	GA-6
Q11 THRU Q38	J-14 & J-15
Q1Q1 THRU Q3Q3	J-14
Q1S THRU Q3S	J-14
QJN	J-17
QT67	G-32
RA	F-24
RA42	A-16
RCDD, RCDP & RCPP	UI-8, UI-9, UD-4, UD-5 HDPE-33 & HDPE-34
RCORP	A-11
RESETTER	B-8 & F-47
RETRO	I-12 THRU I-16
RF	H-4
RFAP AND RFAD	UI-6, UI-7, UD-4, HDPE-31 & HDPE-32
RHT	E-12 & G-32
RL	GA-6
RML	D-11
ROD	GA-5
RPR	D-13
RR	D-12
S40 & S41	AA-10
S70 & S71	AA-10
S90 & S91	AA-11
S902 & S912	AA-11
SADDLE	AA-10 & AA-11
SAVW	C-9 & C-22
SDP	K-6
SG13 THRU SG43	G-14
SG91 & SG92	E-6
SI	A-21, E-13, G-34 & J-25
SIM	AB-5 & AB-6
SLC	A-16 & J-22
SO-EZ	UD-25 & HDPE-33
SP-3 & SP-4	A-17
SRK	GA-6
SROD	GA-5
SS	I-15
SS-A THRU SS-C	J-16

ITEM INDEX

Item Number	Price Book Page
ST	F-24
SV13 THRU SV43	G-14
T (TANDEM)	F-24
T1S1	F-37
T11	J-20
T111 THRU T282	J-20
T184	F-37 & J-12
T440 THRU T884	J-12
T882	J-20
T888	J-20
TA46 & TA47	H-5
TAB	A-11
TB	K-3
TB-ADIO	K-3
TC	K-2 & K-6
TC-A	K-6
TD	J-13
TGA (MJ TRANSITION GASKET)	UD-25
TORQ-KIT	AA-243
TP	C-9, C-13, C-22, C-24, C-26, C-30, C-32 & C-34
TVS	E-12
U11 THRU U88	H-6
UA11 THRU UA48	H-6
UAV43	G-20
UAVB43	G-23
UFA200 THRU UFA900	UI-4, UI-5 & HDPE-32
UFR1300-CAS & SAS	UI-15
UFR1300 THRU UFR1399	UI-10 THRU UI-12, UD-6 THRU UD-9 & HDPE-35
UFR1400 THRU UFR1495	UI-16 THRU UI-19, UD-12 THRU UD-18
UFR1500 THRU UFR1559	UI-23 THRU UI-24, UD-21 THRU UD-24 & HDPE-36 THRU HDPE-39
UFRCS1300 THRU UFRCS1390	UI-10 THRU UI-14, UD-10 & UD-11
UFR2800 THRU UFR2850	UI-20 & UI-21, UD-19 & UD-20
UNION	J-23
UTGR	J-3
UTRT	J-3
UV13 THRU UV83	G-19 & G-20
UVB13 THRU UVB83	G-21 & G-22
UVBS	FA-7 & G-23
V271 THRU V274	F-10 THRU F-13
V31 THRU V34	F-38 THRU F-40
V41 THRU V44	F-41 THRU F-43
V46 & V47	F-44
V71 THRU V74	F-3 THRU F-9
V71-81 THRU V74-84	F-16 & F-17
V76 & V77	F-29
V76-86 & V77-87	F-33
V81 THRU V84	F-14 & F15
V86 & V87	F-35
V91 THRU V94	F-18 THRU F-23
VB271 THRU VB274	F-10 THRU F-13
VB31 THRU VB34	F-38 THRU F-40
VB41 THRU VB44	F-41 THRU F-43
VB71 THRU VB74	F-3 THRU F-9
VB71-81 THRU VB74-84	F-16 & F-17
VB76 & VB77	F-29
VB76-86 & VB77-87	F-33
VB81 THRU VB84	F-14 & F-15
VB86 & VB87	F-35
VB91 THRU VB94	F-18 THRU F-23
VBB271 THRU VBB274	F-10 THRU F-13
VBB31 THRU VBB34	F-38 THRU F-40
VBB41 THRU VBB44	F-41 THRU F-43
VBB46 & VBB47	F-44 & F-46
VBB71 THRU VBB74	F-4 THRU F-9
VBB71-81 THRU VBB74-84	F-16 & F-17
VBB76 & VBB77	F-30
VBB76-86 & VBB77-87	F-33
VBB81 THRU VBB84	F-14 & F-15
VBB86 & VBB87	F-35
VBB91 THRU VBB94	F-18 THRU F-23
VBG271 THRU VBG274	F-10 THRU F-13
VBG31 THRU VBG34	F-38 THRU F-40
VBG41 THRU VBG44	F-41 THRU F-43
VBG71 THRU VBG74	F-3 THRU F-9
VBG71-81 THRU VBG74-84	F-16 & F-17
VBG81 THRU VBG84	F-14 & F-15
VBG91 THRU VBG94	F-18 THRU F-23
VBH271 THRU VBH274	F-10 THRU F-13
VBH31 THRU VBH34	F-38 THRU F-40
VBH41 THRU VBH44	F-41 THRU F-43
VBH46 & VBH47	F-45 & F-46
VBH71 THRU VBH74	F-3 THRU F-9
VBH71-81 THRU VBH74-84	F-16 & F-17
VBH76 & VBH77	F-31
VBH76-86 & VBH77-87	F-34
VBH81 THRU VBH84	F-14 & F-15
VBH86 & VBH87	F-36
VBH91 THRU VBH94	F-18 THRU F-23
VBHC271 THRU VBHC274	F-10 THRU F-13
VBHC31 THRU VBHC34	F-38 THRU F-40
VBHC41 THRU VBHC44	F-41 THRU F-43
VBHC71 THRU VBHC74	F-3 THRU F-9
VBHC71-81 VBHC74-84	F-16 & F-17
VBHC81 THRU VBHC84	F-14 & F-15
VBHC91 THRU VBHC94	F-18 THRU F-23
VBHH271 THRU VBHH274	F-10 THRU F-13
VBHH31 THRU VBHH34	F-38 THRU F-40
VBHH41 THRU VBHH44	F-41 THRU F-43
VBHH46 & VBHH47	F-45 & F-46
VBHH71 THRU VBHH74	F-3 THRU F-9
VBHH71-81 THRU VBHH74-84	F-16 & F-17
VBHH76 & VBHH77	F-32
VBHH76-86 & VBHH77-87	F-34
VBHH81 THRU VBHH84	F-14 & F-15
VBHH86 & VBHH87	F-36
VBHH91 THRU VBHH94	F-18 THRU F-23
VCH	B-4
VH271 THRU VH274	F-10 THRU F-13
VH31 THRU VH34	F-38 THRU F-40
VH41 THRU VH44	F-41 THRU F-43
VH46 & VH47	F-44 & F-46
VH71 THRU VH74	F-3 THRU F-9
VH71-81 THRU VH74-84	F-16 & F-17
VH76 & VH77	F-31
VH76-86 & VH77-87	F-34
VH81 THRU VH84	F-14 & F-15
VH86 & VH87	F-36
VH91 THRU VH94	F-18 THRU F-23
VHC271 THRU VHC274	F-10 THRU F-13
VHC31 THRU VHC34	F-38 THRU F-40
VHC41 THRU VHC44	F-41 THRU F-43
VHC71 THRU VHC74	F-3 THRU F-9
VHC71-81 THRU VHC74-84	F-16 & F-17
VHC81 THRU VHC84	F-14 & F-15
VHC91 THRU VHC94	F-18 THRU F-23
VHH271 THRU VHH274	F-10 THRU F-13
VHH31 THRU VHH34	F-38 THRU F-40
VHH41 THRU VHH44	F-41 THRU F-43
VHH46 & VHH47	F-44 & F-46
VHH71 THRU VHH74	F-3 THRU F-9
VHH71-81 THRU VHH74-84	F-16 & F-17
VHH76 & VHH77	F-32
VHH76-86 & VHH77-87	F-34
VHH81 THRU VHH84	F-14 & F-15
VHH86 & VHH87	F-36
VHH91 THRU VHH94	F-18 THRU F-23
VV271 THRU VV274	F-10 THRU F-13
VV31 THRU VV34	F-38 THRU F-40
VV41 THRU V44	F-41 THRU F-43
VV46 & VV47	F-44 & F-45
VV71 THRU VV74	F-3 THRU F-9
VV71-81 THRU VV74-84	F-16 & F-17
VV76 & VV77	F-30
VV76-86 & VV77-87	F-33
VV81 THRU VV84	F-14 & F-15
VV86 & VV87	F-35
VV91 THRU VV94	F-18 THRU F-23
VVG271 THRU VVG274	F-10 THRU F-13
VVG31 THRU VVG34	F-38 THRU F-40
VVG41 THRU VVG44	F-41 THRU F-43
VVG71 THRU VVG74	F-3 THRU F-9
VVG71-81 THRU VVG74-84	F-16 & F-17
VVG81 THRU VVG84	F-14 & F-15
VVG91 THRU VVG94	F-18 THRU F-23
W1 THRU W4	D-4
W31 THRU W32	D-4
WA1L THRU WA3L	D-5 & D-9
WA5L	D-5 & FA-12
WLA	D-3
WR	A-15, B-3 & J-19
WS88	B-8
WSB	B-8
WSP	A-17
X3 & X4	D-7
X3L & X4L	D-7
Y11	J-20
Y201 & Y202	E-3
Y21 THRU Y28	J-19
Y44 THRU Y48	J-13
Y501 THRU Y504P	E-3
Y66 THRU Y68	J-13
Y88	J-19
YBAO THRU YBHC	C-10, C-11, C-13, C-23 & C-24
YBL	C-24
YBPR	C-22
YBSO THRU YBSV	C-10 & C-23
YBUC	C-24
YBV-4 (USE CBV-4)	C-24
YEW	C-9, C-22 & E-12
YJLP	C-23
YJUC	C-23
YL (LID ONLY)	C-23 & C-27
YL-L THRU YL-T	C-23 & C-27
YL THRU YLHC	C-15, C-18, C-19 & C-24
YLL	C-23 & C-27
YLP	C-23 & C-27
YM THRU YMHC	C-16, C-20 & C-21
YLN	E-12
YS THRU YSHC	C-14 & C-17
YSW	E-12
YUC	C-23
Z11 THRU Z77	G-9, G-10, G-30 & G-31
ZL11 & ZS11	G-9
ZX11	G-8

FORD CORPORATION STOPS AND BALLCORP
SECTION A

A

TYPE OF CORPORATION STOP
- **F** = Key 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 1000 - 3 - G - NL

INLET AND OUTLET CONNECTION TYPE

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

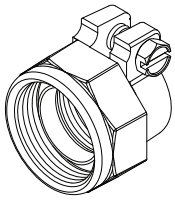
* Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

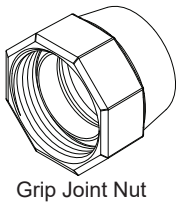
** Schedule 40 and 80 or DR9 and DR11 IPS PE

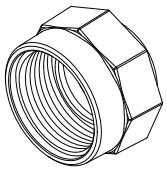
OPTIONS
- **G** = Grip Joint (3/4"-2" CTS and 3/4" and 1" PEP)
- **Q** = Quick Joint (for indicated items)
- **TA** = Tee-Head Adapter for 1-1/4", 1-1/2" and 2" ballcorp
- **TW-Q** = CTS Quick Joint Nut with Tracer Wire Terminal (contact factory for pricing)
- ***U-ANWT** = Ultra-Tite Coupling (requires a drilling/tapping machine adapter for MIP threads)
- ***U2-ANWT** = Ultra-Tite Coupling (requires a drilling/tapping machine adapter for flare copper threads)
- **IDR7** = Pack Joint for 1-1/2" and 2" PEP requires dimension ratio designation

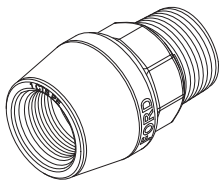
* Ultra-Tite couplings assembled to corporation stop hand-tight.

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

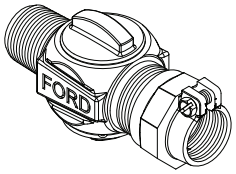

Pack Joint Nut


Grip Joint Nut

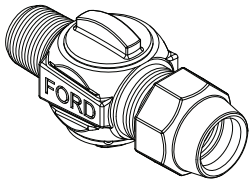

Quick Joint Nut


Ultra-Tite Connection

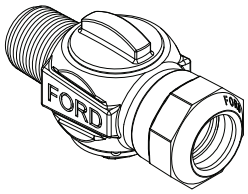
Compression Connection Types for Corporation Stops



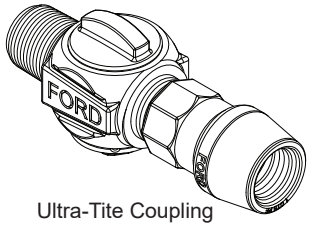
Pack Joint Nut



Grip Joint Nut
(-G)



Quick Joint Nut
(-Q)

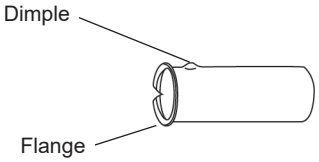


Ultra-Tite Coupling
assembled hand tight (-U-ANWT)

INSERT STIFFENERS

A

Before using Ford Insert Stiffeners, be sure inside tubing or pipe dimensions correspond to the table below. Ford recommends using insert stiffeners when using plastic pipe or tubing.

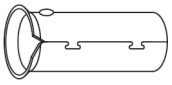


Ford Insert Stiffeners are solid 304 tubular stainless steel, dimpled and flanged to retain placement within the service line.

50 SERIES FOR POLYETHYLENE TUBING (PET) (CTS DR9)

Catalog Number	Nominal Size	PET Ave. I.D.	Approx. Wt. Lbs.*	Std. Pkg. Qty.	List Price
INSERT-51	3/4"	0.669	4.8	200	**$ 3.41**
INSERT-52	1"	0.860	4.2	100	**3.61**
** **INSERT-53-72**	1-1/4"	1.051	2.9	50	**4.44**
♦*** **INSERT-53-72-Q**	1-1/4"	1.051	2.9	50	**4.44**
INSERT-54	1-1/2"	1.241	3.1	25	**4.97**
♦ **INSERT-54-Q**	1-1/2"	1.625	2.6	30	**4.97**
INSERT-55	2"	1.241	6.0	40	**4.97**
♦ **INSERT-55-Q**	2"	1.625	5.8	50	**4.97**

70 SERIES FOR POLYETHYLENE PIPE (PEP) (IDR7)



Catalog Number	Nominal Size	PET Ave. I.D.	Approx. Wt. Lbs.*	Std. Pkg. Qty.	List Price
INSERT-71	3/4"	0.824	4.4	100	**$ 3.84**
** **INSERT-53-72**	1"	1.049	2.9	50	**4.44**
♦*** **INSERT-53-72-Q**	1"	1.049	2.9	50	**4.44**
INSERT-73	1-1/4"	1.380	5.8	75	**6.59**
INSERT-74	1-1/2"	1.610	5.5	45	**7.25**
INSERT-75	2"	2.067	9.7	50	**7.94**

Inserts for OD Controlled DR11 High Density Polyethylene (HDPE) Pipe with PVC/IPS PE O.D.

Catalog Number	Nominal Size & Pipe Type	DR	HDPE OD	Average I.D.	Std. Pkg. Qty.	List Price
INSERT-51	1/2" IPS	11	0.840	0.679	200	**$ 3.41**
INSERT-52	3/4" IPS	11	1.050	0.849	100	**3.61**
** **INSERT-53-72**	1" IPS	11	1.315	1.061	50	**4.44**
INSERT-73-DR11	1-1/4" IPS	11	1.660	1.340	60	**7.25**
INSERT-74-DR11	1-1/2" IPS	11	1.900	1.533	45	**7.77**
INSERT-75-DR11	2" IPS	11	2.375	1.917	50	**8.79**

Inserts for OD Controlled DR9 High Density Polyethylene (HDPE) Pipe with PVC/IPS PE O.D.

Catalog Number	Nominal Size and Pipe Type	DR	HDPE OD	Average ID	Std. Pkg. Qty.	List Price
INSERT-71	3/4" IPS	9	1.050	0.802	100	**$ 3.84**
INSERT-72-DR9	1" IPS	9	1.315	1.005	200	**4.26**

* Weights for insert stiffeners are for standard package quantities.

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

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

♦ These inserts are specifically designed and required for Quick Joint fittings and **are not** interchangeable with other compression fittings. These inserts are not suitable for any other application. Additionally, standard inserts are not compatible with this size and type of Quick Joint fitting.

DRILLING MACHINE ADAPTERS

Table of Recommended Drill Sizes for Installation of Corporation Stops in Service Clamps or Saddles with a Drilling Machine

Corporation Stop Size	1/2"	5/8"	5/8" x 3/4"	3/4"	3/4" x 1"	1"	1-1/4"	1-1/2"	2"
Maximum Drill Size for Stop with AWWA Thread Inlet	7/16"	9/16"	9/16"	11/16"	11/16"	15/16"	1-3/16"	1-7/16"	1-7/8"
Maximum Drill Size for Stop with Iron Pipe Thread Inlet	7/16"	-	-	11/16"	11/16"	7/8"	1-3/16"	1-7/16"	1-7/8"

Recommended Drilling Machine Adapters

Size	Ford Corporation Number	Outlet Threads	Mueller		Romac	Ridgid	Reed	Ford	
			E-4 & E-5	D-4 & D-5	Tapmate Tool	MLT3401	DM1100	Model 77	Simtap
1/2"	F1000	1/2" Fl. Copper	63796	-	-	-	-	DMA2-1-NL	-
5/8" x 3/4"	F1000	3/4" Fl. Copper	52019	37902	351-05-506	92097	08423	DMA2-3-NL	SIMDMA2-3-NL
3/4"	F (or FB) 1000, 1100								
3/4"	F (or FB) 1001, 1101, 1002, 1102	1" Fl. Copper	36750	37903	351-05-508	92102	08424	DMA2-4-NL	SIMDMA2-4-NL
3/4" x 1"	F (or FB) 1000, 1100								
1"	F (or FB) 1000, 1100								
3/4" x 1"	F1001, 1101, 1002, 1102	1-1/4" Fl. Copper	45385	37904	351-05-510	92107	-	DMA2-5-NL	SIMDMA2-5-NL
1"	F (or FB) 1001, 1101, 1002, 1102								
1" x 1-1/4"	F (or FB) 1000, 1100								
1-1/4"	FB1000, 1100								
	FB1001, 1101, 1002, 1102								
1-1/4" x 1-1/2"	FB1000, 1100	1-1/2" Fl. Copper	501947	37905	351-05-512	92112	08425	DMA2-6-NL	SIMDMA2-6-NL
1-1/2"	FB1000, 1100, 1002, 1102								
	FB1001, 1101								
1-1/2" x 2"	FB1000, 1100	2" Fl. Copper	508201	37906	351-05-516	92117	08426	DMA2-7-NL	**See Note
2"	FB1000, 1100								
	FB1001, 1101, 1002, 1102								
Special Adapters									
3/4"	F (or FB) 1001-3-Q, 1101-3-Q	Special Thread	508919	508917	-	-	08423	DMA6-3-Q-NL	SIMDMA6-3-Q-NL
1"	F (or FB) 1001-4-Q, 1101-4-Q		508920	508918	-	-	08424	DMA6-4-Q-NL	SIMDMA6-4-Q-NL
1-1/4"	FB1000-5-Q, 1100-5-Q		-	-	-	-	-	*DMA4-5F-Q-SS	SIMDMA4-5-Q-NL
1-1/2"	FB1000-6-Q, 1100-6-Q		501949	507644	351-05-712	92157	08431	DMA4-6-Q-NL	SIMDMA4-6-Q-NL
2"	FB1000-7-Q, 1100-7-Q		508199	507645	351-05-716	92162	08432	DMA4-7-Q-NL	SIMDMA4-7-Q-NL

* Requires DMBB Boring Bar.
** Use the SIMTAP™ drilling machine body without an adapter.

Recommended Tapping Machine Adapters

Size	Ford Corporation Number	Outlet Threads	Mueller			Reed	Ridgid
			B-100 & B-101	B	A-2 & A-3	TM100	MLT3401
5/8" x 3/4"	F1000	3/4" Fl. Copper	680600	680600	680600	98423	92182
3/4"	F (or FB) 1000, 1100						
3/4"	F (or FB) 1001, 1101, 1002, 1102	1" Fl. Copper	680601	680601	680601	98424	92187
3/4" x 1"	F (or FB) 1000, 1100						
1"	F (or FB) 1000, 1100						
3/4" x 1"	F1001, 1101, 1002, 1102	1-1/4" Fl. Copper	680602	-	680602	-	-
1"	F (or FB) 1001, 1101, 1002, 1102						
1" x 1-1/4"	F (or FB) 1000, 1100						
1-1/4"	FB1000, 1100						
	FB1001, 1101, 1002, 1102	1-1/2" Fl. Copper	-	-	88640	-	-
1-1/4" x 1-1/2"	FB1000, 1100						
1-1/2"	FB1000, 1100, 1002, 1102						
	FB1001, 1101	2" Fl. Copper	-	-	88641	-	-
1-1/2" x 2"	FB1000, 1100						
2"	FB1000, 1100						
	FB1001, 1101, 1002, 1102						
Special Adapters							
3/4"	F (or FB) 1001-3-Q, 1101-3-Q	Special Thread	680688	-	-	98423	-
1"	F (or FB) 1001-4-Q, 1101-4-Q		680689	-	680689	98424	-
1-1/2"	FB1000-6-Q, 1100-6-Q		-	-	680421	-	-
2"	FB1000-7-Q, 1100-7-Q		-	-	680422	-	-

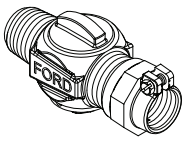
WARNING: Some tapping machine adapters furnished by the tapping machine manufacturers are not threaded all the way to the bottom of the adapter. This can cause problems when installing Ford Pack Joint and Grip Joint style Corporation Stops. If your adapter is NOT threaded to the bottom, a free washer-type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

FORD CORPORATION STOPS

CORP STOPS WITH PACK JOINT OUTLET FOR COPPER OR PLASTIC TUBE (CTS)

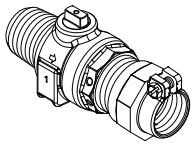
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F1000 - AWWA/CC TAPER THREAD INLET BY PACK JOINT OUTLET FOR COPPER OR PLASTIC TUBING (CTS)



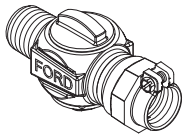
Catalog Number	Description			Body Outlet Threads	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size				
♦ F1000-1-NL	1/2"	1/2"	1/2"	1/2" Flare Copper	0.8	15	$ 65.72
♦ F1000-2-NL	5/8"	5/8"	5/8"	5/8" Flare Copper	1.4	10	75.06
F1000-23-NL	5/8"	5/8"	3/4"	3/4" Flare Copper	1.3	10	75.06
►♦ F1000-3-NL	3/4"	3/4"	3/4"	3/4" Flare Copper	1.6	10	78.25
F1000-32-Q-NL	3/4"	3/4"	5/8"	5/8" Flare Copper	1.7	10	80.11
►♦ F1000-34-NL	3/4"	3/4"	1"	1" Flare Copper	1.8	10	99.58
►♦ F1000-4-NL	1"	1"	1"	1" Flare Copper	2.6	6	118.35
F1000-45-NL	1"	1"	1-1/4"	1-1/4" Flare Copper	3.2	5	169.67

FB1000 BALLCORP - AWWA/CC TAPER THREAD INLET BY PACK JOINT OUTLET FOR COPPER OR PLASTIC TUBING (CTS)



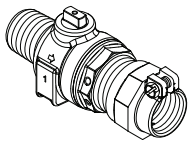
Catalog Number	Description			Body Outlet Threads	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size				
►♦ FB1000-3-NL	3/4"	3/4"	3/4"	3/4" Flare Copper	1.5	12	$ 115.78
► FB1000-34-NL	3/4"	3/4"	1"	1" Flare Copper	1.8	12	142.17
►♦ FB1000-4-NL	1"	1"	1"	1" Flare Copper	2.2	8	152.24
FB1000-45-NL	1"	1"	1-1/4"	1-1/4" Flare Copper	2.7	6	201.43
* FB1000-45-Q-NL	1"	1"	1-1/4"	1-1/4" Special Thread	2.5	6	201.43
FB1000-5-NL	1-1/4"	1-1/4"	1-1/4"	1-1/4" Flare Copper	4.4	2	325.75
* FB1000-5-Q-NL	1-1/4"	1-1/4"	1-1/4"	1-1/4" Special Thread	4.2	2	325.75
FB1000-56-NL	1-1/4"	1-1/4"	1-1/2"	1-1/2" Flare Copper	5.6	-	415.17
FB1000-6-NL	1-1/2"	1-1/2"	1-1/2"	1-1/2" Flare Copper	6.1	1	341.18
* FB1000-6-Q-NL	1-1/2"	1-1/2"	1-1/2"	1-1/2" Special Thread	5.1	2	341.18
FB1000-67-NL	1-1/2"	1-1/2"	2"	2" Flare Copper	7.3	1	415.17
FB1000-7-NL	2"	2"	2"	2" Flare Copper	10.0	1	564.31
* FB1000-7-Q-NL	2"	2"	2"	2" Special Thread	8.3	1	564.31
FB1000-78-NL	2"	2"	2-1/2"	2-1/2" Flare Copper	10.0	1	596.02

F1100 - MALE IRON PIPE THREAD INLET BY PACK JOINT OUTLET FOR COPPER OR PLASTIC TUBING (CTS)



Catalog Number	Description			Body Outlet Threads	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size				
♦ F1100-1-NL	1/2"	1/2"	1/2"	1/2" Flare Copper	0.8	18	$ 65.72
►♦ F1100-3-NL	3/4"	3/4"	3/4"	3/4" Flare Copper	1.5	10	78.25
► F1100-34-NL	3/4"	3/4"	1"	1" Flare Copper	1.7	10	99.58
►♦ F1100-4-NL	1"	1"	1"	1" Flare Copper	2.5	6	118.35

FB1100 BALLCORP - MALE IRON PIPE THREAD INLET BY PACK JOINT OUTLET FOR COPPER OR PLASTIC TUBING (CTS)



Catalog Number	Description			Body Outlet Threads	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size				
►♦ FB1100-3-NL	3/4"	3/4"	3/4"	3/4" Flare Copper	1.4	12	$ 115.78
► FB1100-34-NL	3/4"	3/4"	1"	1" Flare Copper	1.7	12	142.17
►♦ FB1100-4-NL	1"	1"	1"	1" Flare Copper	2.1	8	152.24
FB1100-45-NL	1"	1"	1-1/4"	1-1/4" Flare Copper	2.6	6	201.43
FB1100-5-NL	1-1/4"	1-1/4"	1-1/4"	1-1/4" Flare Copper	4.3	2	325.75
* FB1100-5-Q-NL	1-1/4"	1-1/4"	1-1/4"	1-1/4" Special Thread	4.0	2	325.75
FB1100-56-NL	1-1/4"	1-1/4"	1-1/2"	1-1/2" Flare Copper	5.4	1	415.17
FB1100-6-NL	1-1/2"	1-1/2"	1-1/2"	1-1/2" Flare Copper	5.9	1	341.18
* FB1100-6-Q-NL	1-1/2"	1-1/2"	1-1/2"	1-1/2" Special Thread	4.8	1	341.18
FB1100-67-NL	1-1/2"	1-1/2"	2"	2" Flare Copper	7.0	1	415.17
FB1100-7-NL	2"	2"	2"	2" Flare Copper	9.6	1	564.31
* FB1100-7-Q-NL	2"	2"	2"	2" Special Thread	7.8	1	564.31
FB1100-78-NL	2"	2"	2-1/2"	2-1/2" Flare Copper	9.5	1	596.02

♦ **Quick Joint** is available. Insert "-Q" into the catalog number.

* 1-1/4", 1-1/2" and 2" Quick Joint Ballcorp corporation stop outlet threads require a special threaded drilling machine adapter. See page A-3 for drilling machine adapters.

► **Ultra-Tite** compression is available. Insert "U-ANWT" (MIP outlet threads), U2-ANWT (flare copper outlet threads) into the catalog number. (Consists of corporation stop and Ultra-Tite coupling assembled hand tight.) Consult factory for pricing and availability. Example: FB1100-4-U-ANWT-NL

Grip Joint for 3/4" - 2" CTS can be ordered by adding "-G" to the catalog number.

For **reclaimed water** (Ballcorp style only), insert "RW" into the catalog number. Example: FB**RW**1000-3-NL

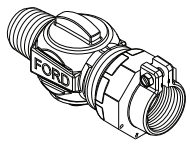
Add to price. . . . . **$ 12.83**

NOTE: Ford recommends using insert stiffeners when using plastic pipe or tubing. Insert stiffeners are listed on page 2 of this section.

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

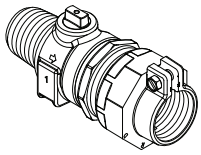
CORP STOPS WITH PACK JOINT OUTLET FOR PE PIPE (SIDR7)

F1001 - AWWA/CC TAPER THREAD INLET BY PACK JOINT OUTLET FOR PE PIPE (SIDR7)



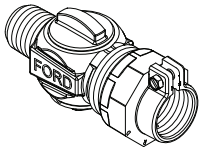
Catalog Number	Description			Body Outlet Threads	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size				
► F1001-3-NL	3/4"	3/4"	3/4"	1" Flare Copper	1.8	10	$ 97.10
* F1001-3-Q-NL	3/4"	3/4"	3/4"	1" Special Thread	1.9	10	97.10
► F1001-34-NL	3/4"	3/4"	1"	1-1/4" Flare Copper	2.4	4	129.30
► F1001-4-NL	1"	1"	1"	1-1/4" Flare Copper	3.2	5	163.49
* F1001-4-Q-NL	1"	1"	1"	1-1/4" Special Thread	3.0	4	163.49

FB1001 BALLCORP - AWWA/CC TAPER THREAD INLET BY PACK JOINT OUTLET FOR PE PIPE (SIDR7)



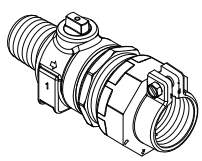
Catalog Number	Description			Body Outlet Threads	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size				
► FB1001-3-NL	3/4"	3/4"	3/4"	1" Flare Copper	1.9	12	$ 142.17
* FB1001-3-Q-NL	3/4"	3/4"	3/4"	1" Special Thread	1.9	12	142.17
► FB1001-4-NL	1"	1"	1"	1-1/4" Flare Copper	2.7	6	174.07
* FB1001-4-Q-NL	1"	1"	1"	1-1/4" Special Thread	2.6	8	174.07
FB1001-5-NL	1-1/4"	1-1/4"	1-1/4"	1-1/2" Flare Copper	5.4	2	383.76
FB1001-6-IDR7-NL	1-1/2"	1-1/2"	1-1/2"	2" Flare Copper	7.4	1	415.17
FB1001-7-IDR7-NL	2"	2"	2"	2" Flare Copper	9.9	1	596.02

F1101 - MALE IRON PIPE THREAD INLET BY PACK JOINT OUTLET FOR PE PIPE (SIDR7)



Catalog Number	Description			Body Outlet Threads	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size				
► F1101-3-NL	3/4"	3/4"	3/4"	1" Flare Copper	1.8	10	$ 97.10
* F1101-3-Q-NL	3/4"	3/4"	3/4"	1" Special Thread	1.8	10	97.10
► F1101-34-NL	3/4"	3/4"	1"	1-1/4" Flare Copper	2.3	4	129.30
► F1101-4-NL	1"	1"	1"	1-1/4" Flare Copper	3.1	5	163.49
* F1101-4-Q-NL	1"	1"	1"	1-1/4" Special Thread	3.0	6	163.49

FB1101 BALLCORP - MALE IRON PIPE THREAD INLET BY PACK JOINT OUTLET FOR PE PIPE (SIDR7)



Catalog Number	Description			Body Outlet Threads	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size				
► FB1101-3-NL	3/4"	3/4"	3/4"	1" Flare Copper	1.8	12	$ 142.17
* FB1101-3-Q-NL	3/4"	3/4"	3/4"	1" Special Thread	1.8	12	142.17
► FB1101-4-NL	1"	1"	1"	1-1/4" Flare Copper	2.6	6	174.07
* FB1101-4-Q-NL	1"	1"	1"	1-1/4" Special Thread	2.5	8	174.07
FB1101-5-NL	1-1/4"	1-1/4"	1-1/4"	1-1/2" Flare Copper	5.0	2	383.76
FB1101-6-IDR7-NL	1-1/2"	1-1/2"	1-1/2"	2" Flare Copper	7.1	1	415.17
FB1101-7-IDR7-NL	2"	2"	2"	2" Flare Copper	9.4	1	596.02

Grip Joint for PEP (3/4" and 1") can be ordered by inserting "-G" into the catalog number. Example: FB1101-3-G-NL

***** Body outlet threads for 3/4" and 1" PE pipe are special with Quick Joint option. See tables on page A-3 for drilling machine adapters.

► **Ultra-Tite** compression is available. Insert "U-ANWT" (MIP outlet threads), U2-ANWT (flare copper outlet threads) into the catalog number. (Consists of corporation stop and Ultra-Tite coupling assembled hand tight.) Consult factory for pricing and availability. Example: FB1101-4-U2-ANWT-NL

For **reclaimed water** (Ballcorp style only), insert "RW" into the catalog number. Example: FB**RW**1001-3-NL

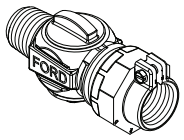
Add to price . . . . . **$ 12.83**

NOTE: Ford recommends using insert stiffeners when using plastic pipe or tubing. Insert stiffeners are listed on page 2 of this section.

CORP STOPS WITH PACK JOINT OUTLET FOR PVC/IPS PE PIPE

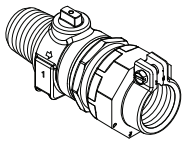
A

F1002 - AWWA/CC TAPER THREAD INLET BY PACK JOINT OUTLET FOR PVC/IPS PE PIPE



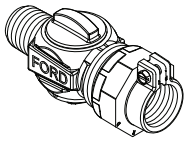
Catalog Number	Description			Body Outlet Threads	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size				
F1002-3-NL	3/4"	3/4"	3/4"	1" Flare Copper	1.9	10	**$ 97.10**
F1002-34-NL	3/4"	3/4"	1"	1-1/4" Flare Copper	2.4	4	**129.30**
F1002-4-NL	1"	1"	1"	1-1/4" Flare Copper	3.3	5	**163.49**

FB1002 BALLCORP - AWWA/CC TAPER THREAD INLET BY PACK JOINT OUTLET FOR PVC/IPS PE PIPE



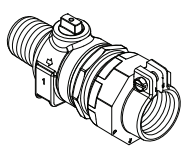
Catalog Number	Description			Body Outlet Threads	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size				
FB1002-3-NL	3/4"	3/4"	3/4"	1" Flare Copper	1.9	12	**$ 142.17**
FB1002-4-NL	1"	1"	1"	1-1/4" Flare Copper	2.8	6	**174.07**
FB1002-5-NL	1-1/4"	1-1/4"	1-1/4"	1-1/2" Flare Copper	5.4	2	**383.76**
FB1002-6-NL	1-1/2"	1-1/2"	1-1/2"	1-1/2" Flare Copper	5.7	1	**415.17**
FB1002-7-NL	2"	2"	2"	2" Flare Copper	10.6	1	**596.02**

F1102 - MALE IRON PIPE THREAD INLET BY PACK JOINT OUTLET FOR PVC/IPS PE PIPE



Catalog Number	Description			Body Outlet Threads	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size				
F1102-3-NL	3/4"	3/4"	3/4"	1" Flare Copper	1.8	10	**$ 97.10**
F1102-34-NL	3/4"	3/4"	1"	1-1/4" Flare Copper	2.4	8	**129.30**
F1102-4-NL	1"	1"	1"	1-1/4" Flare Copper	3.2	5	**163.49**

FB1102 BALLCORP - MALE IRON PIPE THREAD INLET BY PACK JOINT OUTLET FOR PVC/IPS PE PIPE

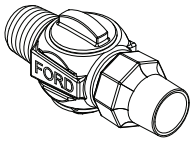


Catalog Number	Description			Body Outlet Threads	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size				
FB1102-3-NL	3/4"	3/4"	3/4"	1" Flare Copper	1.8	12	**$ 142.17**
FB1102-4-NL	1"	1"	1"	1-1/4" Flare Copper	2.7	6	**174.07**
FB1102-5-NL	1-1/4"	1-1/4"	1-1/4"	1-1/2" Flare Copper	5.3	2	**383.76**
FB1102-6-NL	1-1/2"	1-1/2"	1-1/2"	1-1/2" Flare Copper	5.4	1	**415.17**
FB1102-7-NL	2"	2"	2"	2" Flare Copper	10.1	1	**596.02**

For **reclaimed water** (Ballcorp style only), insert "RW" into the catalog number. Example: FB**RW**1102-3-NL
Add to price ..... **$ 12.83**

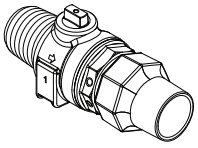
CORPORATION STOPS WITH OUTLET FOR FLARE COPPER

F600 - AWWA/CC TAPER THREAD INLET BY FLARE COPPER OUTLET



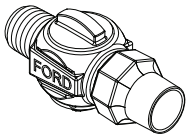
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
F600-1-NL	1/2"	1/2"	1/2"	0.8	20	**$ 57.12**
F600-2-NL	5/8"	5/8"	5/8"	1.3	12	**64.65**
F600-23-NL	5/8"	5/8"	3/4"	1.4	14	**69.69**
F600-3-NL	3/4"	3/4"	3/4"	1.7	10	**72.78**
F600-34-NL	3/4"	3/4"	1"	1.9	5	**90.28**
F600-4-NL	1"	1"	1"	2.7	6	**111.20**
F600-45-NL	1"	1"	1-1/4"	3.3	6	**153.81**

FB600 BALLCORP - AWWA/CC TAPER THREAD INLET BY FLARE COPPER OUTLET



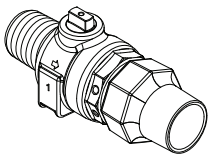
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
FB600-3-NL	3/4"	3/4"	3/4"	1.6	12	**$ 112.31**
FB600-34-NL	3/4"	3/4"	1"	1.9	12	**138.68**
FB600-4-NL	1"	1"	1"	2.2	8	**144.18**
FB600-5-NL	1-1/4"	1-1/4"	1-1/4"	4.5	2	**325.75**
FB600-56-NL	1-1/4"	1-1/4"	1-1/2"	5.3	-	**341.18**
FB600-6-NL	1-1/2"	1-1/2"	1-1/2"	6.0	1	**341.18**
FB600-67-NL	1-1/2"	1-1/2"	2"	9.0	1	**473.08**
FB600-7-NL	2"	2"	2"	10.1	1	**596.02**

F700 - MALE IRON PIPE THREAD INLET BY FLARE COPPER OUTLET



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
F700-1-NL	1/2"	1/2"	1/2"	0.7	-	**$ 57.12**
F700-3-NL	3/4"	3/4"	3/4"	1.6	10	**72.78**
F700-34-NL	3/4"	3/4"	1"	2.0	8	**90.28**
F700-4-NL	1"	1"	1"	2.6	6	**111.20**
F700-45-NL	1"	1"	1-1/4"	3.2	-	**153.81**

FB700 BALLCORP - MALE IRON PIPE THREAD INLET BY FLARE COPPER OUTLET



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
FB700-3-NL	3/4"	3/4"	3/4"	1.5	12	**$ 112.31**
FB700-34-NL	3/4"	3/4"	1"	1.8	-	**138.68**
FB700-4-NL	1"	1"	1"	2.1	8	**144.18**
FB700-5-NL	1-1/4"	1-1/4"	1-1/4"	4.4	2	**325.75**
FB700-56-NL	1-1/4"	1-1/4"	1-1/2"	5.5	-	**341.18**
FB700-6-NL	1-1/2"	1-1/2"	1-1/2"	5.8	1	**341.18**
FB700-67-NL	1-1/2"	1-1/2"	2"	8.9	1	**473.08**
FB700-7-NL	2"	2"	2"	9.7	1	**596.02**

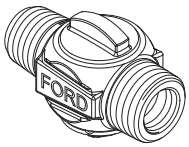
NOTE: Quarter and eighth bends for F600, F700, FB600 and FB700 corporation stops are priced separately on pages A-13 and A-14 of this price book.

For **reclaimed water** (Ballcorp style only), insert "RW" into the catalog number. Example: FB**RW**700-3-NL

Add to price . . . . . **$ 12.83**

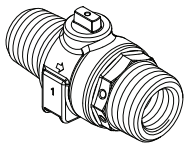
CORP STOPS WITH INCREASED IRON PIPE THREAD OUTLET WITH INSIDE DRIVING THREAD

F800 - AWWA/CC TAPER THREAD INLET BY INCREASED MIP THREAD OUTLET WITH INSIDE DRIVING THREAD



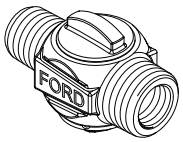
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
F800-1-NL	1/2"	1/2"	3/4"	0.7	20	**$ 57.12**
F800-2-NL	5/8"	5/8"	3/4"	1.1	15	**63.44**
F800-3-NL	3/4"	3/4"	1"	1.4	10	**68.76**
F800-4-NL	1"	1"	1-1/4"	2.3	8	**103.93**

FB800 BALLCORP - AWWA TAPER THREAD INLET BY INCREASED MIP THREAD OUTLET WITH INSIDE DRIVING THREAD



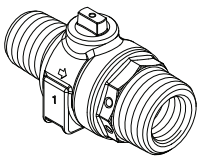
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
FB800-3-NL	3/4"	3/4"	1"	1.3	10	**$ 112.05**
FB800-4-NL	1"	1"	1-1/4"	1.9	10	**141.83**
FB800-5-NL	1-1/4"	1-1/4"	1-1/2"	3.8	2	**307.55**
FB800-6-NL	1-1/2"	1-1/2"	2"	4.9	2	**313.09**
FB800-7-NL	2"	2"	2-1/2"	7.9	1	**533.96**

F900 - MALE IRON PIPE THREAD INLET BY INCREASED MIP THREAD OUTLET WITH INSIDE DRIVING THREAD



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
F900-1-NL	1/2"	1/2"	3/4"	0.6	20	**$ 57.12**
F900-3-NL	3/4"	3/4"	1"	1.3	14	**68.76**
F900-4-NL	1"	1"	1-1/4"	2.1	8	**103.93**

FB900 BALLCORP - MALE IRON PIPE THREAD INLET BY INCREASED MIP THREAD OUTLET WITH INSIDE DRIVING THREAD



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
FB900-3-NL	3/4"	3/4"	1"	1.2	10	**$ 112.05**
FB900-4-NL	1"	1"	1-1/4"	1.8	10	**141.83**
FB900-5-NL	1-1/4"	1-1/4"	1-1/2"	3.6	1	**307.55**
FB900-6-NL	1-1/2"	1-1/2"	2"	4.7	2	**313.09**
FB900-7-NL	2"	2"	2-1/2"	7.4	1	**533.96**

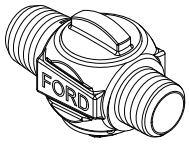
NOTE: Quarter and eighth bends to fit F800, FB800, F900 and FB900 corporation stops are priced separately on page A-15 of this price book.

For **reclaimed water** (Ballcorp style only), insert "RW" into the catalog number. Example: FB**RW**900-3-NL

Add to price . . . . . **$ 12.83**

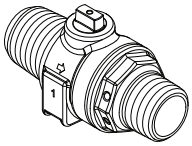
CORP STOPS WITH MALE IRON PIPE OUTLET

F400 - AWWA/CC TAPER THREAD INLET BY MALE IRON PIPE THREAD OUTLET



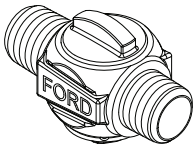
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
F400-1-NL	1/2"	1/2"	1/2"	0.6	20	**$ 53.94**
F400-13-NL	1/2"	1/2"	3/4"	0.6	20	**53.94**
F400-3-NL	3/4"	3/4"	3/4"	1.3	14	**68.76**
F400-34-NL	3/4"	3/4"	1"	1.4	14	**68.76**
F400-4-NL	1"	1"	1"	2.1	8	**103.93**

FB400 BALLCORP - AWWA/CC TAPER THREAD INLET BY MALE IRON PIPE THREAD OUTLET



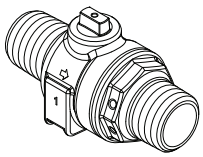
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
FB400-3-NL	3/4"	3/4"	3/4"	1.2	10	**$ 99.81**
FB400-34-NL	3/4"	3/4"	1"	1.3	10	**125.16**
FB400-4-NL	1"	1"	1"	1.7	10	**132.41**
FB400-45-NL	1"	1"	1-1/4"	1.9	-	**155.87**
FB400-5-NL	1-1/4"	1-1/4"	1-1/4"	3.5	2	**297.94**
FB400-6-NL	1-1/2"	1-1/2"	1-1/2"	4.5	2	**313.09**
FB400-67-NL	1-1/2"	1-1/2"	2"	4.7	2	**344.53**
FB400-7-NL	2"	2"	2"	7.2	1	**533.96**
FB400-78-NL	2"	2"	2-1/2"	7.6	1	**587.40**

F500 - MALE IRON PIPE THREAD BOTH ENDS



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
F500-1-NL	1/2"	1/2"	1/2"	0.6	20	**$ 53.94**
F500-13-NL	1/2"	1/2"	3/4"	0.6	-	**53.94**
F500-3-NL	3/4"	3/4"	3/4"	1.2	10	**68.76**
F500-4-NL	1"	1"	1"	2.1	8	**103.93**

FB500 BALLCORP - MALE IRON PIPE THREAD BOTH ENDS



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
FB500-3-NL	3/4"	3/4"	3/4"	1.1	14	**$ 99.81**
FB500-4-NL	1"	1"	1"	1.6	10	**132.41**
FB500-5-NL	1-1/4"	1-1/4"	1-1/4"	3.3	2	**297.94**
FB500-6-NL	1-1/2"	1-1/2"	1-1/2"	4.2	2	**313.09**
FB500-7-NL	2"	2"	2"	6.7	1	**533.96**

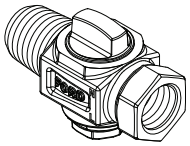
For **reclaimed water** (Ballcorp style only), insert "RW" into the catalog number
Example: FB**RW**500-3-NL

Add to price ..... **$ 12.83**

CORP STOPS WITH FEMALE IRON PIPE OUTLET

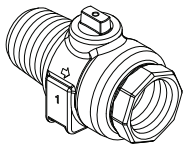
A

F1600 - AWWA/CC TAPER THREAD INLET BY FEMALE IRON PIPE THREAD OUTLET



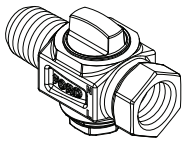
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
F1600-3-NL	3/4"	3/4"	3/4"	1.4	15	**$ 80.20**
F1600-4-NL	1"	1"	1"	2.3	8	**116.56**

FB1600 BALLCORP - AWWA/CC TAPER THREAD INLET BY FEMALE IRON PIPE THREAD OUTLET



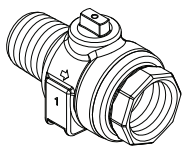
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
FB1600-3-NL	3/4"	3/4"	3/4"	1.1	18	**$ 95.07**
FB1600-34-NL	3/4"	3/4"	1"	1.3	-	**118.88**
FB1600-4-NL	1"	1"	1"	1.6	12	**128.22**
FB1600-45-NL	1"	1"	1-1/4"	1.6	-	**170.56**
FB1600-5-NL	1-1/4"	1-1/4"	1-1/4"	3.1	4	**310.67**
FB1600-56-NL	1-1/4"	1-1/4"	1-1/2"	4.0	-	**330.09**
FB1600-6-NL	1-1/2"	1-1/2"	1-1/2"	4.1	3	**330.09**
FB1600-67-NL	1-1/2"	1-1/2"	2"	4.4	4	**380.88**
FB1600-7-NL	2"	2"	2"	6.7	2	**533.97**
FB1600-78-NL	2"	2"	2-1/2"	7.2	1	**587.40**

F1700 - MALE IRON PIPE THREAD INLET BY FEMALE IRON PIPE THREAD OUTLET



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
F1700-1-NL	1/2"	1/2"	1/2"	0.6	22	**$ 57.12**
F1700-3-NL	3/4"	3/4"	3/4"	1.3	15	**80.20**
F1700-4-NL	1"	1"	1"	2.2	8	**116.56**

FB1700 BALLCORP - MALE IRON PIPE THREAD INLET BY FEMALE IRON PIPE THREAD OUTLET



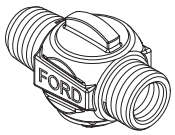
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
FB1700-3-NL	3/4"	3/4"	3/4"	1.0	18	**$ 95.07**
FB1700-34-NL	3/4"	3/4"	1"	1.2	18	**118.88**
FB1700-4-NL	1"	1"	1"	1.5	12	**128.22**
FB1700-45-NL	1"	1"	1-1/4"	1.5	-	**170.56**
FB1700-5-NL	1-1/4"	1-1/4"	1-1/4"	3.0	4	**310.67**
FB1700-56-NL	1-1/4"	1-1/4"	1-1/2"	3.1	-	**330.09**
FB1700-6-NL	1-1/2"	1-1/2"	1-1/2"	3.9	3	**330.09**
FB1700-67-NL	1-1/2"	1-1/2"	2"	4.2	2	**380.88**
FB1700-7-NL	2"	2"	2"	6.2	2	**533.97**
FB1700-78-NL	2"	2"	2-1/2"	6.7	-	**587.40**

For **reclaimed water** (Ballcorp style only), insert "RW" into the catalog number. Example: FB**RW**1700-3-NL

Add to price ..... **$ 12.83**

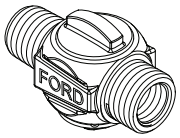
CORP STOPS WITH MALE COUPLING THREAD OUTLET

F200 - AWWA/CC TAPER THREAD INLET BY MALE COUPLING THREAD OUTLET WITH INSIDE DRIVING THREAD



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
F200-3-NL	3/4"	3/4"	3/4"	1.4	14	**$ 68.76**
F200-4-NL	1"	1"	1"	2.2	8	**102.09**

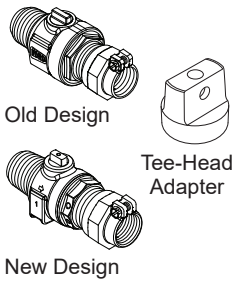
F300 - MALE IRON PIPE THREAD INLET BY MALE COUPLING THREAD OUTLET WITH INSIDE DRIVING THREAD



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
F300-3-NL	3/4"	3/4"	3/4"	1.4	10	**$ 68.76**
F300-4-NL	1"	1"	1"	2.1	10	**102.09**

Couplings and ells for F200 and F300 corporation stops are located on page A-12 of this section.

TEE HEAD ADAPTERS FOR BALLCORP



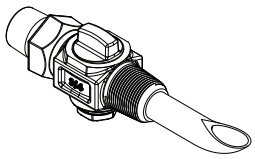
TEE HEAD ADAPTERS FOR 1-1/4", 1-1/2" & 2" BALLCORPS

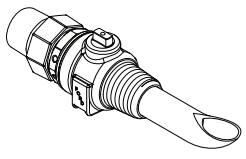
Catalog Number	Description	Approx. Wt. Lbs.	List Price
TAB-567	Tee-Head Adapter for 1-1/4", 1-1/2" & 2" Ballcorps (new valve design)	0.3	**$ 25.34**
TAB-6-OS	Tee-Head Adapter for 1-1/4" & 1-1/2" Ballcorps (old valve design)	0.3	**29.16**
TAB-7-OS	Tee-Head Adapter for 2" Ballcorps (old valve design)	0.3	**25.34**

For factory assembly, add “-TA" to the Ballcorp catalog number and add above price. Example: FB1000-7-TA-NL

PITORIFICE KEY CORP AND BALLCORP STOPS

For tapping mains in extremely cold climates

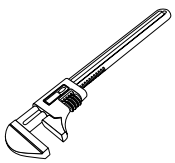




Corporation Stop Size	Add to List Price
3/4"	**$ 37.68**
1"	**66.11**

The above are for direct main taps. Longer lengths for use with saddles are available.
TO ORDER: For Pitorifice option add “-P" to the corporation stop catalog number and add appropriate price.
Example: F600-3-P-NL, FB600-3-P-NL

CORP STOP WRENCH

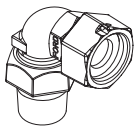


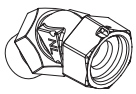
Catalog Number	Description	Approx. Wt. Lbs.	Length	List Price
RCORP	Adjustable Smooth Jaw Wrench Fits up to 2"	4.6	18"	**$ 242.86**

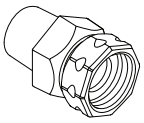
QUARTER BENDS, EIGHTH BENDS, AND STRAIGHT COUPLINGS FOR F200 AND F300 CORPORATION STOPS (*gaskets are included*)

A

FEMALE COUPLING THREAD INLET BY FLARED COPPER OUTLET



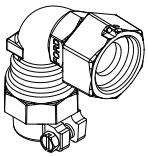


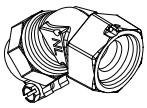


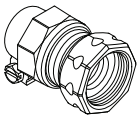
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Inlet Size	Outlet Size	Corp Size			
QUARTER BENDS						
L102-23-NL	5/8"	3/4"	5/8"	0.9	15	**$ 49.97**
L102-33-NL	3/4"	3/4"	3/4"	0.9	15	**47.88**
* **L102-33S-NL**	3/4"	3/4"	3/4"	1.0	14	**57.12**
L102-44-NL	1"	1"	1"	1.6	8	**80.13**
* **L102-44S-NL**	1"	1"	1"	1.5	12	**78.01**
EIGHTH BENDS						
LA102-23-NL	5/8"	3/4"	5/8"	0.8	18	**46.84**
LA102-33-NL	3/4"	3/4"	3/4"	0.8	18	**44.39**
* **LA102-33S-NL**	3/4"	3/4"	3/4"	0.9	18	**66.09**
LA102-44-NL	1"	1"	1"	1.4	10	**83.34**
* **LA102-44S-NL**	1"	1"	1"	1.4	10	**89.60**
STRAIGHT COUPLINGS						
C102-13-NL	1/2"	3/4"	1/2"	0.6	25	**38.69**
C102-23-NL	5/8"	3/4"	5/8"	0.7	25	**44.33**
C102-33-NL	3/4"	3/4"	3/4"	0.7	25	**41.81**
C102-34-NL	3/4"	1"	3/4"	0.9	18	**57.67**
C102-44-NL	1"	1"	1"	1.1	10	**71.33**

* "S" in catalog number indicates swivel nut on inlet.

FEMALE COUPLING THREAD INLET BY PACK JOINT OUTLET FOR COPPER OR PLASTIC TUBING (CTS)





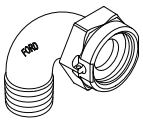


Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Inlet Size	Outlet Size	Corp Size			
QUARTER BENDS						
► **L104-23-NL**	5/8"	3/4"	5/8"	0.9	14	**$ 57.12**
► **L104-33-NL**	3/4"	3/4"	3/4"	0.8	12	**55.33**
►* **L104-33S-NL**	3/4"	3/4"	3/4"	1.0	12	**55.08**
* **L104-33S-Q-NL**	3/4"	3/4'	3/4"	1.0	12	**55.08**
► **L104-44-NL**	1"	1"	1"	1.3	-	**87.37**
►* **L104-44S-NL**	1"	1"	1"	1.3	8	**79.37**
EIGHTH BENDS						
► **LA104-23-NL**	5/8"	3/4"	5/8"	0.7	18	**51.11**
* **LA104-23S-NL**	5/8"	3/4"	5/8"	0.9	15	**75.41**
* **LA104-23S-Q-NL**	5/8"	3/4"	5/8"	0.9	15	**86.70**
► **LA104-33-NL**	3/4"	3/4"	3/4"	0.7	18	**48.45**
►* **LA104-33S-NL**	3/4"	3/4"	3/4"	0.8	15	**55.08**
► **LA104-44-NL**	1"	1"	1"	1.2	8	**82.17**
►* **LA104-44S-NL**	1"	1"	1"	1.2	10	**79.35**
STRAIGHT COUPLINGS						
►♦ **C104-13-NL**	1/2"	3/4"	1/2"	0.6	20	**45.63**
► **C104-23-NL**	5/8"	3/4"	5/8"	0.6	20	**46.57**
C104-23-Q-NL	5/8"	3/4"	5/8"	0.6	20	**50.28**
► **C104-33-NL**	3/4"	3/4"	3/4"	0.6	18	**45.73**
C104-33-Q-NL	3/4"	3/4"	3/4"	0.6	24	**49.42**
C104-34-Q-NL	3/4"	1"	3/4"	0.9	15	**62.11**
► **C104-44-NL**	1"	1"	1"	1.0	12	**62.39**
C104-44-Q-NL	1"	1"	1"	1.1	12	**67.36**

* "S" in catalog number indicates swivel nut on inlet.
Grip Joint for CTS can be ordered by adding "-G" to the catalog number.
♦ **Quick Joint** is available. Insert "-Q" into the catalog number.
► **Ultra-Tite** compression is available, insert "U2-AWT" into the catalog number (consists of components assembled watertight). For applications that require the Ultra-Tite to be hand tight only, insert "-U2-ANWT" into the catalog number. Consult factory for pricing and availability. Example: C104-23-U2-AWT-NL

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

FEMALE COUPLING THREAD SWIVEL BY MALE IRON PIPE THREAD



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Inlet Size	Outlet Size	Corp Size			
QUARTER BENDS						
* **L108-33S-NL**	3/4"	3/4"	3/4"	0.7	16	**$ 65.80**
* **L108-44S-NL**	1"	1"	1"	1.1	10	**71.37**

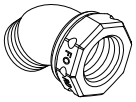
* "S" in catalog number indicates swivel nut on inlet.
NOTE: Ford recommends using insert stiffeners when using plastic pipe or tubing except for Utra-Tite compression fittings.

GASKETS FOR F200 AND F300 CORPORATION STOP ADAPTERS



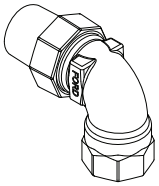
Catalog Number	Gasket Material (And Application)	Adapter Inlet Size	Std. Pkg. Qty.	List Price
GT-195	Composition	5/8"	-	**$ 1.80 ea.**
GT-113	Leather (for swivel units only)	3/4"	500	**1.08 ea.**
GT-116	Composition	3/4"	500	**1.99 ea.**
GT-164	Leather	1"	-	**1.34 ea.**

QUARTER BENDS AND EIGHTH BENDS FOR F400, F500 AND BALLCORP FB400 AND FB500



FEMALE IRON PIPE THREAD BY MALE IRON PIPE THREAD

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Inlet Size	Outlet Size			
EIGHTH BENDS					
LA81-44-NL	1"	1"	0.9	15	**$ 66.67**

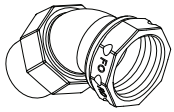


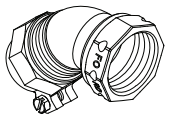
FEMALE IRON PIPE THREAD BY FLARE COPPER

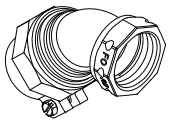
Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Inlet Size	Outlet Size			
QUARTER BENDS					
L21-33-NL	3/4"	3/4"	1.0	16	**$ 38.29**
L21-44-NL	1"	1"	1.5	8	**63.09**
L21-66-NL	1-1/2"	1-1/2"	3.7	4	**203.89**
L21-77-NL	2"	2"	6.2	1	**339.78**
EIGHTH BENDS					
LA21-33-NL	3/4"	3/4"	0.8	18	**43.82**
LA21-44-NL	1"	1"	1.4	10	**73.15**

EIGHTH BENDS FOR F600, F700, AND BALLCORP FB600 AND FB700

(copper gaskets are included)



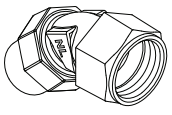


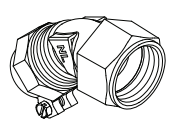


EIGHTH BENDS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Inlet Size	Outlet Size			
FEMALE COPPER THREAD BY FLARE COPPER					
LA02-33-NL	3/4"	3/4"	0.7	18	**$ 44.45**
LA02-44-NL	1"	1"	1.2	10	**65.46**
LA02-66-NL	1-1/2"	1-1/2"	3.3	2	**207.27**
LA02-77-NL	2"	2"	6.3	3	**382.86**
FEMALE COPPER THREAD BY P. J. FOR COPPER OR PLASTIC TUBING (CTS)					
► **LA04-33-NL**	3/4"	3/4"	0.6	18	**47.14**
► **LA04-44-NL**	1"	1"	1.1	10	**76.28**
LA04-66-NL	1-1/2"	1-1/2"	2.5	4	**188.70**
LA04-77-NL	2"	2"	4.3	2	**289.02**
FEMALE COPPER THREAD BY PACK JOINT FOR PE PIPE					
► **LA06-33-NL**	3/4"	3/4"	0.8	15	**61.07**
► **LA06-44-NL**	1"	1"	1.5	5	**107.24**

Grip Joint for CTS or PEP (3/4" and 1") can be ordered by inserting "-G" into the catalog number. Example: LA04-33-G-NL





SWIVEL EIGHTH BENDS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Inlet Size	Outlet Size			
FEMALE COPPER THREAD SWIVEL NUT BY FLARE COPPER					
LA02-33S-NL	3/4"	3/4"	0.9	18	**$ 57.07**
LA02-44S-NL	1"	1"	1.4	10	**77.85**
LA02-66S-NL	1-1/2"	1-1/2"	4.1	2	**352.61**
LA02-77S-NL	2"	2"	7.4	1	**499.14**
FEMALE COPPER THREAD SWIVEL NUT BY P. J. FOR COPPER OR PLASTIC TUBING (CTS)					
►♦ **LA04-33S-NL**	3/4"	3/4"	0.9	15	**64.42**
►♦ **LA04-44S-NL**	1"	1"	1.2	10	**91.56**
♦ **LA04-66S-NL**	1-1/2"	1-1/2"	3.8	2	**320.88**
♦ **LA04-77S-NL**	2"	2"	6.2	1	**454.20**

Grip Joint for CTS can be ordered by adding "-G" to the catalog number. Example: LA04-33S-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number.

► **Ultra-Tite** compression is available, insert "U-AWT" into the catalog number (consists of components assembled watertight). For applications that require the Ultra-Tite to be hand tight only, insert "-U-ANWT" into the catalog number. Consult factory for pricing and availability. Example: LA04-33S-U-AWT-NL

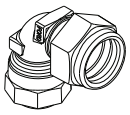
NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

EIGHTH BENDS FOR F600, F700, AND BALLCORP FB600 AND FB700

(copper gaskets are included)

A

FEMALE COPPER THREAD SWIVEL NUT WITH INTEGRAL WASHER BY QUICK JOINT FOR COPPER OR PLASTIC TUBING (CTS)



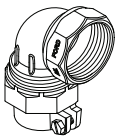
Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Inlet Size	Outlet Size			
LA04-33SI-Q-NL	3/4"	3/4"	1.1	12	**$ 76.73**
LA04-44SI-Q-NL	1"	1"	1.7	10	**94.61**

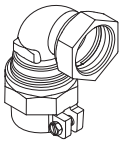
QUARTER BENDS FOR F600, F700, AND BALLCORP FB600 AND FB700

(copper gaskets are included)

QUARTER BENDS



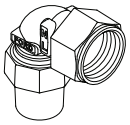


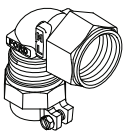


Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Inlet Size	Outlet Size			
FEMALE COPPER THREAD BY FLARE COPPER					
L02-33-NL	3/4"	3/4"	0.9	15	**$ 47.44**
L02-44-NL	1"	1"	1.5	8	**75.57**
L02-66-NL	1-1/2"	1-1/2"	3.6	2	**239.40**
L02-77-NL	2"	2"	6.7	1	**448.17**
FEMALE COPPER THREAD BY P. J. FOR COPPER OR PLASTIC TUBING (CTS)					
► **L04-33-NL**	3/4"	3/4"	0.8	15	**52.55**
L04-33-Q-NL	3/4"	3/4"	0.8	15	**58.85**
L04-34-NL	3/4"	1"	0.9	10	**53.73**
► **L04-44-NL**	1"	1"	1.3	8	**79.70**
L04-66-NL	1-1/2"	1-1/2"	3.6	2	**243.64**
L04-77-NL	2"	2"	6.1	2	**408.63**
FEMALE COPPER THREAD BY PACK JOINT FOR PE PIPE (SIDR7)					
► **L06-33-NL**	3/4"	3/4"	0.9	12	**56.05**
► **L06-44-NL**	1"	1"	1.6	6	**97.96**

Grip Joint for CTS (3/4"-2") or PEP (3/4" and 1") can be ordered by inserting "-G" into the catalog number. Example: L04-33-G-NL

SWIVEL QUARTER BENDS





Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Inlet Size	Outlet Size			
FEMALE COPPER THREAD SWIVEL NUT BY FLARE COPPER					
L02-33S-NL	3/4"	3/4"	1.1	14	**$ 63.31**
L02-44S-NL	1"	1"	1.6	8	**89.39**
L02-66S-NL	1-1/2"	1-1/2"	4.4	2	**261.68**
L02-77S-NL	2"	2"	7.9	1	**458.52**
FEMALE COPPER THREAD SWIVEL NUT BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)					
►♦ **L04-33S-NL**	3/4"	3/4"	1.0	12	**71.95**
►♦ **L04-44S-NL**	1"	1"	1.4	8	**98.14**
♦ **L04-66S-NL**	1-1/2"	1-1/2"	3.9	2	**254.83**
♦ **L04-77S-NL**	2"	2"	6.2	1	**430.12**
FEMALE COPPER THREAD SWIVEL NUT WITH INTEGRAL WASHER BY QUICK JOINT FOR COPPER OR PLASTIC TUBING (CTS)					
L04-33SI-Q-NL	3/4"	3/4"	1.3	10	**74.51**
L04-44SI-Q-NL	1"	1"	1.7	8	**101.17**

Grip Joint for CTS (3/4"-2") can be ordered by inserting "-G" into the catalog number. Example: L04-44S-G-NL

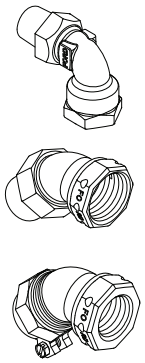
♦ **Quick Joint** is available. Insert "-Q" into the catalog number.

► **Ultra-Tite** compression is available, insert "U2-AWT" into the catalog number (consists of components assembled watertight). For applications that require the Ultra-Tite to be hand tight only, insert "-U2-ANWT" into the catalog number. Consult factory for pricing and availability. Example: L04-33S-U2-AWT-NL

NOTE: Ford recommends using insert stiffeners when using plastic pipe or tubing. Insert stiffeners are listed on page 2 of this section.

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

QUARTER AND EIGHTH BENDS FOR F800 AND F900 CORPORATION STOPS OR FB800 AND FB900 BALLCORP CORPORATION STOPS



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	FIP Inlet Size	Outlet Size	Corp Size			
QUARTER BENDS WITH FLARE COPPER OUTLET						
L12-43-NL	1"	3/4"	3/4"	1.0	14	**$ 48.85**
L12-54-NL	1-1/4"	1"	1"	1.6	8	**73.86**
EIGHTH BENDS WITH FLARE COPPER OUTLET						
LA12-43-NL	1"	3/4"	3/4"	0.7	18	**38.10**
LA12-54-NL	1-1/4"	1"	1"	1.2	10	**64.89**
EIGHTH BENDS WITH PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) OUTLET						
►♦ **LA14-33-NL**	3/4"	3/4"	3/4"	0.7	18	**57.66**
► **LA14-43-NL**	1"	3/4"	3/4"	0.6	18	**55.80**
► **LA14-54-NL**	1-1/4"	1"	1"	1.1	-	**77.21**
LA14-76-NL	2"	1-1/2"	1-1/2"	2.8	4	**210.04**
LA14-87-NL	2-1/2"	2"	2"	5.1	2	**335.46**

Grip Joint for CTS can be ordered by inserting "-G" into the catalog number.
Example: LA14-43-G-NL

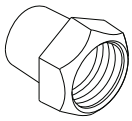
♦ **Quick Joint** is available. Insert "-Q" into the catalog number.

► **Ultra-Tite** compression is available, insert "U-AWT" into the catalog number (consists of components assembled watertight). For applications that require the Ultra-Tite to be hand tight only, insert "-U-ANWT" into the catalog number. Consult factory for pricing and availability. Example: LA14-43-U-AWT-NL

NOTE: Ford recommends using insert stiffeners when using plastic pipe or tubing. Insert stiffeners are listed on page 2 of this section.

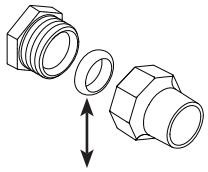
NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

COPPER TUBE NUTS FOR FLARE CONNECTIONS



Catalog Number	Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
CTN-1	1/2"	0.2	-	**$ 5.40**
CTN-2	5/8"	0.2	-	**8.51**
CTN-3	3/4"	0.3	40	**8.87**
CTN-4	1"	0.4	16	**14.68**
CTN-5	1-1/4"	0.7	10	**23.57**
CTN-6	1-1/2"	1.1	7	**40.99**
CTN-7	2"	2.1	3	**76.39**

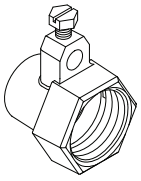
WEDDING RING
(CONVERTS PACK JOINT SOCKET TO FLARE COPPER)



Wedding Ring

Catalog Number	Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
WR-3-NL	3/4"	0.0	200	**$ 6.89**
WR-4-NL	1"	0.0	180	**7.99**
WR-5-NL	1-1/4"	0.1	100	**9.95**
WR-6-NL	1-1/2"	0.1	85	**12.69**
WR-7-NL	2"	0.3	40	**24.28**

THAW WIRE COPPER TUBE NUTS FOR FLARE COPPER CONNECTIONS

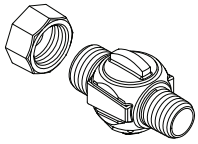


These nuts have a lug attachment for connecting an electric thawing wire.

Catalog Number	Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
CTN-3-THW	3/4"	0.4	35	**$ 23.25**
CTN-4-THW	1"	0.7	15	**29.05**

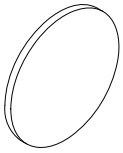
A

BRASS END CAPS
TO CAP OFF A CORPORATION STOP OR COUPLING

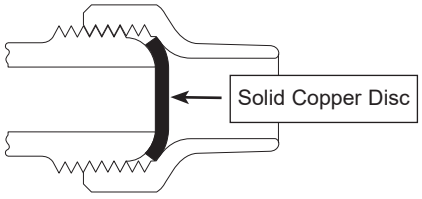


Catalog Number	Valve Size	Type of Corporation Stops/Couplings	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
CAP-24-3-NL	3/4"	Flare Copper Corp & CTS Compression Corps	0.3	72	**$ 57.34**
CAP-2-4-NL	1"	Flare Copper Corp & CTS Compression Corps *- Also fits 3/4" PEP Corp & 3/4" PVC/IPS PE Corp*	0.5	32	**92.72**
CAP-4-4-NL	1"	CTS Pack Joint Coupling & CTS Grip Joint Coupling	0.6	32	**92.72**
CAP-2-5-NL	1-1/4"	Flare Copper Corp & CTS Compression Corp (excluding Quick Joint) *- Also fits 1" PEP Corp & 1" PVC/IPS PE Corp*	0.7	24	**107.13**
CAP-4-5-Q-NL	1-1/4"	CTS Quick Joint Corp	0.8	34	**107.13**
CAP-4-5-NL	1-1/4"	CTS Pack Joint Corp & CTS Grip Joint Coupling - *Also fits 1" PEP Cplg*	0.9	24	**107.13**
CAP-2-6-NL	1-1/2"	Flare Copper Corp, CTS Compression Corp (excluding Quick Joint) & PVC/IPS PE Coupling	1.1	20	**137.83**
CAP-4-6-Q-NL	1-1/2"	CTS Quick Joint Corp	1.0	18	**137.83**
CAP-2-7-NL	2"	Flare Copper Corp, CTS Compression Corp (excluding Quick Joint) & PVC/IPS PE Corp - *Also fits 2-1/2" CTS Pack & Grip Coupling and 1-1/2" and 2" PEP Corp*	1.6	9	**181.42**
CAP-4-7-Q-NL	2"	CTS Quick Joint Corp	1.7	12	**181.42**
CAP-4-7-NL	2"	CTS Pack Joint Coupling & CTS Grip Joint Coupling *- Also fits 1-1/2" PEP Pack Joint (IDR7) Coupling*	2.4	12	**181.42**

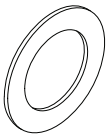
SOLID COPPER DISCS
TO PLUG SERVICE AT FLARE COPPER CONNECTIONS



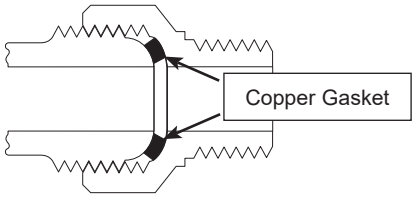
Catalog Number	Size	Approx. Wt. Lbs. per Std. Pkg.	Std. Pkg. Qty.	List Price
DISC-2	5/8"	1	100	**$ 4.04**
DISC-3	3/4"	4	100	**3.33**
DISC-4	1"	10	100	**4.40**
DISC-5	1-1/4"	2.5	25	**6.56**
DISC-6	1-1/2"	2.5	25	**10.86**
DISC-7	2"	5	25	**12.06**



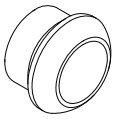
COPPER GASKETS FOR FLARE COPPER CONNECTIONS
(for adapters that replace copper flare nut)



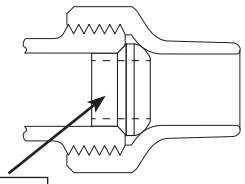
Catalog Number	Size	Approx. Wt. Lbs. per Std. Pkg.	Std. Pkg. Qty.	List Price
SLC-3	3/4"	1	100	**$ 3.00**
SLC-4	1"	2	100	**4.26**
SLC-5	1-1/4"	-	500	**4.84**
SLC-6	1-1/2"	-	200	**6.86**
SLC-7	2"	-	100	**8.66**



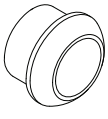
RING ADAPTERS - PACK JOINT TO FLARE
(converts CTS Pack Joint socket to flare copper nose)
For attaching either integral or swivel type female adapters, couplings and ells



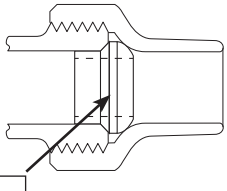
Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	For PJ Sleeve Size & Type	Flare Nose Size			
RA42-33-NL	3/4" CTS Pack Joint Corporation Stop and Coupling	3/4"	0.1	165	**$ 7.40**
RA42-44-NL	1" CTS Pack Joint Corporation Stop Only	1"	0.1	95	**8.20**



RING ADAPTERS - QUICK JOINT TO FLARE
(converts CTS Quick Joint socket to flare copper nose)
For attaching integral (non-swivel) type female flare adapters, couplings and ells

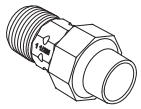


Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	For QJ Sleeve Size & Type	Flare Nose Size			
RA42-33-Q-NL	3/4" CTS Quick Joint Corporation Stop and Coupling	3/4"	0.1	160	**$ 7.40**
RA42-44-Q-NL	1" CTS Quick Joint Corporation Stop and Coupling	1"	0.1	100	**8.20**



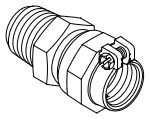
REPLACEMENT PIECE FOR CORPORATION STOPS

AWWA/CC TAPER THREAD INLET BY FLARE COPPER OUTLET - REPLACES F600 AND FB600



Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Inlet Size	Outlet Size			
F60-1-NL	1/2"	1/2"	0.3	45	**$ 27.80**
F60-3-NL	3/4"	3/4"	0.8	20	**40.10**
F60-4-NL	1"	1"	1.1	10	**74.02**
F60-6-NL	1-1/2"	1-1/2"	3.2	3	**199.42**
F60-7-NL	2"	2"	5.3	2	**379.11**

AWWA/CC TAPER THREAD INLET BY PACK JOINT OUTLET FOR COPPER OR PLASTIC TUBING (CTS) - REPLACES F1000 AND FB1000



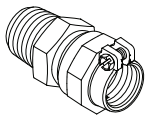
Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Inlet Size	Outlet Size			
► **F60-4-3-NL**	3/4"	3/4"	0.7	20	**$ 46.69**
► **F60-4-4-NL**	1"	1"	1.0	12	**77.12**

Grip Joint for CTS can be ordered by inserting "-G" into the catalog number. Example: F60-4-4-G-NL

► **Ultra-Tite** compression is available, insert "-U-AWT" into the catalog number (consists of components assembled watertight). For applications that require the Ultra-Tite to be hand tight only, insert "-U-ANWT" into the catalog number. Consult factory for pricing and availability. Example: F60-4-3-U-ANWT-NL

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

AWWA/CC TAPER THREAD INLET BY PACK JOINT FOR PE PIPE OUTLET - REPLACES F1001 AND FB1001



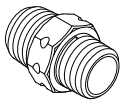
Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Inlet Size	Outlet Size			
►† **F60-6-3-AWT-NL**	3/4"	3/4"	1.2	20	**$ 83.32**
►† **F60-6-4-AWT-NL**	1"	1"	1.3	10	**107.61**

Grip Joint for PEP (3/4" and 1") can be ordered by inserting "-G" into the catalog number. Example: F60-6-3-G-AWT-NL

† These products are manufactured from components assembled watertight.

► **Ultra-Tite** compression is available, insert "-U-AWT" into the catalog number (consists of components assembled watertight). For applications that require the Ultra-Tite to be hand tight only, insert "-U-ANWT" into the catalog number. Consult factory for pricing and availability. Example: F60-6-3-AWT-U-AWT-NL

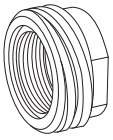
AWWA/CC TAPER THREAD INLET BY MALE IRON PIPE THREAD OUTLET - REPLACES F400 AND FB400



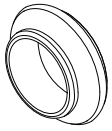
Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Inlet Size	Outlet Size			
F40-1-NL	1/2"	1/2"	0.3	41	**$ 21.44**
F40-3-NL	3/4"	3/4"	0.5	25	**31.62**
F40-4-NL	1"	1"	0.6	18	**41.55**
F40-6-NL	1-1/2"	1-1/2"	1.3	-	**99.03**
F40-7-NL	2"	2"	2.5	4	**167.63**

SCREW PLUG ADAPTERS AND WASHERS FOR SCREW PLUG

For inserting 3/4" and 1" - F1000, F1100, FB1000 and FB1100 corporation stops



SP-3-NL



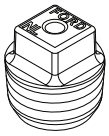
WSP-3-NL

Catalog Number	Description	List Price
♦ **SP-3-NL**	Screw Plug Adapter for 3/4" CTS P.J./G.J. Corp Stop	**$ 72.60**
♦ **SP-4-NL**	Screw Plug Adapter for 1" CTS P.J./G.J. Corp Stop	**98.71**
♦ **WSP-3-NL**	Washer for Screw Mueller Plug Adapter for 3/4" CTS P.J./G.J. Corp Stop	**13.75**
♦ **WSP-4-NL**	Washer for Screw Mueller Plug Adapter for 1" CTS P.J./G.J. Corp Stop	**16.79**

♦ **For washers and adapters used on quick joint applications,** add "-Q" to the catalog number. Example: SP-3-Q-NL

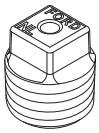
BRASS CORP STOP PLUGS

A



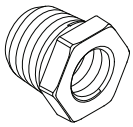
AWWA TAPER THREAD BY SQUARE WRENCH HEAD

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Thread Size	Application			
CSP-1-A-NL	1/2"	Square Wrench Head	0.1	125	**$ 30.24**
CSP-2-A-NL	5/8"	Square Wrench Head	0.2	130	**31.53**
CSP-3-A-NL	3/4"	Square Wrench Head	0.2	60	**18.38**
CSP-4-A-NL	1"	Square Wrench Head	0.4	40	**26.79**
CSP-6-A-NL	1-1/2"	Square Wrench Head	0.6	20	**72.51**
CSP-7-A-NL	2"	Square Wrench Head	0.9	14	**124.21**



MALE IRON PIPE THREAD BY SQUARE WRENCH HEAD

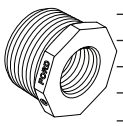
Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Thread Size	Application			
CSP-1-I-NL	1/2"	Square Wrench Head	0.2	125	**$ 28.75**
CSP-3-I-NL	3/4"	Square Wrench Head	0.2	100	**17.28**
CSP-4-I-NL	1"	Square Wrench Head	0.3	50	**27.56**
CSP-6-I-NL	1-1/2"	Square Wrench Head	0.4	-	**63.60**
CSP-7-I-NL	2"	Square Wrench Head	0.6	12	**113.23**



AWWA TAPER THREAD BY INTERNAL DRIVING THREAD

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Thread Size	Application			
CSP-3-IT-NL	3/4"	Internal Driving Thread	0.3	48	**$ 19.80**
CSP-4-IT-NL	1"	Internal Driving Thread	0.7	-	**39.59**

BRASS BUSHINGS FOR CORPORATION STOP INLETS

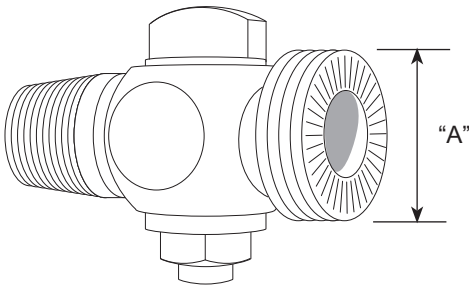


Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Outside Thread Size and Type	Inside Thread Size and Type			
BBAA-31-NL	3/4" Male AWWA Taper Thread	1/2" Female AWWA Taper Thread	0.3	50	**$ 24.40**
BBAA-43-NL	1" Male AWWA Taper Thread	3/4" Female AWWA Taper Thread	0.5	36	**30.16**
BBAA-53-NL	1-1/4" Male AWWA Taper Thread	3/4" Female AWWA Taper Thread	1.1	10	**144.62**
BBAA-63-NL	1-1/2" Male AWWA Taper Thread	3/4" Female AWWA Taper Thread	1.3	10	**81.35**
BBAA-64-NL	1-1/2" Male AWWA Taper Thread	1" Female AWWA Taper Thread	1.1	10	**81.62**
BBAA-73-NL	2" Male AWWA Taper Thread	3/4" Female AWWA Taper Thread	2.1	8	**130.24**
BBAA-74-NL	2" Male AWWA Taper Thread	1" Female AWWA Taper Thread	2.1	8	**133.19**
BBAA-75-NL	2" Male AWWA Taper Thread	1-1/4" Female AWWA Taper Thread	2.1	8	**115.71**
BBAA-76-NL	2" Male AWWA Taper Thread	1-1/2" Female AWWA Taper Thread	1.9	12	**99.35**
BBAI-31-NL	3/4" Male AWWA Taper Thread	1/2" Female Iron Pipe Thread	0.3	50	**23.09**
BBAI-43-NL	1" Male AWWA Taper Thread	3/4" Female Iron Pipe Thread	0.4	30	**30.70**
BBAI-65-NL	1-1/2" Male AWWA Taper Thread	1-1/4" Female Iron Pipe Thread	1.0	10	**71.49**
BBAI-75-NL	2" Male AWWA Taper Thread	1-1/4" Female Iron Pipe Thread	2.1	8	**129.00**
BBAI-76-NL	2" Male AWWA Taper Thread	1-1/2" Female Iron Pipe Thread	1.9	8	**114.23**
BBIA-43-NL	1" Male Iron Pipe Thread	3/4" Female AWWA Taper Thread	0.4	30	**23.09**
BBIA-53-NL	1-1/4" Male Iron Pipe Thread	3/4" Female AWWA Taper Thread	0.4	30	**31.61**
BBIA-54-NL	1-1/4" Male Iron Pipe Thread	1" Female AWWA Taper Thread	0.3	35	**26.00**
BBIA-63-NL	1-1/2" Male Iron Pipe Thread	3/4" Female AWWA Taper Thread	0.8	5	**78.42**
BBIA-64-NL	1-1/2" Male Iron Pipe Thread	1" Female AWWA Taper Thread	1.0	10	**75.92**
BBIA-73-NL	2" Male Iron Pipe Thread	3/4" Female AWWA Taper Thread	0.6	16	**100.31**
BBIA-74-NL	2" Male Iron Pipe Thread	1" Female AWWA Taper Thread	1.4	12	**108.56**
BBIA-75-NL	2" Male Iron Pipe Thread	1-1/4" Female AWWA Taper Thread	1.3	14	**83.64**
BBIA-76-NL	2" Male Iron Pipe Thread	1-1/2" Female AWWA Taper Thread	0.8	12	**86.00**

FOR FLANGED LEAD CORPORATION STOPS

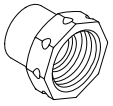
(these connections replace flanged lead gooseneck connections)
Leather gaskets are included

A



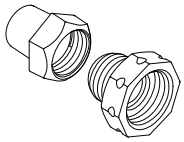
FEMALE FLANGED LEAD THREAD INLET BY FEMALE IRON PIPE OUTLET





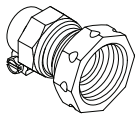
Catalog Number	Description		Approx. "A" Dim.	Approx. Wt. Lbs.	Std Pkg Qty.	List Price
	Inlet Size/Type	Outlet Size				
UNION SWIVEL COUPLINGS						
* **LFSC-2-NL**	5/8" XS	3/4"	1-5/8"	0.4	36	**$ 36.75**
* **LFSC-3-NL**	3/4" XS	3/4"	1-7/8"	0.7	30	**50.76**
* **LFSC-4-NL**	1" XS	1"	2-1/8"	0.9	20	**98.57**
STRAIGHT COUPLINGS						
LFC1-13-NL	1/2" XS	3/4"	1-7/16"	0.6	20	**55.16**

FEMALE FLANGED LEAD THREAD INLET BY FLARE COPPER OUTLET



Catalog Number	Description		Approx. "A" Dim.	Approx. Wt. Lbs.	Std Pkg Qty.	List Price
	Inlet Size/Type	Outlet Size				
STRAIGHT COUPLINGS						
LFC2-13-NL	1/2" XS	3/4"	1-7/16"	0.8	15	**$ 67.74**
LFC2-23-NL	5/8" XS	3/4"	1-5/8"	0.8	15	**75.32**
* **LFSC2-33-NL**	3/4" XS	3/4"	1-7/8"	1.4	15	**81.15**
LFC2-44-NL	1" XS	1"	2-1/8"	1.2	10	**116.11**

FEMALE FLANGED LEAD THREAD INLET BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) OUTLET



Catalog Number	Description		Approx. "A" Dim.	Approx. Wt. Lbs.	Std Pkg Qty.	List Price
	Inlet Size/Type	Outlet Size				
STRAIGHT COUPLINGS						
► **LFC4-13-NL**	1/2" XS	3/4"	1-7/16"	0.8	15	**$ 77.86**
► **LFC4-23-NL**	5/8" XS	3/4"	1-5/8"	0.7	20	**81.99**
† **LFC4-23-AWT-Q-NL**	5/8" XS	3/4"	1-5/8"	1.2	25	**121.29**
►* **LFSC4-33-NL**	3/4" XS	3/4"	1-7/8"	1.1	12	**87.76**

* "S" in catalog number indicates swivel coupling.

† These products are manufactured from components assembled watertight.

► Ultra-Tite compression is available, insert "-U-AWT" into the catalog number (consists of components assembled watertight). For applications that require the Ultra-Tite to be hand tight only, insert "-U-ANWT" into the catalog number. Consult factory for pricing and availability. Example: LFC4-13-U-AWT-NL

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

FEMALE FLANGED LEAD THREAD INLET BY QUICK JOINT FOR COPPER OR PLASTIC TUBING (CTS) OUTLET



Catalog Number	Description		Approx. "A" Dim.	Approx. Wt. Lbs.	Std Pkg Qty.	List Price
	Inlet Size/Type	Outlet Size				
STRAIGHT COUPLINGS						
LFC4-34-Q-NL	3/4" XS	1"	1-7/8"	1.3	8	**$ 95.67**

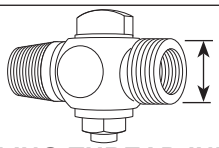
NOTE: Ford recommends using insert stiffeners when using plastic pipe or tubing. Insert stiffeners are listed on page 2 of this section.

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

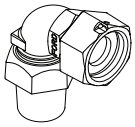
FOR 1/2" THROUGH 1" WIPED LEAD JOINT CORPORATION STOPS

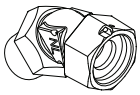
(the couplings below also fit Ford F200 and F300 Corporation Stops)
Gaskets are included

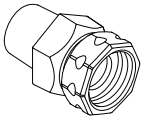
A



FEMALE COUPLING THREAD INLET BY FLARE COPPER OUTLET

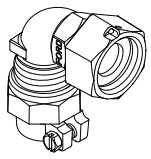


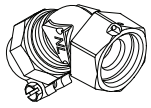


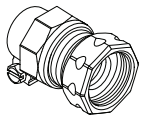


Catalog Number	Description			Approx. "A" Dim.	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Inlet Size	Outlet Size	Corp Size				
QUARTER BENDS							
L102-23-NL	5/8"	3/4"	5/8"	1-1/8"	0.9	15	$ 49.97
L102-33-NL	3/4"	3/4"	3/4"	1-1/4"	0.9	15	47.88
* L102-33S-NL	3/4"	3/4"	3/4"	1-1/4"	1.0	14	57.12
L102-44-NL	1"	1"	1"	1-1/2"	1.6	8	80.13
* L102-44S-NL	1"	1"	1"	1-1/2"	1.5	12	78.01
EIGHTH BENDS							
LA102-23-NL	5/8"	3/4"	5/8"	1-1/8"	0.8	18	46.84
LA102-23S-NL	5/8"	3/4"	5/8"	1-1/8"	0.8	18	64.63
LA102-33-NL	3/4"	3/4"	3/4"	1-1/4"	0.8	18	44.39
* LA102-33S-NL	3/4"	3/4"	3/4"	1-1/4"	0.9	18	66.09
LA102-44-NL	1"	1"	1"	1-1/2"	1.4	10	83.34
* LA102-44S-NL	1"	1"	1"	1-1/2"	1.4	10	89.60
STRAIGHT COUPLINGS							
C102-13-NL	1/2"	3/4"	1/2"	1"	0.6	25	38.69
C102-23-NL	5/8"	3/4"	5/8"	1-1/8"	0.7	25	44.33
C102-33-NL	3/4"	3/4"	3/4"	1-1/4"	0.7	25	41.81
C102-34-NL	3/4"	1"	3/4"	1-1/4"	0.9	18	57.67
C102-44-NL	1"	1"	1"	1-1/2"	1.1	10	71.33

FEMALE COUPLING THREAD INLET BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) OUTLET

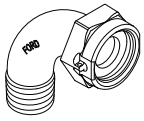






Catalog Number	Description			Approx. "A" Dim.	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Inlet Size	Outlet Size	Corp Size				
QUARTER BENDS							
► L104-23-NL	5/8"	3/4"	5/8"	1-1/8"	0.9	-	$ 57.12
► L104-33-NL	3/4"	3/4"	3/4"	1-1/4"	0.8	-	55.33
► * L104-33S-NL	3/4"	3/4"	3/4"	1-1/4"	1.0	12	55.08
* L104-33S-Q-NL	3/4"	3/4"	3/4"	1-1/4"	1.0	12	55.08
► L104-44-NL	1"	1"	1"	1-1/2"	1.3	-	87.37
► * L104-44S-NL	1"	1"	1"	1-1/2"	1.3	8	79.37
EIGHTH BENDS							
► LA104-23-NL	5/8"	3/4"	5/8"	1-1/8"	0.7	18	51.11
* LA104-23S-NL	5/8"	3/4"	5/8"	1-1/8"	0.9	15	75.41
* LA104-23S-Q-NL	5/8"	3/4"	5/8"	1-1/8"	0.9	15	86.70
► LA104-33-NL	3/4"	3/4"	3/4"	1-1/4"	0.7	18	48.45
► * LA104-33S-NL	3/4"	3/4"	3/4"	1-1/4"	0.8	15	55.08
† * LA104-33S-AWT-Q-NL	3/4"	3/4"	3/4"	1-1/4"	1.2	25	104.07
† * LA104-34S-AWT-Q-NL	3/4"	1"	3/4"	1-1/4"	1.5	-	116.06
► LA104-44-NL	1"	1"	1"	1-1/2"	1.2	8	82.17
► * LA104-44S-NL	1"	1"	1"	1-1/2"	1.2	10	79.35
† * LA104-44S-AWT-Q-NL	1"	1"	1"	1-1/2"	2.1	15	141.59
STRAIGHT COUPLINGS							
►♦ C104-13-NL	1/2"	3/4"	1/2"	1"	0.6	20	45.63
► C104-23-NL	5/8"	3/4"	5/8"	1-1/8"	0.6	20	46.57
C104-23-Q-NL	5/8"	3/4"	3/4"	1-1/8"	0.6	20	50.28
► C104-33-NL	3/4"	3/4"	3/4"	1-1/4"	0.6	18	45.73
C104-33-Q-NL	3/4"	3/4"	3/4"	1-1/4"	0.6	24	49.42
C104-34-Q-NL	3/4"	1"	3/4"	1-1/2"	0.9	-	62.11
► C104-44-NL	1"	1"	1"	1-1/2"	1.0	12	62.39
C104-44-Q-NL	1"	1"	1"	1-1/2"	1.1	12	67.36

FEMALE COUPLING THREAD BY MALE IRON PIPE THREAD





Catalog Number	Description			Approx. "A" Dim.	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Inlet Size	Outlet Size	Corp Size				
QUARTER BENDS							
* L108-33S-NL	3/4"	3/4"	3/4"	1-1/4"	0.7	16	$ 65.80
* L108-44S-NL	1"	1"	1"	1-1/2"	1.1	10	71.37
STRAIGHT COUPLINGS							
C108-45-NL	1"	1-1/4"	1"	1-1/2"	0.8	-	89.39

Grip Joint for CTS can be ordered by adding "-G" to the catalog number.

* "S" in catalog number indicates swivel inlet.

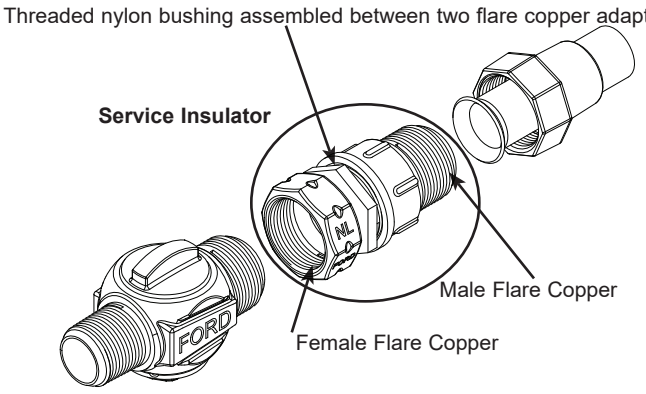
† These products are manufactured from components assembled watertight.

♦ **Quick Joint** is available. Insert "-Q" into the catalog number.

► **Ultra-Tite** compression is available, insert "-U-AWT" into the catalog number (consists of components assembled watertight). For applications that require the Ultra-Tite to be hand tight only, insert "-U-ANWT" into the catalog number. Consult factory for pricing and availability. Example: C104-44-U-AWT-NL

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

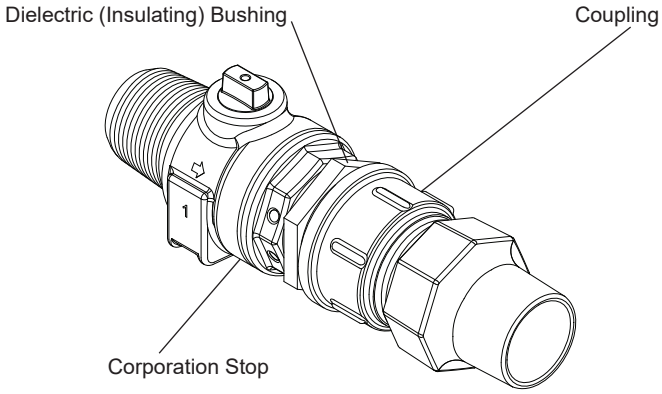
SERVICE INSULATORS



Catalog Number	Description	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
SI-3-NL	3/4"	0.9	20	**$ 77.61**
SI-4-NL	1"	1.2	10	**113.94**
SI-6-NL	1-1/2"	3.9	3	**255.95**
SI-7-NL	2"	7.2	2	**445.13**

NOTE: Various service line connection types are available upon request.

SERVICE INSULATOR CORPORATION STOPS



Catalog Number	Description				Components	List Price
	CorpStyle	ValveSize	Inlet	Outlet		
SI-F1700-3-AWT-NL	Key	3/4"	3/4" MIP	3/4" FIP	F500-3-NL/DB-34/C11-43-NL AWT	**$ 119.47**
SI-F1700-4-AWT-NL	Key	1"	1" MIP	1" FIP	F500-4-NL/DB-45/C11-45-NL AWT	**166.90**
***♦ SI-FB1000-3-AWT-NL**	Ball	3/4"	3/4" AWWA	3/4" Pack Joint (CTS)	FB1600-34-NL/DB-34/C84-33-NL AWT	**174.56**
***♦ SI-FB1000-6-AWT-NL**	Ball	1-1/2"	1-1/2" AWWA	1-1/2" Pack Joint (CTS)	FB1600-67-NL/DB-67/C84-66-NL AWT	**541.41**
***♦ SI-FB1000-7-AWT-NL**	Ball	2"	2" AWWA	2" Pack Joint (CTS)	FB1600-78-NL/DB-78/C84-77-NL AWT	**814.95**
***♦ SI-FB1100-7-AWT-NL**	Ball	2"	2" MIP	2" Pack Joint (CTS)	FB1700-78-NL/DB-78/C84-77-NL AWT	**814.95**
SI-FB600-3-AWT-NL	Ball	3/4"	3/4" AWWA	3/4" Flare	FB400-3-NL/DB-34/C21-34-NL AWT	**160.79**
SI-FB600-4-AWT-NL	Ball	1"	1" AWWA	1" Flare	FB400-4-NL/DB-45/C21-45-NL AWT	**227.49**

Contact factory for other service insulator corporation stops not listed.

Note: These products are manufactured from components assembled watertight.

* **Grip Joint** for CTS can be ordered by adding "-G" to the catalog number. Example SI-FB1000-3-AWT-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example SI-FB1000-3-AWT-Q-NL

FORD SERVICE SADDLES AND TAPPING SLEEVES
SECTION AA

Ford Brass Saddle and Iron Service Saddle 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

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.

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
15 = 1-1/2"
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"
5 = 1-1/4"
6 = 1-1/2"
7 = 2"

Note: See item listings in catalog section to ensure that desired sizes and options are available.
* For S40/S41 saddles only. 1/2" taps for all other saddles require an optional bushing.

IMPORTANT: DOMESTIC PRODUCT COMPLIANCE NOTICE

The requirements for defining domestic product can vary among the many regulations, which have previously changed and can subsequently change. Please contact your Ford Customer Service Representative to clarify which Ford products currently meet a specific regulatory requirement (BABA, AIS, Buy America, Buy American, DOT, Etc).

AA

Ford Tapping Sleeve Numbering System

TYPE OF TAPPING SLEEVE

FAST = All Stainless Steel Tapping Sleeve
FASTP = All Stainless Steel Tapping Sleeve for Use on HDPE
FRCTS = Steel Tapping Sleeve for Reinforced Concrete Cylinder Pipe
FRCTSC = Epoxy Coated Steel Tapping Sleeve for Reinforced Concrete Cylinder Pipe
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"-24" Flange Size
FTS = Standard Steel Tapping Sleeve
FTSP = Standard 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
MJTS = Mechanical Joint Tapping Sleeve
MJTSX = Type 304 Stainless Steel Mechanical Joint Tapping Sleeve
MJTSQ = Type 316 Stainless Steel Mechanical Joint Tapping Sleeve

OPTIONS

A = Optional 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
-SP = Stainless Steel Test Plug

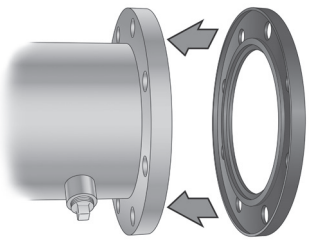
Note: See item listings in catalog section to ensure that desired sizes and options are available.
* These outlet sizes are not available on the FAST style.

IMPORTANT: DOMESTIC PRODUCT COMPLIANCE NOTICE

The requirements for defining domestic product can vary among the many regulations, which have previously changed and can subsequently change. Please contact your Ford Customer Service Representative to clarify which Ford products currently meet a specific regulatory requirement (BABA, AIS, Buy America, Buy American, DOT, Etc).

FORD ULTRA-SEAL GASKET

4" THROUGH 24" NOMINAL RING FLANGE SIZES



Item Number	Description	Weight Lbs.	Package Qty.	List Price
CSFG-4	4" Cap Style Flange Gasket	0.4	-	**$ 40.89**
CSFG-6	6" Cap Style Flange Gasket	0.5	-	**49.23**
CSFG-8	8" Cap Style Flange Gasket	0.7	-	**58.12**
CSFG-10	10" Cap Style Flange Gasket	0.9	-	**73.98**
CSFG-12	12" Cap Style Flange Gasket	1.4	-	**92.19**
CSFG-14	14" Cap Style Flange Gasket	1.4	-	**102.62**
CSFG-16	16" Cap Style Flange Gasket	1.4	-	**113.84**
CSFG-18	18" Cap Style Flange Gasket	1.5	-	**123.22**
CSFG-20	20" Cap Style Flange Gasket	1.6	-	**139.88**
CSFG-24	24" Cap Style Flange Gasket	2.4	-	**165.49**

This gasket comes standard on all Ford Meter Box tapping sleeves with 4"-24" flanges.

FORD STAINLESS TAPPING SLEEVE

*STYLE **FAST** TAPPING SLEEVE WITH STAINLESS STEEL OR CARBON STEEL FLANGE*

Nom. Pipe Size	Sleeve O.D. Range	Sleeve Number	BY	Stainless Steel Size Flange Code	List Price	Optional Carbon Steel Flange Code	List Price	Approx. Wt. Lbs.
3"	3.50 - 3.96	**FAST-396-**		3	**$ 1325.93**	3A	**$ 1029.83**	26.2
4"	4.50 - 4.80	**FAST-480-**		3	**1384.58**	3A	**1035.33**	27.0
	4.80 - 5.10	**FAST-510-**		4	**1384.58**	4A	**1035.33**	30.0
	5.05 - 5.30	**FAST-530-**						
6"	6.60 - 7.00	**FAST-700-**		3	**1442.93**	3A	**1075.67**	33.2
	6.90 - 7.30	**FAST-730-**		4	**1442.93**	4A	**1075.67**	34.3
	7.10 - 7.50	**FAST-750-**		6	**1644.08**	6A	**1160.83**	38.7
8"	8.63 - 9.05	**FAST-905-**		3	**1493.97**	3A	**1091.58**	36.5
	9.05 - 9.45	**FAST-945-**		4	**1493.97**	4A	**1091.58**	39.3
	9.30 - 9.70	**FAST-970-**		6	**1661.60**	6A	**1224.78**	42.8
				8	**2064.40**	8A	**1554.87**	63.5
10"	10.75 - 11.15	**FAST-1115-**		3	**1622.49**	3A	**1203.43**	40.6
	11.05 - 11.45	**FAST-1145-**		4	**1622.49**	4A	**1203.43**	41.7
	11.75 - 12.15	**FAST-1215-**		6	**1762.19**	6A	**1294.07**	46.8
				8	**2234.41**	8A	**1570.87**	67.0
				10	**3702.68**	10A	**2684.12**	87.8
12"	12.75 - 13.20	**FAST-1320-**		3	**1919.65**	3A	**1341.92**	41.8
	13.10 - 13.50	**FAST-1350-**		4	**1919.65**	4A	**1341.92**	44.6
	14.00 - 14.40	**FAST-1440-**		6	**2111.98**	6A	**1443.06**	48.6
				8	**2553.60**	8A	**1687.99**	66.7
				10	**4021.92**	10A	**2801.04**	91.5
				12	**4791.39**	12A	**3048.63**	120.0
14"	15.10 - 15.50	**FAST-1550-**		3	**2687.73**	3A	**2138.18**	63.8
	15.30 - 15.70	**FAST-1570-**		4	**2687.73**	4A	**2138.18**	66.6
	15.80 - 16.20	**FAST-1620-**		6	**2946.14**	6A	**2217.10**	70.7
	16.48 - 16.88	**FAST-1688-**		8	**3873.05**	8A	**2893.19**	89.1
				10	**5242.49**	10A	**3891.33**	97.9
				12	**6209.40**	12A	**4278.26**	127.7
16"	17.30 - 17.70	**FAST-1770-**		3	**3104.15**	3A	**2524.12**	73.1
	17.40 - 17.80	**FAST-1780-**		4	**3104.15**	4A	**2524.12**	75.4
	17.75 - 18.15	**FAST-1815-**		6	**3363.26**	6A	**2602.98**	78.0
	18.15 - 18.62	**FAST-1862-**		8	**4005.97**	8A	**3015.25**	100.0
	18.60 - 19.00	**FAST-1900-**		10	**5562.56**	10A	**4188.84**	118.3
	18.80 - 19.20	**FAST-1920-**		12	**6378.04**	12A	**4434.76**	151.1
18"	19.30 - 19.70	**FAST-1970-**		3	**3168.75**	3A	**2584.55**	77.1
	19.50 - 19.92	**FAST-1992-**		4	**3168.75**	4A	**2584.55**	81.2
	19.80 - 20.20	**FAST-2020-**		6	**3428.35**	6A	**2663.61**	85.3
				8	**4122.30**	8A	**3123.79**	103.4
				10	**5696.52**	10A	**4313.17**	119.8
				12	**6512.07**	12A	**4558.66**	152.7
20"	20.20 - 20.60	**FAST-2060-**		3	**3635.17**	3A	**3015.23**	81.0
	20.90 - 21.30	**FAST-2130-**		4	**3635.17**	4A	**3015.23**	86.6
	21.40 - 21.80	**FAST-2180-**		6	**3894.39**	6A	**3095.19**	88.9
	21.86 - 22.26	**FAST-2226-**		8	**4759.24**	8A	**3714.35**	114.5
	22.30 - 22.70	**FAST-2270-**		10	**6442.87**	10A	**5004.71**	124.0
	23.40 - 23.80	**FAST-2380-**		12	**7258.31**	12A	**5250.56**	159.0
24"	23.80 - 24.20	**FAST-2420-**		3	**3809.91**	3A	**3178.18**	83.0
	25.60 - 26.00	**FAST-2600-**		4	**3809.91**	4A	**3178.18**	94.4
				6	**4068.92**	6A	**3256.86**	98.3
				8	**4952.75**	8A	**3893.73**	127.0
				10	**6654.90**	10A	**5200.93**	135.4
				12	**7476.16**	12A	**5446.65**	169.6

Note: Highlighted ranges are recommended for ductile iron pipe and C900 PVC pipe applications. (4"-12" also fit IPS PVC pipe)

To Order: Select the catalog sleeve number for the desired range and complete the catalog number by adding the flange code.

Example: The complete FAST catalog number for use on a 6" ductile iron pipe (6.90 O.D.) with a 4" stainless steel flange is FAST-700-4 or FAST-730-4.

FORD ALL STAINLESS TAPPING SLEEVE WITH REMOVABLE BOLTS

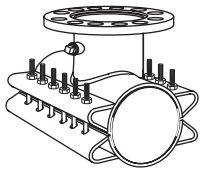
STYLE FTSS TAPPING SLEEVE WITH STAINLESS STEEL OR CARBON STEEL FLANGE

Nom. Pipe Size	Sleeve O.D. Range	Sleeve Number	BY	Stainless Steel Size Flange Code	List Price	Optional Carbon Steel Flange Code	List Price	Approx. Wt. Lbs.
4"	4.50 - 4.80	FTSS-480-						
	4.80 - 5.00	FTSS-500-		3	$ 1421.74	3A	$ 1180.71	37.9
	5.10 - 5.30	FTSS-530-		4	1421.74	4A	1180.71	40.7
	5.20 - 5.40	FTSS-540-						
6"	6.60 - 7.00	FTSS-700-		3	1452.32	3A	1243.87	41.9
	6.90 - 7.30	FTSS-730-		4	1452.32	4A	1243.87	43.8
	7.30 - 7.50	FTSS-750-		6	1497.28	6A	1320.04	48.5
8"	8.63 - 9.05	FTSS-905-		3	1488.70	3A	1292.60	46.5
	8.97 - 9.45	FTSS-945-		4	1488.70	4A	1292.60	49.5
	9.30 - 9.60	FTSS-960-		6	1610.61	6A	1406.58	52.7
	9.45 - 9.75	FTSS-975-		8	1970.00	8A	1817.93	72.2
10"				3	1715.45	3A	1445.74	51.7
	10.75 - 11.10	FTSS-1110-		4	1715.45	4A	1445.74	51.7
	11.06 - 11.45	FTSS-1145-		6	1730.42	6A	1481.63	57.6
	11.40 - 11.70	FTSS-1170-		8	2269.41	8A	1995.32	80.1
	11.85 - 12.15	FTSS-1215-		10	3321.77	10A	2575.26	102.6
12"				3	1790.55	3A	1665.73	55.5
	12.75 - 13.20	FTSS-1320-		4	1790.55	4A	1665.73	55.5
	13.12 - 13.52	FTSS-1352-		6	1827.10	6A	1704.45	59.2
	13.50 - 13.80	FTSS-1380-		8	2502.20	8A	2199.97	81.9
	14.10 - 14.40	FTSS-1440-		10	3369.04	10A	2853.55	106.9
				12	3760.25	12A	3375.78	140.5
14"				3	1963.49	3A	1830.11	81.1
				4	1963.49	4A	1830.11	79.9
	15.22 - 15.70	FTSS-1570-		6	2234.33	6A	1993.54	84.0
	15.80 - 16.20	FTSS-1620-		8	2772.01	8A	2331.46	104.3
	16.48 - 16.88	FTSS-1688-		10	3406.68	10A	2971.26	120.7
				12	3797.57	12A	3734.48	148.7
				14	9775.78	14A	8517.94	178.0
16"				3	2253.36	3A	1993.54	79.8
				4	2253.36	4A	1993.54	82.2
	17.32 - 17.80	FTSS-1780-		6	2268.92	6A	2213.74	86.6
	17.75 - 18.15	FTSS-1815-		8	2883.62	8A	2511.00	104
	18.15 - 18.62	FTSS-1862-		10	3446.54	10A	3103.87	114
	18.60 - 19.00	FTSS-1900-		12	4105.05	12A	3959.43	150
	18.80 - 19.20	FTSS-1920-		14	10106.23	14A	8829.19	188
				16	13092.06	16A	11274.10	195
18"				3	2286.59	3A	2176.56	87.4
				4	2286.59	4A	2176.56	89.8
				6	2373.17	6A	2274.66	93.7
	19.42 - 19.92	FTSS-1992-		8	3005.72	8A	2577.75	117.1
	19.80 - 20.20	FTSS-2020-		10	3473.80	10A	3175.47	124.7
				12	4208.59	12A	4026.53	161.7
				14	10385.50	14A	9127.62	294.0
				16	13212.83	16A	10503.80	329.5
				18	14571.85	18A	12991.58	434.0.
20"				3	2298.32	3A	2256.04	85
				4	2298.32	4A	2256.04	90.2
	20.20 - 20.60	FTSS-2060-		6	2390.73	6A	2362.18	94.7
	20.90 - 21.30	FTSS-2130-		8	3074.19	8A	2651.00	114
	21.40 - 21.80	FTSS-2180-		10	3550.72	10A	3307.41	127.6
	21.86 - 22.26	FTSS-2226-		12	4294.64	12A	4168.08	171.5
	22.30 - 22.70	FTSS-2270-		14	10697.32	14A	9439.45	195.0
	23.40 - 23.80	FTSS-2380-		16	13998.40	16A	12320.60	205.0
				18	14571.85	18A	13479.90	215.0
				20	17803.93	20A	15347.60	222.0
24"				3	2443.47	3A	2322.63	96.0
				4	2443.47	4A	2322.63	97.0
				6	2668.30	6A	2468.01	103.0
				8	3229.42	8A	2700.12	127.0
	23.80 - 24.20	FTSS-2420-		10	3750.87	10A	3424.30	136.0
	25.60 - 26.00	FTSS-2600-		12	4693.08	12A	4223.33	175.4
	26.20 - 26.60	FTSS-2660-		14	11126.04	14A	9759.23	199.0
				16	14822.21	16A	12358.09	438.0
				18	16467.18	18A	14375.12	518.8
				20	17293.24	20A	16260.66	572.0
				24	22411.75	24A	19269.49	575.0
30"-36"	**Contact factory for information.**							
42"-48"								

Note: Highlighted ranges are recommended for ductile iron pipe, pit cast and C900 PVC pipe applications. (4"-12" also fit IPS PVC pipe)
To Order: Select the sleeve number for the desired pipe material and range; complete the catalog number by adding the flange code.
Example: The complete FTSS catalog number for use on a 6" ductile iron pipe (6.90 O.D.) with a 4" stainless steel flange is FTSS-700-4.
Note: A 1" undersized cutter is required for flanges 14" and larger. Oversized outlets are available by special request P.O.A.

FORD STAINLESS STEEL TAPPING SLEEVE

STYLE FTSAS TAPPING SLEEVES



Nom. Pipe Size	Sleeve O.D. Range	Sleeve Number	By	Stainless Steel Size Flange Code	List Price	Optional Carbon Steel Flange Code	List Price
4"	4.50 - 4.80	**FTSAS-480-**		3	**$ 1379.26**	3A	**$ 1107.60**
				4	**1379.26**	4A	**1107.60**
6"	6.63 - 7.00 6.90 - 7.30	**FTSAS-700-** **FTSAS-730-**		3	**1389.42**	3A	**1206.78**
				4	**1389.42**	4A	**1206.78**
				6	**1415.80**	6A	**1225.43**
8"	8.63 - 9.05 9.05 - 9.30	**FTSAS-905-** **FTSAS-930-**		3	**1459.99**	3A	**1277.37**
				4	**1459.99**	4A	**1277.37**
				6	**1522.81**	6A	**1332.41**
				8	**1943.99**	8A	**1791.95**
10"	10.75 - 11.10 11.40 - 11.70	**FTSAS-1110-** **FTSAS-1170-**		3	**1512.49**	3A	**1329.85**
				4	**1512.49**	4A	**1329.85**
				6	**1551.52**	6A	**1361.13**
				8	**2009.46**	8A	**1857.43**
				10	**3172.40**	10A	**2679.22**
12"	12.75 - 13.20 13.20 - 13.50	**FTSAS-1320-** **FTSAS-1350-**		3	**1636.18**	3A	**1453.54**
				4	**1636.18**	4A	**1453.54**
				6	**1679.53**	6A	**1489.13**
				8	**2312.61**	8A	**2160.56**
				10	**3218.75**	10A	**2726.90**
				12	**3577.19**	12A	**2979.46**
14"	15.23 - 15.72 15.73 - 16.22 16.30 - 16.73 16.74 - 17.26	**FTSAS-1572-** **FTSAS-1622-** **FTSAS-1673-** **FTSAS-1726-**		3	**2046.69**	3A	**1864.08**
				4	**2046.69**	4A	**1864.08**
				6	**2071.42**	6A	**1881.01**
				8	**2686.13**	8A	**2247.36**
				10	**3231.96**	10A	**2740.13**
				12	**3770.64**	12A	**3172.92**
				14	**8803.47**	14A	**7545.65**
16"	17.33 - 17.87 17.88 - 18.43 18.46 - 19.03 18.87 - 19.45	**FTSAS-1787-** **FTSAS-1843-** **FTSAS-1903-** **FTSAS-1945-**		3	**4391.39**	3A	**4208.78**
				4	**4391.39**	4A	**4208.78**
				6	**4416.11**	6A	**4225.72**
				8	**5030.81**	8A	**4501.62**
				10	**5593.70**	10A	**5101.86**
				12	**6252.20**	12A	**6106.59**
				14	**9114.80**	14A	**7856.91**
				16	**11220.16**	16A	**9721.35**
18"	19.41 - 20.01 19.88 - 20.48 20.29 - 20.92 20.93 - 21.57	**FTSAS-2001-** **FTSAS-2048-** **FTSAS-2092-** **FTSAS-2157-**		3	**4540.70**	3A	**4358.08**
				4	**4540.70**	4A	**4358.08**
				6	**4565.42**	6A	**4466.92**
				8	**5180.11**	8A	**4650.92**
				10	**5743.01**	10A	**5251.17**
				12	**6401.49**	12A	**5803.77**
				14	**9413.20**	14A	**8155.33**
				16	**11669.94**	16A	**10171.15**
				18	**12466.04**	18A	**10885.78**

To Order: Select the sleeve number for the desired pipe range and complete catalog number by adding flange code.

Example: The catalog number for use on a 16" ductile iron pipe (17.40 O.D.) with a 16" stainless steel flange is FTSAS-1787-16.

Note: A 1" undersized cutter is required for flanges 14" and larger. Oversized outlets are available by special request P.O.A.

FORD STAINLESS STEEL TAPPING SLEEVE *(CONTINUED)*

STYLE FTSAS TAPPING SLEEVES

Nom. Pipe Size	Sleeve O.D. Range	Sleeve Number	By	Stainless Steel Size Flange Code	List Price	Optional Carbon Steel Flange Code	List Price
20"	21.51 - 22.15 22.16 - 22.81 23.46 - 24.16 24.82 - 25.52	**FTSAS-2215-** **FTSAS-2281-** **FTSAS-2416-** **FTSAS-2552-**		3	**$ 5259.10**	3A	**$ 4971.83**
				4	**5259.10**	4A	**4971.83**
				6	**5283.81**	6A	**5244.36**
				8	**5898.51**	8A	**5369.33**
				10	**6957.93**	10A	**6466.11**
				12	**7654.79**	12A	**6909.88**
				14	**9725.04**	14A	**8467.16**
				16	**12263.42**	16A	**10764.60**
				18	**12954.38**	18A	**11374.11**
				20	**15139.18**	20A	**13007.80**
24"	25.71 - 26.41 26.55 - 27.25 27.26 - 27.96 28.14 - 28.84	**FTSAS-2641-** **FTSAS-2725-** **FTSAS-2796-** **FTSAS-2884-**		3	**5345.57**	3A	**5162.94**
				4	**5345.57**	4A	**5162.94**
				6	**5792.43**	6A	**5261.63**
				8	**6472.03**	8A	**6329.79**
				10	**7421.24**	10A	**6929.41**
				12	**7974.56**	12A	**7376.82**
				14	**10044.79**	14A	**8786.94**
				16	**12753.95**	16A	**11255.14**
				18	**13849.59**	18A	**12269.32**
				20	**16052.19**	20A	**13920.85**
				24	**19603.99**	24A	**16461.76**
30"	29.78 - 30.48 30.48 - 31.18 31.52 - 32.22 32.30 - 33.00	**FTSAS-3048-** **FTSAS-3118-** **FTSAS-3222-** **FTSAS-3300-**		3	**5824.84**	3A	**5537.61**
				4	**5824.84**	4A	**5537.61**
				6	**6340.91**	6A	**5810.11**
				8	**6631.79**	8A	**5908.11**
				10	**7673.31**	10A	**7052.54**
				12	**8226.60**	12A	**7481.71**
				14	**10277.14**	14A	**9019.24**
				16	**12818.24**	16A	**10316.61**
				18	**13958.08**	18A	**12377.83**
				20	**16111.29**	20A	**13979.97**
				24	**20117.65**	24A	**16975.44**
				30	**27297.76**	30A	**22179.32**
36"	37.60 - 38.30 38.00 - 38.70 38.70 - 39.40	**FTSAS-3830-** **FTSAS-3870-** **FTSAS-3940-**		3	**6272.75**	3A	**6016.84**
				4	**6272.75**	4A	**6016.84**
				6	**6889.41**	6A	**6300.50**
				8	**7462.69**	8A	**6398.51**
				10	**8087.87**	10A	**7467.07**
				12	**8521.89**	12A	**7777.02**
				14	**10592.69**	14A	**9334.81**
				16	**13941.84**	16A	**11442.44**
				18	**14549.59**	18A	**12969.33**
				20	**16805.91**	20A	**14674.60**
				24	**20580.26**	24A	**17438.01**
				30	**29774.20**	30A	**24601.58**

To Order: Select the sleeve number for the desired pipe range and complete catalog number by adding flange code.

Example: The catalog number for use on a 16" ductile iron pipe (17.40 O.D.) with a 16" stainless steel flange is FTSAS-1787-16.

Note: A 1" undersized cutter is required for flanges 14" and larger. Oversized outlets are available by special request P.O.A.

FORD STEEL TAPPING SLEEVES
STYLE FTS AND FTSC TAPPING SLEEVES

Nom. Pipe Size	Sleeve O.D. Range	Sleeve Number	Epoxy Coated Sleeve	By	Flange Size Code	Approx. Wt. Lbs.	List Price FTS Low Alloy Bolts	List Price FTS Optional S.S. Bolts -SH	List Price FTSC Stainless Steel Bolts	List Price FTSC Optional Low Alloy Bolts -AH
4"	4.50 - 4.80	FTS-480-	FTSC-480-		3	35.7	$ 797.99	$ 964.17	$ 1072.55	$ 989.23
					4	41.1	797.99	964.17	1072.55	989.23
6"	6.57 - 6.73	FTS-673-	FTSC-673-		3	68.6	802.98	972.23	1098.18	1005.66
	6.83 - 7.16	FTS-716-	FTSC-716-		4	66.5	802.98	972.23	1098.18	1005.66
	7.20 - 7.60	FTS-760-	FTSC-760-							
	7.40 - 7.73	FTS-773-	FTSC-773-		6	78.2	1001.41	1179.15	1376.04	1283.58
8"	7.95 - 8.05	**FTS-805-	**FTSC-805-		3	84.1	835.74	1005.04	1117.45	1025.04
	8.36 - 8.75	FTS-875-	FTSC-875-		4	72.8	835.74	1005.04	1117.45	1025.04
	8.73 - 9.12	FTS-912-	FTSC-912-		6	83.0	920.81	1090.08	1266.34	1173.90
	8.89 - 9.37	FTS-937-	FTSC-937-							
	9.27 - 9.69	FTS-969-	FTSC-969-		8	120.0	1226.76	1452.44	1682.67	1559.47
10"	9.95 - 10.10	**FTS-1010-	**FTSC-1010-		3	83.0	896.57	1065.85	1233.87	1141.43
	10.45 - 10.88	FTS-1088-	FTSC-1088-		4	84.1	896.57	1065.85	1233.87	1141.43
	11.03 - 11.47	FTS-1147-	FTSC-1147-		6	88.8	977.19	1146.46	1337.96	1245.52
	11.36 - 11.80	FTS-1180-	FTSC-1180-		8	130.8	1161.08	1386.78	1596.26	1473.06
					10	166.3	1550.52	1832.62	2129.92	1975.92
12"	11.76 - 12.20	**FTS-1220-	**FTSC-1220-		3	92.0	995.63	1153.87	1298.83	1206.39
	12.42 - 12.88	FTS-1288-	FTSC-1288-		4	86.0	995.63	1153.87	1298.83	1206.39
	13.13 - 13.60	FTS-1360-	FTSC-1360-		6	96.1	1083.08	1241.34	1442.71	1350.28
	13.60 - 14.09	FTS-1409-	FTSC-1409-		8	142.7	1267.66	1478.66	1746.33	1623.10
	14.10 - 14.58	FTS-1458-	FTSC-1458-		10	190.1	1504.71	1768.50	2083.88	1929.90
					12	234.9	1987.50	2309.04	2748.83	2564.03
14"-16"	14.59 - 15.08	FTS-1508-	FTSC-1508-		3	98.0	1117.44	1261.31	1469.62	1377.17
	15.23 - 15.72	FTS-1572-	FTSC-1572-		4	98.0	1117.44	1261.31	1469.62	1377.17
	15.73 - 16.22	FTS-1622-	FTSC-1622-		6	107.6	1246.19	1405.29	1609.82	1517.40
	16.30 - 16.73	FTS-1673-	FTSC-1673-		8	156.5	1575.73	1749.90	2049.17	1925.96
	16.74 - 17.26	FTS-1726-	FTSC-1726-		10	199.5	1809.89	2092.07	2600.41	2446.41
					12	230.0	2170.01	2509.83	2932.23	2747.41
16"-18"	17.33 - 17.87	FTS-1787-	FTSC-1787-		3	108.5	1162.80	1376.52	1522.65	1430.21
	17.88 - 18.43	FTS-1843-	FTSC-1843-		4	108.8	1162.80	1376.52	1522.65	1430.21
	18.46 - 19.03	FTS-1903-	FTSC-1903-		6	118.3	1303.00	1458.27	1674.17	1581.74
	18.87 - 19.45	FTS-1945-	FTSC-1945-		8	172.6	1606.01	1924.01	2143.84	2020.66
	19.41 - 20.01	FTS-2001-	FTSC-2001-		10	203.0	1958.03	2240.19	2816.01	2662.02
					12	278.4	2240.22	2580.09	3098.90	2914.10
					16	425.2	3174.07	3684.47	4223.65	3977.27
18"-20"	19.88 - 20.48	FTS-2048-	FTSC-2048-		3	121.0	1227.23	1522.63	1590.83	1498.39
	20.29 - 20.92	FTS-2092-	FTSC-2092-		4	122.4	1227.23	1522.63	1590.83	1498.39
	20.93 - 21.57	FTS-2157-	FTSC-2157-		6	128.1	1382.54	1643.87	1757.51	1665.06
	21.51 - 22.15	FTS-2215-	FTSC-2215-		8	187.1	1765.07	1994.79	2253.72	2130.53
	22.16 - 22.81	FTS-2281-	FTSC-2281-		10	294.9	2019.81	2301.93	2932.23	2778.24
					12	273.0	2291.19	2631.11	3242.27	3057.47
					16	412.0	3281.93	3792.44	4376.74	4130.35
20"-24"	22.78 - 23.45	FTS-2345-	FTSC-2345-		3	132.0	1325.74	1564.36	1734.79	1642.36
	23.46 - 24.16	FTS-2416-	FTSC-2416-		4	133.0	1325.74	1564.36	1734.79	1642.36
	24.15 - 24.85	FTS-2485-	FTSC-2485-		6	153.8	1507.56	1730.98	1920.36	1827.93
	24.82 - 25.52	FTS-2552-	FTSC-2552-		8	208.1	1870.02	2095.76	2469.64	2346.43
					10	229.0	2132.73	2435.44	3170.05	3016.05
					12	299.0	2409.06	2749.08	3541.57	3356.75
					16	489.8	3384.70	3895.31	4516.58	4270.20
24"	25.71 - 26.41	FTS-2641-	FTSC-2641-		3	142.6	1408.98	1579.50	1799.20	1706.77
	26.55 - 27.25	FTS-2725-	FTSC-2725-		4	142.6	1408.98	1579.50	1799.20	1706.77
	27.26 - 27.96	FTS-2796-	FTSC-2796-		6	153.0	1587.03	1761.31	2003.71	1911.29
	28.14 - 28.84	FTS-2884-	FTSC-2884-		8	217.4	1947.20	2172.95	2602.17	2478.97
					10	260.0	2215.56	2497.68	3223.39	3069.39
					12	347.4	2493.62	2833.56	3668.84	3484.02
					16	459.0	3604.23	4114.76	4777.28	4530.87
30"	29.78 - 30.48	FTS-3048-	FTSC-3048-		3	161.0	1541.61	1768.92	1969.60	1886.17
	30.48 - 31.18	FTS-3118-	FTSC-3118-		4	162.0	1541.61	1768.92	1969.60	1886.17
	31.52 - 32.22	FTS-3222-	FTSC-3222-		6	166.2	1761.31	1962.26	2189.33	2096.88
					8	222.0	2041.24	2266.98	2859.71	2736.53
					10	283.0	2337.42	2619.56	3432.25	3278.25
					12	366.1	2598.32	2938.23	3937.38	3752.60
					16	540.9	3733.56	4242.55	5029.98	4783.57

To Order: Select the sleeve number for the desired pipe range and complete catalog number by adding flange code.

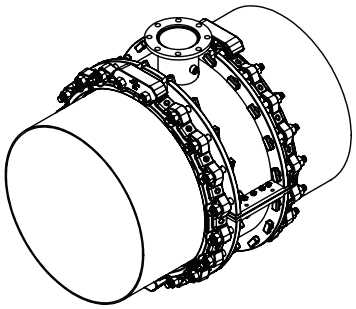
Example: The catalog number for use on a 6" ductile iron pipe (6.90 O.D.) with standard coating and a 4" flange is FTS-716-4.

Option: **"-SH"** standard FTS with stainless steel bolts; add "-SH" to the catalog number. Example: FTS-716-4-SH
"-AH" standard FTSC with low alloy bolts; add "-AH" to the catalog number. Example: FTSC-716-4-AH

Note: A 1" undersized cutter is required for flanges 14" and larger. Oversized outlets are available by special request P.O.A.

** Size on size for this range not available.

FORD MECHANICAL JOINT TAPPING SLEEVES
STYLE MJTS



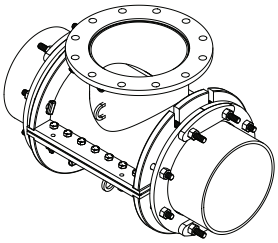
Nominal Pipe Size	Sleeve* O.D.	Sleeve Number**	By	Flange Size Code	List Price
4"	4.80	MJTS-480-x		4	P.O.A.
6"	6.90	MJTS-690-x		4	
				6	
8"	9.05	MJTS-905-x		4	
				6	
				8	
10"	11.10	MJTS-1110-x		4	
				6	
				9	
				10	
12"	13.20	MJTS-1320-x		4	
14"	15.30	MJTS-1530-x		6	
16"	17.40	MJTS-1740-x			
18"	19.50	MJTS-1950-x		8	
20"	21.60	MJTS-2160-x		10	
24"	25.80	MJTS-2580-x			
30"	32.00	MJTS-3200-x		12	

* Sleeve will accommodate AWWA pipe tolerances.

** To order: Add flange size to the sleeve number. Example: A 4" flange on 14" ductile iron pipe would be MJTS-1530-4. For MJ outlet, add “-MJ” to the catalog number. Example: MJTS-1530-4-MJ.

Note: Iron sizes and custom sizes available. Contact factory for information

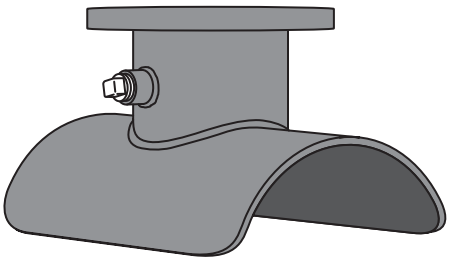
FORD STAINLESS STEEL MECHANICAL JOINT TAPPING SLEEVE
STYLE MJTS



Nominal Pipe Size	Pipe O.D. (In.)	Catalog Number (304 Stainless Steel)	Catalog Number (316 Stainless Steel)	Flange Size Code *†	List Price
4"	4.50	MJTSX-450-x	MJTSQ-450-x	4	P.O.A.
	4.80	MJTSX-480-x	MJTSQ-480-x		
	5.00	MJTSX-500-x	MJTSQ-500-x		
6"	6.63	MJTSX-663-x	MJTSQ-663-x		
	6.90	MJTSX-690-x	MJTSQ-690-x		
	7.10	MJTSX-710-x	MJTSQ-710-x	6	
8"	8.63	MJTSX-863-x	MJTSQ-863-x		
	9.05	MJTSX-905-x	MJTSQ-905-x		
	9.30	MJTSX-930-x	MJTSQ-930-x		
10"	10.75	MJTSX-1075-x	MJTSQ-1075-x	8	
	11.10	MJTSX-1110-x	MJTSQ-1110-x		
	11.40	MJTSX-1140-x	MJTSQ-1140-x		
12"	12.75	MJTSX-1275-x	MJTSQ-1275-x		
	13.20	MJTSX-1320-x	MJTSQ-1320-x		
	13.50	MJTSX-1350-x	MJTSQ-1350-x	10	
14"	14.00	MJTSX-1400-x	MJTSQ-1400-x		
	15.30	MJTSX-1530-x	MJTSQ-1530-x		
	15.65	MJTSX-1565-x	MJTSQ-1565-x	12	
16"	16.00	MJTSX-1600-x	MJTSQ-1600-x		
	17.40	MJTSX-1740-x	MJTSQ-1740-x		
	17.80	MJTSX-1780-x	MJTSQ-1780-x	14	
18"	18.00	MJTSX-1800-x	MJTSQ-1800-x		
	19.50	MJTSX-1950-x	MJTSQ-1950-x		
	19.92	MJTSX-1992-x	MJTSQ-1992-x	16	
20"	20.00	MJTSX-2000-x	MJTSQ-2000-x		
	21.60	MJTSX-2160-x	MJTSQ-2160-x		
	22.06	MJTSX-2206-x	MJTSQ-2206-x		
24"	24.00	MJTSX-2400-x	MJTSQ-2400-x	18	
	25.80	MJTSX-2580-x	MJTSQ-2580-x		
	26.32	MJTSX-2632-x	MJTSQ-2632-x		
30"	30.00	MJTSX-3000-x	MJTSQ-3000-x	20	
	32.00	MJTSX-3200-x	MJTSQ-3200-x		
36"	36.00	MJTSX-3600-x	MJTSQ-3600-x	24	
	38.30	MJTSX-3830-x	MJTSQ-3830-x		

*Replace “x” in part number with desired flange size code. Example: An MJTS with 304 stainless steel construction & hardware and a 10” flange for pipe with an O.D. of 12.75” is MJTSX-1275-10
† Flange size not to exceed nominal pipe size
Note: Custom sizes available. Contact factory for information.

FORD STEEL WELD-ON TAPPING SLEEVES
STYLE FWS



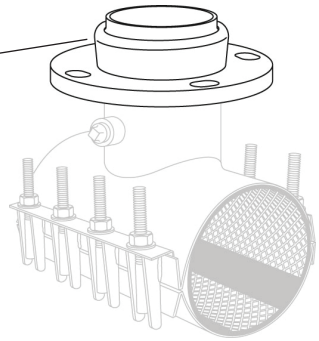
Nom Pipe Size	Pipe O.D.	Flange Size	Catalog Number	Pressure Rating	List Price
3"	3.50	3"	**FWS-350-3**	175	**$ 682.88**
4"	4.00	3"	**FWS-400-3**	175	**693.26**
		4"	**FWS-400-4**	175	**710.47**
	4.50	3"	**FWS-450-3**	175	**693.26**
		4"	**FWS-450-4**	175	**710.47**
6"	6.00	4"	**FWS-600-4**	175	**726.15**
		6"	**FWS-600-6**	175	**765.03**
	6.63	4"	**FWS-663-4**	175	**726.15**
		6"	**FWS-663-6**	175	**765.03**
8"	8.00	4"	**FWS-800-4**	175	**771.98**
		6"	**FWS-800-6**	175	**777.00**
		8"	**FWS-800-8**	175	**884.85**
	8.63	4"	**FWS-863-4**	175	**771.98**
		6"	**FWS-863-6**	175	**777.00**
		8"	**FWS-863-8**	175	**884.85**
10"	10.00	6"	**FWS-1000-6**	175	**795.23**
		8"	**FWS-1000-8**	175	**904.25**
		10"	**FWS-1000-10**	175	**1172.72**
	10.75	4"	**FWS-1075-4**	175	**783.92**
		6"	**FWS-1075-6**	175	**795.23**
		8"	**FWS-1075-8**	175	**904.25**
		10"	**FWS-1075-10**	175	**1172.72**
12"	12.00	8"	**FWS-1200-8**	175	**926.22**
		10"	**FWS-1200-10**	175	**1209.34**
		12"	**FWS-1200-12**	175	**1348.44**
	12.75	4"	**FWS-1275-4**	175	**802.34**
		6"	**FWS-1275-6**	175	**818.27**
		8"	**FWS-1275-8**	175	**926.22**
		10"	**FWS-1275-10**	175	**1209.34**
		12"	**FWS-1275-12**	175	**1348.44**

Listed below are common sizes of FWS tapping sleeves. If your pipe O.D. is not in the listed ranges or if you are ordering an unlisted option, contact Ford Customer Service for pricing and availability.

MECHANICAL JOINT ADAPTER OUTLET OPTION FOR FORD TAPPING SLEEVES

A special mechanical joint outlet is available as an option on Ford Tapping Sleeves. This special outlet will attach to a mechanical joint valve.

Mechanical Joint Outlet Option Shown on a FAST Style Tapping Sleeve.



To order a Ford Tapping Sleeve with this option, add "-MJ" to the end of the part number.

Example: The catalog number for a 6" FAST tapping sleeve with a 6" carbon steel mechanical joint outlet is FAST-700-6A-MJ or FAST-730-6A-MJ.

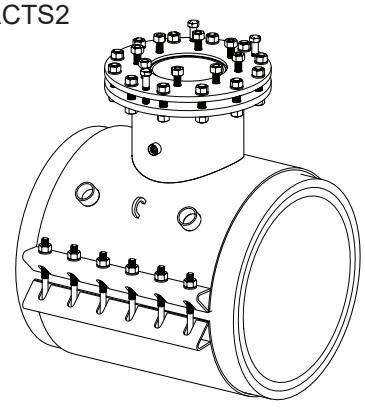
Please add the following to the list price when ordering the mechanical joint outlet option. This price adder is the same for any type of tapping sleeve having a listed outlet size.

"-MJ" Outlet Size	"-MJ" List Price Adder
3"	**$ 59.09**
4"	**59.09**
6"	**66.90**
8"	**94.81**
10"	**112.18**
12"	**203.80**
*14"	**P.O.A.**
*16"	**P.O.A.**
*18"	**P.O.A.**
*20"	**P.O.A.**
*24"	**P.O.A.**

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

REINFORCED CONCRETE CYLINDER PIPE TAPPING SLEEVE

The FRCTS is available in sizes 8"-60" with 4"-30" outlets. For an epoxy coated sleeve, order the FRCTSC. To order with straps instead of a solid band, use FRCTS2



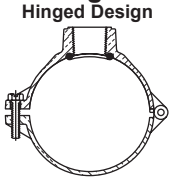
How to Order

For pricing and engineering, please provide the following information:

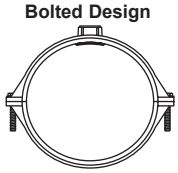
- O.D. of concrete pipe and cylinder O.D.
- Type of pipe (manufacturer and class if known)
- Outlet size (on 14" and larger, provide valve manufacturer and cutter size)
- Pressure and line content
- Coating
- Solid band or straps
- If solid band, hardware requirements
- Installation orientation

FORD BRASS SADDLES FOR PVC PIPE

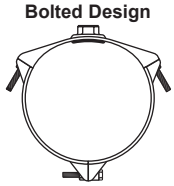
Design A
Hinged Design



Design B
2-Piece
Bolted Design



Design C
3-Piece
Bolted Design



S70 AND S71 BRASS SADDLES FOR STANDARD (STEEL SIZE) PVC PIPE

PVC Pipe Size	Actual O.D.	AWWA Tap Cat. No. S70	IP Tap Cat. No. S71	Design	Tap Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
1-1/2"	1.90	**S70-151**	**S71-151**	A	1/2"	1.1	10	**$ 45.15**
		S70-153	**S71-153**	A	3/4"	0.9	10	**45.15**
2"	2.38	**S70-201**	**S71-201**	A	1/2"	1.3	6	**47.48**
		S70-203	**S71-203**	A	3/4"	1.1	6	**47.48**
		S70-204	**S71-204**	A	1"	1.2	6	**47.48**
		S70-205	**S71-205**	B	1-1/4"	3.6	5	**116.73**
		S70-206	**S71-206**	B	1-1/2"	3.2	5	**116.73**
2-1/2"	2.88	**S70-253**	**S71-253**	A	3/4"	1.7	10	**59.34**
		S70-254	**S71-254**	A	1"	1.6	10	**59.34**
		S70-255	**S71-255**	B	1-1/4"	3.5	2	**125.49**
		S70-256	**S71-256**	B	1-1/2"	3.6	-	**125.49**
3"	3.50	**S70-301**	**S71-301**	A	1/2"	2.0	4	**62.63**
		S70-303	**S71-303**	A	3/4"	1.9	4	**62.63**
		S70-304	**S71-304**	A	1"	1.8	4	**62.63**
		-	**S71-307**	B	2"	3.6	4	**202.75**
4"	4.50	**S70-401**	**S71-401**	A	1/2"	2.3	2	**73.72**
		S70-403	**S71-403**	A	3/4"	2.2	2	**73.72**
		S70-404	**S71-404**	A	1"	2.1	2	**73.72**
		S70-406	**S71-406**	A	1-1/2"	5.2	6	**158.79**
		S70-407	**S71-407**	A	2"	4.4	6	**158.79**
5"	5.56	**S70-503**	**S71-503**	A	3/4"	2.6	4	**89.62**
		S70-504	**S71-504**	A	1"	2.5	4	**89.62**
6"	6.63	**S70-601**	**S71-601**	A	1/2"	2.9	-	**109.99**
		S70-603	**S71-603**	A	3/4"	2.8	6	**109.99**
		S70-604	**S71-604**	A	1"	2.9	6	**109.99**
		S70-606	**S71-606**	A	1-1/2"	6.7	4	**207.55**
		S70-607	**S71-607**	A	2"	5.8	4	**207.55**
8"	8.63	**S70-801**	**S71-801**	A	1/2"	3.7	6	**151.17**
		S70-803	**S71-803**	A	3/4"	3.6	6	**151.17**
		S70-804	**S71-804**	A	1"	3.6	6	**151.17**
		S70-806	**S71-806**	A	1-1/2"	6.7	4	**213.99**
		S70-807	**S71-807**	A	2"	6.5	4	**213.99**
10"	10.75	**S70-1003**	**S71-1003**	C	3/4"	7.7	5	**291.65**
		S70-1004	**S71-1004**	C	1"	7.6	5	**291.65**
	10.75 - 11.10	***S70-S90-1006**	***S71-S91-1006**	C	1-1/2"	13.1	2	**416.08**
		***S70-S90-1007**	***S71-S91-1007**	C	2"	12.8	2	**416.08**
12"	12.75	**S70-1203**	**S71-1203**	C	3/4"	8.6	3	**388.00**
		S70-1204	**S71-1204**	C	1"	8.6	3	**388.00**
	12.75 - 13.20	***S70-S90-1206**	***S71-S91-1206**	C	1-1/2"	15.6	2	**448.24**
		***S70-S90-1207**	***S71-S91-1207**	C	2"	14.4	2	**448.24**

* These saddles will cover steel size PVC and C900 PVC O.D. ranges.

S40 AND S41 BRASS SADDLES FOR COPPER TUBING

Copper Tubing Size	Actual O.D.	AWWA Tap Cat. No. S40	IP Tap Cat. No. S41	Design	Tap Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
2"	2.13	**S40-201**	**S41-201**	A	1/2"	1.2	6	**$ 61.92**
		S40-203	**S41-203**	A	3/4"	1.1	6	**61.92**
		S40-204	**S41-204**	A	1"	1.0	6	**61.92**

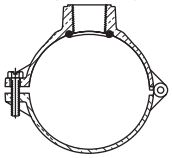
Saddle Style, Design and Bolt Chart

Saddle Style	PVC Pipe Size	Tap Size	Design	No. of Bolts	Saddle Screw and Bolt Sizes	Bolt Cat. No.	List Price
S70 / S71	1-1/2" thru 8"	3/4" and 1"	Hinged	1 per saddle	5/16" x 1-1/2"	**SADDLE-SCREW800181**	**$ 2.46**
	2" and 2-1/2"	1-1/4" and 1-1/2"	2 Piece	2 per piece	5/16" x 1-1/2"	**SADDLE-SCREW800181**	**2.46**
	3"	2"	2 Piece	2 per piece	3/8" x 1-1/2"	**SADDLE-BOLT-800224**	**5.16**
	4" thru 8"	1-1/2" and 2"	Hinged	2 per saddle	5/16" x 1-1/2"	**SADDLE-SCREW800181**	**2.46**
	10" and 12"	3/4" and 1"	3 Piece	1 per piece	1/2" x 3"	***SADDLE-BOLT-800287**	**7.48**
	10" and 12"	1-1/2" and 2"	3 Piece	2 per piece	1/2" x 3"	***SADDLE-BOLT-800287**	**7.48**

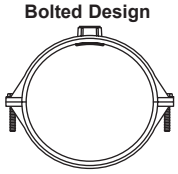
* Requires nut. Catalog number: **SADDLE-NUT-800490** . . . . . **$ 3.16**

FORD S90 AND S900 SERIES BRASS SADDLES

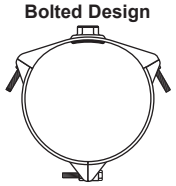
Design A
Hinged Design



Design B
2-Piece Bolted Design



Design C
3-Piece Bolted Design



S90 AND S91 BRASS SADDLES FOR C900 PVC PIPE

PVC Pipe Size	Actual O.D.	AWWA Tap Cat. No. S90	IP Tap Cat. No. S91	Design	Tap Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
2"	2.50	**S90-201**	**S91-201**	A	1/2"	0.9	-	**$ 50.34**
		S90-203	**S91-203**	A	3/4"	0.9	6	**50.34**
4"	4.80	**S90-401**	**S91-401**	A	1/2"	2.1	-	**80.56**
		S90-403	**S91-403**	A	3/4"	1.9	10	**80.56**
		S90-404	**S91-404**	A	1"	2.1	10	**80.56**
		S90-406	**S91-406**	A	1-1/2"	4.3	6	**201.44**
		S90-407	**S91-407**	A	2"	4.7	6	**201.44**
6"	6.90	**S90-601**	**S91-601**	A	1/2"	3.4	-	**109.99**
		S90-603	**S91-603**	A	3/4"	3.3	5	**109.99**
		S90-604	**S91-604**	A	1"	3.4	5	**109.99**
		S90-606	**S91-606**	A	1-1/2"	5.3	4	**207.55**
		S90-607	**S91-607**	A	2"	5.6	4	**207.55**
8"	9.05	**S90-801**	**S91-801**	A	1/2"	4.3	-	**153.96**
		S90-803	**S91-803**	A	3/4"	4.2	5	**153.96**
		S90-804	**S91-804**	A	1"	4.4	5	**153.96**
		S90-806	**S91-806**	A	1-1/2"	7.2	4	**236.97**
		S90-807	**S91-807**	A	2"	7.1	4	**236.97**
10"	11.10	**S90-1003**	**S91-1003**	B	3/4"	9.3	5	**416.08**
		S90-1004	**S91-1004**	B	1"	9.3	5	**416.08**
	10.75 - 11.10	***S70-S90-1006**	**S71-S91-1006**	C	1-1/2"	13.2	2	**416.08**
		***S70-S90-1007**	**S71-S91-1007**	C	2"	12.8	2	**416.08**
12"	13.20	**S90-1203**	**S91-1203**	B	3/4"	11.0	4	**448.24**
		S90-1204	**S91-1204**	B	1"	10.9	4	**448.24**
	12.75 - 13.20	***S70-S90-1206**	**S71-S91-1206**	C	1-1/2"	15.2	2	**448.24**
		***S70-S90-1207**	**S71-S91-1207**	C	2"	14.4	2	**448.24**

* These saddles will cover steel size PVC and C900 PVC O.D. ranges.

S902 AND S912
TWO-PIECE BOLTED SADDLES FOR C900 PVC PIPE

PVC Pipe Size	Actual O.D.	AWWA Tap Cat. No. S902	IP Tap Cat. No. S912	Design	Tap Size	Approx. Wt. Lbs.	Std Pkg. Qty.	List Price
4"	4.80	**S902-403**	**S912-403**	B	3/4"	3.0	5	**$ 80.56**
		S902-404	**S912-404**	B	1"	2.8	5	**80.56**
		S902-406	**S912-406**	B	1-1/2"	7.5	3	**201.56**
		S902-407	**S912-407**	B	2"	6.5	3	**201.56**
6"	6.90	**S902-603**	**S912-603**	B	3/4"	4.8	5	**109.99**
		S902-604	**S912-604**	B	1"	4.7	5	**109.99**
		S902-606	**S912-606**	B	1-1/2"	9.1	3	**207.52**
		S902-607	**S912-607**	B	2"	8.5	3	**207.52**
8"	9.05	**S902-803**	**S912-803**	B	3/4"	5.6	5	**153.96**
		S902-804	**S912-804**	B	1"	5.5	5	**153.96**
		S902-806	**S912-806**	B	1-1/2"	10.3	-	**236.96**
		S902-807	**S912-807**	B	2"	9.8	3	**236.96**
10"	11.10	**S902-1006**	**S912-1006**	B	1-1/2"	12.7	3	**416.08**
		S902-1007	**S912-1007**	B	2"	12.1	3	**416.08**
12"	13.20	**S902-1206**	**S912-1206**	B	1-1/2"	14.4	3	**448.24**
		S902-1207	**S912-1207**	B	2"	13.8	3	**448.24**

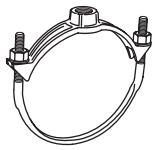
Saddle Style, Design and Bolt Chart

Saddle Style	PVC Pipe Size	Tap Size	Design	No. of Bolts	Saddle Screw and Bolt Sizes	Bolt Cat. No.	List Price
S90 / S91	2" thru 8"	3/4" and 1"	Hinged	1 per saddle	5/16" x 1-1/2"	**SADDLE-SCREW800181**	**$ 2.46**
	4" thru 8"	1-1/2" and 2"	Hinged	2 per saddle	5/16" x 1-1/2"	**SADDLE-SCREW800181**	**2.46**
	10" and 12"	3/4" and 1"	2 Piece	2 per saddle	1/2" x 3"	* **SADDLE-BOLT-800287**	**7.48**
	10" and 12"	1-1/2" and 2"	3 Piece	6 per saddle	1/2" x 3"	* **SADDLE-BOLT-800287**	**7.48**
S902 / S912	4" thru 12"	3/4" and 1"	2 Piece	2 per saddle	3/8" x 2"	**SADDLE-SCREW800233**	**4.57**
		1-1/2" and 2"	2 Piece	4 per saddle	1/2" x 3"	*† **SADDLE-BOLT-800287**	**7.48**

* Requires nut. Catalog number: **SADDLE-NUT-800490** . . . . . **$ 3.16**
SADDLEWASHER800561 required for each bolt **3.40**

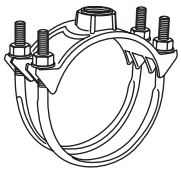
FORD BRASS SADDLES (CONTINUED)

STYLE 101B SINGLE STRAP SADDLE (FOR AC OR IRON PIPE)



Nom. Pipe Size	O.D. Range	Catalog Number	Approx. Wt. Lbs.	Ctn. Qty.	List Price 3/4" & 1" Taps
4"	4.80 - 5.40	**101B-540-Tap**	3.2	10	**$ 115.95**
6"	6.90 - 7.50	**101B-750-Tap**	3.7	10	**141.06**
8"	9.05 - 9.62	**101B-962-Tap**	4.3	10	**179.82**
10"	11.10 - 12.12	**101B-1212-Tap**	5.4	10	**235.19**
12"	13.20 - 14.38	**101B-1438-Tap**	6.4	8	**250.60**

STYLE 202B DOUBLE STRAP BRASS SADDLES (FOR AC OR IRON PIPE)

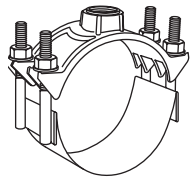


Nom. Pipe Size	O.D. Range	Catalog Number	List Price 3/4" & 1" Taps	Approx. Wt. Lbs.	Ctn. Qty.	List Price 1-1/2" Taps	List Price 2" Taps	Approx. Wt. Lbs.	Ctn. Qty.
4"	4.80 - 5.40	**202B-540-Tap**	**$ 210.31**	6.2	6	**$ 245.27**	**N/A**	7.1	6
	4.80 - 5.10	*** 202B-510-Tap**	**N/A**	-	-	**N/A**	**$ 267.00**	7.6	6
	5.10 - 5.40	*** 202B-540-Tap**	**N/A**	6.2	-	**N/A**	**267.00**	7.1	6
6"	6.90 - 7.50	**202B-750-Tap**	**247.74**	7.4	4	**283.22**	**311.20**	8.4	4
8"	9.05 - 9.62	**202B-962-Tap**	**306.60**	8.4	4	**322.80**	**351.39**	9.5	4
10"	11.10 - 12.12	**202B-1212-Tap**	**379.83**	10.7	4	**417.13**	**448.03**	11.3	4
12"	13.20 - 14.38	**202B-1438-Tap**	**444.53**	12.9	3	**501.38**	**510.42**	13.7	3
14"	15.30 - 16.25	**202B-1625-Tap**	**675.16**	15.9	2	**675.16**	**675.16**	15.2	2
	16.30 - 17.25	**202B-1725-Tap**	**719.64**	16.3	2	**719.64**	**719.64**	15.6	2
16"	17.40 - 18.40	**202B-1840-Tap**	**761.98**	16.9	2	**761.98**	**761.98**	16.2	2
	18.50 - 19.25	**202B-1925-Tap**	**761.98**	16.8	2	**761.98**	**761.98**	16.1	2
18"	19.50 - 20.50	**202B-2050-Tap**	**878.23**	17.3	2	**878.23**	**878.23**	16.6	2
20"	21.20 - 22.20	**202B-2220-Tap**	**903.51**	18.1	2	**903.51**	**903.51**	17.4	2
	22.50 - 23.50	**202B-2350-Tap**	**930.78**	25.7	2	**930.78**	**930.78**	17.9	2
24"	23.80 - 24.80	**202B-2480-Tap**	**969.63**	17.1	2	**969.63**	**969.63**	19.7	2
	25.60 - 26.50	**202B-2650-Tap**	**992.03**	20.4	2	**992.03**	**992.03**	20.4	2
30"	31.74 - 32.74	**202B-3274-Tap**	**1113.57**	22.9	2	**1113.57**	**1113.57**	28.8	2

*** Please Note:** These 4" saddles with 2" taps have limited range. For all other tap sizes, use the standard 4.80-5.40 range.

Brass nut only for 101B and 202B: **BSN-1** . . . . . **List Price $ 8.75**

STYLE 202BS DOUBLE BAND SADDLES (FOR AC OR IRON PIPE)



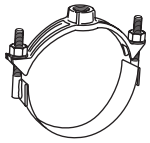
Nom. Pipe Size	O.D. Range	Catalog Number	List Price 3/4" & 1" Taps	Approx. Wt. Lbs.	Ctn. Qty.	List Price 1-1/2" Taps	List Price 2" Taps	Approx. Wt. Lbs.	Ctn. Qty.
*4"	4.80 - 5.40	**202BS-540-Tap**	**$ 248.38**	6.3	4	**$ 289.70**	**N/A**	7.3	-
	4.80 - 5.10	*** 202BS-510-Tap**	**N/A**	-	-	**N/A**	**$ 299.58**	7.2	4
	5.10 - 5.40	*** 202BS-540-Tap**	**N/A**	6.3	-	**N/A**	**299.58**	7.3	4
6"	6.90 - 7.50	**202BS-750-Tap**	**292.53**	7.2	3	**334.45**	**349.15**	8.2	3
8"	9.05 - 9.62	**202BS-962-Tap**	**362.11**	7.9	3	**381.15**	**394.21**	8.9	3
10"	11.10 - 12.12	**202BS-1212-Tap**	**448.64**	9.8	3	**492.70**	**502.60**	10.5	3
12"	13.20 - 14.38	**202BS-1438-Tap**	**498.78**	11.6	2	**562.53**	**572.77**	12.4	2
14"	15.30 - 16.25	**202BS-1625-Tap**	**675.16**	14.4	2	**675.16**	**675.16**	13.7	2
	16.30 - 17.25	**202BS-1725-Tap**	**719.64**	14.6	2	**719.64**	**719.64**	13.9	2
16"	17.40 - 18.40	**202BS-1840-Tap**	**761.98**	14.9	2	**761.98**	**761.98**	14.2	2
	18.50 - 19.25	**202BS-1925-Tap**	**761.98**	14.7	2	**761.98**	**761.98**	14.0	2
18"	19.50 - 20.50	**202BS-2050-Tap**	**878.23**	14.9	2	**878.23**	**878.23**	14.3	2
20"	21.20 - 22.20	**202BS-2220-Tap**	**903.51**	15.3	2	**903.51**	**903.51**	14.6	2
	22.50 - 23.50	**202BS-2350-Tap**	**930.78**	15.5	2	**930.78**	**930.78**	14.9	2
24"	23.80 - 24.80	**202BS-2480-Tap**	**969.63**	15.9	2	**969.63**	**969.63**	15.2	2
	25.60 - 26.50	**202BS-2650-Tap**	**992.03**	16.3	2	**992.03**	**992.03**	15.6	2
30"	31.74 - 32.74	**202BS-3274-Tap**	**1113.57**	17.3	2	**1113.57**	**1113.57**	16.9	2

*** Please Note:** These 4" saddles with 2" taps have limited range. For all other tap sizes, use the standard 4.80-5.40 range.

Note: Contact factory for part numbers, pricing and availability of products complying with domestic program requirements.

FORD BRASS SADDLES FOR C900 PVC PIPE

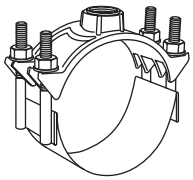
STYLE 101BS SINGLE BAND SADDLES SIZED FOR C900 PVC PIPE



Nom. Pipe Size	PVC O.D.	Catalog Number	Approx. Wt. Lbs.	Ctn. Qty.	List Price 3/4" & 1" Taps
4"	4.80	**101BS-480-Tap**	3.4	5	**$ 136.90**
6"	6.90	**101BS-690-Tap**	3.6	5	**166.59**
8"	9.05	**101BS-905-Tap**	4.1	5	**212.32**
10"	11.10	**101BS-1110-Tap**	5.4	5	**277.78**
12"	13.20	**101BS-1320-Tap**	5.9	5	**295.89**

Note: Contact factory for part numbers, pricing and availability of products complying with domestic program requirements.

STYLE 202BS DOUBLE BAND SADDLES SIZED FOR C900 PVC FOR 3/4" THROUGH 2" TAPS AND STEEL PVC FOR 3/4" THROUGH 1" TAPS



Nom. Pipe Size	PVC O.D.	Catalog Number	List Price 3/4" & 1" Taps	Approx. Wt. Lbs.	Ctn. Qty.	List Price 1-1/2" Taps	List Price 2" Taps	Approx. Wt. Lbs.	Ctn. Qty.
4"	4.80	**202BS-480-Tap**	**$ 248.38**	6.3	4	**$ 289.70**	**$ 299.58**	7.8	4
6"	6.63	**202BS-663-Tap**	**292.53**	7.1	3	**N/A**	**N/A**	-	-
	6.90	**202BS-690-Tap**	**292.53**	7.2	3	**334.45**	**349.15**	8.2	3
8"	8.63	**202BS-863-Tap**	**362.11**	7.8	3	**N/A**	**N/A**	-	-
	9.05	**202BS-905-Tap**	**362.11**	8.0	3	**381.15**	**394.21**	8.9	3
10"	10.75	**202BS-1075-Tap**	**448.64**	9.7	3	**N/A**	**N/A**	-	3
	11.10	**202BS-1110-Tap**	**448.64**	9.8	3	**492.70**	**502.60**	10.5	3
12"	12.75	**202BS-1275-Tap**	**498.78**	11.1	2	**N/A**	**N/A**	-	-
	13.20	**202BS-1320-Tap**	**498.78**	11.6	2	**562.53**	**572.77**	12.4	2
14"	15.30	**202BS-1530-Tap**	**675.16**	14.4	2	**675.16**	**675.16**	13.7	2
16"	17.40	**202BS-1740-Tap**	**761.98**	14.9	2	**761.98**	**761.98**	14.2	2
18"	19.50	**202BS-1950-Tap**	**878.23**	14.9	2	**878.23**	**878.23**	14.3	2
20"	21.60	**202BS-2160-Tap**	**903.51**	15.3	2	**903.51**	**903.51**	14.6	2
24"	25.80	**202BS-2580-Tap**	**992.03**	16.3	2	**992.03**	**992.03**	15.6	2
30"	32.00	**202BS-3200-Tap**	**1113.57**	27.0	2	**1113.57**	**1113.57**	16.9	2

Note: Contact factory for part numbers, pricing and availability of products complying with domestic program requirements.

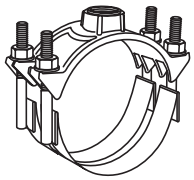
OUTLET THREAD TAP CODE

CC (AWWA) THREAD		FIP THREAD	
Thread	**Code No.**	**Thread**	**Code No.**
3/4" CC	**CC3**	3/4" IP	**IP3**
1" CC	**CC4**	1" IP	**IP4**
1-1/4" CC	**CC5**	1-1/4" IP	**IP5**
1-1/2" CC	**CC6**	1-1/2" IP	**IP6**
2" CC	**CC7**	2" IP	**IP7**

To Order: Select the catalog number for the desired pipe range and complete catalog number by adding the outlet thread tap code.
Example: A standard single band saddle for 6.90 ductile iron pipe with a 3/4" CC thread would be 101B-750-CC3.

FORD BRASS SADDLES FOR C900 PVC PIPE (CONTINUED)

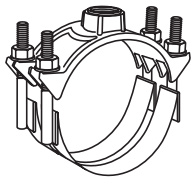
STYLE 202BSD DUAL BAND BRASS SADDLES FOR C900 PVC PIPE



Nom. Pipe Size	PVC O.D.	Catalog Number	List Price 3/4" & 1" Taps	Approx. Wt. Lbs.	Ctn. Qty.	List Price 1-1/2" Taps	List Price 2" Taps	Approx. Wt. Lbs.	Ctn. Qty.
4"	4.80	**202BSD-480-Tap**	**$ 278.20**	6.4	6	**$ 324.46**	**$ 335.55**	7.9	6
6"	6.90	**202BSD-690-Tap**	**327.61**	7.3	3	**374.61**	**391.04**	8.3	3
8"	9.05	**202BSD-905-Tap**	**405.58**	8.1	3	**426.88**	**441.53**	9.1	3
10"	11.10	**202BSD-1110-Tap**	**502.48**	10.7	6	**551.80**	**562.90**	11.4	4
12"	13.20	**202BSD-1320-Tap**	**558.64**	11.9	3	**630.02**	**641.50**	12.7	3
14"	15.30	**202BSD-1530-Tap**	**756.18**	13.2	-	**756.18**	**756.18**	13.3	-
16"	17.40	**202BSD-1740-Tap**	**853.42**	14.7	2	**853.42**	**853.42**	14.0	2
18"	19.50	**202BSD-1950-Tap**	**983.61**	14.9	2	**983.61**	**983.61**	14.2	2
20"	21.60	**202BSD-2160-Tap**	**1011.94**	15.2	2	**1011.94**	**1011.94**	14.2	2
24"	25.80	**202BSD-2580-Tap**	**1111.08**	15.5	-	**1111.08**	**1111.08**	15.5	1
30"	32.00	**202BSD-3200-Tap**	**1247.19**	26.0	-	**1247.19**	**1247.19**	16.8	-

Note: Contact factory for part numbers, pricing and availability of products complying with domestic program requirements.

STYLE 202BSD DUAL BAND BRASS SADDLES FOR STEEL, IRON AND AC PIPE



Nom. Pipe Size	PVC O.D.	Catalog Number	List Price 3/4" & 1" Taps	Approx. Wt. Lbs.	Ctn. Qty.	List Price 1-1/2" Taps	List Price 2" Taps	Approx. Wt. Lbs.	Ctn. Qty.
4"	4.80 - 5.40	**202BSD-540-Tap**	**$ 278.20**	6.4	6	**$ 324.46**	**N/A**	7.4	-
* 4"	4.80 - 5.10	**202BSD-510-Tap**	**N/A**	6.2	-	**N/A**	**$ 335.55**	7.9	6
* 4"	5.10 - 5.40	**202BSD-540-Tap**	**N/A**	6.4	6	**N/A**	**335.55**	7.4	-
** 6"	6.63	**202BSD-663-Tap**	**327.61**	7.2	3	**N/A**	**N/A**	-	-
6"	6.90 - 7.50	**202BSD-750-Tap**	**327.61**	7.3	3	**374.61**	**391.04**	8.3	3
** 8"	8.63 - 9.05	**202BSD-905-Tap**	**405.58**	8.1	3	**N/A**	**N/A**	9.1	3
8"	9.05 - 9.62	**202BSD-962-Tap**	**405.58**	8.1	-	**426.88**	**441.53**	9.1	4
** 10"	10.75	**202BSD-1075-Tap**	**502.48**	9.7	-	**N/A**	**N/A**	10.0	-
10"	11.10 - 12.12	**202BSD-1212-Tap**	**502.48**	10.7	3	**551.80**	**562.90**	11.4	3
** 12"	12.75	**202BSD-1275-Tap**	**558.63**	10.8	6	**N/A**	**N/A**	-	-
12"	13.20 - 14.38	**202BSD-1438-Tap**	**558.63**	11.9	-	**630.02**	**641.50**	12.7	2
14"	15.30 - 16.25	**202BSD-1625-Tap**	**756.18**	14.3	3	**756.18**	**756.18**	13.3	-
14"	16.30 - 17.25	**202BSD-1725-Tap**	**805.99**	14.3	2	**805.99**	**805.99**	22.0	-
16"	17.40 - 18.40	**202BSD-1840-Tap**	**853.42**	14.6	2	**853.42**	**853.42**	13.7	-
16"	18.50 - 19.25	**202BSD-1925-Tap**	**853.42**	14.8	-	**853.42**	**853.42**	13.6	-
18"	19.50 - 20.50	**202BSD-2050-Tap**	**983.61**	14.8	2	**983.61**	**983.61**	14.2	2
20"	21.20 - 22.20	**202BSD-2220-Tap**	**1011.94**	15.2	2	**1011.94**	**1011.94**	14.6	2
20"	22.50 - 23.50	**202BSD-2350-Tap**	**1042.47**	15.3	-	**1042.47**	**1042.47**	15.2	-
24"	23.80 - 24.80	**202BSD-2480-Tap**	**1085.99**	15.5	-	**1085.99**	**1085.99**	15.3	-
24"	25.60 - 26.50	**202BSD-2650-Tap**	**1111.08**	16.2	2	**1111.08**	**1111.08**	15.5	2
30"	31.74 - 32.74	**202BSD-3274-Tap**	**1247.19**	17.8	-	**1247.19**	**1247.19**	16.8	2

* These 4" saddles with 2" taps have limited range. For all other tap sizes, use the standard 4.80-5.40 range.

** Available with 3/4" and 1" taps only.

Note: Contact factory for part numbers, pricing and availability of products complying with domestic program requirements.

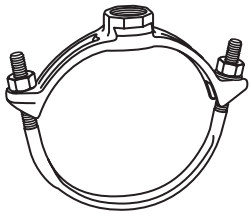
Outlet Tap Code

CC (AWWA) THREAD		FIP THREAD	
Thread	**Code No.**	**Thread**	**Code No.**
3/4" CC	**CC3**	3/4" IP	**IP3**
1" CC	**CC4**	1" IP	**IP4**
1-1/2" CC	**CC6**	1-1/2" IP	**IP6**
2" CC	**CC7**	2" IP	**IP7**

To Order: Select the catalog number for the desired pipe range and complete the catalog number by adding the outlet thread tap code.
Example: A double band saddle for 6.90 C900 PVC pipe with a 3/4" CC thread would be 202BSD-690-CC3.

FORD IRON SERVICE SADDLES

STYLE F101 SINGLE STRAP SADDLE FOR AC AND IRON PIPE

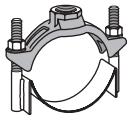


F101
(with standard strap)

Nom. Pipe Size	O.D. Range	Catalog Number	List Price 3/4" & 1" Taps	Ctn. Qty.	Approx. Wt. Lbs.
2"	2.35 - 2.50	**F101-250-Tap**	**$ 40.33**	10	1.8
2-1/2"	2.75 - 2.90	**F101-290-Tap**	**42.87**	10	2.0
3"	3.46 - 3.80	**F101-380-Tap**	**47.79**	6	2.1
	3.80 - 4.25	**F101-425-Tap**	**47.79**	6	2.6
4"	4.26 - 4.80	**F101-480-Tap**	**51.97**	6	2.6
	4.74 - 5.26	**F101-526-Tap**	**51.97**	6	5.2
6"	5.94 - 6.69	**F101-669-Tap**	**58.22**	6	3.5
	6.63 - 6.90	**F101-690-Tap**	**58.22**	6	3.6
	6.84 - 7.60	**F101-760-Tap**	**58.22**	6	3.6
8"	7.93 - 8.71	**F101-871-Tap**	**70.12**	6	4.0
	8.63 - 9.05	**F101-905-Tap**	**70.12**	6	4.1
	8.99 - 9.79	**F101-979-Tap**	**70.12**	6	4.5
10"	10.00 - 10.75	**F101-1075-Tap**	**86.57**	6	4.4
	11.10 - 12.12	**F101-1212-Tap**	**86.57**	4	5.0
12"	12.00 - 12.75	**F101-1275-Tap**	**98.28**	4	4.9
	13.20 - 14.38	**F101-1438-Tap**	**98.28**	4	7.0

Note: Contact factory for part numbers, pricing and availability of products complying with domestic program requirements.

STYLE FC101 SINGLE BAND SADDLES FOR AC AND IRON PIPE



FC101 (epoxy coated with stainless steel band and bolts)

Nom. Pipe Size	O.D. Range	Catalog Number	List Price 3/4" & 1" Taps	List Price 1-1/4", 1-1/2" & 2" Taps	Ctn. Qty.	Approx. Wt. Lbs.
2"	2.35 - 2.50	**FC101-250-Tap**	**$ 92.34**	-	10	2.1
2-1/2"	2.75 - 2.90	**FC101-290-Tap**	**93.94**	-	10	2.3
3"	3.46 - 3.80	**FC101-380-Tap**	**97.80**	-	6	2.4
	3.80 - 4.25	**FC101-425-Tap**	**97.80**	-	6	3.1
4"	4.26 - 4.80	**FC101-480-Tap**	**103.98**	**$ 133.73**	6	3.6
	4.74 - 5.26	**FC101-526-Tap**	**103.98**	**133.73**	-	5.7
	4.50 - 5.40	**FC101-540-Tap**	**103.98**	**133.73**	-	3.6
6"	5.94 - 6.69	**FC101-669-Tap**	**112.65**	-	6	3.9
	6.63 - 6.90	**FC101-690-Tap**	**112.65**	**134.65**	-	3.9
	6.84 - 7.60	**FC101-760-Tap**	**112.65**	-	6	4.0
	6.63 - 7.61	**FC101-761-Tap**	**112.65**	-	6	4.0
8"	7.93 - 8.71	**FC101-871-Tap**	**133.60**	-	6	4.4
	8.63 - 9.05	**FC101-905-Tap**	**133.60**	**152.70**	-	4.4
	8.99 - 9.79	**FC101-979-Tap**	**133.60**	**152.70**	-	4.7
	8.63 - 9.80	**FC101-980-Tap**	**133.60**	**152.70**	-	4.9
10"	10.00 - 10.75	**FC101-1075-Tap**	**148.45**	-	4	4.6
	11.10 - 12.12	**FC101-1212-Tap**	**148.45**	-	4	5.2
	10.64 - 12.13	**FC101-1213-Tap**	**148.45**	-	4	-
12"	12.00 - 12.75	**FC101-1275-Tap**	**171.72**	-	4	5.7
	13.20 - 14.38	**FC101-1438-Tap**	**171.72**	-	4	6.6
	12.62 - 14.39	**FC101-1439-Tap**	**171.72**	-	4	4.7

Note: Contact factory for part numbers, pricing and availability of products complying with domestic program requirements.

STYLE FC101 SINGLE BAND SADDLES SIZED FOR C900 PVC PIPE

FC101 (epoxy coated with stainless steel band and bolts)

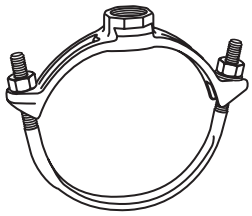
Nom. Pipe Size	O.D. Range	Catalog Number	List Price 3/4" & 1" Taps	List Price 1-1/4", 1-1/2" & 2" Taps	Ctn. Qty.	Approx. Wt. Lbs.
4"	4.80	**FC101-480-Tap**	**$ 103.98**	**$ 133.73**	-	3.6
6"	6.90	**FC101-690-Tap**	**112.65**	**134.65**	-	3.9
8"	9.05	**FC101-905-Tap**	**133.60**	**152.70**	-	4.4
10"	11.10	**FC101-1110-Tap**	**148.45**	-	-	5.2
12"	13.20	**FC101-1320-Tap**	**171.72**	-	4	5.1

OUTLET THREAD TAP CODES ARE LOCATED ON THE PREVIOUS PAGE

To Order: Select the catalog number for the desired pipe range and complete catalog number by adding the outlet thread tap code.
Example: A standard single band saddle for 6.90 ductile iron pipe with a 3/4" CC thread would be F101-760-CC3.

FORD IRON SERVICE SADDLES

IMPORTED - STYLE F101 SINGLE STRAP SADDLE FOR AC AND IRON PIPE

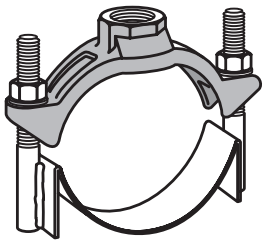


F101
(with standard strap)

Nom. Pipe Size	O.D. Range	Catalog Number	List Price 3/4" & 1" Taps	Ctn. Qty.	Approx. Wt. Lbs.
2"	2.35 - 2.50	**F101-250-Tap-I**	**$ 31.43**	10	1.8
2-1/2"	2.75 - 2.90	**F101-290-Tap-I**	**39.27**	10	2.0
3"	3.46 - 3.80	**F101-380-Tap-I**	**41.85**	6	2.1
	3.80 - 4.25	**F101-425-Tap-I**	**41.85**	6	2.6
4"	4.26 - 4.80	**F101-480-Tap-I**	**43.25**	6	2.8
	4.74 - 5.26	**F101-526-Tap-I**	**43.25**	6	3.1
6"	5.94 - 6.69	**F101-669-Tap-I**	**50.22**	6	3.5
	6.63 - 6.90	**F101-690-Tap-I**	**50.22**	6	3.4
	6.84 - 7.60	**F101-760-Tap-I**	**50.22**	6	3.3
8"	7.93 - 8.71	**F101-871-Tap-I**	**60.72**	-	3.8
	8.63 - 9.05	**F101-905-Tap-I**	**60.72**	6	3.0
	8.99 - 9.79	**F101-979-Tap-I**	**60.72**	6	4.0
10"	10.00 - 10.75	**F101-1075-Tap-I**	**76.87**	-	4.6
	11.10 - 12.12	**F101-1212-Tap-I**	**76.87**	1	4.8
12"	12.00 - 12.75	**F101-1275-Tap-I**	**97.58**	-	4.9
	13.20 - 14.38	**F101-1438-Tap-I**	**97.58**	-	6.7

Note: Contact factory for part numbers, pricing and availability of products complying with domestic program requirements.

IMPORTED - FC101 SINGLE BAND SADDLES FOR AC AND IRON PIPE



FC101
(epoxy coated with stainless steel band and bolts)

Nom. Pipe Size	O.D. Range	FC101 Catalog Number	List Price 3/4" & 1" Taps	Ctn. Qty.	Approx. Wt. Lbs.
2"	2.35 - 2.50	**FC101-250-Tap-I**	**$ 96.07**	10	2.1
2-1/2"	2.75 - 2.90	**FC101-290-Tap-I**	**99.87**	-	2.0
3"	3.46 - 3.80	**FC101-380-Tap-I**	**100.99**	6	2.5
	3.80 - 4.25	**FC101-425-Tap-I**	**100.99**	6	3.1
4"	4.26 - 4.80	**FC101-480-Tap-I**	**101.43**	6	3.3
	4.74 - 5.26	**FC101-526-Tap-I**	**101.43**	6	3.6
6"	5.94 - 6.69	**FC101-669-Tap-I**	**111.62**	6	3.5
	6.63 - 6.90	**FC101-690-Tap-I**	**111.62**	6	3.6
	6.84 - 7.60	**FC101-760-Tap-I**	**111.62**	6	3.7
8"	7.93 - 8.71	**FC101-871-Tap-I**	**127.22**	6	3.8
	8.63 - 9.05	**FC101-905-Tap-I**	**127.22**	6	3.1
	8.99 - 9.79	**FC101-979-Tap-I**	**127.22**	6	4.0
10"	10.00 - 10.75	**FC101-1075-Tap-I**	**150.98**	4	4.6
	10.75 - 11.10	**FC101-1110-Tap-I**	**150.98**	4	4.6
	11.10 - 12.12	**FC101-1212-Tap-I**	**150.98**	4	4.5
12"	12.00 - 12.75	**FC101-1275-Tap-I**	**170.36**	4	5.7
	13.20 - 14.38	**FC101-1438-Tap-I**	**170.36**	4	6.3

Note: Contact factory for part numbers, pricing and availability of products complying with domestic program requirements.

IMPORTED - STYLE FC101 SINGLE BAND SADDLES SIZED FOR C900 PVC PIPE DUCTILE IRON SADDLE TOP

FC101 (epoxy coated with stainless steel band and bolts)

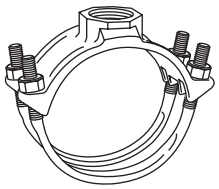
Nom. Pipe Size	PVC O.D.	FC101 Catalog Number	List Price 3/4" & 1" Taps	Ctn. Qty.	Approx. Wt. Lbs.
4"	4.80	**FC101-480-Tap-I**	**$ 101.43**	6	3.3
6"	6.90	**FC101-690-Tap-I**	**111.62**	6	3.6
8"	9.05	**FC101-905-Tap-I**	**127.22**	6	3.1
10"	11.10	**FC101-1110-Tap-I**	**150.98**	1	4.8
12"	13.20	**FC101-1320-Tap-I**	**170.36**	4	6.7

OUTLET THREAD TAP CODES ARE LOCATED ON THE FOLLOWING PAGE

To Order: Select the catalog number for the desired pipe range and complete catalog number by adding the outlet thread tap code.
Example: A standard single band saddle for 6.90 ductile iron pipe with a 3/4" CC thread would be F101-760-CC3-I.

FORD IRON SERVICE SADDLES (CONTINUED)

STYLE F202 DOUBLE STRAP SADDLES FOR AC AND IRON PIPE - (with standard straps)



Nom. Pipe Size	O.D. Range	Catalog Number	List Price 3/4" & 1" Taps	Ctn. Qty.	List Price 1-1/4" - 2-1/2" Taps	Ctn. Qty.	Approx. Wt. Lbs.
2"	2.35 - 2.50	**F202-250-Tap**	**$ 53.54**	8	-	-	2.9
2-1/2"	2.75 - 2.90	**F202-290-Tap**	**59.69**	8	-	-	2.8
3"	* 3.46 - 3.80	**F202-380-Tap**	**64.27**	6	**$ 78.33**	6	5.0
	* 3.80 - 4.25	**F202-425-Tap**	**82.17**	6	**96.23**	6	6.2
4"	** 4.26 - 4.80	**F202-480-Tap**	**68.54**	6	**87.54**	6	5.0
	▲4.74 - 5.00	**F202-500-Tap**	-	-	**87.54**	6	5.4
	* 4.74 - 5.26	**F202-526-Tap**	**68.54**	6	**87.54**	6	5.1
	▲4.97 - 5.26	**F202-526-Tap**	-	-	**87.54**	6	5.1
6"	5.94 - 6.69	**F202-669-Tap**	**84.54**	4	**102.98**	4	5.8
	6.63 - 6.90	**F202-690-Tap**	**84.54**	4	**102.98**	4	6.1
	6.84 - 7.60	**F202-760-Tap**	**84.54**	4	**102.98**	4	6.4
8"	7.93 - 8.71	**F202-871-Tap**	**92.55**	4	**115.48**	4	6.7
	8.63 - 9.05	**F202-905-Tap**	**92.55**	4	**115.48**	4	7.0
	8.99 - 9.79	**F202-979-Tap**	**92.55**	4	**115.48**	4	7.3
10"	10.00 - 10.75	**F202-1075-Tap**	**112.59**	4	**145.28**	4	11.1
	10.75 - 11.10	**F202-1110-Tap**	**112.59**	4	**145.28**	4	11.2
	11.10 - 12.12	**F202-1212-Tap**	**112.59**	4	**145.28**	4	11.7
12"	12.00 - 12.75	**F202-1275-Tap**	**143.08**	2	**181.34**	2	12.5
	12.75 - 13.20	**F202-1320-Tap**	**143.08**	2	**181.34**	2	11.4
	13.20 - 14.38	**F202-1438-Tap**	**143.08**	2	**181.34**	2	11.7
14"	15.30 - 16.25	**F202-1625-Tap**	**168.99**	2	**205.83**	2	15.7
	16.30 - 17.25	**F202-1725-Tap**	**168.99**	2	**205.83**	2	9.5
16"	17.40 - 18.40	**F202-1840-Tap**	**200.57**	2	**248.44**	2	16.6
	18.50 - 19.25	**F202-1925-Tap**	**200.57**	2	**248.44**	2	17.5
18"	19.50 - 20.50	**F202-2050-Tap**	**237.65**	2	**276.52**	2	18.0
20"	21.20 - 22.20	**F202-2220-Tap**	**249.07**	2	**294.80**	2	17.2
	22.50 - 23.50	**F202-2350-Tap**	**249.07**	2	**324.28**	2	16.5
24"	23.80 - 24.80	**F202-2480-Tap**	**260.87**	2	**306.95**	2	17.1
	25.60 - 26.50	**F202-2650-Tap**	**260.87**	2	**306.95**	2	20.4
30"	31.74 - 32.74	**F202-3274-Tap**	**516.19**	1	**561.39**	1	22.8

Note: Contact factory for part numbers, pricing and availability of products complying with domestic program requirements.

* Saddles for this pipe range are not available with 2" CC (CC7) or 2-1/2" IP (IP8) threads.

** These saddles with 2" CC (CC7) or 2-1/2" IP (IP8) taps only fit 4.80" O.D. pipe. Example: F202-480-CC7 fits 4.80" pipe O.D. only.

▲ This saddle is only available with 2" CC (CC7) or 2-1/2" IP (IP8) taps.

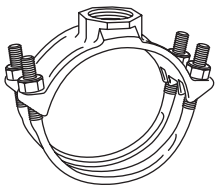
OUTLET THREAD TAP CODE

CC (AWWA) THREAD		FIP THREAD	
Thread	**Code No.**	**Thread**	**Code No.**
3/4" CC	**CC3**	3/4" IP	**IP3**
1" CC	**CC4**	1" IP	**IP4**
1-1/4" CC	**CC5**	1-1/4" IP	**IP5**
1-1/2" CC	**CC6**	1-1/2" IP	**IP6**
2" CC	**CC7**	2" IP	**IP7**
-	-	2-1/2" IP	**IP8**

To Order: Select the catalog number for the desired pipe range and complete catalog number by adding the outlet thread tap code.
Example: A standard double strap saddle for 6.90 ductile iron pipe with a 3/4" CC thread would be F202-760-CC3.

FORD IRON SERVICE SADDLES (CONTINUED)

STYLE F202 DOUBLE STRAP SADDLES FOR AC AND IRON PIPE
IMPORTED DUCTILE IRON SADDLE TOP



Nominal Pipe Size	O.D. Range	Catalog Number	List Price 3/4" & 1" Taps	Ctn. Qty.	List Price 1-1/4" - 2-1/2" Taps	Ctn. Qty.	Approx. Wt. Lbs.
2"	2.35 - 2.50	**F202-250-Tap-I**	**$ 46.98**	8	-	-	3.0
2.5"	2.75 - 2.90	**F202-290-Tap-I**	**56.32**	8	-	-	2.8
3"	* 3.46 - 3.80	**F202-380-Tap-I**	**56.70**	6	**$ 77.59**	6	5.3
	* 3.80 - 4.25	**F202-425-Tap-I**	**76.68**	6	**88.10**	6	5.5
4"	* 4.26 - 4.80	**F202-480-Tap-I**	**61.03**	6	**81.91**	6	5.0
	* 4.74 - 5.26	**F202-526-Tap-I**	**61.03**	6	**81.91**	6	5.4
6"	* 5.94 - 6.69	**F202-669-Tap-I**	**68.61**	4	**87.60**	4	5.7
	* 6.63 - 6.90	**F202-690-Tap-I**	**68.61**	4	**87.60**	4	6.4
	* 6.84 - 7.60	**F202-760-Tap-I**	**68.61**	4	**87.60**	4	6.4
8"	7.93 - 8.71	**F202-871-Tap-I**	**84.54**	4	-	4	9.2
	8.63 - 9.05	**F202-905-Tap-I**	**77.31**	4	**106.88**	4	9.2
	8.99 - 9.79	**F202-979-Tap-I**	**77.31**	4	**106.88**	4	9.7
10"	10.00 - 10.75	**F202-1075-Tap-I**	**112.96**	4	**143.08**	4	9.4
	10.75 - 11.10	**F202-1110-Tap-I**	**104.07**	4	**143.66**	4	11.0
	11.10 - 12.12	**F202-1212-Tap-I**	**104.07**	4	**143.66**	4	10.8
12"	12.00 - 12.75	**F202-1275-Tap-I**	**144.17**	2	**175.80**	2	11.0
	12.75 - 13.20	**F202-1320-Tap-I**	**131.54**	2	**169.80**	2	9.7
	13.20 - 14.38	**F202-1438-Tap-I**	**131.54**	2	**169.80**	2	9.7

* Saddles for this pipe range are not available with 2" CC (CC7) or 2-1/2" IP (IP8) threads.

Note: Contact factory for part numbers, pricing and availability of products complying with domestic program requirements.

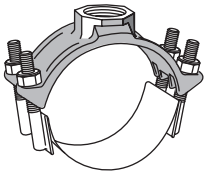
OUTLET THREAD TAP CODE

CC (AWWA) THREAD		FIP THREAD	
Thread	**Code No.**	**Thread**	**Code No.**
3/4" CC	**CC3**	3/4" IP	**IP3**
1" CC	**CC4**	1" IP	**IP4**
1-1/4" CC	**CC5**	1-1/4" IP	**IP5**
1-1/2" CC	**CC6**	1-1/2" IP	**IP6**
2" CC	**CC7**	2" IP	**IP7**
-	-	2-1/2" IP	**IP8**

To Order: Select the catalog number for the desired pipe range and complete catalog number by adding the outlet thread tap code.
Example: A standard double strap saddle for 6.90 ductile iron pipe with a 3/4" CC thread would be F202-760-CC3-I.

FORD IRON SERVICE SADDLES (CONTINUED)

STYLE FC202 DOUBLE BAND SADDLES FOR AC AND IRON PIPE
(epoxy coated, with stainless steel band and bolts)



Nom. Pipe Size	O.D. Range	Catalog Number	List Price 3/4" & 1" Taps	Ctn. Qty.	List Price 1-1/4" - 2-1/2" Taps	Ctn. Qty.	Approx. Wt. Lbs.
2"	2.35 - 2.50	**FC202-250-Tap**	**$ 137.92**	8	**N/A**	-	3.6
2-1/2"	2.75 - 2.90	**FC202-290-Tap**	**138.20**	8	**N/A**	-	3.4
3"	* 3.46 - 3.80	**FC202-380-Tap**	**153.05**	-	**$ 165.81**	6	5.6
	* 3.80 - 4.25	**FC202-425-Tap**	**160.81**	6	**173.62**	6	7.3
4"	** 4.26 - 4.80	**FC202-480-Tap**	**153.67**	6	**169.84**	6	6.1
	▲4.74 - 5.00	**FC202-500-Tap**	-	-	**169.84**	-	5.4
	* 4.74 - 5.26	**FC202-526-Tap**	**153.67**	-	**169.84**	6	6.2
	▲4.97 - 5.26	**FC202-526-Tap**	-	-	**169.84**	6	6.2
	4.50 - 5.40	**FC202-540-Tap**	**153.67**	-	**169.84**	-	6.1
6"	5.94 - 6.69	**FC202-669-Tap**	**178.44**	-	**192.55**	3	6.6
	6.63 - 6.90	**FC202-690-Tap**	**178.44**	4	**192.55**	3	6.7
	6.84 - 7.60	**FC202-760-Tap**	**178.44**	4	**192.55**	3	7.1
	6.63 - 7.61	**FC202-761-Tap**	**178.44**	-	**192.55**	-	7.8
8"	7.93 - 8.71	**FC202-871-Tap**	**204.53**	4	**220.01**	3	7.2
	8.63 - 9.05	**FC202-905-Tap**	**204.53**	4	**220.01**	3	7.4
	8.99 - 9.79	**FC202-979-Tap**	**204.53**	4	**220.01**	3	7.6
	8.63 - 9.80	**FC202-980-Tap**	**204.53**	-	**220.01**	-	8.4
10"	10.00 - 10.75	**FC202-1075-Tap**	**246.95**	3	**268.87**	3	9.5
	10.75 - 11.10	**FC202-1110-Tap**	**246.95**	3	**268.87**	3	11.6
	11.10 - 12.12	**FC202-1212-Tap**	**246.95**	3	**268.87**	3	12.1
	10.64 - 12.13	**FC202-1213-Tap**	**246.95**	-	**268.87**	-	10.8
12"	12.00 - 12.75	**FC202-1275-Tap**	**256.94**	2	**289.17**	2	12.3
	12.75 - 13.20	**FC202-1320-Tap**	**256.94**	2	**289.17**	2	10.8
	13.20 - 14.38	**FC202-1438-Tap**	**256.94**	2	**289.17**	2	11.0
	12.62 - 14.39	**FC202-1439-Tap**	**256.94**	-	**289.17**	-	12.8
14"	15.30 - 16.25	**FC202-1625-Tap**	**272.35**	2	**316.18**	2	15.2
	16.30 - 17.25	**FC202-1725-Tap**	**272.35**	2	**316.18**	2	15.4
16"	17.40 - 18.40	**FC202-1840-Tap**	**326.14**	2	**360.76**	2	15.7
	18.50 - 19.25	**FC202-1925-Tap**	**326.14**	2	**360.76**	2	16.7
18"	19.50 - 20.50	**FC202-2050-Tap**	**378.37**	2	**413.59**	2	16.9
20"	21.20 - 22.20	**FC202-2220-Tap**	**414.90**	2	**495.75**	2	15.7
	22.50 - 23.50	**FC202-2350-Tap**	**414.90**	2	**495.75**	2	16.0
24"	23.80 - 24.80	**FC202-2480-Tap**	**463.04**	2	**516.67**	2	13.4
	25.60 - 26.50	**FC202-2650-Tap**	**463.04**	2	**516.67**	2	18.2
30"	31.74 - 32.74	**FC202-3274-Tap**	**649.20**	2	**692.88**	2	19.5

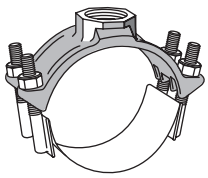
Note: Contact factory for part numbers, pricing and availability of products complying with domestic program requirements.

* Saddles for this pipe range are not available with 2" CC (CC7) or 2-1/2" IP (IP8) threads.

** These saddles with 2" CC (CC7) or 2-1/2" IP (IP8) taps only fit 4.80" O.D. pipe. Example: FC202-480-CC7 fits 4.80" pipe O.D. only.

▲This saddle is only available with 2" CC (CC7) or 2-1/2" IP (IP8) taps.

IMPORTED - STYLE FC202 DOUBLE BAND SADDLES FOR AC AND IRON PIPE
(Epoxy coated, with stainless steel band and bolts)



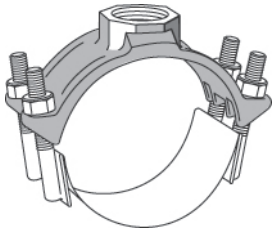
Nom. Pipe Size	O.D. Range	Catalog Number	List Price 3/4" & 1" Taps	Ctn. Qty.	List Price 1-1/4" - 2-1/2" Taps	Ctn. Qty.	Approx. Wt. Lbs.
2"	2.35 - 2.50	**FC202-250-Tap-I**	**$ 122.56**	8	**N/A**	-	3.2
2-1/2"	2.75 - 2.90	**FC202-290-Tap-I**	**128.22**	8	**N/A**	-	4.7
3"	* 3.46 - 3.80	**FC202-380-Tap-I**	**128.57**	-	**$ 166.47**	6	4.8
	* 3.80 - 4.25	**FC202-425-Tap-I**	**166.02**	6	**176.69**	6	7.9
4"	* 4.26 - 4.80	**FC202-480-Tap-I**	**130.59**	6	**178.30**	6	6.0
	* 4.74 - 5.26	**FC202-526-Tap-I**	**130.59**	6	**178.30**	6	5.4
	4.50 - 5.40	**FC202-540-Tap-I**	**130.59**	-	**178.30**	-	5.4
6"	5.94 - 6.69	**FC202-669-Tap-I**	**150.13**	4	**184.97**	3	4.8
	6.63 - 6.90	**FC202-690-Tap-I**	**150.13**	4	**184.97**	3	6.4
	6.84 - 7.60	**FC202-760-Tap-I**	**150.13**	4	**184.97**	3	8.5
	6.63 - 7.61	**FC202-761-Tap-I**	**150.13**	-	**184.97**	-	7.8
8"	7.93 - 8.71	**FC202-871-Tap-I**	**211.54**	4	**227.19**	3	7.9
	8.63 - 9.05	**FC202-905-Tap-I**	**175.42**	4	**218.93**	3	7.0
	8.99 - 9.79	**FC202-979-Tap-I**	**175.42**	4	**218.93**	3	9.5
	8.63 - 9.80	**FC202-980-Tap-I**	**175.42**	-	**218.93**	-	8.5
10"	10.00 - 10.75	**FC202-1075-Tap-I**	**252.41**	3	**265.26**	3	9.5
	10.75 - 11.10	**FC202-1110-Tap-I**	**212.66**	3	**266.57**	3	11.0
	11.10 - 12.12	**FC202-1212-Tap-I**	**212.66**	3	**266.57**	3	13.6
	10.64 - 12.13	**FC202-1213-Tap-I**	**212.66**	-	**266.57**	-	10.8
12"	12.00 - 12.75	**FC202-1275-Tap-I**	**287.39**	2	**291.01**	2	11.0
	12.75 - 13.20	**FC202-1320-Tap-I**	**249.49**	2	**284.12**	2	9.9
	13.20 - 14.38	**FC202-1438-Tap-I**	**249.49**	2	**284.12**	2	11.6
	12.62 - 14.39	**FC202-1439-Tap-I**	**249.49**	-	**284.12**	-	12.8

* Saddles for this pipe range are not available with 2" CC (CC7) or 2-1/2" IP (IP8) threads.
See previous page for outlet tap codes.

FORD IRON SERVICE SADDLES FOR C900 PVC PIPE

STYLE FC202 DOUBLE BAND SADDLES SIZED FOR C900 PVC

(epoxy coated, with stainless steel band and bolts)

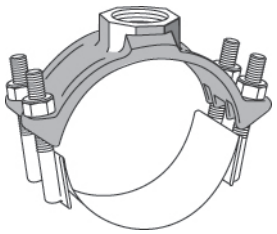


Nom. Pipe Size	PVC O.D.	Catalog Number	List Price 3/4" & 1" Taps	Ctn. Qty.	List Price 1-1/4" - 2-1/2" Taps	Ctn. Qty.	Approx. Wt. Lbs.
4"	4.80	**FC202-480-Tap**	**$ 153.67**	6	**$ 169.84**	6	6.1
6"	6.90	**FC202-690-Tap**	**178.44**	4	**192.55**	3	6.7
8"	9.05	**FC202-905-Tap**	**204.53**	4	**220.01**	3	7.4
10"	11.10	**FC202-1110-Tap**	**246.95**	3	**268.87**	3	11.6
12"	13.20	**FC202-1320-Tap**	**256.94**	2	**289.17**	2	10.8
14"	15.30	**FC202-1530-Tap**	**272.35**	2	**316.18**	2	15.2
16"	17.40	**FC202-1740-Tap**	**326.14**	2	**360.76**	2	15.7
18"	19.50	**FC202-1950-Tap**	**378.37**	2	**413.59**	2	16.9
20"	21.60	**FC202-2160-Tap**	**414.90**	2	**495.75**	2	15.7
24"	25.80	**FC202-2580-Tap**	**463.04**	2	**516.67**	2	18.2
30"	32.00	**FC202-3200-Tap**	**649.20**	2	**692.88**	2	19.5

Note: Contact factory for part numbers, pricing and availability of products complying with domestic program requirements.

STYLE FC202 DOUBLE BAND SADDLES SIZED FOR STEEL SIZED PVC

(epoxy coated, with stainless steel band and bolts)



Nom. Pipe Size	Pipe O.D.	Catalog Number	List Price 3/4" & 1" Taps	Ctn. Qty.	List Price 1-1/4" - 2-1/2" Taps	Ctn. Qty.	Approx. Wt. Lbs.
3"	*3.50	**FC202-350-Tap**	**$ 153.05**	-	**$ 153.24**	-	5.6
4"	*4.50	**FC202-450-Tap**	**153.67**	6	**169.84**	6	6.0
6"	6.63	**FC202-663-Tap**	**178.44**	4	**192.55**	3	6.5
8"	8.63	**FC202-863-Tap**	**204.53**	-	**220.01**	-	6.4
10"	10.75	**FC202-1075-Tap**	**246.95**	3	**268.87**	3	11.4
12"	12.75	**FC202-1275-Tap**	**256.94**	2	**289.17**	2	12.3

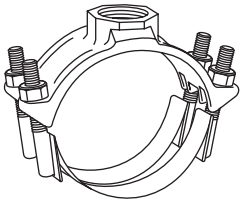
* Saddles for this pipe range are not available with 2" CC (CC7) or 2-1/2" IP (IP8) threads.

Note: Contact factory for part numbers, pricing and availability of products complying with domestic program requirements.

OUTLET THREAD TAP CODE

CC (AWWA) THREAD		FIP THREAD	
Thread	**Code No.**	**Thread**	**Code No.**
3/4" CC	**CC3**	3/4" IP	**IP3**
1" CC	**CC4**	1" IP	**IP4**
1-1/4" CC	**CC5**	1-1/4" IP	**IP5**
1-1/2" CC	**CC6**	1-1/2" IP	**IP6**
2" CC	**CC7**	2" IP	**IP7**
-	-	2-1/2" IP	**IP8**

STYLE FCD202 DUAL BAND SADDLES
(epoxy coated with dual stainless steel band and bolts)

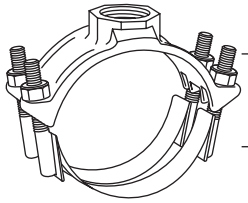


Nom. Pipe Size	Pipe O.D. Range	Catalog Number	List Price 3/4" & 1" Taps	Ctn. Qty.	List Price 1-1/4" - 2-1/2" Taps	Ctn. Qty.	Approx. Wt. Lbs.
2"	2.35 - 2.50	**FCD202-250-Tap**	**$ 148.31**	8	**N/A**	-	3.7
2-1/2"	2.75 - 2.90	**FCD202-290-Tap**	**148.61**	8	**N/A**	-	2.8
3"	* 3.46 - 3.80	**FCD202-380-Tap**	**164.57**	6	**$ 178.32**	6	5.6
	* 3.80 - 4.25	**FCD202-425-Tap**	**172.94**	6	**186.69**	6	7.2
4"	** 4.26 - 4.80	**FCD202-480-Tap**	**165.22**	6	**181.94**	6	6.1
	▲4.74 - 5.00	**FCD202-500-Tap**	-	-	**181.94**	-	5.4
	* 4.74 - 5.26	**FCD202-526-Tap**	**165.22**	6	**181.94**	6	6.1
	▲4.97 - 5.26	**FCD202-526-Tap**	-	-	**181.94**	6	6.1
	4.50 - 5.40	**FCD202-540-Tap**	**165.22**	-	**181.94**	-	6.1
6"	5.94 - 6.69	**FCD202-669-Tap**	**191.85**	4	**207.04**	3	6.6
	6.63 - 6.90	**FCD202-690-Tap**	**191.85**	4	**207.04**	3	6.7
	6.84 - 7.60	**FCD202-760-Tap**	**191.85**	4	**207.04**	3	7.0
	6.63 - 7.61	**FCD202-761-Tap**	**191.85**	-	**207.04**	-	6.0
8"	7.93 - 8.71	**FCD202-871-Tap**	**219.92**	4	**236.57**	3	7.0
	8.63 - 9.05	**FCD202-905-Tap**	**219.92**	4	**236.57**	3	7.3
	8.99 - 9.79	**FCD202-979-Tap**	**219.92**	4	**236.57**	3	7.6
	8.63 - 9.80	**FCD202-980-Tap**	**219.92**	-	**236.57**	-	8.3
10"	10.00 - 10.75	**FCD202-1075-Tap**	**265.54**	3	**289.12**	-	11.4
	10.75 - 11.10	**FCD202-1110-Tap**	**265.54**	3	**289.12**	3	11.5
	11.10 - 12.12	**FCD202-1212-Tap**	**265.54**	3	**289.12**	3	12.0
	10.64 - 12.13	**FCD202-1213-Tap**	**265.54**	-	**289.12**	-	10.8
12"	12.00 - 12.75	**FCD202-1275-Tap**	**276.29**	2	**310.94**	2	11.0
	12.75 - 13.20	**FCD202-1320-Tap**	**276.29**	2	**310.94**	2	9.6
	13.20 - 14.38	**FCD202-1438-Tap**	**276.29**	2	**310.94**	2	10.9
	12.62 - 14.39	**FCD202-1439-Tap**	**276.29**	-	**310.94**	-	7.4
14"	15.30 - 16.25	**FCD202-1625-Tap**	**292.86**	2	**340.01**	-	16.6
	16.30 - 17.25	**FCD202-1725-Tap**	**292.86**	2	**340.01**	2	12.9
16"	17.40 - 18.40	**FCD202-1840-Tap**	**350.68**	2	**387.93**	2	15.4
	18.50 - 19.25	**FCD202-1925-Tap**	**350.68**	2	**387.93**	2	12.8
18"	19.50 - 20.50	**FCD202-2050-Tap**	**406.81**	2	**444.72**	2	16.7
20"	21.20 - 22.20	**FCD202-2220-Tap**	**446.13**	2	**533.08**	2	15.6
	22.50 - 23.50	**FCD202-2350-Tap**	**446.13**	-	**533.08**	-	13.3
24"	23.80 - 24.80	**FCD202-2480-Tap**	**497.90**	-	**555.54**	-	13.4
	25.60 - 26.50	**FCD202-2650-Tap**	**497.90**	2	**555.54**	2	18.0
30"	31.74 - 32.74	**FCD202-3274-Tap**	**699.84**	2	**745.05**	2	19.6

* Saddles for this pipe range are **not** available with 2" CC (CC7) or 2-1/2" IP (IP8) threads.
** These saddles with 2" CC (CC7) or 2-1/2" IP (IP8) taps only fit 4.80" O.D. pipe.
Example: FCD202-480-CC7 fits 4.80" pipe O.D. only.
▲This saddle is only available with 2" CC (CC7) or 2-1/2" IP (IP8) threads.

Note: Contact factory for part numbers, pricing and availability of products complying with domestic program requirements.

IMPORTED - STYLE FCD202 DUAL BAND SADDLES
(epoxy coated with dual stainless steel bands and bolts)



Nom. Pipe Size	Pipe O.D. Range	Catalog Number	List Price 3/4" & 1" Taps	Ctn. Qty.	List Price 1-1/4" - 2-1/2" Taps	Ctn. Qty.	Approx. Wt. Lbs.
2"	2.35 - 2.50	**FCD202-250-Tap-I**	**$ 122.56**	8	**N/A**	-	2.8
2-1/2"	2.75 - 2.90	**FCD202-290-Tap-I**	**128.22**	8	**N/A**	-	2.8
3"	* 3.46 - 3.80	**FCD202-380-Tap-I**	**128.57**	6	**$ 166.47**	6	5.6
	* 3.80 - 4.25	**FCD202-425-Tap-I**	**166.02**	6	**176.69**	6	5.5
4"	* 4.26 - 4.80	**FCD202-480-Tap-I**	**130.59**	6	**178.30**	6	6.1
	* 4.74 - 5.26	**FCD202-526-Tap-I**	**130.59**	-	**178.30**	6	5.4
	4.50 - 5.40	**FCD202-540-Tap-I**	**130.59**	6	**178.30**	6	6.1
6"	5.94 - 6.69	**FCD202-669-Tap-I**	**150.13**	4	**184.97**	3	5.7
	6.63 - 6.90	**FCD202-690-Tap-I**	**150.13**	4	**184.97**	3	6.7
	6.84 - 7.60	**FCD202-760-Tap-I**	**150.13**	4	**184.97**	3	6.0
	6.63 - 7.61	**FCD202-761-Tap-I**	**150.13**	4	**184.97**	3	6.0
8"	7.93 - 8.71	**FCD202-871-Tap-I**	**211.54**	4	**227.51**	4	9.2
	8.63 - 9.05	**FCD202-905-Tap-I**	**175.42**	4	**218.93**	3	9.2
	8.99 - 9.79	**FCD202-979-Tap-I**	**175.42**	4	**218.93**	3	8.3
	8.63 - 9.80	**FCD202-980-Tap-I**	**175.42**	4	**218.93**	3	8.3
10"	10.00 - 10.75	**FCD202-1075-Tap-I**	**252.41**	3	**265.26**	-	9.4
	10.75 - 11.10	**FCD202-1110-Tap-I**	**212.66**	3	**266.57**	3	11.0
	11.10 - 12.12	**FCD202-1212-Tap-I**	**212.66**	3	**266.57**	3	15.3
	10.64 - 12.13	**FCD202-1213-Tap-I**	**212.66**	3	**266.57**	3	12.5
12"	12.00 - 12.75	**FCD202-1275-Tap-I**	**287.39**	2	**291.01**	2	11.0
	12.75 - 13.20	**FCD202-1320-Tap-I**	**249.49**	2	**284.12**	2	9.6
	13.20 - 14.38	**FCD202-1438-Tap-I**	**249.49**	2	**284.12**	2	12.8
	12.62 - 14.39	**FCD202-1439-Tap-I**	**249.49**	2	**284.12**	2	12.8

* Saddles for this pipe range are not available with 2" CC (CC7) or 2-1/2" IP (IP8) threads.

Note: Contact factory for part numbers, pricing and availability of products complying with domestic program requirements.

OUTLET THREAD TAP CODE

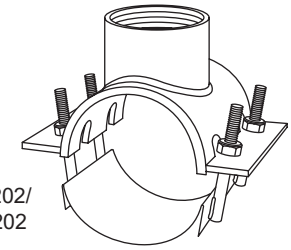
CC (AWWA) THREAD		FIP THREAD	
Thread	Code No.	Thread	Code No.
3/4" CC	**CC3**	3/4" IP	**IP3**
1" CC	**CC4**	1" IP	**IP4**
1-1/4" CC	**CC5**	1-1/4" IP	**IP5**
1-1/2" CC	**CC6**	1-1/2" IP	**IP6**
2" CC	**CC7**	2" IP	**IP7**
-	-	2-1/2" IP	**IP8**

FORD FABRICATED SERVICE SADDLES

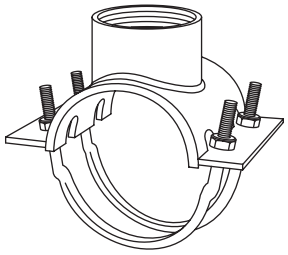
STYLE F202, FS202 AND FC202 STEEL SADDLES FOR 3" AND 4" TAPS

Fabricated steel saddles are specifically designed and manufactured for applications requiring a 3" and 4" iron pipe service tap. These products are available with a stainless steel band or with zinc plated C1010 steel straps. Ford Fabricated Steel Saddles have a 150 PSI working pressure rating, dependent upon the use of industry standard support and backfill practices.

Ford recommends special fabricated FTS tapping sleeves that are available with a tapped outlet for air release or vacuum valve applications above 150 PSI. Contact Ford Meter Box Customer Service for more information.



Style FS202/ FC202

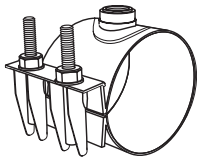


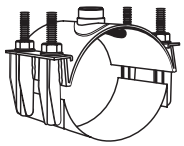
Style F202

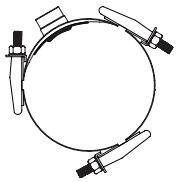
Nom. Pipe Size	Actual Pipe O.D.	Tap Size	Steel Straps Catalog Number	List Price	Epoxy Coated Catalog Number	List Price	Stainless Band Catalog Number	List Price	Ctn. Qty.	Approx. Wt. Lbs.
6"	6.00	3"	**F202-600-IP9**	**$ 445.13**	**FC202-600-IP9**	**$ 549.57**	**FS202-600-IP9**	**$ 494.66**	1	17.8
	6.00	4"	**F202-600-IP11**	**467.33**	**FC202-600-IP11**	**571.76**	**FS202-600-IP11**	**521.21**	1	14.4
	6.63	3"	**F202-663-IP9**	**397.43**	**FC202-663-IP9**	**549.57**	**FS202-663-IP9**	**494.66**	1	17.8
	6.63	4"	**F202-663-IP11**	**417.26**	**FC202-663-IP11**	**571.76**	**FS202-663-IP11**	**521.21**	1	14.4
	6.90	3"	**F202-690-IP9**	**445.13**	**FC202-690-IP9**	**549.57**	**FS202-690-IP9**	**494.66**	1	19.5
	6.90	4"	**F202-690-IP11**	**417.26**	**FC202-690-IP11**	**571.76**	**FS202-690-IP11**	**521.21**	1	16.0
8"	8.00	3"	**F202-800-IP9**	**489.59**	**FC202-800-IP9**	**623.59**	**FS202-800-IP9**	**551.01**	1	16.6
	8.00	4"	**F202-800-IP11**	**511.80**	**FC202-800-IP11**	**642.27**	**FS202-800-IP11**	**593.44**	1	16.2
	8.63	3"	**F202-863-IP9**	**437.13**	**FC202-863-IP9**	**623.59**	**FS202-863-IP9**	**566.05**	1	19.6
	8.63	4"	**F202-863-IP11**	**456.97**	**FC202-863-IP11**	**642.27**	**FS202-863-IP11**	**593.44**	1	16.2
	9.05	3"	**F202-905-IP9**	**437.13**	**FC202-905-IP9**	**623.59**	**FS202-905-IP9**	**566.05**	1	22.1
	9.05	4"	**F202-905-IP11**	**456.97**	**FC202-905-IP11**	**642.27**	**FS202-905-IP11**	**593.44**	1	18.6
10"	10.00	3"	**F202-1000-IP9**	**534.10**	**FC202-1000-IP9**	**730.58**	**FS202-1000-IP9**	**649.92**	1	18.0
	10.00	4"	**F202-1000-IP11**	**556.32**	**FC202-1000-IP11**	**752.76**	**FS202-1000-IP11**	**678.62**	1	19.1
	10.75	3"	**F202-1075-IP9**	**476.90**	**FC202-1075-IP9**	**730.58**	**FS202-1075-IP9**	**667.63**	1	32.5
	10.75	4"	**F202-1075-IP11**	**496.68**	**FC202-1075-IP11**	**752.76**	**FS202-1075-IP11**	**697.13**	1	18.8
	11.10	3"	**F202-1110-IP9**	**476.90**	**FC202-1110-IP9**	**730.58**	**FS202-1110-IP9**	**667.63**	1	22.4
	11.10	4"	**F202-1110-IP11**	**496.68**	**FC202-1110-IP11**	**752.76**	**FS202-1110-IP11**	**697.13**	1	19.0
12"	12.00	3"	**F202-1200-IP9**	**516.54**	**FC202-1200-IP9**	**789.56**	**FS202-1200-IP9**	**726.63**	1	22.5
	12.00	4"	**F202-1200-IP11**	**600.73**	**FC202-1200-IP11**	**819.07**	**FS202-1200-IP11**	**756.14**	1	19.1
	12.75	3"	**F202-1275-IP9**	**516.54**	**FC202-1275-IP9**	**789.56**	**FS202-1275-IP9**	**726.63**	1	23.0
	12.75	4"	**F202-1275-IP11**	**536.35**	**FC202-1275-IP11**	**819.07**	**FS202-1275-IP11**	**756.14**	1	19.6
	13.20	3"	**F202-1320-IP9**	**516.54**	**FC202-1320-IP9**	**789.56**	**FS202-1320-IP9**	**726.63**	1	23.2
	13.20	4"	**F202-1320-IP11**	**536.35**	**FC202-1320-IP11**	**819.07**	**FS202-1320-IP11**	**756.14**	1	19.8
14"	14.00	3"	**N/A**	-	**FC202-1400-IP9**	**868.94**	**FS202-1400-IP9**	**785.67**	1	23.5
	14.00	4"	**N/A**	-	**FC202-1400-IP11**	**898.43**	**FS202-1400-IP11**	**815.19**	1	20.0
	15.30	3"	**N/A**	-	**FC202-1530-IP9**	**868.94**	**FS202-1530-IP9**	**785.67**	1	24.1
	15.30	4"	**N/A**	-	**FC202-1530-IP11**	**898.43**	**FS202-1530-IP11**	**815.19**	1	20.7
16"	16.00	3"	**N/A**	-	**FC202-1600-IP9**	**956.22**	**FS202-1600-IP9**	**844.66**	1	24.1
	16.00	4"	**N/A**	-	**FC202-1600-IP11**	**964.32**	**FS202-1600-IP11**	**852.75**	1	20.7
	17.40	3"	**N/A**	-	**FC202-1740-IP9**	**956.22**	**FS202-1740-IP9**	**844.66**	1	24.3
	17.40	4"	**N/A**	-	**FC202-1740-IP11**	**964.32**	**FS202-1740-IP11**	**852.75**	1	20.9
	17.80	3"	**N/A**	-	**FC202-1780-IP9**	**956.22**	**FS202-1780-IP9**	**844.66**	1	24.6
	17.80	4"	**N/A**	-	**FC202-1780-IP11**	**964.32**	**FS202-1780-IP11**	**852.75**	1	21.2
18"	18.00	3"	**N/A**	-	**FC202-1800-IP9**	**964.28**	**FS202-1800-IP9**	**873.96**	1	24.6
	18.00	4"	**N/A**	-	**FC202-1800-IP11**	**965.38**	**FS202-1800-IP11**	**899.50**	1	21.2
	19.50	3"	**N/A**	-	**FC202-1950-IP9**	**964.28**	**FS202-1950-IP9**	**873.96**	1	25.0
	19.50	4"	**N/A**	-	**FC202-1950-IP11**	**965.38**	**FS202-1950-IP11**	**899.50**	1	21.6
20"	20.00	3"	**N/A**	-	**FC202-2000-IP9**	**987.11**	**FS202-2000-IP9**	**903.37**	1	25.3
	20.00	4"	**N/A**	-	**FC202-2000-IP11**	**1023.49**	**FS202-2000-IP11**	**932.94**	1	21.9
	21.60	3"	**N/A**	-	**FC202-2160-IP9**	**987.11**	**FS202-2160-IP9**	**903.37**	1	25.7
	21.60	4"	**N/A**	-	**FC202-2160-IP11**	**1023.49**	**FS202-2160-IP11**	**935.11**	1	22.3
24"	24.00	3"	**N/A**	-	**FC202-2400-IP9**	**1052.81**	**FS202-2400-IP9**	**962.40**	1	26.6
	24.00	4"	**N/A**	-	**FC202-2400-IP11**	**1086.07**	**FS202-2400-IP11**	**991.87**	1	23.2
	25.80	3"	**N/A**	-	**FC202-2580-IP9**	**1052.81**	**FS202-2580-IP9**	**962.40**	1	27.1
	25.80	4"	**N/A**	-	**FC202-2580-IP11**	**1086.07**	**FS202-2580-IP11**	**991.87**	1	23.7
30"	30.00	3"	**N/A**	-	**FC202-3000-IP9**	**1219.87**	**FS202-3000-IP9**	**1139.43**	1	28.4
	30.00	4"	**N/A**	-	**FC202-3000-IP11**	**1249.40**	**FS202-3000-IP11**	**1168.96**	1	25.0
	32.00	3"	**N/A**	-	**FC202-3200-IP9**	**1219.87**	**FS202-3200-IP9**	**1139.43**	1	29.0
	32.00	4"	**N/A**	-	**FC202-3200-IP11**	**1249.40**	**FS202-3200-IP11**	**1168.96**	1	25.5

Note: Contact factory for part numbers, pricing and availability of products complying with domestic program requirements.

STYLE FS300 STAINLESS STEEL SADDLES







FS313 SINGLE BAND

Nom. Pipe Size	Catalog Number	O.D. Range	Bolt Size	No. of Sections	Band Width		List Price		Approx. Weights	
					1/2" - 1"	1-1/4" - 2"	1/2" - 1" TAPS	1-1/4" - 2" TAPS	1/2"- 1" TAPS	1-1/4" - 2" TAPS
2"	FS313-213-TAP	2.13	1/2"	1	6"	-	$ 105.42	-	1.9	-
	FS313-238-TAP	2.38	1/2"	1	6"	-				
	FS313-248-TAP	2.48	1/2"	1	6"	-				
	FS313-270-TAP	2.50 - 2.70	1/2"	1	6"	-				
2-1/2"	FS313-288-TAP	2.88	1/2"	1	6"	-	107.78	-	1.9	-
3"	FS313-313-TAP	3.00 - 3.13	1/2"	1	6"	-	110.31	-	2.2	-
	FS313-325-TAP	3.15 - 3.25	1/2"	1	6"	-				
	*FS313-370-TAP	3.46 - 3.70	1/2"	1	6"	7-1/2"		$ 148.59		3.8
	**FS313-350-TAP	3.50	1/2"	1	6"	7-1/2"				
	*FS313-380-TAP	3.80	1/2"	1	6"	7-1/2"				
	*FS313-410-TAP	3.90 - 4.10	1/2"	1	6"	7-1/2"				
4"	FS313-480-TAP	4.50 - 4.80	1/2"	1	6"	7-1/2"	126.44	251.02	3.3	3.9
	FS313-520-TAP	4.80 - 5.20	1/2"	1	6"	7-1/2"				
5"	FS313-556-TAP	5.56	5/8"	1	6"	7-1/2"	129.29	252.40	4.4	4.8
6"	FS313-640-TAP	6.00 - 6.40	5/8"	1	6"	7-1/2"	180.91	258.33	4.7	5.1
	FS313-680-TAP	6.40 - 6.80	5/8"	1	6"	7-1/2"				
	FS313-690-TAP	6.63 - 6.90	5/8"	1	6"	7-1/2"				
	FS313-720-TAP	6.80 - 7.20	5/8"	1	6"	7-1/2"				
8"	FS313-840-TAP	8.00 - 8.40	5/8"	1	6"	7-1/2"	183.52	267.25	5.2	5.8
	FS313-880-TAP	8.40 - 8.80	5/8"	1	6"	7-1/2"				
	FS313-905-TAP	8.63 - 9.05	5/8"	1	6"	7-1/2"				
	FS313-940-TAP	9.00 - 9.40	5/8"	1	6"	7-1/2"				
10"	FS313-1040-TAP	10.00 - 10.40	5/8"	1	6"	7-1/2"	223.68	283.77	5.8	8.7
	FS313-1110-TAP	10.75 - 11.10	5/8"	1	6"	7-1/2"				
	FS313-1150-TAP	11.10 - 11.50	5/8"	1	6"	7-1/2"				
12"	FS313-1240-TAP	12.00 - 12.40	5/8"	1	6"	7-1/2"	228.75	298.67	6.4	9.3
	FS313-1320-TAP	12.75 - 13.20	5/8"	1	6"	7-1/2"				
	FS313-1350-TAP	13.10 - 13.50	5/8"	1	6"	7-1/2"				
FS323 DOUBLE BAND										
4"	FS323-554-TAP	4.74 - 5.54	5/8"	2	6"	7-1/2"	$ 187.93	$ 265.94	5.2	5.7
6"	FS323-720-TAP	6.40 - 7.20	5/8"	2	6"	7-1/2"	195.86	273.28	5.1	5.8
8"	FS323-920-TAP	8.40 - 9.20	5/8"	2	6"	7-1/2"	198.46	282.20	6.3	7.8
10"	FS323-1150-TAP	10.70 - 11.50	5/8"	2	6"	7-1/2"	238.59	372.87	7.0	9.0
12"	FS323-1350-TAP	12.70 - 13.50	5/8"	2	6"	7-1/2"	243.69	376.57	9.0	11.0
14"	FS323-1480-TAP	14.00 - 14.80	5/8"	2	6"	7-1/2"	406.75	423.82	10.0	12.0
	FS323-1575-TAP	14.95 - 15.75	5/8"	2	6"	7-1/2"				
	FS323-1640-TAP	15.60 - 16.40	5/8"	2	6"	7-1/2"				
16"	FS323-1655-TAP	15.75 - 16.55	5/8"	2	6"	7-1/2"	427.98	442.07	10.5	12.5
	FS323-1720-TAP	16.40 - 17.20	5/8"	2	6"	7-1/2"				
	FS323-1800-TAP	17.20 - 18.00	5/8"	2	6"	7-1/2"				
18"	FS323-1840-TAP	17.60 - 18.40	5/8"	2	6"	7-1/2"	438.26	459.39	10.5	12.5
	FS323-1880-TAP	18.00 - 18.80	5/8"	2	6"	7-1/2"				
	FS323-1920-TAP	18.40 - 19.20	5/8"	2	6"	7-1/2"				
	FS323-1960-TAP	18.80 - 19.60	5/8"	2	6"	7-1/2"				
	FS323-2000-TAP	19.20 - 20.00	5/8"	2	6"	7-1/2"				
FS333 TRIPLE BAND										
20"	FS333-2260-TAP	21.40 - 22.60	5/8"	3	6"	7-1/2"	$ 483.71	$ 496.34	14.5	17.0
	FS333-2400-TAP	22.80 - 24.00	5/8"	3	6"	7-1/2"				
	FS333-2465-TAP	23.45 - 24.65	5/8"	3	6"	7-1/2"				
24"	FS333-2565-TAP	24.45 - 25.65	5/8"	3	6"	7-1/2"	502.25	543.72	15.5	17.5
	FS333-2670-TAP	25.50 - 26.70	5/8"	3	6"	7-1/2"				
	FS333-2945-TAP	28.25 - 29.45	5/8"	3	6"	7-1/2"				
30"	FS333-3060-TAP	29.40 - 30.60	5/8"	3	6"	7-1/2"	613.19	660.06	17.0	19.5
	FS333-3105-TAP	29.85 - 31.05	5/8"	3	6"	7-1/2"				
	FS333-3205-TAP	30.85 - 32.05	5/8"	3	6"	7-1/2"				
FS343 QUAD BAND										
36"	FS343-3700-TAP	35.80 - 37.00	5/8"	4	6"	7-1/2"	$ 776.70	$ 823.58	21.0	24.0
	FS343-3870-TAP	37.50 - 38.70	5/8"	4	6"	7-1/2"				

2"-12" approved for use on HDPE. If Belleville washers are desired, add "P" to the catalog number, and see HDPE price book for pricing information. Example: FSP313-690-CC3

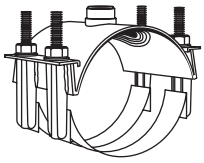
* CC7 not available for this size.

** CC6, CC7 and IP7 not available for this size.

Note: Coined outlet not available on 2" and 3" saddles.

Note: Contact factory for part numbers, pricing and availability of products complying with domestic program requirements.

STYLE FRS202 DUAL BAND STAINLESS REPAIR SADDLES



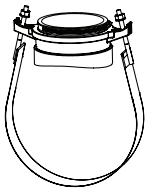
Nom. Pipe Size	O.D. Range	Catalog Number	List Price		Approx. Wt. Lbs.
			1/2" - 1"	1-1/4" - 2"	
4"	4.75 - 5.35	**FRS202-535-Tap**	**$ 266.81**	**$ 318.12**	7.4
6"	6.85 - 7.60	**FRS202-760-Tap**	**282.11**	**333.69**	7.8
8"	9.00 - 9.79	**FRS202-979-Tap**	**291.99**	**342.78**	8.3
10"	11.00 - 11.80	**FRS202-1180-Tap**	**306.32**	**357.71**	8.7
	11.50 - 12.25	**FRS202-1225-Tap**			8.8
12"	13.10 - 13.90	**FRS202-1390-Tap**	**320.17**	**369.06**	9.2
	13.60 - 14.40	**FRS202-1440-Tap**			9.3
14"	15.20 - 16.00	**FRS202-1600-Tap**	**354.59**	**392.90**	9.6
16"	17.20 - 18.00	**FRS202-1800-Tap**	**360.13**	**398.56**	9.9
18"	19.20 - 20.00	**FRS202-2000-Tap**	**389.53**	**427.93**	12.0
20"	21.40 - 22.20	**FRS202-2220-Tap**	**396.13**	**434.39**	12.7
24"	23.20 - 24.00	**FRS202-2400-Tap**	**420.80**	**459.16**	13.1
	25.60 - 26.40	**FRS202-2640-Tap**			13.9

Note: Contact factory for part numbers, pricing and availability of products complying with domestic program requirements.

OUTLET THREAD TAP CODE

CC (AWWA) THREAD		FIP THREAD	
Thread	Code No.	Thread	Code No.
-	-	1/2" IP	**IP1**
3/4" CC	**CC3**	3/4" IP	**IP3**
1" CC	**CC4**	1" IP	**IP4**
1-1/4" CC	**CC5**	1-1/4" IP	**IP5**
1-1/2" CC	**CC6**	1-1/2" IP	**IP6**
2" CC	**CC7**	2" IP	**IP7**

STYLE FSS SEWER SADDLES



Catalog Number	Range	Nominal Branch Size	Branch Pipe Range	Approx. Wt. Lbs.	List Price
FSS-1440-4	6.27" - 14.40"	4"	4.20" - 4.80"	10.2	**$ 160.83**
FSS-2580-4	14.40" - 25.80"			10.0	**205.15**
FSS-5080-4	25.80" - 50.80"			9.7	**377.49**
FSS-1440-6	8.00" - 14.40"	6"	6.27" - 6.66"	10.2	**216.65**
FSS-2580-6	14.40" - 25.80"			10.0	**262.60**
FSS-5080-6	25.80" - 50.80"			9.7	**434.93**

FSS SEWER SADDLE COMPONENTS

Nominal Branch Size	Saddle Options		Gasket Options		
	Catalog Number	List Price	Catalog Number	Range	List Price
4"	**FSS-SADDLE-4**	**$ 50.33**	**FSS-GASKET-4-S**	6.27" - 14.40"	**$ 50.58**
			FSS-GASKET-4-M	14.40" - 25.80"	**64.43**
			FSS-GASKET-4-L	25.80" - 50.80"	**69.84**
6"	**FSS-SADDLE-6**	**63.76**	**FSS-GASKET-6-S**	8.00" - 14.40"	**86.85**
			FSS-GASKET-6-L	14.40" - 50.80"	**102.21**

Nominal Branch Size	Stainless Steel Band Options			Adjustable Slide	
	Catalog Number	Range	List Price	Catalog Number	List Price
4" or 6"	**FSS-BAND-1440**	6.27" - 14.40"	**$ 47.77**	**FSS-SLIDE**	**$ 26.65**
	FSS-BAND-2580	14.40" - 25.80"	**71.39**		
	FSS-BAND-5080	25.80" - 50.80"	**173.32**		

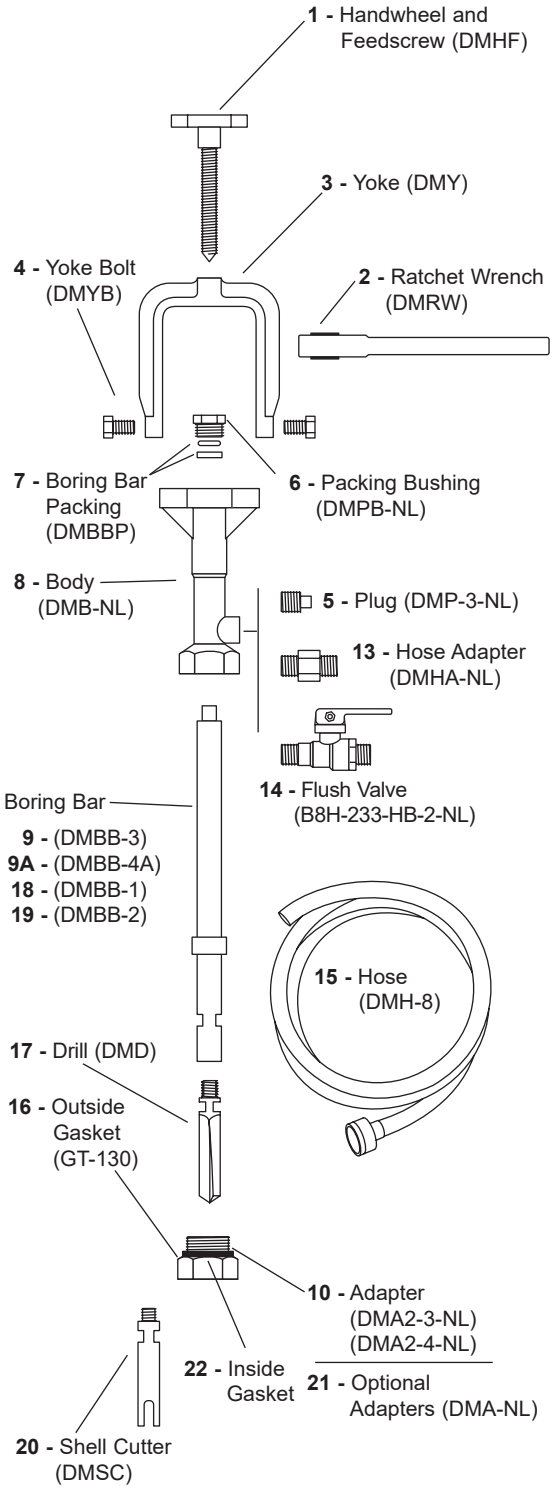
TORQUE WRENCH KIT

Catalog Number	Approx. Wt. Lbs.	List Price
TORQ-KIT	19	**$ 1117.79**

TORQUE WRENCH KIT REPLACEMENT COMPONENTS

Catalog Number	Approx. Wt. Lbs.	List Price
TORQ-SOCKET-875-XD	1.1	**$ 130.25**
TORQ-SOCKET-938-XD	1.6	**131.86**
TORQ-SOCKET-1-063-XD	1.6	**142.42**
TORQ-SOCKET-1-125-XD	2.4	**152.57**
TORQ-SOCKET-1-25-XD	2.4	**158.09**
TORQ-SOCKET-1-5-XD	2.7	**177.98**

FORD MODEL 77 DRILLING MACHINE



DRILLING MACHINE KITS

Catalog Number	Description	List Price
DMO-NL	Model 77 Drilling Machine Body Only (items 1 thru 8) (10 lbs.)	**$ 1179.78**
DMO-1-9A-NL	Model 77 Drilling Machine Only (items 1 thru 9A)	**2100.79**
DMK-1-12A-NL	Model 77 Drilling Machine Complete Kit (items 1 thru 12) (36 lbs.)	**2611.93**

DRILLING MACHINE COMPONENTS

Ref. No.	Description	Catalog Number	List Price
1	Handwheel and Feedscrew	DMHF	$ 114.74
2	Ratchet Wrench	DMRW	590.21
3	Yoke	DMY	130.27
4	Yoke Bolts (2)	DMYB	14.35 pr.
5	Plug (3/4" iron pipe thread)	DMP-3-NL	20.84
6	Packing Bushing	DMPB-NL	14.03
7	Boring Bar Packing	DMBBP	7.21
8	Body	DMB-NL	288.11
9	3/4" Boring Bar Only (fits 11/16" drill and shell cutter for 3/4" corp stop)	DMBB-3	439.11
9A	1" Boring Bar Only (fits 7/8" drill and shell cutter for 1" corp stop)	DMBB-4A	481.91
10	3/4" Flare Copper Adapter with Gaskets	DMA2-3-NL	73.61
	1" Flare Copper Adapter with Gaskets	DMA2-4-NL	73.61
11	Open End Adjustable Wrenches (2) 1 each of 8" and 10"	DMAW-PR	147.23 pr.
12	Tool Box	DMTB	216.69

OPTIONAL ITEMS

-	Drilling Machine Ratchet Wrench Repair Kit	DMRWRK	$ 196.52
13	Hose Adapter for Chip Flushing	DMHA-NL	21.69
14	Ball Valve with Hose Threads for Chip Flushing	B8H-233-HB-2-NL	164.00
15	8 ft. Hose for Chip Flushing	DMH-8	49.89
16	Outside Gasket for All Corp Stop Adapters	GT-130	5.84
17	7/16" Drill for 1/2" Corp Stop (fits boring bar DMBB-1)	DMD-1	404.24
	9/16" Drill for 5/8" Corp Stop (fits boring bar DMBB-2)	DMD-2	404.24
	11/16" Drill for 3/4" Corp Stop (fits boring bar DMBB-3)	DMD-3	404.24
	7/8" Drill for 1" Corp Stop (fits boring bar DMBB-4A)	DMD-4A	466.20
18	Boring Bar for 7/16" Drill for 1/2" Corp Stop	DMBB-1	461.40
19	Boring Bar for 9/16" Drill for 5/8" Corp Stop	DMBB-2	475.99
20	7/16" Shell Cutter for PVC (fits boring bar DMBB-1)	DMSC-1	425.14
	11/16" Shell Cutter for PVC (fits boring bar DMBB-3)	DMSC-3	425.14
	7/8" Shell Cutter for PVC (fits boring bar DMBB-4A)	DMSC-4A	455.53
21	1/2" Flare Copper Adapter with Gaskets	DMA2-1-NL	70.95
	5/8" Flare Copper Adapter with Gaskets	DMA2-2-NL	90.83
	*1-1/4" Flare Copper Adapter with Gaskets	* DMA2-5-NL	126.74
	3/4" Female Iron Pipe Adapter with Gaskets	DMA1-3-NL	90.83
	1" Female Iron Pipe Adapter with Gaskets	DMA1-4-NL	90.83
	*1-1/4" Female Iron Pipe Adapter with Gaskets	* DMA1-5-NL	114.45
	*1-1/4" Quick Joint Adapter with Gaskets (CTS)	* DMA4-5-Q-NL	144.48
	3/4" Quick Joint Adapter with Gaskets (PEP)	DMA6-3-Q-NL	84.61
	1" Quick Joint Adapter with Gaskets (PEP)	DMA6-4-Q-NL	133.25
22	Inside Gasket for 1/2" Flare Copper Adapter	GT-106	3.24
	Inside Gasket for 5/8" Flare Copper Adapter	GT-107	3.24
	Inside Gasket for 3/4" Flare Copper Adapter	GT-118	0.65
	Inside Gasket for 1" Flare Copper Adapter	GT-119	3.24
	Inside Gasket for 1-1/4" Flare Copper Adapter	GT-147	3.40
	Inside Gasket for 3/4" Iron Pipe Adapter	GT-114	0.62
	Inside Gasket for 1" Iron Pipe Adapter	GT-120	0.64
	Inside Gasket for 1-1/4" Iron Pipe Adapter	GT-119	3.24

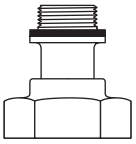
Note: 1-1/4", 1-1/2" and 2" adapters, cutters and boring bar options on following page.

* For use with 7/8" (1" nominal) drill or shell cutter. See following page for 1-1/4" nominal cutters and adapters.

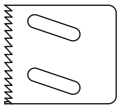
1-1/4", 1-1/2" AND 2" OPTIONS FOR MODEL 77

The Ford Model 77 Drilling Machine's lightweight design and size makes it ideal for making taps up to 1". However, the Model 77 can be adapted for 1-1/4", 1-1/2" and 2" taps. The following items will allow for OCCASIONAL taps for 1-1/4", 1-1/2" and 2". Please note that the Model 77 Drilling Machine is not recommended for making ROUTINE taps larger than 1".

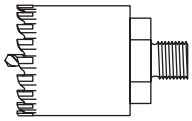
To make an 1-1/4", 1-1/2" or 2" tap the following items are required: - DMA adapter for corp being used
- DMBB-67 boring bar
- DMSC shell cutters (1-1/8", 1-3/8" or 1-7/8") or DMD-5-DI (1-1/8") or for 2" DMHS hole saw (1-7/8") and DMA-67 arbor



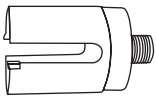
DMA1-7-NL Adapter



DMHS-7 Hole Saw



DMSC-6-DI Shell Cutter



DMSC-6-PVC Shell Cutter

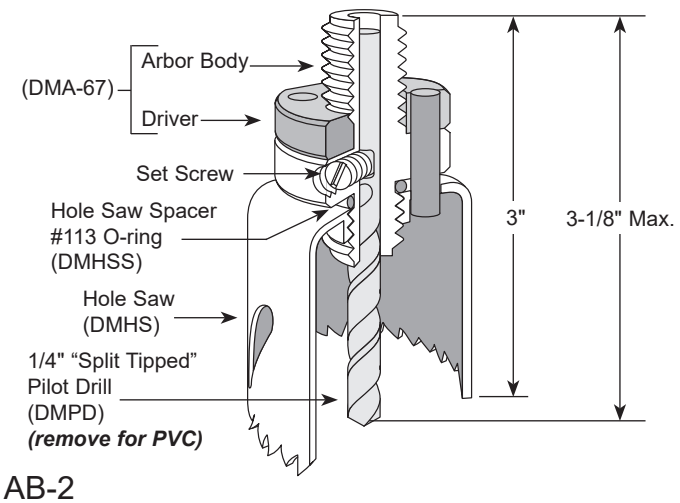


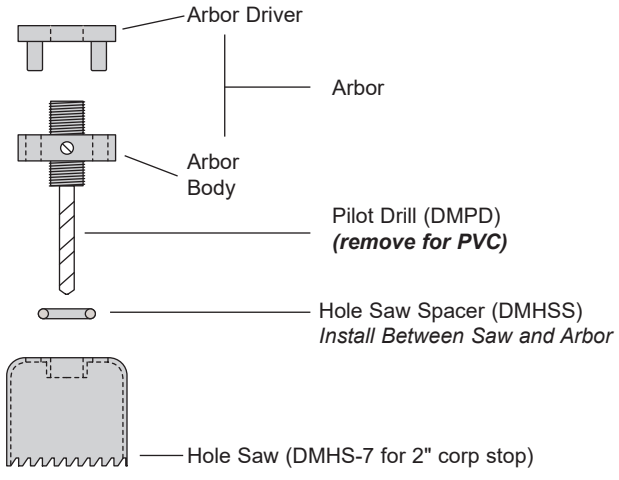
GT-143 Inside Gasket

Catalog Number	Description	List Price
	ADAPTERS	
*DMA1-5F-SS	1-1/4" Adapter with 1-1/4" FIP Threads for Use with FB400-5-NL and FB500-5-NL Corp Stops	$ 662.39
DMA1-6-NL	1-1/2" FIP Adapter with Gaskets for Use with FB400-6-NL and FB500-6-NL	202.31
*DMA2-5F-SS	1-1/4" Adapter with 1-1/4" FIP Threads for Use with FB600-5-NL and FB700-5-NL Corp Stops	805.80
DMA2-6-NL	1-1/2" Flare Copper Adapter with Gaskets for Use with FB600-6-NL and FB700-6-NL	202.31
*DMA2-6F-SS	1-1/4" Adapter with 1-1/2" Flare Copper Threads for Use with FB1001-5-NL and FB1101-5-NL Corp Stops	P.O.A.
*DMA4-5F-Q-SS	1-1/4" Quick Joint Adapter with Gaskets (use with 1-1/8" drill or shell cutter)	1010.04
DMA4-6-Q-NL	1-1/2" Quick Joint Adapter with Gaskets	202.31
DMA1-67-NL	1-1/2" Adapter with 2" FIP Threads for Use with 1-1/2" FB800-6-NL and FB900-6-NL Corp Stops	202.31
DMA1-7-NL	2" FIP Adapter with Gaskets for Use with FB400-7-NL and FB500-7-NL	248.71
DMA2-7-NL	2" Flare Copper Adapter with Gaskets for Use with FB600-7-NL and FB700-7-NL	248.71
DMA4-7-Q-NL	2" Quick Joint Adapter with Gaskets	248.71
DMA4-7-Q-MR-SS	2" CTS Quick Joint Adapter with Gaskets (for longer Mueller corp stop)	P.O.A.
DMA1-78-NL	2" Adapter with 2-1/2" FIP Threads for Use with 2" FB800-7-NL and FB900-7-NL Corp Stops	248.71
DMA8-6-SS	1-1/2" Adapter with 1-1/2" MIP Threads for Use with 1-1/2" FB1600-6-NL and FB1700-6-NL Corp Stop	698.22
DMA8-6-BSPT-SS	1-1/2" Adapter with 1-1/2" MIP BSPT Threads	P.O.A.
DMA8-7-SS	2" Adapter with 2" MIP Threads for Use with 2" FB1600-7-NL and FB1700-7-NL Corp Stop	776.24
DMA8-7-BSPT-SS	2" Adapter with 2" MIP BSPT Threads	P.O.A.
	DRILLS	
DMD-5-DI	1-1/8" Drill for 1-1/4" Corp Stop (fits boring bar DMBB-67)	642.98
	HOLE SAWS	
DMHS-7	1-7/8" Hole Saw for 2" Corp Stop (fits arbor DMA-67)	175.50
DMHSS	Package of 6 Hole Saw Spacers	46.81
DMA-67	Arbor Only for Use with Boring Bar DMBB-67 (includes DMPD pilot drill and DMHSS spacer)	352.00
	SHELL CUTTERS	
DMSC-5-PVC	1-1/8" Shell Cutter for 1-1/4" Corp Stop (fits boring bar DMBB-67)	712.53
DMSC-6-DI	1-3/8" Shell Cutter for Ductile Iron Pipe, 1-1/2" Corp Stop (fits boring bar DMBB-67) Includes Pilot Drill	680.91
DMSC-6-PVC	1-3/8" Shell Cutter for PVC Pipe, 1-1/2" Corp Stop (fits boring bar DMBB-67)	601.92
DMSC-7-DI	1-7/8" Shell Cutter for Ductile Iron Pipe, 2" Corp Stop (fits boring bar DMBB-67) Includes Pilot Drill	765.09
DMSC-7-PVC	1-7/8" Shell Cutter for PVC Pipe, 2" Corp Stop (fits boring bar DMBB-67)	699.39
	BORING BAR AND PILOT DRILL	
DMBB-67	Boring Bar for 1-1/4", 1-1/2" and 2" Corp Stops	711.86
DMPD	1/4" Pilot Drill for Use with DMA-67 Arbor, DMSC-6-DI or DMSC-7-DI	31.22
	ADAPTER GASKETS	
GT-119	Inside Gasket for DMA6-3-Q-NL Adapter	3.24
GT-126	Inside Gasket for DMA4-6-Q-NL Adapter	4.75
GT-127	Inside Gasket for DMA4-7-Q-NL Adapter	5.40
GT-128	Inside Gasket for DMA6-4-Q-NL Adapter	5.25
GT-132	Inside Gasket for DMA2-7-NL and DMA1-78-NL Adapters	7.43
GT-143	Inside Gasket for DMA2-6-NL and DMA1-67-NL Adapters	9.47
GT-142	Inside Gasket for DMA1-6-NL Adapter	9.47
GT-144	Inside Gasket for DMA1-7-NL Adapter	9.47

Note: 1-7/8" hole saws require a DMA-67 arbor. 1-1/8", 1-3/8" and 1-7/8" shell cutters attach to the DMBB-67 boring bar.
* To be used only with DMBB-67 boring bar, DMD-5-DI drill and DMSC-5-PVC shell cutter.

Example of an Optional DMA-67 Arbor - (for hole saws only)





DRILLING MACHINE OPTION SELECTION CHARTS

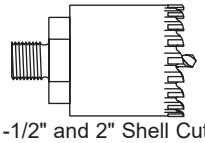
Select **ONE** item from **EACH** of the three charts below to determine which cutting tool, adapter and boring bar is needed for a particular drilling requirement.

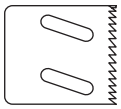
CUTTING TOOLS

To select a cutting tool, choose the proper column for type of water main, then select nominal hole size. The proper cutting tool catalog number is in the far left column.


1/2" - 1-1/4" Drill


3/4", 1" and 1-1/4" Shell Cutter


1-1/2" and 2" Shell Cutter for Ductile Iron


2" Hole Saw

Catalog Number	Description	Actual Cutter Diameter	Type of Water Main (Nominal Hole Size)			
			PVC	Iron	Asbestos Cement	**HDPE
DMD-1	Drill	7/16"		1/2"	1/2"	-
DMD-2	Drill	9/16"		5/8"	5/8"	-
DMD-3	Drill	11/16"		3/4"	3/4"	-
DMD-4A	Drill	7/8"		1"	1"	-
DMD-5-DI	Drill	1-1/8"		1-1/4"	1-1/4"	-
DMSC-1	Shell Cutter	7/16"	1/2"			1/2"
DMSC-3	Shell Cutter	11/16"	3/4"			3/4"
DMSC-4A	Shell Cutter	7/8"	1"			1"
DMSC-5-PVC	Shell Cutter	1-1/8"	1-1/4"		1-1/4"	1-1/4"
DMSC-6-DI	Shell Cutter	1-3/8"		1-1/2"		-
DMSC-6-PVC	Shell Cutter	1-3/8"	1-1/2"		1-1/2"	1-1/2"
DMSC-7-DI	Shell Cutter	1-7/8"		2"		-
DMSC-7-PVC	Shell Cutter	1-7/8"	2"		2"	2"
• **DMHS-7**	Hole Saw	1-7/8"	-	2"	2"	-

• Requires DMA-67 Drilling Machine Adapter
** HDPE max wall thickness DMSC-1; DMSC-3=1"; DMSC-4A=1-1/8"; DMSC-5-PVC=1-1/2"; DMSC-6-PVC; DMSC-7-PVC=1-11/16"

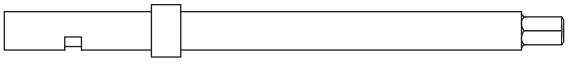
ADAPTERS

To select an adapter, choose the proper column for corporation body outlet thread type (see section A to determine a corporation body outlet thread type and size). The catalog number for the proper adapter is in the far left column.

Catalog Number	Corporation Body Outlet Thread Type and Size				Inside Gasket or O-Ring
	Flare Copper Thread	Male Iron Pipe Threads	Special Quick Joint Thread	Female Iron Pipe Threads	
DMA2-1-NL	1/2"				GT-106
DMA2-2-NL	5/8"				GT-107
****DMA2-3-NL**	3/4"				GT-118
****DMA2-4-NL**	1"				GT-119
†DMA2-5-NL	1-1/4"				GT-147
DMA2-6-NL	1-1/2"				GT-143
DMA2-7-NL	2"				GT-132
DMA1-3-NL		3/4"			GT-114
DMA1-4-NL		1"			GT-120
†DMA1-5-NL		1-1/4" (F/FB800-4 and F/FB900-4)			GT-119
DMA1-5F-SS		1-1/4" (F/FB400-4 and F/FB500-4)			ORING-650220-EP
DMA1-6-NL		1-1/2"			GT-142
DMA1-67-NL		2" (FB800-6/FB900-6)			GT-143
DMA1-7-NL		2"			GT-144
DMA1-78-NL		2-1/2" (FB800-7/FB900-7)			GT-132
DMA2-5F-SS	1-1/4"				GT-147
DMA2-6F-SS	1-1/2"				GT-143
†DMA4-5-Q-NL			1-1/4" CTS		GT-128
DMA4-5F-Q-SS			1-1/4" CTS		GT-138
DMA4-6-Q-NL			1-1/2" CTS		GT-126
DMA4-7-Q-NL			2" CTS		ORING-GT-127
DMA4-7-Q-MR-SS			2" CTS		GT-127
DMA6-3-Q-NL			3/4" PEP		GT-119
DMA6-4-Q-NL			1" PEP		GT-128
DMA8-6-SS				1-1/2" (1-1/2" FB1600/FB1700 Ballcorps)	ORING-650223-BN
DMA8-7-SS				2" (2" FB1600/FB1700 Ballcorps)	ORING-650227-BN

BORING BARS

Select the boring bar that corresponds to the cutting tool(s) that meet your drilling requirements. The catalog number for the proper boring bar is in the far left column.



Catalog Number	Corresponding Cutting Tools
DMBB-1	DMD-1, DMSC-1
DMBB-2	DMD-2
▲ ** **DMBB-3**	DMD-3, DMSC-3
▲ ** **DMBB-4A**	DMD-4A, DMSC-4A
DMBB-67	DMSC-6-DI, DMSC-6-PVC, DMSC-7-DI, DMSC-7-PVC, DMD-5-DI, DMSC-5-PVC
DMBB-67	DMHS-7
* **DMA-67**	DMHS-7

NOTES:
* DMA-67 (drilling machine arbor) is required only for 2" hole saw, DMHS-7.
** This item is included in the complete drilling machine kit, **catalog number DMK-1-12A-NL**.
▲ This item is included in the drilling machine only, **catalog number DMO-1-9A-NL**.
† For use with 7/8" (1" nominal) drill or shell cutter.

DRILLING MACHINE ADAPTERS

Table of Recommended Drill Sizes

(for installation of corporation stops in service clamps or saddles with a drilling machine)

Corporation Stop Size	1/2"	5/8"	5/8" x 3/4"	3/4"	3/4" x 1"	1"	1-1/4"	1-1/2"	2"
Maximum Drill Size for Stop with AWWA Thread Inlet	7/16"	9/16"	9/16"	11/16"	11/16"	15/16"	1-3/16"	1-7/16"	1-7/8"
Maximum Drill Size for Stop with Iron Pipe Thread Inlet	7/16"	-	-	11/16"	11/16"	7/8"	1-3/16"	1-7/16"	1-7/8"

Recommended Drilling Machine Adapters

Size	Ford Corporation Number	Outlet Threads	Mueller		Romac	Ridgid	Reed	Ford	
			E-4 & E-5	D-4 & D-5	Tapmate Too	MLT3401	DM1100	Model 77	Simtap
1/2"	F1000	1/2" Fl. Copper	63796	-	-	-	-	DMA2-1-NL	-
5/8" x 3/4"	F1000	3/4" Fl. Copper	52019	37902	351-05-506	92097	08423	DMA2-3-NL	SIMDMA2-3
3/4"	F (or FB) 1000, 1100								
3/4"	F (or FB) 1001, 1101, 1002, 1102	1" Fl. Copper	36750	37903	351-05-508	92102	08424	DMA2-4-NL	SIMDMA2-4
3/4" x 1"	F (or FB) 1000, 1100								
1"	F (or FB) 1000, 1100								
3/4" x 1"	F1001, 1101, 1002, 1102	1-1/4" Fl. Copper	45385	37904	351-05-510	92107	-	DMA2-5-NL	SIMDMA2-5
1"	F (or FB) 1001, 1101, 1002, 1102								
1" x 1-1/4"	F (or FB) 1000, 1100								
1-1/4"	FB1000, 1100								
	FB1001, 1101, 1002, 1102								
1-1/4" x 1-1/2"	FB1000, 1100	1-1/2" Fl. Copper	501947	37905	351-05-512	92112	08425	DMA2-6-NL	SIMDMA2-6
1-1/2"	FB1000, 1100, 1002, 1102								
	FB1001, 1101	2" Fl. Copper	508201	37906	351-05-516	92117	08426	DMA2-7-NL	**See Note
1-1/2" x 2"	FB1000, 1100								
2"	FB1000, 1100								
	FB1001, 1101, 1002, 1102								
Special Adapters									
3/4"	F (or FB) 1001-3-Q, 1101-3-Q	Special Thread	508919	508917	-	-	08423	DMA6-3-Q-NL	SIMDMA6-3-Q
1"	F (or FB) 1001-4-Q, 1101-4-Q		508920	508918	-	-	08424	DMA6-4-Q-NL	SIMDMA6-4-Q
1-1/4"	FB1000-5-Q, 1100-5-Q		-	-	-	-	-	*DMA4-5F-Q-SS	SIMDMA4-5-Q
1-1/2"	FB1000-6-Q, 1100-6-Q		501949	507644	351-05-712	92157	08431	DMA4-6-Q-NL	SIMDMA4-6-Q
2"	FB1000-7-Q, 1100-7-Q		508199	507645	351-05-716	92162	08432	DMA4-7-Q-NL	SIMDMA4-7-Q

* Requires DMBB-67 boring bar.

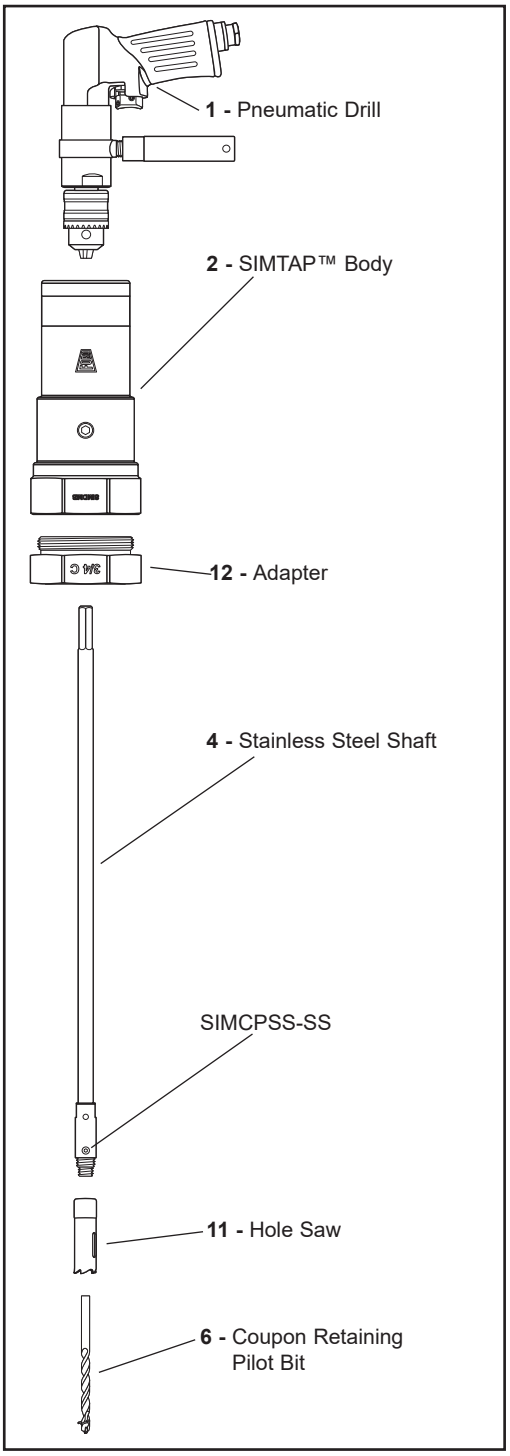
** Use the SIMTAP™ drilling machine body without an adapter.

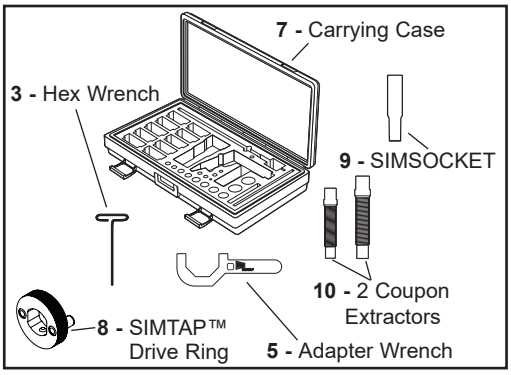
Recommended Tapping Machine Adapters

Size	Ford Corporation Number	Outlet Threads	Mueller			Reed	Ridgid
			B-100 & B-101	B	A-2 & A-3	TM100	MLT3401
5/8" x 3/4"	F1000	3/4" Fl. Copper	680600	680600	680600	98423	92182
3/4"	F (or FB) 1000, 1100						
3/4"	F (or FB) 1001, 1101, 1002, 1102	1" Fl. Copper	680601	680601	680601	98424	92187
3/4" x 1"	F (or FB) 1000, 1100						
1"	F (or FB) 1000, 1100						
3/4" x 1"	F1001, 1101, 1002, 1102	1-1/4" Fl. Copper	680602	-	680602	-	-
1"	F (or FB) 1001, 1101, 1002, 1102						
1" x 1-1/4"	F (or FB) 1000, 1100						
1-1/4"	FB1000, 1100						
	FB1001, 1101, 1002, 1102	1-1/2" Fl. Copper	-	-	88640	-	-
1-1/4" x 1-1/2"	FB1000, 1100						
1-1/2"	FB1000, 1100, 1002, 1102						
	FB1001, 1101	2" Fl. Copper	-	-	88641	-	-
1-1/2" x 2"	FB1000, 1100						
2"	FB1000, 1100						
	FB1001, 1101, 1002, 1102						
Special Adapters							
3/4"	F (or FB) 1001-3-Q, 1101-3-Q	Special Thread	680688	-	-	98423	-
1"	F (or FB) 1001-4-Q, 1101-4-Q		680689	-	680689	98424	-
1-1/2"	FB1000-6-Q, 1100-6-Q		-	-	680421	-	-
2"	FB1000-7-Q, 1100-7-Q		-	-	680422	-	-

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

THE FORD SIMTAP™ DRILLING MACHINE





SIMTAP™ KITS

Catalog Number	Description	List Price
SIMDMK	Complete SIMTAP™ Drilling Machine Kit with Pneumatic Drill (includes items 1-12) (29.18 lbs.)	$ 5633.58
SIMDMK-LD	The SIMTAP™ Drilling Machine Kit less Pneumatic Drill (includes items 2-12) (25.58 lbs.)	5231.66
SIMDMK-B	The SIMTAP™ Drilling Machine Base Kit (includes items 2-9) (12.90 lbs.)	1915.17

COMPONENT PARTS

Ref. No.	Catalog Number	Description		List Price
1	SIMAD	Pneumatic Drill		$ 440.22
2	SIMDMB	SIMTAP™ Drilling Machine Body with Bleed-Off Port (combination body and 2" flare copper thread adapter)		1355.76
3	SIMHW	Pilot Drill Hex Wrench		23.92
4	SIMDMBB-SS	Stainless Steel Shaft with Dual Arbor		440.22
5	SIMDMAW	Adapter Wrench		248.43
6	SIMDMPD	1/4" Coupon Retaining Pilot Bit		104.95
7	SIMDMTB	SIMTAP™ Drilling Machine Carrying Case		566.60
8	*SIMDRIVE-SS	SIMTAP™ Drive Ring for use with 1-1/2" and 2" Hole Saws		142.37
9	SIMSOCKET	7/16" Socket (1/2" drive) for manual operation		70.46
10	SIMCE1-SS	1/2" Coupon Extractor		84.59
	SIMCE2-SS	5/8" Coupon Extractor		88.12
11	SIMDMHS-3	11/16" Hole Saw		74.39
	SIMDMHS-4	7/8" Hole Saw		75.06
	SIMDMHS-6	1-3/8" Hole Saw		86.51
	SIMDMHS-7	1-7/8" Hole Saw		99.35
12	SIMDMA1-3	3/4" Iron Pipe Thread Adapter	(Red)	464.79
	SIMDMA2-3	3/4" Flare Copper Thread Adapter	(Purple)	464.79
	SIMDMA1-4	1" Iron Pipe Thread Adapter	(Turquoise)	464.79
	SIMDMA2-4	1" Flare Copper Thread Adapter	(Grey)	464.79
	SIMDMA6-4-Q	1" PEP Quick Joint Thread Adapter	(Blue)	464.79
	SIMDMA1-6	1-1/2" Iron Pipe Thread Adapter	(Brown)	464.79
	SIMDMA2-6	1-1/2" Flare Copper Thread Adapter	(Orange)	464.79
	SIMDMA4-6-Q	1-1/2" CTS Quick Joint Thread Adapter	(Green)	464.79
	SIMDMA1-7	2" Iron Pipe Thread Adapter	(Gold)	464.79
	SIMDMA4-7-Q	2" CTS Quick Joint Thread Adapter	(Yellow)	464.79

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

Optional Items

Catalog Number	Description		List Price
SIMDMA6-3-Q	3/4" PEP Quick Joint Thread Adapter	(Aqua)	$ 464.79
SIMDMA1-5	1-1/4" Iron Pipe Thread Adapter	(Black)	464.79
SIMDMA2-5	1-1/4" Flare Copper Thread Adapter	(Pink)	464.79
SIMDMA4-5-Q	1-1/4" CTS Quick Joint Thread Adapter	(Silver)	464.79
SIMDMA1-8	2-1/2" Iron Pipe Thread Adapter	(Silver)	464.79
SIMDMHS-5	1-1/8" Hole Saw		82.63
SIMDMSC-3-PVC	11/16" Shell Cutter for PVC		324.68
SIMDMSC-4-PVC	7/8" Shell Cutter for PVC		357.27
SIMDMSC-5-PVC	1-1/8" Shell Cutter for PVC		408.33
SIMDMSC-6-PVC	1-3/8" Shell Cutter for PVC		451.77
SIMDMSC-7-PVC	1-7/8" Shell Cutter for PVC		519.99
***SIMDMSC-3-PVC-HDPE	11/16" Shell Cutter for PVC or HDPE		436.97
***SIMDMSC-4-PVC-HDPE	7/8" Shell Cutter for PVC or HDPE		458.92
**SIMDMSC-6-PVC-HDPE	1-3/8" Shell Cutter for PVC or HDPE		519.51
**SIMDMSC-7-PVC-HDPE	1-7/8" Shell Cutter for PVC or HDPE		613.57
SIMDMBB-285-SS	Stainless Steel Shaft with Dual Arbor - 28-1/2" Long		688.33
SIMCPSS-SS	Set Screw for Stainless Shaft		1.08
SIMDMPD-5-5	1/4" Coupon Retaining Pilot Bit (5-1/2" long for HDPE)		123.82
SIMDMPD-6	1/4" Coupon Retaining Pilot Bit (6" long for HDPE)		168.13
ORING-650151-EP	SIMTAP Adapter O-Ring		3.43

** Requires 5-1/2" long pilot bit (SIMDMPD-5-5)
*** Requires 6" long pilot bit (SIMDMPD-6)

THE FORD SIMTAP™ OPTION CHARTS

CUTTING TOOLS

To select a cutting tool, choose the proper column for the type of water main, and select the nominal hole size. The proper cutting tool catalog number is in the far left column.

Catalog Number	Description	Corp Stop Size	Type of Water Main (Nominal Hole Size)			
			PVC	Iron	Asbestos Cement	**HDPE
SIMDMHS-3	11/16" Hole Saw	3/4"	–	3/4"	3/4"	–
SIMDMHS-4	7/8" Hole Saw	1"	–	1"	1"	–
SIMDMHS-5	1-1/8" Hole Saw	1-1/4"	–	1-1/4"	1-1/4"	–
SIMDMHS-6	1-3/8" Hole Saw	1-1/2"	–	1-1/2"	1-1/2"	–
SIMDMHS-7	1-7/8" Hole Saw	2"	–	2"	2"	–
SIMDMSC-3-PVC	11/16" Shell Cutter for PVC	3/4"	3/4"	–	3/4"	3/4"
SIMDMSC-4-PVC	7/8" Shell Cutter for PVC	1"	1"	–	1"	1"
SIMDMSC-5-PVC	1-1/8" Shell Cutter for PVC	1-1/4"	1-1/4"	–	1-1/4"	1-1/4"
SIMDMSC-6-PVC	1-3/8" Shell Cutter for PVC	1-1/2"	1-1/2"	–	1-1/2"	1-1/2"
SIMDMSC-7-PVC	1-7/8" Shell Cutter for PVC	2"	2"	–	2"	2"
***SIMDMSC-3-PVC-HDPE**	11/16" Shell Cutter for PVC or HDPE	3/4"	3/4"	–	3/4"	3/4"
***SIMDMSC-4-PVC-HDPE**	7/8" Shell Cutter for PVC or HDPE	1"	1"	–	1"	1"
***SIMDMSC-6-PVC-HDPE**	1-3/8" Shell Cutter for PVC or HDPE	1-1/2"	1-1/2"	–	1-1/2"	1-1/2"
***SIMDMSC-7-PVC-HDPE**	1-7/8" Shell Cutter for PVC or HDPE	2"	2"	–	2"	2"

* Requires the SIMDMPD-5-5 pilot drill bit.
** See tables below when tapping HDPE pipe and choose the appropriate cutter based on wall thickness.
*** Requires the SIMDMPD-6 pilot drill bit

Note: Highlighted cells indicate the need for an HDPE shell cutter (SIMDMSC-x-PVC-HDPE).

HDPE Ductile Iron Pipe Size (PE4710) Wall Thickness

Nom. Size	Avg. OD	DR7	DR9	DR11	DR13.5	DR17	DR21	DR26	DR32.5
4	4.80	0.69	0.53	0.44	0.36	0.28	0.23	0.19	0.15
6	6.90	0.95	0.77	0.63	0.51	0.41	0.33	0.27	0.51
8	9.05	1.29	1.01	0.82	0.67	0.53	0.43	0.35	0.28
10	11.10	1.59	1.23	1.01	0.82	0.65	0.53	0.43	0.34
12	13.20	1.89	1.47	1.20	0.98	0.78	0.63	0.51	0.41
14	15.30	2.19	1.70	1.39	1.13	0.90	0.73	0.59	0.47
16	17.40	2.49	1.93	1.58	1.29	1.02	0.83	0.67	0.54
18	19.50	2.79	2.17	1.77	1.44	1.15	0.93	0.75	0.60
20	21.60	-	2.40	1.96	1.60	1.27	1.03	0.83	0.67
24	25.80	-	2.87	2.35	1.91	1.52	1.23	0.99	0.79
30	32.00	-	-	2.91	2.37	1.88	1.52	1.23	0.99
36	38.30	-	-	-	2.84	2.25	1.82	1.47	1.18
42	44.50	-	-	-	-	2.62	2.12	1.71	1.37
48	50.80	-	-	-	-	2.99	2.42	1.95	1.56

HDPE Steel Pipe Size (PE4710) Wall Thickness

Nom Size	Avg. OD	DR7	DR9	DR11	DR13.5	DR17	DR21	DR26	DR32.5
4	4.50	0.64	0.50	0.41	0.33	0.27	0.21	0.17	0.14
6	6.63	0.95	0.74	0.60	0.49	0.39	0.32	0.26	0.20
8	8.63	1.23	0.96	0.78	0.64	0.51	0.41	0.33	0.27
10	10.75	1.54	1.19	0.98	0.80	0.63	0.51	0.41	0.33
12	12.75	1.82	1.42	1.16	0.94	0.75	0.61	0.49	0.39
14	14.00	2.00	1.56	1.27	1.04	0.82	0.67	0.54	0.43
16	16.00	2.29	1.78	1.46	1.19	0.94	0.76	0.62	0.49
18	18.00	2.57	2.00	1.64	1.33	1.06	0.86	0.69	0.55
20	20.00	2.86	2.22	1.82	1.48	1.18	0.95	0.77	0.62
24	24.00	3.43	2.67	2.18	1.78	1.41	1.14	0.92	0.74
26	26.00	-	2.89	2.36	1.93	1.53	1.24	1.00	0.80
28	28.00	-	3.11	2.55	2.07	1.65	1.33	1.08	0.86
30	30.00	-	3.33	2.73	2.22	1.77	1.43	1.15	0.92
36	36.00	-	-	3.27	2.67	2.12	1.71	1.39	1.11
42	42.00	-	-	-	-	2.47	2.00	1.62	1.29
48	48.00	-	-	-	-	2.82	2.29	1.85	1.48
54	54.00	-	-	-	-	3.18	2.57	2.08	1.62

SIMTAP™ ADAPTERS

To select an adapter, choose the proper column for the corporation body outlet thread type. The catalog number for the proper adapter is in the far left column.

Catalog Number	Description	Color	Wt. Lbs.
SIMDMA1-3	3/4" Iron Pipe Thread Adapter	Red	1.41
SIMDMA1-4	1" Iron Pipe Thread Adapter	Turquoise	1.37
SIMDMA1-5	1-1/4" Iron Pipe Thread Adapter	Black	1.28
SIMDMA1-6	1-1/2" Iron Pipe Thread Adapter	Brown	1.15
SIMDMA1-7	2" Iron Pipe Thread Adapter	Gold	0.92
SIMDMA1-8	2-1/2" Iron Pipe Thread Adapter	Silver	0.89
SIMDMA2-3	3/4" Flare Copper Thread Adapter	Purple	1.41
SIMDMA2-4	1" Flare Copper Thread Adapter	Grey	1.28
SIMDMA2-5	1-1/4" Flare Copper Thread Adapter	Pink	1.24
SIMDMA2-6	1-1/2" Flare Copper Thread Adapter	Orange	0.98
***Use SIMDMB**	2" Flare Copper Thread Adapter	–	–
SIMDMA4-5-Q	1-1/4" CTS Quick Joint Thread Adapter	Silver	1.26
SIMDMA4-6-Q	1-1/2" CTS Quick Joint Thread Adapter	Green	1.09
SIMDMA4-7-Q	2" CTS Quick Joint Thread Adapter	Yellow	0.90
SIMDMA6-3-Q	3/4" PEP Quick Joint Thread Adapter	Aqua	0.90
SIMDMA6-4-Q	1" PEP Quick Joint Thread Adapter	Blue	1.20

* For 2" Flare Copper, use the SIMTAP™ body without an adapter.

The SIMTAP™ is compatible with all Ford Meter Box corporation stops. Consult the factory for adapter compatibility with other available corporation stops.

FORD INSIDE METER SETTINGS

(COPPERHORNS, KORNERHORNS, PLUMBHORNS, DROPHORNS, PRETZELHORNS, BASEMENT RESETTERS AND WALLSETTERS)

SECTION B

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), ordered separately.

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

DH - 2 A-24 - NL

CH44 - 333 - G - NL

CH = Copperhorn - *for new services*
VCH = Valve Copperhorn - *for new services*

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

NO-LEAD

TYPES OF INLETS - OUTLETS (one end – other end)
1 = Female Iron Pipe Thread (double purpose on valve Copperhorns)
2 = Flare Copper Tube Nut
4 = Pack Joint for Plastic or Copper Tube* (CTS)
5 = Pack Joint for Iron Pipe
6 = Pack Joint for PE Pipe
7 = Pack Joint for PVC**/IPS PE Pipe
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

* Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

** Schedule 40 and 80 or DR9 and DR11 IPS PE

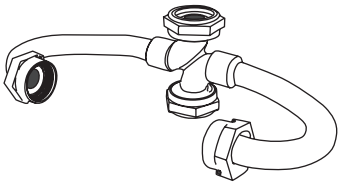
† Dual check valves are available with enhanced chlorine/chloramine resistant components. Add "CR" to the end of the alpha code. Example: KHVBHHCR-x-NL

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 that desired sizes and options are available.

COPPERHORNS

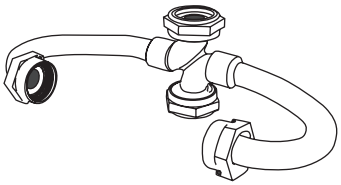
COPPERHORN FOR 5/8" METER



Copperhorn shown with union nuts, less swivels

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	One End	Other End			
CH11-111-NL	1/2" Female Iron Pipe	1/2" Female Iron Pipe	3.0	10	**$ 141.72**
CH11-133-NL	3/4" Female Iron Pipe	3/4" Female Iron Pipe	3.0	10	**141.72**
CH11-133-LS-NL	Less Swivel w/Union Nut	Less Swivel w/Union Nut	2.6	10	**118.62**
CH11-144-NL	1" Female Iron Pipe	1" Female Iron Pipe	4.0	10	**181.42**
CH18-111-NL	1/2" Female Iron Pipe	1/2" Male Iron Pipe	3.2	10	**141.72**
CH18-133-NL	3/4" Female Iron Pipe	3/4" Male Iron Pipe	3.1	10	**141.72**
CH18-134-NL	3/4" Female Iron Pipe	1" Male Iron Pipe	3.2	-	**148.95**
CH18-143-NL	1" Female Iron Pipe	3/4" Male Iron Pipe	3.6	10	**161.62**
CH18-144-NL	1" Female Iron Pipe	1" Male Iron Pipe	3.8	-	**168.81**
* **CH84-133-NL**	3/4" Male Iron Pipe	3/4" Pack Joint CTS*	3.5	10	**162.42**
CH88-133-NL	3/4" Male Iron Pipe	3/4" Male Iron Pipe	3.2	10	**141.72**
CH88-143-NL	1" Male Iron Pipe	3/4" Male Iron Pipe	3.3	10	**148.95**
CH88-144-NL	1" Male Iron Pipe	1" Male Iron Pipe	3.3	10	**156.31**
❍ **CH8S-133-NL**	3/4" Male Iron Pipe	3/4" Solder	3.1	-	**141.72**
❍ **CHSS-133-NL**	3/4" Solder	3/4" Solder	3.1	10	**141.72**
❍ **CHSS-144-NL**	1" Solder	1" Solder	3.0	10	**156.31**

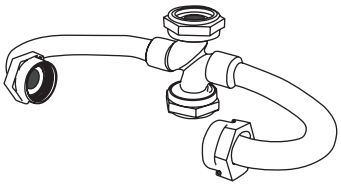
COPPERHORN FOR 5/8" x 3/4" METER



Copperhorn shown with union nuts, less swivels

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	One End	Other End			
CH11-211-NL	1/2" Female Iron Pipe	1/2" Female Iron Pipe	3.1	3	**$ 149.20**
CH11-233-NL	3/4" Female Iron Pipe	3/4" Female Iron Pipe	3.2	10	**149.20**
CH11-233-LS-NL	Less Swivel w/Union Nut	Less Swivel w/Union Nut	2.8	10	**126.01**
CH11-243-NL	1" Female Iron Pipe	3/4" Female Iron Pipe	3.7	10	**169.01**
CH11-244-NL	1" Female Iron Pipe	1" Female Iron Pipe	4.1	10	**188.90**
CH18-211-NL	1/2" Female Iron Pipe	1/2" Male Iron Pipe	3.3	10	**149.20**
CH18-233-NL	3/4" Female Iron Pipe	3/4" Male Iron Pipe	3.3	10	**149.20**
CH18-234-NL	3/4" Female Iron Pipe	1" Male Iron Pipe	3.4	10	**156.51**
CH18-243-NL	1" Female Iron Pipe	3/4" Male Iron Pipe	3.1	-	**169.01**
CH18-244-NL	1" Female Iron Pipe	1" Male Iron Pipe	4.1	6	**176.32**
* **CH44-233-NL**	3/4" Pack Joint CTS*	3/4" Pack Joint CTS*	4.0	10	**190.48**
CH44-233-SQ-NL	3/4" Quick Joint Swivel	3/4" Quick Joint Swivel	4.8	10	**190.48**
CH88-233-NL	3/4" Male Iron Pipe	3/4" Male Iron Pipe	3.4	10	**149.20**
CH88-243-NL	1" Male Iron Pipe	3/4" Male Iron Pipe	3.5	-	**156.51**
CH88-244-NL	1" Male Iron Pipe	1" Male Iron Pipe	3.5	10	**163.77**
❍ **CH8S-233-NL**	3/4" Male Iron Pipe	3/4" Solder	3.3	-	**149.20**
❍ **CH8S-243-NL**	1" Male Iron Pipe	3/4" Solder	3.4	10	**156.51**
❍ **CHSS-211-NL**	1/2" Solder	1/2" Solder	3.4	-	**149.20**
❍ **CHSS-233-NL**	3/4" Solder	3/4" Solder	3.3	10	**149.20**
❍ **CHSS-244-NL**	1" Solder	1" Solder	3.2	10	**163.73**

COPPERHORN FOR 3/4" METER



Copperhorn shown with union nuts, less swivels

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	One End	Other End			
CH11-311-NL	1/2" Female Iron Pipe	1/2" Female Iron Pipe	3.2	6	**$ 168.92**
CH11-333-NL	3/4" Female Iron Pipe	3/4" Female Iron Pipe	3.3	10	**168.92**
CH11-333-LS-NL	Less Swivel w/Union Nut	Less Swivel w/Union Nut	2.9	10	**145.75**
CH11-343-NL	1" Female Iron Pipe	3/4" Female Iron Pipe	3.7	-	**188.88**
CH11-344-NL	1" Female Iron Pipe	1" Female Iron Pipe	4.2	6	**208.68**
CH18-333-NL	3/4" Female Iron Pipe	3/4" Male Iron Pipe	3.4	6	**168.92**
CH18-334-NL	3/4" Female Iron Pipe	1" Male Iron Pipe	3.4	-	**176.28**
CH18-344-NL	1" Female Iron Pipe	1" Male Iron Pipe	3.9	6	**196.19**
❍ **CH1S-344-NL**	1" Female Iron Pipe	1" Solder	3.3	-	**196.19**
* **CH44-333-NL**	3/4" Pack Joint CTS*	3/4" Pack Joint CTS*	4.1	10	**210.31**
CH82-333-NL	3/4" Male Iron Pipe	3/4" Flared Copper	3.3	-	**182.55**
CH88-333-NL	3/4" Male Iron Pipe	3/4" Male Iron Pipe	3.4	10	**168.92**
CH88-343-NL	1" Male Iron Pipe	3/4" Male Iron Pipe	3.5	10	**176.28**
CH88-344-NL	1" Male Iron Pipe	1" Male Iron Pipe	3.6	10	**183.59**
❍ **CH8S-333-NL**	3/4" Male Iron Pipe	3/4" Solder	3.8	-	**168.92**
❍ **CHSS-333-NL**	3/4" Solder	3/4" Solder	3.3	10	**168.92**
❍ **CHSS-343-NL**	1" Solder	3/4" Solder	3.3	10	**176.28**
❍ **CHSS-344-NL**	1" Solder	1" Solder	3.3	10	**183.59**

All 5/8", 5/8"x3/4" and 3/4" CHxx-xxx Copperhorns are standard with male double purpose ends (convex). For female double purpose (concave) ends, use prefix CHFSWxx-xxx.

* **Grip Joint** for CTS is available by inserting "-G" into the catalog number. Example: CH44-233-G-NL

❍ **Attention:** Special solder and procedures are required for best results. Contact factory or see website for installation instructions.

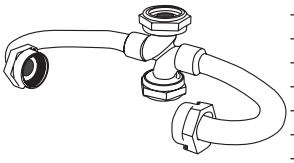
NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

COPPERHORNS CONTINUED

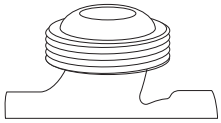
COPPERHORN FOR 1" METER

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	One End	Other End			
CH11-444-NL	1" Female Iron Pipe	1" Female Iron Pipe	6.2	5	$ 263.73
CH11-444-LS-NL	Less Swivel w/Union Nut	Less Swivel w/Union Nut	5.6	5	226.54
CH11-455-NL	1-1/4" Female Iron Pipe	1-1/4" Female Iron Pipe	7.7	5	338.88
CH18-444-NL	1" Female Iron Pipe	1" Male Iron Pipe	6.3	5	263.73
❍ CH1S-444-NL	1" Female Iron Pipe	1" Solder	6.1	5	263.73
CH88-444-NL	1" Male Iron Pipe	1" Male Iron Pipe	6.5	5	263.73
CH88-454-NL	1-1/4" Male Iron Pipe	1" Male Iron Pipe	6.7	5	278.43
CH88-455-NL	1-1/4" Male Iron Pipe	1-1/4" Male Iron Pipe	6.9	5	292.82
❍ CH8S-444-NL	1" Male Iron Pipe	1" Solder	6.3	5	263.73
❍ CHSS-444-NL	1" Solder	1" Solder	6.2	5	263.73

PARTS FOR COPPERHORN WITH CONVEX ENDS FOR 5/8", 5/8" x 3/4" AND 3/4" METERS (STYLE CHxx-xxx-NL)



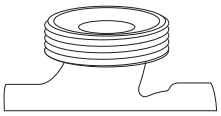
Copperhorn shown with union nuts, less swivels



Convex body end(s) (for style CHxx-xxx-NL and VCHxx-xxx-NL) shown above

Catalog Number	Description	Approx. Wt. Lbs.	List Price
CSS1-31-NL	1/2" Female Iron Pipe Thread Swivel Only	0.2	$ 11.59
CSS8-31-NL	1/2" Male Iron Pipe Thread Swivel Only	0.3	11.59
❍ CSSS-31-CR-NL	1/2" Solder Swivel Only	0.2	20.57
CSS1-33-NL	3/4" Female Iron Pipe Thread Swivel Only	0.2	11.59
CSS8-33-NL	3/4" Male Iron Pipe Thread Swivel Only	0.3	11.59
❍ CSSS-33-CR-NL	3/4" Solder Swivel Only	0.2	11.59
CSS4-33-NL	3/4" CTS Pack Joint Swivel Only (w/ PJ nut)	0.6	32.28
CSS4-33-G-NL	3/4" CTS Grip Joint Swivel Only (w/ GJ nut)	0.6	32.28
CSS8-34-NL	1" Male Iron Pipe Thread Swivel Only	0.4	18.61
❍ CSSS-34-CR-NL	1" Solder Swivel Only	0.2	18.61
CSUN-3	Union Nut Only	0.2	9.06
CSSUN1-33-NL	3/4" Female Swivel and Union Nut Assembly	0.4	20.65
CSSUN1-34-NL	1" FIP Swivel and Union Nut Assembly for 3/4" Copperhorn	0.9	39.70
CSSUN4-33-NL	3/4" CTS Pack Joint Swivel and Union Nut Assembly	0.9	43.89
CSSUN4-33-Q-NL	3/4" CTS Quick Joint Swivel and Union Nut Assembly	1.2	43.89
CSSUN4-34-NL	1" CTS Pack Joint Swivel and Union Nut Assembly for 3/4" Copperhorn	1.3	69.69
CSSUN4-34-Q-NL	1" CTS Quick Joint Swivel and Union Nut Assembly for 3/4" Copperhorn	1.4	69.69
CSSUN8-33-NL	3/4" Male Iron Pipe Thread Swivel Only	0.5	20.65
CSSUN8-34-NL	1" Male Iron Pipe Thread Swivel Only	0.6	39.70
CSA4-33-Q-NL	3/4" CTS Quick Joint Adapter for 3/4" Double Purpose Nose	0.9	46.92
CSA7-33-NL	3/4" Pack Joint for PVC/IPS PE Adapter for 3/4" Double Purpose	1.0	71.39
HHSCS8-333-NL	3/4" Dual Check Valve with Valve Copperhorn Union Swivel Inlet and 3/4" MIP Outlet (unit attaches directly to Copperhorn body)	1.8	163.98
GT-205	3/4" Composition Gasket for Double Purpose Connection	-	2.54

PARTS FOR COPPERHORN WITH CONCAVE ENDS FOR 5/8", 5/8" X 3/4" AND 3/4" METER (STYLE CHFSWxx-xxx-NL)



Concave body end(s) (for style CHFSWxx-xxx-NL) shown above

Catalog Number	Description	Approx. Wt. Lbs.	List Price
CSUN-3	Union Nut Only	0.2	$ 9.06
CHS8-31-NL	1/2" Male Iron Pipe Thread Swivel Only	0.15	11.59
CHS1-31-NL	1/2" Female Iron Pipe Thread Swivel Only	0.15	11.59
❍ CHSS-31-NL	1/2" Solder Swivel Only	0.15	11.59
CHS8-33-NL	3/4" Male Iron Pipe Thread Swivel Only	0.3	11.59
CHS1-33-NL	3/4" Female Iron Pipe Thread Swivel Only	0.2	11.59
❍ CHSS-33-NL	3/4" Solder Swivel Only	0.2	11.59
CHS8-34-NL	1" Male Iron Pipe Thread Swivel Only	0.4	18.61
❍ CHSS-34-NL	1" Solder Swivel Only	0.2	18.61
CHSUN1-34-NL	1" Female Iron Pipe Thread Swivel with Union Nut (assembly)	0.9	39.70
CHS2-33-NL	3/4" Swivel and Flare Nut for Flared Copper Connection	1.0	36.28
* CHS4-33-NL	3/4" CTS Pack Joint Swivel (less union nut)*	0.7	32.28
WR-3-NL	3/4" Wedding Ring Only	-	6.89
HHSCH8-333-NL	3/4" Dual Check Valve with Copperhorn Union Swivel Inlet and 3/4" MIP Outlet (unit attaches directly to Copperhorn body)	1.8	163.99

COPPERHORN PARTS FOR 1" METER

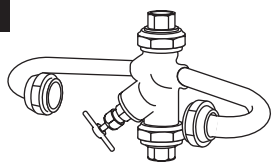
Catalog Number	Description	Approx. Wt. Lbs.	List Price
CSUN-4	Union Nut Only	0.4	$ 14.54
CSS8-44-NL	1" Male Swivel Only	0.5	18.61
CSS1-44-NL	1" Female Swivel Only	0.3	18.61
❍ CSSS-44-CR-NL	1" Solder Swivel Only	0.3	18.61
CSS8-45-NL	1-1/4" Male Swivel Only	0.7	33.22
CSSUN1-44-NL	1" Female Swivel and Union Nut Assembly	0.7	33.12
CSSUN1-45-AWT-NL	1-1/4" Female Swivel with Union Nut Assembly	1.4	70.43
CSSUN8-44-NL	1" Male Iron Pipe Thread Swivel Only	0.9	33.12
WR-4-NL	1" Wedding Ring Only	-	7.99
CSA4-44-Q-NL	1" Quick Joint (CTS) Adapter (non-swivel)	1.4	78.54
GT-206	1" Composition Gasket for Double Purpose Connection	-	3.41

* **Grip Joint** for CTS is available by inserting "-G" into the catalog number. Example: CH44-233-G-NL

❍ **Attention:** Special solder and procedures are required for best results. Contact factory or see website for installation instructions.

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

VALVE COPPERHORNS



Valve Copperhorn shown with double purpose swivel unions

VALVE COPPERHORN FOR 5/8" METER

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	One End	Valve End			
VCH11-133-NL	3/4" Double Purpose	3/4" Double Purpose	3.9	-	**$ 239.50**
VCH18-133-NL	3/4" Double Purpose	3/4" Male Iron Pipe	4.0	10	**239.50**
VCH81-133-NL	3/4" Male Iron Pipe	3/4" Double Purpose	4.3	-	**239.50**
VHC18-134-NL	3/4" Double Purpose	1" Male Iron Pipe	-	-	**P.O.A.**
❍ **VCHSS-133-NL**	3/4" Solder	3/4" Solder	3.9	10	**239.50**

VALVE COPPERHORN FOR 5/8" X 3/4" METER

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	One End	Valve End			
VCH11-211-NL	1/2" Female Iron Pipe	1/2" Female Iron Pipe	4.0	10	**$ 246.86**
VCH11-233-NL	3/4" Double Purpose	3/4" Double Purpose	4.0	-	**246.86**
VCH11-233-LS-NL	Less Swivel w/Nut	Less Swivel w/Nut	3.8	-	**223.70**
VCH18-233-NL	3/4" Double Purpose	3/4" Male Iron Pipe	4.1	-	**246.86**
VCH18-234-NL	3/4" Double Purpose	1" Male Iron Pipe	4.2	-	**254.19**
VCH88-233-NL	3/4" Male Iron Pipe	3/4" Male Iron Pipe	4.2	-	**246.86**
VCH88-243-NL	1" Male Iron Pipe	3/4" Male Iron Pipe	4.3	-	**254.19**
VCH88-244-NL	1" Male Iron Pipe	1" Male Iron Pipe	4.4	-	**261.35**
❍ **VCHSS-233-NL**	3/4" Solder	3/4" Solder	4.2	-	**246.86**

VALVE COPPERHORN FOR 3/4" METER

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	One End	Valve End			
VCH11-333-NL	3/4" Double Purpose	3/4" Double Purpose	4.1	-	**$ 266.46**
❍ **VCHSS-333-NL**	3/4" Solder	3/4" Solder	4.2	-	**266.46**

PARTS FOR VALVE COPPERHORNS

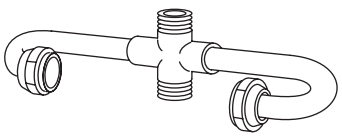
Catalog Number	Description	Approx. Wt. Lbs.	List Price
CSUN-3	Union Nut Only	0.2	**$ 9.06**
CSS8-31-NL	1/2" Male Swivel Only	0.3	**11.59**
CSS1-31-NL	1/2" Female Swivel Only	0.2	**11.59**
CSS8-33-NL	3/4" Male Swivel Only	0.3	**11.59**
CSS1-33-NL	3/4" Female Swivel Only	0.2	**11.59**
❍ **CSSS-33-CR-NL**	3/4" Solder Swivel Only	0.2	**11.59**
* **CSS4-33-NL**	3/4" CTS Pack Joint Swivel (less union nut)*	0.6	**32.28**
CSSUN4-33-NL	3/4" CTS Pack Joint Swivel and Union Nut Assembly	0.9	**43.89**
CSSUN4-33-Q-NL	3/4" CTS Quick Joint Swivel and Union Nut Assembly (with Quick Joint nut)	1.2	**43.89**
CSSUN4-34-NL	1" CTS Pack Joint Swivel and Union Nut Assembly	1.3	**69.69**
CSSUN4-34-Q-NL	1" CTS Quick Joint Swivel and Union Nut Assembly (with Quick Joint nut)	1.4	**69.69**
CSS8-34-NL	1" Male Swivel Only	0.4	**18.61**
❍ **CSSS-34-CR-NL**	1" Solder Swivel Only	0.2	**18.61**
CSSUN1-34-NL	1" Female Swivel and Union Nut Assembly	0.9	**39.70**
HHSCS8-333-NL	3/4" Dual Check Valve with Valve Copperhorn Union Swivel Inlet and 3/4" MIP Outlet (unit attaches directly to Copperhorn body)	1.8	**163.98**
CSA4-33-Q-NL	3/4" CTS Quick Joint Adapter for 3/4" Double Purpose Nose (non-swivel)	0.9	**46.92**

*** Grip Joint** for CTS is available by inserting "-G" into the catalog number. Example: CSS4-33-G-NL

❍ **Attention:** Special solder and procedures are required for best results. Contact factory or see website for installation instructions.

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

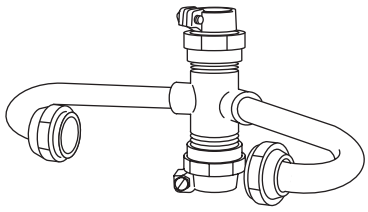
PLUMBHORNS



Catalog Number	Meter Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
PB-1-NL	5/8"	1.9	-	**$ 104.12**
PB-2-NL	5/8"x3/4"	2.0	10	**112.13**
PB-3-NL	3/4"	2.1	-	**136.32**

HANDYHORNS

SETTERS WITH INTEGRAL INLET - OUTLET PACK JOINT CONNECTIONS



Handyhorn shown with Pack Joint assemblies for copper tubing or plastic (CTS)

Catalog Number	Meter Size	Size and Type of Existing Pipe	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HH1-15-NL	5/8"	1/2" Iron Pipe	2.2	10	**$ 138.26**
HH1-35-NL	5/8"	3/4" Iron Pipe	2.3	-	**142.70**
♦ **HH1-14-NL**	5/8"	1/2" Copper Tubing	2.2	10	**138.26**
♦ **HH1-34-NL**	5/8"	3/4" Copper Tubing*	2.3	10	**142.70**
HH2-15-NL	5/8" x 3/4"	1/2" Iron Pipe	2.3	10	**144.86**
HH2-35-NL	5/8" x 3/4"	3/4" Iron Pipe	2.4	10	**149.77**
♦ **HH2-14-NL**	5/8" x 3/4"	1/2" Copper Tubing	2.4	10	**144.86**
♦ **HH2-34-NL**	5/8" x 3/4"	3/4" Copper Tubing*	2.4	10	**149.77**
HH2-44-NL	5/8" x 3/4"	1" Copper Tubing*	2.6	10	**190.20**
HH3-35-NL	3/4"	3/4" Iron Pipe	2.5	10	**160.78**
♦ **HH3-34-NL**	3/4"	3/4" Copper Tubing*	2.5	10	**160.78**

♦ **Quick Joint** is available by inserting "-Q" into the catalog number. Example: HH2-14-Q-NL

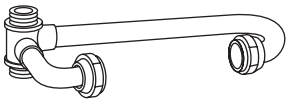
* **Grip Joint** is available by inserting "-G" into the catalog number. Example: HH2-14-G-NL

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

B

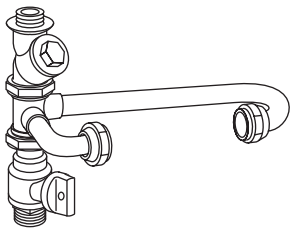
KORNERHORNS

KORNERHORNS ONLY - *WITHOUT SERVICE LINE CONNECTIONS*



Catalog Number	Meter Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
KH-1-NL	5/8"	1.9	25	**$ 111.35**
KH-2-NL	5/8" x 3/4"	2.1	25	**117.55**
KH-3-NL	3/4"	2.1	20	**130.35**
KH-4-NL	1"	4.0	8	**247.83**

DETACHABLE VALVES - *FOR KORNERHORNS*

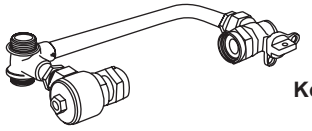


Kornerhorn with optional detachable valves

Catalog Number	Description	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valves for KH-1, KH-2 and KH-3			
KH-VALVE-1-NL	Compression Kornerhorn Valve	1.4	6	**$ 100.05**
KHBV-1-NL	Ball Valve for 3/4" Kornerhorn	1.3	12	**97.49**
KHBV-1D-NL	Ball Valve for 3/4" Kornerhorn with Drain	1.5	-	**122.81**
KHBV-1-HB-2-NL	Ball Valve for 3/4" Kornerhorn with HB-2 Handle	1.5	8	**107.03**
KHCV-1-NL	Kornerhorn Check Valve	1.2	10	**75.59**
† **KHHCV-1-NL**	Kornerhorn Cascading Dual Check Valve	1.7	8	**167.49**
† **KHHCV-1D-NL**	Kornerhorn Cascading Dual Check Valve with Drain	1.9	-	**192.05**
† **KH-HHCH-1-NL**	In-Line Accessible Cartridge Style Kornerhorn Dual Check Valve	1.9	4	**186.40**
† **KH-HHCH-1D-NL**	In-Line Accessible Cartridge Style Kornerhorn Dual Check Valve with Drain	2.0	4	**211.29**
	Valves for KH-4			
KH-VALVE-4-NL	1" Kornerhorn Compression Valve	2.1	5	**$ 163.39**
B81-455-NL	1" Kornerhorn Ball Valve	2.2	4	**251.49**
B81-455-HB-34-NL	1" Kornerhorn Ball Valve with HB-34 Handle	2.5	-	**262.10**

Note: Detachable items will ship packaged separately.

Note: Catalog section I describes single, dual and cartridge style dual check valves.



Kornerhorn with integral angle ball valve and angle dual check valve

KORNERHORNS WITH INTEGRAL VALVES - *VALVES ASSEMBLED TO COPPER TUBING** FOR 5/8" METERS

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet Valve	Outlet Valve		
KHVB-1-NL	Ball	None	3.1	**$ 241.68**
KHVBH-1-NL	Ball	Single Check	4.1	**358.64**
†KHVBHH-1-NL	Ball	Cascading Dual Check	4.3	**433.91**
†KHVBHC-1-NL	Ball	Cartridge Dual Check	4.4	**449.85**
KHH-1-NL	None	Single Check	3.3	**237.35**
†KHHH-1-NL	None	Cascading Dual Check	3.3	**312.60**
†KHHC-1-NL	None	Cartridge Dual Check	3.3	**328.59**

FOR 5/8" X 3/4" METERS

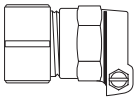
Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet Valve	Outlet Valve		
KHVB-2-NL	Ball	None	3.0	**$ 252.49**
KHVBH-2-NL	Ball	Single Check	4.3	**369.39**
†KHVBHH-2-NL	Ball	Cascading Dual Check	4.1	**444.61**
†KHVBHC-2-NL	Ball	Cartridge Dual Check	4.3	**460.66**
KHH-2-NL	None	Single Check	3.3	**243.35**
†KHHH-2-NL	None	Cascading Dual Check	3.1	**318.64**
†KHHC-2-NL	None	Cartridge Dual Check	3.3	**334.74**

Note: The inlet operating valve on single valve units is assembled on the short tube unless otherwise specified. This configuration will place the meter to the left of the plumbing as water flows up into the Kornerhorn. Units with check valve are assembled with check valve on the short tube unless otherwise specified. This configuration will place the meter to the right of the plumbing as water flows up into the Kornerhorn.

† Dual check valves are available with enhanced chlorine/chloramine resistant components. Add "CR" to the end of the alpha code.
Example: KHHCVCR-1-NL
Add to price for cartridge style **$39.02**
Add to price for cascading style **$19.04**

* Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

PACK JOINT ASSEMBLIES FOR KH-1, KH-2 AND KH-3 KORNERHORNS
(TWO REQUIRED PER KORNERHORN) ■



Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Size and Type of Existing Pipe	Pack Joint Assembly Required			
♦ **PJA4-11-NL**	1/2" Copper or Plastic Tube	1/2" P. J. for (CTS)	0.5	25	**$ 31.63 ea.**
♦ **PJA4-13-NL**	3/4" Copper or Plastic Tube	3/4" P. J. for (CTS)	0.5	25	**28.72 ea.**
PJA4-14-NL	1" Copper or Plastic Tube	1" P. J. for (CTS)	0.8	20	**36.06 ea.**
• **PJA4-15-PJA6-14-NL**	1-1/4" Copper or Plastic Tube	1-1/4" P. J. for (CTS)	2.3	10	**65.64 ea.**
* **PJA4-16-AWT-NL**	1-1/2" Copper or Plastic Tube	1-1/2" P. J. for (CTS)	2.3	4	**141.71 ea.**
PJA5-11-NL	1/2" Iron Pipe	1/2" P. J. for Iron Pipe	0.5	30	**26.70 ea.**
PJA5-13-NL	3/4" Iron Pipe	3/4" P. J. for Iron Pipe	0.5	25	**28.72 ea.**
PJA5-14-NL	1" Iron Pipe	1" P. J. for Iron Pipe	1.0	10	**49.94 ea.**
PJA5-15-NL	1-1/4" Iron Pipe	1-1/4" P. J. for Iron Pipe	1.4	-	**105.43 ea.**
* **PJA5-16-AWT-NL**	1-1/2" Iron Pipe	1-1/2" P. J. for Iron Pipe	2.3	-	**147.43 ea.**
PJA6-13-NL	3/4" Polyethylene Pipe	3/4" P. J. for P.E. Pipe	0.6	20	**38.20 ea.**
• **PJA4-15-PJA6-14-NL**	1" Polyethylene Pipe	1" P. J. for P.E. Pipe	1.1	10	**65.64 ea.**
* **PJA6-15-AWT-NL**	1-1/4" Polyethylene Pipe	1-1/4" P. J. for P.E. Pipe	2.0	-	**119.10 ea.**
* **PJA6-16-IDR7-AWT-NL**	1-1/2" Polyethylene Pipe	1-1/2" P. J. for P.E. Pipe	3.2	-	**164.79 ea.**
PJA7-11-NL	1/2" PVC/IPS PE Pipe	1/2" P.J. for PVC/IPS PE Pipe	0.6	-	**30.70 ea.**
PJA7-13-NL	3/4" PVC/IPS PE Pipe	3/4" P. J. for PVC/IPS PE Pipe	0.7	22	**36.72 ea.**
PJA7-14-NL	1" PVC/IPS PE Pipe	1" P. J. for PVC/IPS PE Pipe	1.2	10	**68.48 ea.**
PJA7-15-NL	1-1/4" PVC/IPS PE Pipe	1-1/4" P. J. for PVC/IPS PE Pipe	1.7	8	**124.21 ea.**
* **PJA7-16-AWT-NL**	1-1/2" PVC/IPS PE Pipe	1-1/2" P. J. for PVC/IPS PE Pipe	2.3	-	**174.04 ea.**

Grip Joint for CTS (3/4"-2") and PEP (3/4" and 1") can be ordered by inserting "-G" into the catalog number. Example: PJA4-13-G-NL

♦ **Quick Joint** is available by inserting "-Q" into the catalog number. Example: PJA4-13-Q-NL

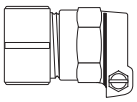
***** These items are not one piece but are two adapter pieces assembled watertight.

• This Pack Joint assembly is for use on 1-1/4" copper or plastic tubing (CTS) or 1" PE pipe.

Note: Insert stiffeners are listed on page 2 of section J.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

PACK JOINT ASSEMBLIES FOR KH-4 KORNERHORN
(TWO REQUIRED PER KORNERHORN) ■



Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Size and Type of Existing Pipe	P.J. Assembly Required			
♦ **PJA4-44-C14-54-NL**	1" Copper or Plastic Tube	1" P. J. for (CTS)	0.9	12	**$ 54.87 ea.**
♦ **PJA4-45-C14-55-NL**	1-1/4" Copper or Plastic Tube	1-1/4" P. J. (CTS)	1.3	10	**93.47 ea.**
PJA4-46-C14-56-NL	1-1/2" Copper or Plastic Tube	1-1/2" P. J. (CTS)	1.8	10	**116.90 ea.**
PJA5-44-C15-54-NL	1" Iron Pipe	1" P. J. for Iron Pipe	1.1	10	**62.76 ea.**
PJA5-45-C15-55-NL	1-1/4" Iron Pipe	1-1/4" P. J. for Iron Pipe	1.4	8	**77.08 ea.**
PJA5-46-C15-56-NL	1-1/2" Iron Pipe	1-1/2" P. J. for Iron Pipe	1.8	6	**109.33 ea.**
PJA6-44-C16-54-NL	1" Polyethylene Pipe	1" P. J. for P.E. Pipe	1.3	10	**73.12 ea.**
PJA6-45-C16-55-NL	1-1/4" Polyethylene Pipe	1-1/4" P. J. for P.E.Pipe	1.5	8	**85.67 ea.**
PJA6-46-C16-56-IDR7-NL	1-1/2" Polyethylene Pipe	1-1/2" P. J. for P.E. Pipe	2.8	-	**126.66 ea.**
PJA7-44-C17-54-NL	1" PVC/IPS PE Pipe	1" P. J. for PVC/IPS PE Pipe	1.3	10	**62.76 ea.**
PJA7-45-C17-55-NL	1-1/4" PVC/IPS PE Pipe	1-1/4" P. J. for PVC/IPS PE Pipe	1.7	8	**88.81 ea.**
PJA7-46-C17-56-NL	1-1/2" PVC/IPS PE Pipe	1-1/2" P. J. for PVC Pipe	2.3	4	**135.86 ea.**

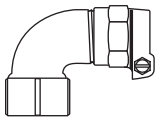
Grip Joint for CTS (3/4"-2") and PEP (3/4" and 1") can be ordered by inserting "-G" into the catalog number. Example: PJA4-45-G-NL

♦ **Quick Joint** is available by inserting "-Q" into the catalog number. Example: PJA4-44-C14-54-Q-NL

Note: Insert stiffeners are priced on page 2 of section J.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

PACK JOINT ELL ASSEMBLIES FOR KH-1, KH-2 AND KH-3 KORNERHORNS
(TWO REQUIRED PER KORNERHORN) ■



Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Size and Type of Existing Pipe	P.J. Assembly Required			
PJAL4-13-NL	3/4" Copper or Plastic Tube	3/4" P. J. for (CTS)	0.9	16	**$ 66.92 ea.**

Grip Joint for CTS (3/4"-2") and PEP (3/4" and 1") can be ordered by inserting "-G" into the catalog number. Example: PJAL4-13-G-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

SPECIAL ITEMS FOR KORNERHORNS
AVAILABLE FOR KH-1, KH-2 AND KH-3 KORNERHORNS ONLY
(TWO REQUIRED PER KORNERHORN)

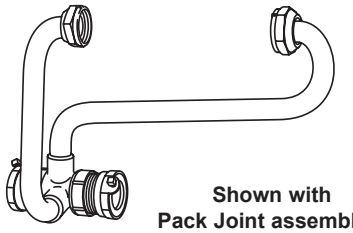
Catalog Number	Description	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
❍ **PJAS-11-NL**	1/2" Solder Sleeve (includes KHSCW, copper washer)	0.3	56	**$ 21.44 ea.**
❍ **PJAS-13-NL**	3/4" Solder Sleeve (includes KHSCW, copper washer)	0.3	50	**22.08 ea.**
PJA8-13-NL	3/4" Male Iron Pipe Thread	0.3	56	**18.77 ea.**
PJA8-15-NL	1-1/4" Male Iron Pipe Thread	0.5	-	**28.24 ea.**
KHSCW	Copper Washer (for positioning KH-VALVE-1-NL)	-	-	**8.79 ea.**
ORING-650024-EP	Kornerhorn Body O-ring Only (formerly KH-O-RING)	-	-	**0.87 ea.**
ORING-65021X2-EP	O-ring for Kornerhorn Valve Swivel Connection	-	-	**1.41 ea.**

❍ **Attention:** Special solder and procedures are required for best results. Contact factory or see website for installation instructions.

■ Ordered Separately

PRETZELHORNS

WITHOUT PIPE CONNECTIONS



Shown with Pack Joint assemblies

Catalog Number	Meter Size	Meter Positioned Left or Right from PH Body	Approx. Wt. Lbs.	Std. Qty.	List Price
PH-1-L-NL	5/8"	Left	2.3	1	**$ 129.14**
PH-1-R-NL	5/8"	Right	2.3	10	**129.14**
PH-2-L-NL	5/8" x 3/4"	Left	2.5	10	**142.83**
PH-2-R-NL	5/8" x 3/4"	Right	2.5	10	**142.83**
PH-3-L-NL	3/4"	Left	2.5	1	**154.31**
PH-3-R-NL	3/4"	Right	2.5	1	**154.31**
PH-4-L-NL	1"	Left	5.1	1	**326.94**
PH-4-R-NL	1"	Right	5.1	1	**326.94**

B

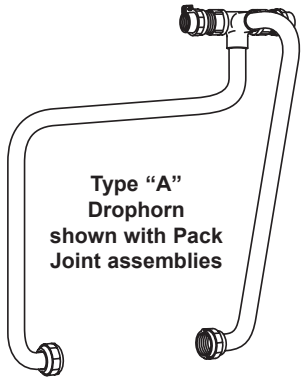
Pack Joint assembly pipe connections or solder connections available for Pretzelhorns are identical to those offered for Kornerhorns, and are listed and priced on page B-6.

Integral valve options are available as on Kornerhorns, page 5. Call for pricing.

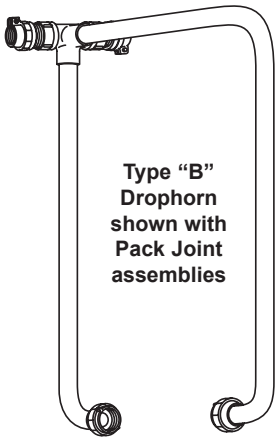
DROPHORNS

WITHOUT PIPE CONNECTIONS

TWO TYPES ARE AVAILABLE: TYPE “A” PLACES THE METER IN LINE WITH THE PIPE.
TYPE “B” PLACES THE METER AT RIGHT ANGLE TO THE PIPE.



Type “A” Drophorn shown with Pack Joint assemblies



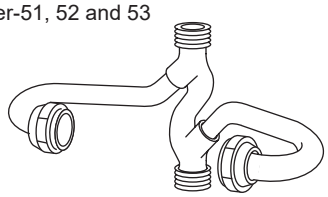
Type “B” Drophorn shown with Pack Joint assemblies

Catalog Number	Meter Size	Type of Drophorn Alignment	Length (distance of drop)	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
DH-1A-18-NL	5/8"	A	18"	-	-	**$ 186.18**
DH-1A-24-NL	5/8"	A	24"	-	-	**208.03**
DH-1A-30-NL	5/8"	A	30"	-	-	**229.82**
DH-1A-36-NL	5/8"	A	36"	-	-	**251.46**
DH-2A-18-NL	5/8" x 3/4"	A	18"	3.5	-	**193.17**
DH-2A-24-NL	5/8" x 3/4"	A	24"	4.0	-	**214.74**
DH-2A-30-NL	5/8" x 3/4"	A	30"	-	-	**236.76**
DH-2A-36-NL	5/8" x 3/4"	A	36"	-	-	**258.45**
DH-3A-18-NL	3/4"	A	18"	3.5	-	**198.97**
DH-3A-24-NL	3/4"	A	24"	-	-	**220.73**
DH-3A-30-NL	3/4"	A	30"	-	-	**242.23**
DH-3A-36-NL	3/4"	A	36"	-	-	**264.17**
DH-4A-18-NL	1"	A	18"	6.1	-	**391.45**
DH-4A-24-NL	1"	A	24"	-	-	**425.17**
DH-4A-30-NL	1"	A	30"	-	-	**459.56**
DH-4A-36-NL	1"	A	36"	-	-	**494.13**
DH-1B-18-NL	5/8"	B	18"	-	-	**165.94**
DH-1B-24-NL	5/8"	B	24"	-	-	**187.78**
DH-1B-30-NL	5/8"	B	30"	-	-	**209.24**
DH-1B-36-NL	5/8"	B	36"	-	-	**230.83**
DH-2B-18-NL	5/8" x 3/4"	B	18"	-	-	**172.78**
DH-2B-24-NL	5/8" x 3/4"	B	24"	-	-	**194.67**
DH-2B-30-NL	5/8" x 3/4"	B	30"	4.4	-	**215.99**
DH-2B-36-NL	5/8" x 3/4"	B	36"	-	-	**237.76**
DH-3B-18-NL	3/4"	B	18"	-	-	**178.22**
DH-3B-24-NL	3/4"	B	24"	-	-	**199.96**
DH-3B-30-NL	3/4"	B	30"	4.4	-	**221.93**
DH-3B-36-NL	3/4"	B	36"	-	-	**243.86**
DH-4B-18-NL	1"	B	18"	-	-	**361.24**
DH-4B-24-NL	1"	B	24"	-	-	**395.51**
DH-4B-30-NL	1"	B	30"	7.8	-	**430.81**
DH-4B-36-NL	1"	B	36"	8.6	-	**464.36**

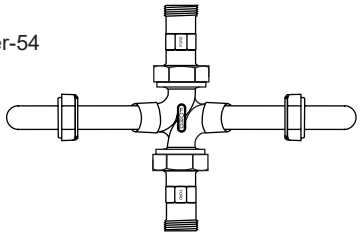
Pack Joint assembly pipe connections or solder connections available for Drophorns are identical to those offered for Kornerhorns, and are listed and priced on page B-6.

BASEMENT RESETTERS

Resetter-51, 52 and 53

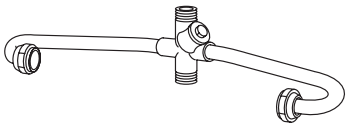


Resetter-54



Catalog Number	Meter Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
RESETTER-51-NL	5/8"	2.2	10	**$ 128.22**
RESETTER-52-NL	5/8" x 3/4"	2.4	10	**136.70**
RESETTER-53-NL	3/4"	2.8	10	**150.47**
RESETTER-54-NL	1"	7.3	5	**318.69**

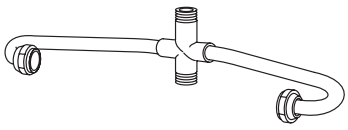
WALL SETTERS / TANDEM INDOOR SETTINGS



STYLE "A" INTEGRAL CHECK WALL SETTER FOR 5/8" AND 5/8" X 3/4" METERS

Catalog Number	Description	Meter Nut Spacing	Couplings And Adapter Included	List Price
WSB	Bracket for Wall Mounting	-	-	**$ 20.58**
CLAMP-32	Stainless Steel Clamp for Above	-	-	**7.23**
WS88-133A-NL	Setter for 5/8" Meter (including meter nuts, adapter, etc.)	15-5/8"	one RA-1-NL, one C38-13-2-188-NL	**297.79**
WS88-233A-NL	Setter for 5/8" x 3/4" Meter (including meter nuts, adapter, etc.)	15-1/4"	one RA-2-NL, one C38-23-1-625-NL	**297.79**

Note: Couplings, adapters and optional items will be packaged separately from wall setters.



STYLE "B" WALL SETTER FOR 5/8", AND 5/8" X 3/4" AND 3/4" METERS

Catalog Number	Description	Meter Nut Spacing	Couplings And Adapter Included	List Price
WSB	Bracket for Wall Mounting	-	-	**$ 20.58**
CLAMP-32	Stainless Steel Clamp for Above	-	-	**7.23**
WS88-133B-NL	Setter for 5/8" Meter (including meter nuts, adapter, etc.)	15-5/8"	one RA-1-NL, one C38-13-2-188-NL	**266.11**
WS88-233B-NL	Setter for 5/8" x 3/4" Meter (including meter nuts, adapter, etc.)	15-1/4"	one RA-2-NL, one C38-23-1-625-NL	**266.11**
WS88-333B-NL	Setter for 3/4" Meter (including meter nuts, adapter, etc.)	16-3/4"	one RA-2-NL, one C38-23-1-625-NL	**275.17**

Note: Couplings, adapters and optional items will be packaged separately from wall setters.

All wall setters have a spacing to include a 4-1/2" long PRV with 3/4" FIP thread connections.

FORD METER BOXES
SECTION C

METER BOX TYPE

CB = Crescent Box
DG = Double Gulfbox
DGHC = Long Double Gulfbox with Cartridge Dual Check Valves
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

OPTIONS

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)

Optional Enlarged Plastic Upper Section and Lid (YL or YM Yokebox only)
▲ JP = Add "-JP" to end of alpha code and insert "-P" into the catalog number.
Example: YLJPxxx-xxx-P-NL
◇ P = Optional Plastic Upper Section, Shallow Box (LYL or YL Yokebox only)
Example: LYLBPxxx-xxx-NL

YLB JP 122 - 233 - PB - NL

NO-LEAD

SERVICE LINE POSITION
1 = Straight Inlet and Outlet
2 = Angle Inlet and Straight Outlet
3 = Angle Inlet and Outlet
4 = Straight Inlet and Angle Outlet

TYPE OF INLET - OUTLET
1 = Female Iron Pipe Threads or Double Purpose (inlet only)*
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/IPS PE** Pipe
8 = Male Iron Pipe Threads

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

SIZE OF INLET - OUTLET
1 = 1/2"
2 = 5/8"
3 = 3/4"
4 = 1"

* Only straight key valves have double purpose service line connections

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

* Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

** Schedule 40 and 80 or DR9 and DR11 IPS PE

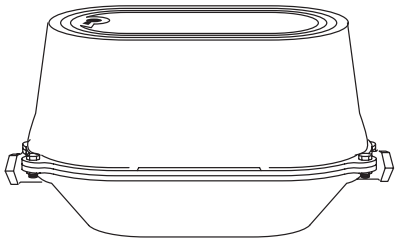
FORD ELECTRONIC METER READING COVER OPTION

Special lids for Ford Yokeboxes and Gulfboxes are available with precast holes for electronic meter reading modules. This option is designated with a "-T" for a single hole cover and "-NPR" for a Maxi Pit Pro Read. For an optional 2" hole plug, removable for future electronic meter reading module installation, use "-TP". For the "-TP" option add . . . . . **$ 15.30**
Example: YMB122-233-TP-NL

For plastic plug, use "-PTP". For the "-PTP" option add . . . . . **$ 16.90**
Example: YMB122-233-PTP-NL

For plastic plug with AMR bracket, use "-PTP-BR". For the "-PTP-BR" option add . . . . . **$ 21.45**
Example: YMB122-233-PTP-BR-NL

FORD LONG YOKEBOXES FOR 5/8" METERS
Center Line of Meter 8" Below Grade
Straight Inlet - Straight Outlet



STRAIGHT BALL VALVE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
LYLB111-133-NL	3/4" Female Iron Pipe Threads	3/4" Female Iron Pipe Threads	47.0	**$ 600.91**
LYLB122-133-NL	3/4" Flare Copper	3/4" Flare Copper	47.0	**626.92**
►LYLB141-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	47.0	**619.96**
►LYLB144-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	47.0	**640.00**

STRAIGHT BALL VALVE INLET - STRAIGHT BALL VALVE OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
LYLBB111-133-NL	3/4" Female Iron Pipe Threads	3/4" Female Iron Pipe Threads	48.0	**$ 700.88**
LYLBB122-133-NL	3/4" Flare Copper	3/4" Flare Copper	48.0	**733.05**
►LYLBB141-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	48.0	**723.22**
►LYLBB144-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	48.0	**741.66**

STRAIGHT KEY VALVE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
LYLV111-133-NL	3/4" Double Purpose**	3/4" Female Iron Pipe Threads	47.0	**$ 599.29**
LYLV122-133-NL	3/4" Flare Copper	3/4" Flare Copper	47.0	**609.20**
►LYLV141-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	47.0	**591.41**
►LYLV144-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	47.0	**613.79**

STRAIGHT KEY VALVE INLET - STRAIGHT KEY VALVE OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
LYLVV111-133-NL	3/4" Double Purpose**	3/4" Double Purpose**	48.0	**$ 694.59**
LYLVV122-133-NL	3/4" Flare Copper	3/4" Flare Copper	48.0	**694.59**
►LYLVV141-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose**	48.0	**686.55**
►LYLVV144-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	48.0	**689.31**

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

All Ford Long Yokeboxes include an ASSE 1024 approved cartridge style dual check valve contained completely within the Yokebox.

Ordering Information

Plastic lid option: Insert "-P" into the catalog number for locking plastic lid.....**no additional charge**
Example: YSxxx-xxx-P-NL
Insert "-PB" into the catalog number for locking plastic lid with ERT bracket, add to price.....**$ 7.86**
Example: LYLVVxxx-xxx-PB-NL
Insert "-PLB" into the catalog number for locking plastic lid with large ERT bracket, add to price.....**$ 30.84**
Example: LYLVVxxx-xxx-PLB-NL

***** **Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: LYLB141-133-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: LYLB141-133-U-NA-NL

****** **The double purpose coupling** connects to either 3/4" threaded iron pipe or 3/4" flared copper tubing.

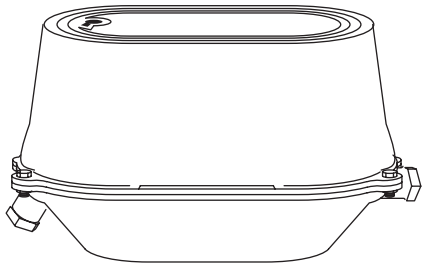
Gaskets are furnished – Flat gaskets for valve and outlet saddles; beveled and flat gaskets for expansion connections.

Ford Long Yokeboxes have a locking iron lid as standard. An optional lockless iron lid can be ordered by inserting "-LL" into the catalog number. Example: LYLVV122-133-LL-NL

A lockable expansion connection is available. See pages 9 and 10.

Plastic Upper Section (7" high) for all LYL Long Yokeboxes. Insert the letter "P" into the catalog number. Example: LYLVP111-133-NL
Deduct 17 lbs from approximate shipping weight and deduct **$ -81.62** from the list price above.

FORD LONG YOKEBOXES FOR 5/8" METERS
Center Line of Meter 8" Below Grade
Angle Inlet - Straight Outlet



C

ANGLE KEY VALVE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
LYLV222-133-NL	3/4" Flare Copper	3/4" Flare Copper	47.0	**$ 588.81**
►LYLV241-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	47.0	**576.60**
►LYLV244-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	47.0	**598.18**

ANGLE KEY VALVE INLET - STRAIGHT KEY VALVE OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
LYLVV222-133-NL	3/4" Flare Copper	3/4" Flare Copper	48.0	**$ 681.30**
►LYLVV241-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose**	48.0	**671.35**
►LYLVV244-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	48.0	**688.06**

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

All Ford Long Yokeboxes include an ASSE 1024 approved
cartridge style dual check valve contained completely within the Yokebox.

Ordering Information

Plastic lid option: Insert “-P” into the catalog number for locking plastic lid.....**no additional charge**
Example: LYLVxxx-xxx-P-NL
Insert “-PB” into the catalog number for locking plastic lid with ERT bracket, add to price.....**$ 7.86**
Example: LYLVxxx-xxx-PB-NL
Insert “-PLB” into the catalog number for locking plastic lid with large ERT bracket, add to price.....**$ 30.84**
Example: LYLVxxx-xxx-PLB-NL

***** **Grip Joint** can be ordered by inserting “-G” into the catalog number. Example: LYLV241-133-G-NL

► Ultra-Tite is available. Insert “-U-NA” into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: LYLV241-133-U-NA-NL

****** **The double purpose coupling** connects to either 3/4" threaded iron pipe or 3/4" flared copper tubing.

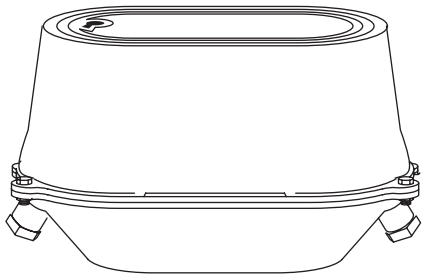
Gaskets are furnished – Flat gaskets for valve and outlet saddles; beveled and flat gaskets for expansion connections.

Ford Long Yokeboxes have a locking iron lid as standard. An optional lockless iron lid can be ordered by inserting “-LL” into the catalog number. Example: LYLVV241-133-LL-NL

A lockable expansion connection is available. See pages 9 and 10.

Plastic Upper Section (7" high) for all LYL Long Yokeboxes. Insert the letter “P” into the catalog number. Example: LYLVP111-133-NL
Deduct 17 lbs from approximate shipping weight and deduct **$ -81.62** from the list price above.

FORD LONG YOKEBOXES FOR 5/8" METERS
Center Line of Meter 8" Below Grade
Angle Inlet - Angle Outlet



ANGLE KEY VALVE INLET - ANGLE OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
LYLV322-133-NL	3/4" Flare Copper	3/4" Flare Copper	47.0	**$ 589.89**
►**LYLV344-133-NL**	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	47.0	**595.47**

ANGLE KEY VALVE INLET - ANGLE KEY VALVE OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
LYLVV322-133-NL	3/4" Flare Copper	3/4" Flare Copper	48.0	**$ 647.58**
►**LYLVV344-133-NL**	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	48.0	**648.11**

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

All Ford Long Yokeboxes include an ASSE 1024 approved
cartridge style dual check valve contained completely within the Yokebox.

Ordering Information

Plastic lid option: Insert "-P" into the catalog number for locking plastic lid.....**no additional charge**
Example: LYLVxxx-xxx-P-NL
Insert "-PB" into the catalog number for locking plastic lid with ERT bracket, add to price.....**$ 7.86**
Example: LYLVxxx-xxx-PB-NL
Insert "-PLB" into the catalog number for locking plastic lid with large ERT bracket, add to price.....**$ 30.84**
Example: LYLVxxx-xxx-PLB-NL

***** **Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: LYLV344-133-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability.
Example: LYLV344-133-U-NA-NL

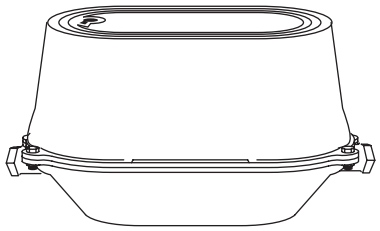
Gaskets are furnished – Flat gaskets for valve and outlet saddles; beveled and flat gaskets for expansion connections.

Ford Long Yokeboxes have a locking iron lid as standard. An optional lockless iron lid can be ordered by inserting "-LL" into the catalog number.
Example: LYLVV322-133-LL-NL

A lockable expansion connection is available. See pages 9 and 10.

Plastic Upper Section (7" high) for all LYL Long Yokeboxes. Insert the letter "P" into the catalog number. Example: LYLVP322-133-NL
Deduct 17 lbs from approximate shipping weight and deduct **$ -81.62** from the list price above.

FORD LONG YOKEBOXES FOR 5/8" x 3/4" METERS
Center Line of Meter 8" Below Grade
Straight Inlet - Straight Outlet



STRAIGHT BALL VALVE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
LYLB111-233-NL	3/4" Female Iron Pipe Threads	3/4" Female Iron Pipe Threads	46.2	**$ 604.86**
LYLB122-233-NL	3/4" Flare Copper	3/4" Flare Copper	47.0	**630.90**
► **LYLB141-233-NL**	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	46.6	**627.22**
► **LYLB144-233-NL**	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	46.8	**644.01**
LYLB171-233-NL	3/4" Pack Joint for PVC/IPS PE	3/4" Female Iron Pipe Threads	47.0	**673.73**

STRAIGHT BALL VALVE INLET - STRAIGHT BALL VALVE OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
LYLBB111-233-NL	3/4" Female Iron Pipe Threads	3/4" Female Iron Pipe Threads	48.0	**$ 704.81**
LYLBB122-233-NL	3/4" Flare Copper	3/4" Flare Copper	48.0	**737.06**
► **LYLBB141-233-NL**	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	48.0	**727.20**
► **LYLBB144-233-NL**	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	47.3	**745.68**
LYLBB171-233-NL	3/4" Pack Joint for PVC/IPS PE	3/4" Female Iron Pipe Threads	48.0	**756.95**
LYLBB177-233-NL	3/4" Pack Joint for PVC/IPS PE	3/4" Pack Joint for PVC/IPS PE	47.7	**805.09**

STRAIGHT KEY VALVE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
LYLV111-233-NL	3/4" Double Purpose**	3/4" Female Iron Pipe Threads	47.0	**$ 603.30**
LYLV122-233-NL	3/4" Flare Copper	3/4" Flare Copper	47.0	**613.22**
► **LYLV141-233-NL**	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	47.0	**595.41**
► **LYLV141-243-NL**	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	48.7	**624.96**
► **LYLV144-233-NL**	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	47.0	**617.76**
► **LYLV161-233-NL**	3/4" Pack Joint for PE Pipe*	3/4" Female Iron Pipe Threads	47.0	**614.46**
LYLV171-233-NL	3/4" Pack Joint for PVC/IPS PE Pipe	3/4" Female Iron Pipe Threads	47.0	**614.46**

STRAIGHT KEY VALVE INLET - STRAIGHT KEY VALVE OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
LYLVV111-233-NL	3/4" Double Purpose**	3/4" Double Purpose**	48.0	**$ 698.66**
LYLVV122-233-NL	3/4" Flare Copper	3/4" Flare Copper	48.0	**698.66**
► **LYLVV141-233-NL**	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose**	48.0	**690.49**
► **LYLVV144-233-NL**	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	48.0	**693.28**

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

All Ford Long Yokeboxes include an ASSE 1024 approved cartridge style dual check valve contained completely within the Yokebox.

Ordering Information

Plastic lid option: Insert “-P” into the catalog number for locking plastic lid.....**no additional charge**
Example: LYLBxxx-xxx-P-NL
Insert “-PB” into the catalog number for locking plastic lid with ERT bracket, add to price.....**$ 7.86**
Example: LYLBxxx-xxx-PB-NL
Insert “-PLB” into the catalog number for locking plastic lid with large ERT bracket, add to price.....**$ 30.84**
Example: LYLBxxx-xxx-PLB-NL

* **Grip Joint** can be ordered by inserting “-G” into the catalog number. Example: LYLB141-233-G-NL

► Ultra-Tite is available. Insert “-U-NA” into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: LYLB141-233-U-NA-NL

** **The double purpose coupling** connects to either 3/4" threaded iron pipe or 3/4" flared copper tubing.

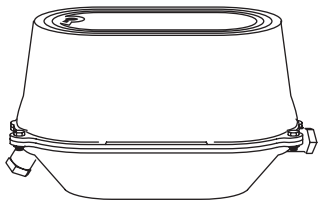
Gaskets are furnished – Flat gaskets for valve and outlet saddles; beveled and flat gaskets for expansion connections.

Ford Long Yokeboxes have a locking iron lid as standard. An optional lockless iron lid can be ordered by inserting “-LL” into the catalog number. Example: LYLVV122-233-LL-NL

A lockable expansion connection is available. See pages 9 and 10.

Plastic Upper Section (7" high) for all LYL Long Yokeboxes. Insert the letter “P” into the catalog number. Example: LYLVP111-233-NL
Deduct 17 lbs from approximate shipping weight and deduct **$ -81.62** from the list price above.

FORD LONG YOKEBOXES FOR 5/8" X 3/4" METERS
Center Line of Meter 8" Below Grade
Angle Inlet - Straight Outlet



ANGLE BALL VALVE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
LYLB222-233-NL	3/4" Flare Copper	3/4" Flare Copper	47.0	**$ 676.35**
► **LYLB241-233-NL**	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	47.0	**672.68**
LYLB241-243-NL	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	47.0	**698.93**
► **LYLB244-233-NL**	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	47.0	**691.06**
► **LYLB261-233-NL**	3/4" Pack Joint for PE Pipe*	3/4" Female Iron Pipe Threads	46.9	**684.40**
► **LYLB266-233-NL**	3/4" Pack Joint for PE Pipe*	3/4" Pack Joint for PE Pipe*	47.0	**711.72**

ANGLE BALL VALVE INLET - STRAIGHT BALL VALVE OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
LYLBB222-233-NL	3/4" Flare Copper	3/4" Flare Copper	48.0	**$ 808.95**
► **LYLBB241-233-NL**	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	48.0	**797.53**
LYLBB241-243-NL	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	48.0	**823.81**
► **LYLBB244-233-NL**	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	48.0	**816.04**
► **LYLBB261-233-NL**	3/4" Pack Joint for PE Pipe*	3/4" Female Iron Pipe Threads	48.0	**809.35**

ANGLE KEY VALVE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
LYLV221-233-NL	3/4" Flare Copper	3/4" Female Iron Pipe Threads	47.0	**$ 582.95**
LYLV222-233-NL	3/4" Flare Copper	3/4" Flare Copper	47.0	**592.82**
► **LYLV241-233-NL**	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	47.0	**585.25**
LYLV241-243-NL	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	47.0	**616.72**
► **LYLV244-233-NL**	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	47.0	**602.10**
► **LYLV261-233-NL**	3/4" Pack Joint for PE Pipe*	3/4" Female Iron Pipe Threads	48.4	**598.59**
LYLV261-243-NL	1" Pack Joint for PE Pipe*	3/4" Female Iron Pipe Threads	47.0	**646.73**

ANGLE KEY VALVE INLET - STRAIGHT KEY VALVE OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
LYLVV221-233-NL	3/4" Flare Copper	3/4" Double Purpose**	47.0	**$ 674.76**
LYLVV222-233-NL	3/4" Flare Copper	3/4" Flare Copper	48.0	**685.23**
► **LYLVV241-233-NL**	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose**	48.0	**675.39**
► **LYLVV244-233-NL**	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	48.0	**692.13**
►**LYLVV261-233-NL**	3/4" Pack Joint for PE Pipe*	3/4" Double Purpose**	48.0	**693.36**
LYLVV261-243-NL	1" Pack Joint for PE Pipe*	3/4" Double Purpose**	48.0	**789.65**

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

All Ford Long Yokeboxes include an ASSE 1024 approved cartridge style dual check valve contained completely within the Yokebox.

Ordering Information

Plastic lid option: Insert "-P" into the catalog number for locking plastic lid Example: LYLBxxx-xxx-P-NL..... **no additional charge**
Insert "-PB" into the catalog number for locking plastic lid with ERT bracket, add to price.....**$ 7.86**
Example: LYLBxxx-xxx-PB-NL
Insert "-PLB" into the catalog number for locking plastic lid with large ERT bracket, add to price.....**$ 30.84**
Example: LYLBxxx-xxx-PLB-NL

***** **Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: LYLB241-233-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: LYLV241-233-U-NA-NL

** **The double purpose coupling** connects to either 3/4" threaded iron pipe or 3/4" flared copper tubing.

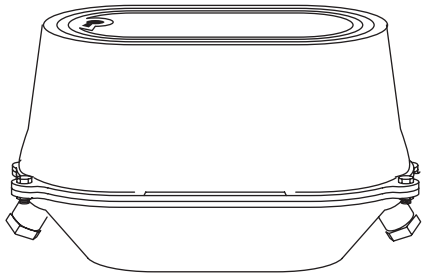
Gaskets are furnished – Flat gaskets for valve and outlet saddles; beveled and flat gaskets for expansion connections.

Ford Long Yokeboxes have a locking iron lid as standard. An optional lockless iron lid can be ordered by inserting "-LL" into the catalog number. Example: LYLVV241-233-LL-NL

A lockable expansion connection is available. See pages 9 and 10.

Plastic Upper Section (7" high) for all LYL Long Yokeboxes. Insert the letter "P" into the catalog number. Example: LYLVP111-233-NL
Deduct 17 lbs from approximate shipping weight and deduct **$ -81.62** from the list price above.

FORD LONG YOKEBOXES FOR 5/8" X 3/4" METERS
Center Line of Meter 8" Below Grade
Angle Inlet - Angle Outlet



C

ANGLE BALL VALVE INLET - ANGLE BALL VALVE OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
LYLBB322-233-NL	3/4" Flare Copper	3/4" Flare Copper	48.0	**$ 811.51**
► **LYLBB344-233-NL**	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	48.0	**812.21**
LYLBB344-243-NL	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	48.0	**838.44**
► **LYLBB344-244-NL**	1" Pack Joint for Copper or Plastic Tubing (CTS)*	1" Pack Joint for Copper or Plastic Tubing (CTS)*	48.0	**864.65**
► **LYLBB366-233-NL**	3/4" Pack Joint for PE Pipe*	3/4" Pack Joint for PE Pipe*	48.0	**835.71**

ANGLE KEY VALVE INLET - ANGLE OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
LYLV322-233-NL	3/4" Flare Copper	3/4" Flare Copper	47.0	**$ 593.88**
► **LYLV344-233-NL**	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	48.4	**599.45**
LYLV344-243-NL	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	48.0	**613.99**

ANGLE KEY VALVE INLET - ANGLE KEY VALVE OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
LYLVV322-233-NL	3/4" Flare Copper	3/4" Flare Copper	48.0	**$ 651.45**
► **LYLVV344-233-NL**	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	48.0	**652.20**
► **LYLVV366-233-NL**	3/4" Pack Joint for PE Pipe*	3/4" Pack Joint for PE Pipe*	48.0	**681.12**

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

All Ford Long Yokeboxes include an ASSE 1024 approved cartridge style dual check valve contained completely within the Yokebox.

Ordering Information

Plastic lid option: Insert "-P" into the catalog number for locking plastic lid..... **no additional charge**
Example: LYLBBxxx-xxx-P-NL
Insert "-PB" into the catalog number for locking plastic lid with ERT bracket, add to price..... **$ 7.86**
Example: LYLBBxxx-xxx-PB-NL
Insert "-PLB" into the catalog number for locking plastic lid with large ERT bracket, add to price..... **$ 30.84**
Example: LYLBBxxx-xxx-PLB-NL

* **Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: LYLBB344-233-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: LYLBB344-233-U-NA-NL

** **The double purpose coupling** connects to either 3/4" threaded iron pipe or 3/4" flared copper tubing.

Gaskets are furnished – Flat gaskets for valve and outlet saddles; beveled and flat gaskets for expansion connections.

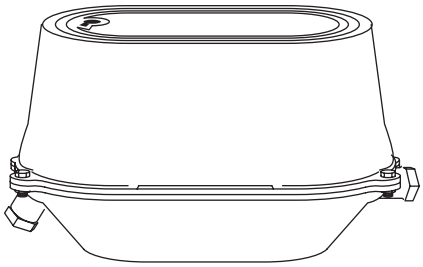
Ford Long Yokeboxes have a locking iron lid as standard. An optional lockless iron lid can be ordered by inserting "-LL" into the catalog number. Example: LYLVV322-233-LL-NL

A lockable expansion connection is available. See pages 9 and 10.

Plastic Upper Section (7" high) for all LYL Long Yokeboxes. Insert the letter "P" into the catalog number. Example: LYLVP322-233-NL
Deduct 17 lbs from approximate shipping weight and deduct **$ -81.62** from the list price above.

FORD LONG YOKEBOXES FOR 3/4" METERS
Center Line of Meter 8" Below Grade
Angle Inlet - Straight Outlet

All Ford Long Yokeboxes for 3/4" meters have an angle inlet key valve.



C

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Angle Valve Inlet	Straight Outlet		
LYLV221-344-NL	1" Flare Copper	1" Female Iron Pipe Threads	47.0	**$ 673.03**
► **LYLV224-344-NL**	1" Flare Copper	1" Pack Joint for Copper or Plastic Tubing (CTS)*	47.0	**688.17**
► **LYLV241-344-NL**	1" Pack Joint for Copper or Plastic Tubing (CTS)*	1" Female Iron Pipe Threads	47.0	**680.11**
► **LYLV244-344-NL**	1" Pack Joint for Copper or Plastic Tubing (CTS)*	1" Pack Joint for Copper or Plastic Tubing (CTS)*	47.0	**693.36**

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

All Ford Long Yokeboxes include an ASSE 1024 approved
cartridge style dual check valve contained completely within the Yokebox.

All parts, options and accessories for 5/8", 5/8" x 3/4" and 3/4" Long Yokeboxes
are listed on pages C-9, C-10 and C-11.

Ordering Information

Plastic lid option: Insert "-P" into the catalog number for locking plastic lid.....**no additional charge**
Example: LYLVxxx-xxx-P-NL
Insert "-PB" into the catalog number for locking plastic lid with ERT bracket, add to price.....**$ 7.86**
Example: LYLVxxx-xxx-PB-NL
Insert "-PLB" into the catalog number for locking plastic lid with large ERT bracket, add to price.....**$ 30.84**
Example: LYLVxxx-xxx-PLB-NL

* **Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: LYLV241-344-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability.
Example: LYLV224-344-U-NA-NL

** **The double purpose coupling** connects to either 3/4" threaded iron pipe or 3/4" flared copper tubing.

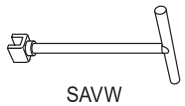
Gaskets are furnished – Flat gaskets for valve and outlet saddles; beveled and flat gaskets for expansion connections.

Ford Long Yokeboxes have a locking iron lid as standard. An optional lockless iron lid can be ordered by inserting "-LL" into the catalog number.
Example: LYLV244-344-LL-NL

A lockable expansion connection is available. See page 10.

Plastic Upper Section (7" high) for all LYL Long Yokeboxes. Insert the letter "P" into the catalog number. Example: LYLVP224-344-NL
Deduct 17 lbs from approximate shipping weight and deduct **$ -81.62** from the list price above.

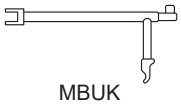
FORD LONG YOKEBOX OPTIONS AND ACCESSORIES
for 5/8", 5/8" x 3/4" Long Yokeboxes


SAVW


MBVW


9503


MBLK


MBUK


YEW-3

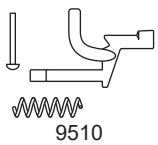
OPTIONS AND ACCESSORIES FOR LONG YOKEBOXES

Catalog Number	Description	List Price
LYGA	Grade Adjuster for Long Yokebox	**$ 145.65**
LYPR-4	4" Plastic Riser for Long Yokebox	**49.86**
LYIR-2	2" Iron Riser for Long Yokebox with Mounting Hardware	**72.40**
LYIR-4	4" Iron Riser for Long Yokebox with Mounting Hardware	**153.49**
LYIR-6	6" Iron Riser for Long Yokebox with Mounting Hardware	**185.17**
TP	Removable Cast Iron Plug (with cotter pin) for Electronic Meter Reading Module Hole	**9.97**
SAVW	Ball Valve Yokebox Wrench	**20.98**
MBVW	Yokebox Key Valve Wrench (18" long)	**73.33**
9503	Padlock Plate for Key Valve, Angle or Straight	**4.72**
FLYB-AVLP	Padlock Plate for Angle Ball Valve for Long Yokebox	**12.10**
FLYB-BVLP	Padlock Plate for Straight Ball Valve for Long Yokebox	**12.10**
FLYB-BVLP-R	Padlock Plate for Ball Valve Long Yokebox with Plastic Riser	**16.01**
FYBKVLP-AV-SV	Padlock Plate for Straight or Angle Key Valve with or without Plastic Riser	**16.01**
MBLK	Yokebox Lid Key	**20.33**
MBUK	Meter Box Universal Key for Locking Lids, Lockless Lids and Yokebox Valves	**60.97**
PTP	Removable Plastic Plug / Nut for Electronic Meter Reading Lid Hole	**11.58**
PTP-BR	Removable Plastic Plug for Electronic Meter Reading Lid Hole with ERT Bracket	**16.12**
PBR-YL-LYL	Plastic ERT Bracket with (3) Stainless Steel Clips (field installation only on plastic lid)	**9.68**
PLBR-YL-LYL	Plastic Large ERT Bracket w/ (3) Stainless Steel Clips (field installation only on plastic lid)	**32.64**
9505	Combination Yokebox / Dallas Lid Key	**80.13**
YEW-1	5/8" Expansion Connection Wrench	**20.58**
YEW-3	5/8" x 3/4" Expansion Connection Wrench	**22.67**
9508	Combination Yokebox - Pentagon Bolt Key	**102.84**
Insert "P" into Catalog Number	Plastic Shallow Type (YL) Upper Section (7" high) **Deduct** from Price Example: LYLBP222-233-NL	**-81.62**
Insert "-PB" into Catalog Number	Plastic Locking Lid with ERT Bracket Example: LYLB222-233-PB-NL	**7.86**
Insert "-PLB" into Catalog Number	Plastic Locking Lid with Large ERT Bracket Example: LYLB222-233-PLB-NL	**30.84**
Insert "-PTP" into Catalog Number	Removable Plastic Plug / Nut for Electronic Meter Reading Lid Hole Example: LYLB222-233-PTP-NL	**16.90**
Insert "-PTP-BR" into Catalog Number	Removable Plastic Plug for Electronic Meter Reading Lid Hole with ERT Bracket Example: LYLB222-233-PTP-BR-NL	**21.45**
Insert "-T" into Catalog Number	Electronic Meter Read Feature on Lid (2" hole) Add to Price Example: LYLB222-233-T-NL	**5.31**
Insert "-TP" into Catalog Number	Electronic Meter Read Feature on Lid (2" hole), with Removable Iron Plug Add to Price Example: LYLB222-233-TP-NL	**15.30**
Insert "-G" into Catalog Number	Grip Joint for CTS Add to Price Example: LYLB244-233-G-NL	**0.00**
Insert "-SP" into Catalog Number	Spacer in Lieu of Dual Check Valve **Deduct** from Price Example: LYLB244-233-SP-NL	**-88.19**
Insert "-LL" into Catalog Number	Lockless Lid on Long Yokebox Example: LYLVV122-233-LL-NL No Charge	**0.00**
Insert "P4" into Catalog Number	4" Polystyrene Riser Attached Between Base and Upper Section Example: LYLB244-233-P4-NL	**49.86**

Insert into the Catalog Number	Description	5/8" Meter Size Add to Price	5/8" x 3/4" Meter Size Add to Price
Insert "-XA" into Catalog Number	Locking Expansion Connection **without** Ford Security Screw Example: LYLB244-233-XA-NL	**$ 39.03**	**$ 44.31**
Insert "-XB" into Catalog Number	Locking Expansion Connection **with** Ford Security Screw Example: LYLB244-233-XB-NL	**45.54**	**50.82**

CHECK VALVES, UPPER SECTIONS, LIDS AND GASKETS FOR LONG YOKEBOXES


9508


9510

Catalog Number	Description	List Price
LYL	Iron Locking Lid for Long Yokebox	**$ 48.70**
LYLL	Iron Lockless Lid for Long Yokebox	**48.70**
LYL-T	Iron Locking Electronic Read Lid with 2" Hole (for Long Yokebox)	**54.03**
LYLP	Plastic Long Yokebox Lid	**48.70**
LYLP-BR	Plastic Long Yokebox Lid with ERT Bracket	**56.57**
LYLP-LBR	Plastic Long Yokebox Lid with Large ERT Bracket	**79.55**
LYIB	Shallow Type (LYL) Upper Casting (7" high) (for Long Yokebox)	**167.85**
LYPB	Shallow Plastic Type (LYL) Upper Section (7" high) (for Long Yokebox)	**86.26**
GT-112	5/8" Rubber Gaskets for Valve and Outlet Saddles	**0.49**
GT-118	5/8" x 3/4" Rubber Gaskets for Valve and Outlet Saddles	**0.65**
9500	(Each) Stainless Steel Bolt and Nut for Connecting Upper and Base Castings (4 required)	**1.34**
9510	Lock Assembly (bolt, spring and rivet)	**10.57**
HHCI33-311-NL	Cartridge Style Dual Check Valve for Long Yokebox, for 5/8" Meter	**141.10**
HHCI33-322-3-5-PE-NL	Cartridge Style Dual Check Valve for Double Valve Type Long Yokebox, for 5/8" x 3/4" Meter, Plain End Outlet	**141.10**
HHCI33-322-NL	Cartridge Style Dual Check Valve for Single Valve Type Long Yokebox, for 5/8" x 3/4" Meter	**141.10**

EXPANSION CONNECTION OPTIONS
for 5/8" and 5/8" x 3/4" Long Yokeboxes

Catalog Number	Description	List Price
EC-1-NL	Expansion Connection for 5/8" Meter	**$ 42.33**
ECL-1-NL	Locking Expansion Connection for 5/8" Meter **without** Security Screw	**81.36**
ECL-1-SSF-NL	Locking Expansion Connection for 5/8" Meter **with** Security Screw	**87.87**
EC-23-NL	Expansion Connection for 5/8" x 3/4" Meter	**47.96**
ECL-23-NL	Locking Expansion Connection for 5/8" x 3/4" Meter **without** Security Screw	**92.26**
ECL-23-SSF-NL	Locking Expansion Connection for 5/8" x 3/4" Meter **with** Security Screw	**98.79**
GT-32	5/8" Beveled Expansion Connection Gasket	**1.37**
GT-33	5/8" x 3/4" Beveled Expansion Connection Gasket	**1.67**
GT-210	5/8" Flat Expansion Connection Gasket	**1.23**
GT-196	5/8" x 3/4" Flat Expansion Connection Gasket	**1.58**
BOLT-800998-SSF	Security Screw (fits all locking expansions)	**7.26**
KEY-800999-SSF	Security Key / Tip Only for Locking Expansion Connection	**83.34**
NUT-DR-040072-SSF	Magnetic Nut Driver Less Key / Tip	**43.58**

C

FORD KEY VALVE LONG YOKEBOX PARTS
for 5/8" and 5/8" x 3/4" Long Yokeboxes

VALVES, OUTLETS AND BASE FOR KEY VALVE TYPE LONG YOKEBOX for 5/8" and 5/8" x 3/4" METER

Catalog Number	Description	List Price
LYBC-KV	Base (or bottom) Casting for Key Valve Long Yokebox	**$ 116.12**
YBAO23-31-NL	Angle Outlet for 5/8" Meter with 3/4" Flare Copper Connection	**49.56**
YBAO23-32-NL	Angle Outlet for 5/8" x 3/4" Meter with 3/4" Flare Copper Connection	**49.56**
► **YBAO43-32-NL**	Angle Outlet for 5/8" x 3/4" Meter with Pack Joint for 3/4" Copper or Plastic Tube (CTS)*	**58.81**
YBAV23-31-NL	Angle Valve for 5/8" Meter, Inlet for 3/4" Flare Copper	**109.38**
► **YBAV43-31-NL**	Angle Valve for 5/8" Meter, Inlet Pack Joint for 3/4" Copper or Plastic Tube (CTS)*	**112.89**
YBAV43-42-NL	Angle Valve for 5/8" x 3/4" Meter, Inlet Pack Joint for 1" Copper or Plastic Tube (CTS)*	**132.61**
YBAV23-32-NL	Angle Valve for 5/8" x 3/4" Meter, Inlet for 3/4" Flare Copper	**109.38**
► **YBAV43-32-NL**	Angle Valve for 5/8" x 3/4" Meter, Inlet Pack Joint for 3/4" Copper or Plastic Tube (CTS)*	**112.89**
► **YBAV63-32-NL**	Angle Valve for 5/8" x 3/4" Meter, Inlet Pack Joint for 3/4" PE Pipe*	**132.61**
YBAV63-42-NL	Angle Valve for 5/8" x 3/4" Meter, Inlet Pack Joint for 1" PE Pipe*	**189.60**
YBSV23-11-NL	Straight Valve for 5/8" Meter, Inlet for 1/2" Flare Copper	**121.02**
YBSV43-11-NL	Straight Valve for 5/8" Meter Inlet Pack Joint for 1/2" Copper or Plastic Tube (CTS)	**123.17**
YBSV13-31-NL	Straight Valve for 5/8" Meter, 3/4" Double Purpose Coupling Inlet	**132.99**
► **YBSV43-31-NL**	Straight Valve for 5/8" Meter, Inlet Pack Joint for 3/4" Copper or Plastic Tube (CTS)*	**136.70**
YBSV13-32-NL	Straight Valve for 5/8" x 3/4" Meter, 3/4" Double Purpose Coupling	**132.99**
YBSV23-32-NL	Straight Valve for 5/8" x 3/4" Meter, Inlet for 3/4" Flare Copper	**132.71**
► **YBSV43-32-NL**	Straight Valve for 5/8" x 3/4" Meter, Inlet Pack Joint for 3/4" Copper or Plastic Tube (CTS)*	**136.70**
YBSV43-42-NL	Straight Valve for 5/8" x 3/4" Meter, Inlet Pack Joint for 1" Copper or Plastic Tube (CTS)*	**162.08**
► **YBSV63-32-NL**	Straight Valve for 5/8" x 3/4" Meter, Inlet Pack Joint for 3/4" PE Pipe*	**162.08**
YBSV73-32-NL	Straight Valve for 5/8" x 3/4" Meter, Inlet Pack Joint for 3/4" PVC Pipe	**162.08**
YBSV83-32-NL	Straight Valve for 5/8" x 3/4" Meter, Inlet for 3/4" Male Iron Pipe Threads	**132.71**
YBSO13-31-NL	Straight Outlet for 5/8" Meter with 3/4" Female Iron Pipe Threads	**34.96**
YBSO83-31-NL	Straight Outlet for 5/8" Meter with 3/4" Male Iron Pipe Threads	**38.20**
► **YBSO43-31-NL**	Straight Outlet for 5/8" Meter with Pack Joint for 3/4" Copper or Plastic Tube (CTS)*	**57.59**
YBSO23-11-NL	Straight Outlet for 5/8" Meter with 1/2" Flare Copper Connection	**43.35**
YBSO43-11-NL	Straight Outlet for 5/8" Meter with Pack Joint for 1/2" Copper or Plastic Tube (CTS)	**45.52**
YBSO23-31-NL	Straight Outlet for 5/8" Meter with 3/4" Flare Copper Connection	**48.36**
YBSO13-32-NL	Straight Outlet for 5/8" x 3/4" Meter with 3/4" Female Iron Pipe Threads	**34.96**
YBSO23-32-NL	Straight Outlet for 5/8" x 3/4" Meter with 3/4" Flare Copper Connection	**48.36**
YBSO83-32-NL	Straight Outlet for 5/8" x 3/4" Meter with 3/4" Male Iron Pipe Threads	**38.20**
► **YBSO43-32-NL**	Straight Outlet for 5/8" x 3/4" Meter with Pack Joint for 3/4" Copper or Plastic Tube (CTS)*	**57.59**
YBSO43-42-NL	Straight Outlet for 5/8" x 3/4" Meter with Pack Joint for 1" Copper or Plastic Tube (CTS)*	**72.01**
YBSO73-32-NL	Straight Outlet for 5/8" x 3/4" Meter with Pack Joint for 3/4" PVC/IPS PE	**72.01**
► **YBSO63-32-NL**	Straight Outlet for 5/8" x 3/4" Meter with Pack Joint for 3/4" PE Pipe*	**72.01**

NOTE: Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11.

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

***** **Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: YBAO43-32-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: YBAO43-32-U-NA-NL

NOTE: Installation screws are included with Yokebox valves and outlet pieces.

FORD BALL VALVE LONG YOKEBOX PARTS
for 5/8" and 5/8" x 3/4" Long Yokeboxes

VALVES, OUTLETS AND BASE FOR BALL VALVE TYPE LONG YOKEBOXES FOR 5/8" AND 5/8" X 3/4" METER

Catalog Number	Description	List Price
LYBC-BV	Base (or Bottom) Casting for Ball Valve Long Yokebox	$ 116.12
LYABV23-232-NL	5/8" x 3/4" Angle Ball Valve for Long Yokebox, 3/4" Flare Copper	217.80
♦► LYABV43-232-NL	5/8" x 3/4" Angle Ball Valve for Long Yokebox, 3/4" CTS *	221.32
LYABV43-242-NL	5/8" x 3/4" Angle Ball Valve for Long Yokebox, 1" CTS *	256.87
► LYABV63-232-NL	5/8" x 3/4" Angle Ball Valve for Long Yokebox, 3/4" PE Pipe *	237.30
LYSOB31-13-NL	Straight Outlet for 5/8" Meter Ball Valve Long Yokebox, 3/4" FIP	44.79
LYSOB31-23-NL	Straight Outlet for 5/8" x 3/4" Meter Ball Valve Long Yokebox, 3/4" FIP	44.79
LYSOB32-13-NL	Straight Outlet for 5/8" Meter Ball Valve Long Yokebox, 3/4" Flare Copper	53.23
LYSOB32-23-NL	Straight Outlet for 5/8" x 3/4" Meter Ball Valve Long Yokebox, 3/4" Flare Copper	53.23
► LYSOB34-23-NL	Straight Outlet for 5/8" x 3/4" Meter Ball Valve Long Yokebox, 3/4" CTS *	69.79
► LYSOB36-23-NL	Straight Outlet for 5/8" x 3/4" Meter Ball Valve Long Yokebox, 3/4" PE Pipe *	82.46
YBBVL13-231-NL	Straight 5/8" YB Ball Valve for 3/4" Female Iron Pipe	170.45
YBBV13-232-NL	Straight 5/8" x 3/4" YB Ball Valve for 3/4" Female Iron Pipe	170.45
YBBV13-242-NL	Straight 5/8" x 3/4" YB Ball Valve for 1" Female Iron Pipe	188.36
YBBVL23-231-NL	Straight 5/8" YB Ball Valve for 3/4" Flare Copper	192.34
YBBV23-232-NL	Straight 5/8" x 3/4" YB Ball Valve for 3/4" Flare Copper	192.34
► YBBVL43-231-NL	Straight 5/8" YB Ball Valve for 3/4" CTS *	195.52
♦► YBBV43-232-NL	Straight 5/8" x 3/4" YB Ball Valve for 3/4" CTS *	195.52
YBBV43-242-NL	Straight 5/8" x 3/4" YB Ball Valve for 1" CTS *	230.70
YBBV63-232-NL	Straight 5/8" x 3/4" YB Ball Valve for 3/4" PE Pipe*	230.70
YBBV73-232-NL	Straight 5/8" x 3/4" YB Ball Valve for 3/4" PVC/IPS PE	230.70

***** **Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: LYABV43-232-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: YBBV43-232-Q-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: LYABV43-232-U-NA-NL

NOTE: Installation screws are included with Yokebox valves and outlet pieces.

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

FORD KEY VALVE LONG YOKEBOX PARTS
for 3/4" Long Yokeboxes

VALVES, OUTLETS AND BASE FOR KEY VALVE TYPE LONG YOKEBOXES, FOR 3/4" METER

Catalog Number	Description	List Price
LYBC-KV3	Base (or bottom) Casting for 3/4" Key Valve Long Yokebox	$ 169.18
EC-23-SF-NL	2-Part Expansion Connection for 3/4" Meter	61.42
HHCI33-322-NL	Cartridge Style Dual Check Valve for Single Valve Type 3/4" Meter Long Yokebox	141.10
GGAV23-343-NL	Angle Valve for 3/4" Meter, Inlet for 1" Flare Copper	134.78
► GGAV43-343-NL	Angle Valve for 3/4" Meter, Inlet Pack Joint for 1" Copper or Plastic Tube (CTS)*	141.70
GGO13-343-NL	Straight Outlet for 3/4" Meter with 1" Female Iron Pipe Threads	55.77
► GGO43-343-NL	Straight Outlet for 3/4" Meter with Pack Joint for 1" Copper or Plastic Tube (CTS)*	68.44

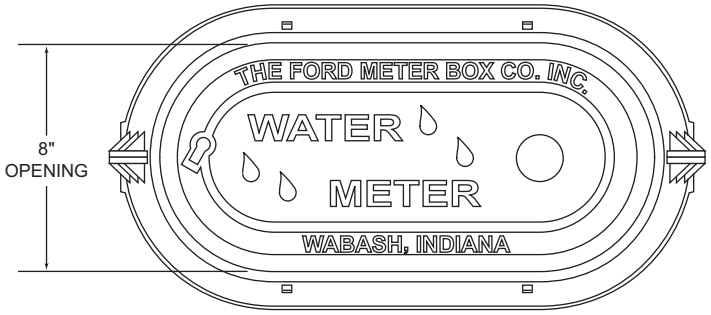
***** **Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: GGAV43-343-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: GGAV43-343-U-NA-NL

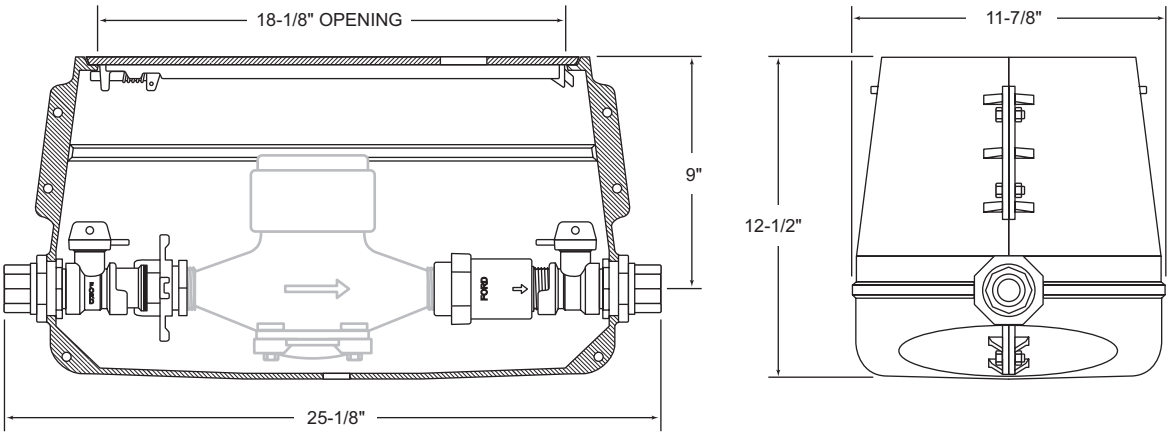
NOTE: Installation screws are included with Yokebox valves and outlet pieces.

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

FORD LONG YOKEBOX FOR 1" METERS
Center Line of Meter 9" Below Grade
Straight Inlet - Straight Outlet



The Long Yokebox for 1" meters has a two-piece body and a locking lid. A straight ball valve on the inlet and outlet is standard.



LONG YOKEBOXES FOR 1" METERS

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Straight Inlet	Straight Outlet		
LYLBB111-444-NL	1" Female Iron Pipe Threads	1" Female Iron Pipe Threads	78.4	**$ 1032.43**
LYLBB121-444-NL	1" Flare Copper Tube Nut	1" Female Iron Pipe Threads	78.9	**1056.09**
LYLBB122-444-NL	1" Flare Copper Tube Nut	1" Flare Copper Tube Nut	79.4	**1079.74**
►♦ LYLBB141-444-NL	1" Pack Joint for Plastic or Copper Tubing (CTS)*	1" Female Iron Pipe Threads	78.7	**1062.29**
►♦ LYLBB144-444-NL	1" Pack Joint for Copper or Plastic Tubing (CTS)*	1" Pack Joint for Copper or Plastic Tubing (CTS)*	79.0	**1092.24**

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

All Ford Long Yokeboxes include an ASSE 1024 approved cartridge style dual check valve contained completely within the Yokebox.

Ordering Information

Plastic lid option: Insert "-P" into the catalog number for locking plastic lid.....**no additional charge**
Example: LYLBBxxx-xxx-P-NL
Insert "-PB" into the catalog number for locking plastic lid with ERT bracket, add to price.....**$ 7.86**
Example: LYLBBxxx-xxx-PB-NL
Insert "-PLB" into the catalog number for locking plastic lid with large ERT bracket, add to price.....**$ 30.84**
Example: LYLBBxxx-xxx-PLB-NL

***** **Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: LYLBB141-444-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: LYLBB141-444-Q-NL

► Ultra-Tite is available by inserting "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: LYLBB141-444-U-NA-NL

Gaskets are furnished – Flat gaskets for valve and outlet saddles; beveled and flat gaskets for expansion connections.

Ford 1" Long Yokeboxes have a locking iron lid as standard.

A lockable expansion connection is available. See page 13.

The ball valve inlet and outlet attach to the 1" Long Yokebox by using a brass lock nut. Brass components are not assembled to box in order to prevent damage during shipping, storage and handling.

FORD LONG YOKE BOX OPTIONS AND ACCESSORIES
For 1" Long Yokeboxes

EXPANSION CONNECTIONS OPTIONS FOR 1" LONG YOKEBOXES

Catalog Number	Description	List Price
EC-4-NL	Expansion Connection for 1" Meter	**$ 80.57**
ECL-4-NL	Locking Expansion Connection for 1" Meter **without** Security Screw	**139.71**
ECL-4-SSF-NL	Locking Expansion Connection for 1" Meter **with** Security Screw	**146.22**
GT-211	1" Flat Expansion Connection Gasket	**1.84**
GT-123	1" Rubber Gasket for Saddle	**0.75**
GT-34	1" Beveled Expansion Connection Gasket	**2.18**
BOLT-800998-SSF	Security Screw (fits all Ford locking expansions)	**7.26**
KEY-800999-SSF	Security Key / Tip Only for Locking Expansion Connection	**83.34**
NUT-DR-040072-SSF	Magnetic Nut Driver Less Key / Tip	**43.58**

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VALVES AND PARTS FOR 1" LONG YOKEBOXES

Catalog Number	Description	Approx. Wt. Lbs.	List Price
HHCI33-444-3-937PE-NL	Cartridge Style Dual Check Valve for 1" Long Yokebox	2.8	**$ 321.75**
LYBB-4	Body Assembly for 1" Long Yokebox	57.2	**262.44**
LY4GA	Iron Grade Adjuster for 1" Long Yokebox	19.4	**174.84**
LY4IR-2	2" Iron Riser for 1" Long Yokebox	12.2	**155.04**
LYL-4	Iron Locking Lid for 1" Long Yokebox	11.0	**106.78**
LYLP-4	Plastic Locking Lid for 1" Long Yokebox	2.4	**106.78**
LYLP-4-BR	Plastic Locking Lid with ERT Bracket for 1" Long Yokebox	2.6	**114.66**
LYLP-4-LBR	Plastic Locking Lid with Large ERT Bracket for 1" Long Yokebox	2.8	**137.61**
PBR-YJ	Plastic ERT Bracket with (3) Stainless Steel Clips (field installation only on plastic lids)	0.1	**9.68**
YBBV13-344W-NL	1" Long Yokebox Ball Valve for 1" FIP	3.1	**197.75**
YBBV43-344W-NL	1" Long Yokebox Ball Valve with Pack Joint for 1" CTS	3.4	**239.32**
YBBV43-344W-G-NL	1" Long Yokebox Ball Valve with Grip Joint for 1" CTS	3.4	**239.32**
YBBV43-344W-Q-NL	1" Long Yokebox Ball Valve with Quick Joint for 1" CTS	3.5	**239.32**
YBBV23-344W-NL	1" Long Yokebox Ball Valve for 1" Flare Copper	3.6	**223.13**

NOTE: "W" indicates valve is available only with padlock wings.

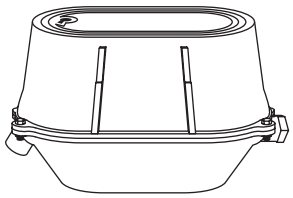
NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

OPTIONS AND ACCESSORIES FOR 1" LONG YOKEBOXES

Catalog Number	Description		List Price
PTP	Removable Plastic Plug / Nut for Electronic Meter Reading Lid Hole		**$ 11.58**
PTP-BR	Removable Plastic Plug for Electronic Meter Reading Lid Hole with ERT Bracket		**16.12**
MBLK	Yokebox Lid Key		**20.33**
MBUK	Meter Box Universal Key for Locking Lids, Lockless Lids and Yokebox Valves		**60.97**
TP	Removable Cast Iron Plug for Electronic Meter Reading Module Hole (with cotter pin)		**9.97**
TP-PIN-800846	Cotter Pin only for Cast Iron Plug		**1.02**
Insert "-SP" into Catalog Number	Spacer in Lieu of Dual Check Valve Example: LYLBB141-444-SP-NL	**Deduct** from Price	**-205.83**
Insert "P" into Catalog Number	Plastic Locking Lid Example: LYLBB141-444-P-NL	No Charge	**0.00**
Insert "-PB" into Catalog Number	Plastic Locking Lid with ERT Bracket Example: LYLBB141-444-PB-NL		**7.86**
Insert "-PTP" into Catalog Number	Removable Plastic Plug / Nut for Electronic Meter Reading Lid Hole Example: LYLBB141-444-PTP-NL		**16.90**
Insert "-PTP-BR" into Catalog Number	Removable Plastic Plug for Electronic Meter Reading Lid Hole with ERT Bracket Example: LYLBB141-444-PTP-BR-NL		**21.45**
Insert "-T" into Catalog Number	Electronic Read Iron Lid (2" hole) Example: LYLBB141-444-T-NL		**5.31**
Insert "-TP" into Catalog Number	Electronic Read Iron Lid (2" hole), with Removable Plug Example: LYLBB141-111-TP-NL		**15.30**
Insert "-XA" into Catalog Number	Locking Expansion Connection **without** Ford Security Screw Example: LYLBB141-444-XA-NL		**59.13**
Insert "-XB" into Catalog Number	Locking Expansion Connection **with** Ford Security Screw Example: LYLBB141-444-XB-NL		**65.64**
Insert "-XC" into Catalog Number	Expansion Connection with Single Check for 1" Long Yokeboxes Example: LYLBB141-444-XC-NL		**45.49**

YOKEBOXES FOR 5/8" METER

Extra Shallow Type For Modern Magnetic or Multi-Jet Meters
(center line of meter 5" below grade)



STRAIGHT BALL VALVE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YSB111-133-NL	3/4" Female Iron Pipe Threads	3/4" Female Iron Pipe Threads	27.1	**$ 369.60**
YSB122-133-NL	3/4" Flare Copper	3/4" Flare Copper	27.9	**374.33**
►YSB141-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	29.0	**386.09**
►YSB144-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	29.0	**401.89**

STRAIGHT KEY VALVE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YS111-133-NL	3/4" Double Purpose**	3/4" Female Iron Pipe Threads	29.0	**$ 345.37**
YS112-133-NL	3/4" Double Purpose**	3/4" Flare Copper	29.0	**354.54**
YS122-111-NL	1/2" Flare Copper	1/2" Flare Copper	27.0	**341.22**
►YS141-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	28.0	**347.34**
YS144-111-NL	1/2" Pack Joint for Copper or Plastic Tubing (CTS)	1/2" Pack Joint for Copper or Plastic Tubing (CTS)	29.0	**345.72**
►YS144-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	28.0	**363.11**

STRAIGHT BALL VALVE INLET - STRAIGHT DUAL CHECK OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YSBHC111-133-NL	3/4" Female Iron Pipe Threads	3/4" Female Iron Pipe Threads	30.0	**$ 459.35**
YSBHC122-133-NL	3/4" Flare Copper	3/4" Flare Copper	30.0	**464.05**
►YSBHC141-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	30.0	**475.71**
►YSBHC144-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	30.0	**488.34**

ANGLE KEY VALVE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YS221-133-NL	3/4" Flare Copper	3/4" Female Iron Pipe Threads	28.0	**$ 328.06**
YS222-133-NL	3/4" Flare Copper	3/4" Flare Copper	27.0	**337.06**
►YS241-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	28.0	**330.59**
►YS242-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Flare Copper	28.0	**340.21**
►YS244-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	28.0	**346.41**

ANGLE KEY VALVE INLET - ANGLE OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YS322-133-NL	3/4" Flare Copper	3/4" Flare Copper	28.0	**$ 338.22**
►YS342-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Flare Copper	28.0	**340.72**

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

Ordering Information

Insert "-P" into the catalog number for locking plastic lid. Example: YSBxxx-xxx-P-NL..... **no additional charge**

*** Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: YSB141-133-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: YSB141-133-U-NA-NL

** **The double purpose coupling** connects to either 3/4" threaded iron pipe or 3/4" flared copper tubing.

Gaskets are furnished – Flat gaskets for valve and outlet saddles; beveled and flat gaskets for expansion connections.

Special expansion connection options are available. See page 22.

Ford Long Yokeboxes have a locking iron lid as standard. An optional lockless iron lid can be ordered by inserting "-LL" into the catalog number. Example: YSB111-133-LL-NL

YOKEBOXES FOR 5/8" METER (CONTINUED)
Shallow Type (center line of meter 8" below grade)

STRAIGHT BALL VALVE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YLB111-133-NL	3/4" Female Iron Pipe Threads	3/4" Female Iron Pipe Threads	29.9	$ 394.05
YLB122-133-NL	3/4" Flare Copper	3/4" Flare Copper	35.0	398.82
►YLB141-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	30.3	410.44
►YLB144-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	30.6	426.27

STRAIGHT KEY VALVE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YL111-133-NL	3/4" Double Purpose**	3/4" Female Iron Pipe Threads	35.0	$ 369.63
YL112-133-NL	3/4" Double Purpose**	3/4" Flare Copper	36.0	379.47
YL122-111-NL	1/2" Flare Copper	1/2" Flare Copper	34.0	366.16
►YL141-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	35.0	372.25
YL144-111-NL	1/2" Pack Joint for Copper or Plastic Tubing (CTS)	1/2" Pack Joint for Copper or Plastic Tubing (CTS)	35.0	370.15
►YL144-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	35.0	388.11

C

STRAIGHT BALL VALVE INLET - STRAIGHT DUAL CHECK OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Dual Check Outlet		
YLBHC111-133-NL	3/4" Female Iron Pipe Threads	3/4" Female Iron Pipe Threads	36.0	$ 483.71
YLBHC122-133-NL	3/4" Flare Copper	3/4" Flare Copper	36.0	488.45
►YLBHC141-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	36.0	500.25
►YLBHC144-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	36.0	512.78

STRAIGHT KEY VALVE INLET - STRAIGHT DUAL CHECK OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Dual Check Outlet		
►YLHC141-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	39.0	$ 475.30

ANGLE KEY VALVE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YL221-133-NL	3/4" Flare Copper	3/4" Female Iron Pipe Threads	35.0	$ 353.13
YL222-133-NL	3/4" Flare Copper	3/4" Flare Copper	34.0	361.99
►YL241-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	35.0	355.48
►YL242-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Flare Copper	35.0	365.19
►YL244-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	35.0	371.39

ANGLE KEY VALVE INLET - STRAIGHT DUAL CHECK OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Dual Check Outlet		
YLHC221-133-NL	3/4" Flare Copper	3/4" Female Iron Pipe Threads	39.0	$ 452.67
YLHC222-133-NL	3/4" Flare Copper	3/4" Flare Copper	39.0	465.65
►YLHC241-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	39.0	455.23
►YLHC244-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	39.0	474.55

ANGLE KEY VALVE INLET - ANGLE OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YL322-133-NL	3/4" Flare Copper	3/4" Flare Copper	36.0	$ 363.90
►YL342-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Flare Copper	36.0	365.62

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

Ordering Information

Plastic lid option: Insert "-P" into the catalog number for locking plastic lid.....**no additional charge**
Example: YLxxx-xxx-P-NL
Insert "-PB" into the catalog number for locking plastic lid with ERT bracket, add to price.....**$ 7.86**
Example: YLxxx-xxx-PB-NL
Add "-PLB" into the catalog number for locking plastic lid with large ERT bracket, add to price .....**$ 30.84**
Example: YLxxx-xxx-PLB-NL

* **Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: YL241-133-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability.
Example: YL241-133-U-NA-NL

** **The double purpose coupling** connects to either 3/4" threaded iron pipe or 3/4" flared copper tubing.
Special expansion connection options are available. See page 22.

Ford Long Yokeboxes have a locking iron lid as standard. An optional lockless iron lid can be ordered by inserting "-LL" into the catalog number.
Example: YLB111-133-LL-NL

Add **"JP"** to the end of the alpha code and insert **"-P"** into the catalog number on a YL Yokebox requiring a plastic enlarged upper section and plastic lid. Example: YLB**JP**xxx-xxx-**P**-NL. Deduct from price .....**$ -15.54**

YOKEBOXES FOR 5/8" METER (CONTINUED)

Deep Type (center line of meter 10" below grade)

STRAIGHT BALL VALVE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YMB111-133-NL	3/4" Female Iron Pipe Threads	3/4" Female Iron Pipe Threads	33.0	$ 415.77
YMB122-133-NL	3/4" Flare Copper	3/4" Flare Copper	35.0	420.80
►YMB141-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	35.0	436.41
►YMB144-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	33.7	448.34

STRAIGHT KEY VALVE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YM111-133-NL	3/4" Double Purpose**	3/4" Female Iron Pipe Threads	35.0	$ 391.49
YM112-133-NL	3/4" Double Purpose**	3/4" Flare Copper	35.0	401.01
YM122-111-NL	1/2" Flare Copper	1/2" Flare Copper	35.0	388.90
►YM141-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	35.0	394.37
YM144-111-NL	1/2" Pack Joint for Copper or Plastic Tubing (CTS)	1/2" Pack Joint for Copper or Plastic Tubing (CTS)	35.0	392.23
►YM144-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	35.0	410.22

C

STRAIGHT BALL VALVE INLET - STRAIGHT DUAL CHECK VALVE OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YMBHC111-133-NL	3/4" Female Iron Pipe Threads	3/4" Female Iron Pipe Threads	35.5	$ 505.43
YMBHC122-133-NL	3/4" Flare Copper	3/4" Flare Copper	36.0	510.58
► YMBHC141-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	36.0	522.37
► YMBHC144-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	36.0	534.81

STRAIGHT KEY VALVE INLET - STRAIGHT DUAL CHECK OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Dual Check Outlet		
YMHC141-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	40.0	$ 496.84

ANGLE KEY VALVE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YM221-133-NL	3/4" Flare Copper	3/4" Female Iron Pipe Threads	35.0	$ 375.16
YM222-133-NL	3/4" Flare Copper	3/4" Flare Copper	35.0	384.52
► YM241-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	35.0	377.76
► YM242-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Flare Copper	35.0	387.04
► YM244-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	35.0	393.50

ANGLE KEY VALVE INLET - STRAIGHT DUAL CHECK OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Dual Check Outlet		
YMHC221-133-NL	3/4" Flare Copper	3/4" Female Iron Pipe Threads	40.0	$ 477.27
YMHC222-133-NL	3/4" Flare Copper	3/4" Flare Copper	40.0	486.94
►YMHC241-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	40.0	480.31
►YMHC244-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	40.0	496.08

ANGLE KEY VALVE INLET - ANGLE OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YM322-133-NL	3/4" Flare Copper	3/4" Flare Copper	35.0	$ 385.25
► YM344-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	35.0	387.82

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

Ordering Information

Plastic lid option: Insert "-P" into the catalog number for locking plastic lid.....**no additional charge**
Example: YMxxx-xxx-P-NL
Insert "-PB" into the catalog number for locking plastic lid with ERT bracket, add to price .....**$ 7.86**
Example: YMxxx-xxx-PB-NL
Insert "-PLB" into the catalog number for locking plastic lid with large ERT bracket, add to price .....**$ 30.84**
Example: YMxxx-xxx-PLB-NL

* **Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: YM241-133-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability.
Example: YM241-133-U-NA-NL

** **The double purpose coupling** connects to either 3/4" threaded iron pipe or 3/4" flared copper tubing.
Special expansion connection options are available. See page 22.

Ford Yokeboxes have a locking iron lid as standard. An optional lockless iron lid can be ordered by inserting "-LL" into the catalog number.
Example: YM244-133-LL-NL

Add **"JP"** to the end of the alpha code and insert **"-P"** into the catalog number on a YM Yokebox requiring a plastic enlarged upper section and plastic lid. Example: YMB**JP**xxx-xxx-**P**-NL. Deduct from price .....**$ -23.81**

YOKEBOXES FOR 5/8" X 3/4" METER

Extra Shallow Type for Modern Magnetic or Multi-Jet Meters

(center line of meter 5" below grade)

STRAIGHT BALL VALVE INLET - STRAIGHT OUTLET

	Catalog Number	Description		Approx. Wt. Lbs.	List Price
		Inlet	Outlet		
	YSB111-233-NL	3/4" Female Iron Pipe Threads	3/4" Female Iron Pipe Threads	29.0	$ 373.67
	YSB122-233-NL	3/4" Flare Copper	3/4" Flare Copper	29.0	378.48
►	YSB141-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	29.0	390.12
►	YSB144-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	29.0	406.05
	YSB171-233-NL	3/4" Pack Joint for PVC/IPS PE	3/4" Female Iron Pipe Threads	29.0	419.84
	YSB177-233-NL	3/4" Pack Joint for PVC/IPS PE	3/4" Pack Joint for PVC/IPS PE	29.0	447.97

STRAIGHT KEY VALVE INLET - STRAIGHT OUTLET

	Catalog Number	Description		Approx. Wt. Lbs.	List Price
		Inlet	Outlet		
	YS111-233-NL	3/4" Double Purpose **	3/4" Female Iron Pipe Threads	29.0	$ 349.24
	YS112-233-NL	3/4" Double Purpose **	3/4" Flare Copper	29.0	358.68
	YS141-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	28.0	351.39
	YS141-243-NL	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	27.0	368.63
►	YS144-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	28.0	367.25
►	YS161-233-NL	3/4" Pack Joint for PE Pipe*	3/4" Female Iron Pipe Threads	27.0	368.63
►	YS164-233-NL	3/4" Pack Joint for PE Pipe*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	28.0	384.96
	YS171-233-NL	3/4" Pack Joint for PVC/IPS PE Pipe	3/4" Female Iron Pipe Threads	28.0	369.15
	YS177-233-NL	3/4" Pack Joint for PVC/IPS PE Pipe	3/4" Pack Joint for PVC/IPS PE Pipe	27.0	394.52

STRAIGHT BALL VALVE INLET - STRAIGHT DUAL CHECK OUTLET

	Catalog Number	Description		Approx. Wt. Lbs.	List Price
		Inlet	Outlet		
	YSBHC111-233-NL	3/4" Female Iron Pipe Threads	3/4" Female Iron Pipe Threads	30.0	$ 463.32
	YSBHC122-233-NL	3/4" Flare Copper	3/4" Flare Copper	30.0	468.12
►	YSBHC141-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	30.0	479.71
►	YSBHC144-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	30.0	492.43
	YSBHC147-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for PVC/IPS PE Pipe	30.0	510.88
	YSBHC171-233-NL	3/4" Pack Joint for PVC/IPS PE	3/4" Female Iron Pipe Threads	30.0	509.40
	YSBHC177-233-NL	3/4" Pack Joint for PVC/IPS PE	3/4" Pack Joint for PVC/IPS PE	30.0	540.63

ANGLE KEY VALVE INLET - STRAIGHT OUTLET

	Catalog Number	Description		Approx. Wt. Lbs.	List Price
		Inlet	Outlet		
	YS221-233-NL	3/4" Flare Copper	3/4" Female Iron Pipe Threads	28.0	$ 332.11
	YS222-233-NL	3/4" Flare Copper	3/4" Flare Copper	27.0	341.10
►♦	YS241-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	27.7	334.63
	YS241-243-NL	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	27.0	348.11
►♦	YS242-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Flare Copper	28.0	344.12
►	YS244-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	28.0	350.60
►	YS261-233-NL	3/4" Pack Joint for PE Pipe*	3/4" Female Iron Pipe Threads	27.0	348.11
	YS261-243-NL	1" Pack Joint for PE Pipe*	3/4" Female Iron Pipe Threads	27.0	390.98
►	YS262-233-NL	3/4" Pack Joint for PE Pipe*	3/4" Flare Copper	28.0	358.03
	YS262-243-NL	1" Pack Joint for PE Pipe*	3/4" Flare Copper	28.0	400.91
►	YS264-233-NL	3/4" Pack Joint for PE Pipe*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	28.0	364.63
	YS264-243-NL	1" Pack Joint for PE Pipe*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	28.0	407.51

ANGLE KEY VALVE INLET - ANGLE OUTLET

	Catalog Number	Description		Approx. Wt. Lbs.	List Price
		Inlet	Outlet		
	YS322-233-NL	3/4" Flare Copper	3/4" Flare Copper	28.0	$ 342.28
►♦	YS342-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Flare Copper	28.0	344.94
►	YS344-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	28.0	351.36

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

Ordering Information

Plastic lid option: Insert "-P" into the catalog number for locking plastic lid ..... **no additional charge**
Example: YSxxx-xxx-P-NL

* **Grip Joint** for CTS and PEP (3/4" and 1") can be ordered by inserting "-G" into the catalog number. Example: YSB141-233-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: YS241-233-Q-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: YS241-233-U-NA-NL

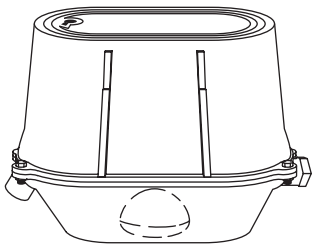
** **The double purpose coupling** connects to either 3/4" threaded iron pipe or 3/4" flared copper tubing.

Special expansion connection options are available. See page 22.

Ford Yokeboxes have a locking iron lid as standard. An optional lockless iron lid can be ordered by inserting "-LL" into the catalog number. Example: YSB111-233-LL-NL

YOKEBOXES FOR 5/8" X 3/4" METER (CONTINUED)

Shallow Type (center line of meter 8" below grade)



STRAIGHT BALL VALVE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YLB111-233-NL	3/4" Female Iron Pipe Threads	3/4" Female Iron Pipe Threads	30.2	$ 397.87
YLB122-233-NL	3/4" Flare Copper	3/4" Flare Copper	35.0	416.47
► YLB141-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	30.5	428.09
► YLB144-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	46.8	430.41
YLB171-233-NL	3/4" Pack Joint for PVC/IPS PE	3/4" Female Iron Pipe Threads	35.0	457.81
YLB177-233-NL	3/4" Pack Joint for PVC/IPS PE	3/4" Pack Joint for PVC/IPS PE	35.0	472.34

STRAIGHT KEY VALVE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YL111-233-NL	3/4" Double Purpose**	3/4" Female Iron Pipe Threads	31.3	$ 374.19
YL112-233-NL	3/4" Double Purpose**	3/4" Flare Copper	36.0	383.65
► YL141-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	30.9	389.88
► YL141-243-NL	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	31.0	393.51
► YL144-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	35.0	392.23
► YL161-233-NL	3/4" Pack Joint for PE Pipe*	3/4" Female Iron Pipe Threads	31.0	393.51
► YL164-233-NL	3/4" Pack Joint for PE Pipe*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	35.0	409.99
YL171-233-NL	3/4" Pack Joint for PVC/IPS PE Pipe	3/4" Female Iron Pipe Threads	31.1	394.20
YL177-233-NL	3/4" Pack Joint for PVC/IPS PE Pipe	3/4" Pack Joint for PVC/IPS PE Pipe	31.5	419.50

STRAIGHT BALL VALVE INLET - STRAIGHT DUAL CHECK OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Dual Check Outlet		
YLBHC111-233-NL	3/4" Female Iron Pipe Threads	3/4" Female Iron Pipe Threads	32.4	$ 487.60
YLBHC122-233-NL	3/4" Flare Copper	3/4" Flare Copper	36.0	506.08
►YLBHC141-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	32.8	517.81
►YLBHC144-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	36.0	526.38
YLBHC147-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for PVC/IPS PE Pipe	36.0	544.86
YLBHC171-233-NL	3/4" Pack Joint for PVC/IPS PE	3/4" Female Iron Pipe Threads	36.0	547.55
YLBHC177-233-NL	3/4" Pack Joint for PVC/IPS PE	3/4" Pack Joint for PVC/IPS PE	36.0	574.57

STRAIGHT KEY VALVE INLET - STRAIGHT DUAL CHECK OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Dual Check Outlet		
YLHC121-233-NL	3/4" Flare Copper	3/4" Female Iron Pipe Threads	34.0	$ 477.45
►YLHC141-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	33.9	492.93
YLHC147-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for PVC/IPS PE Pipe	39.0	524.62

NOTE: Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11 only.

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

Ordering Information

Plastic lid option: Insert "-P" into the catalog number for locking plastic lid..... **no additional charge**
Example: YLxxx-xxx-P-NL
Insert "-PB" into the catalog number for locking plastic lid with ERT bracket, add to price..... **$ 7.86**
Example: YLxxx-xxx-PB-NL
Insert "-PLB" into the catalog number for locking plastic lid with large ERT bracket, add to price ..... **$ 30.84**
Example: YLxxx-xxx-PLB-NL

* **Grip Joint** for CTS and PEP (3/4" and 1") can be ordered by inserting "-G" into the catalog number. Example: YLB141-233-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability.
Example: YLB141-233-U-NA-NL

** **The double purpose coupling** connects to either 3/4" threaded iron pipe or 3/4" flared copper tubing.

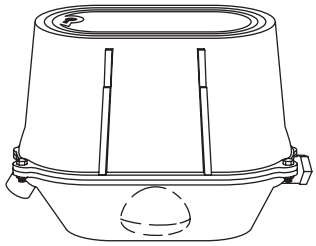
Special expansion connection options are available. See page 22.

Ford Yokeboxes have a locking iron lid as standard. An optional lockless iron lid can be ordered by inserting "-LL" into the catalog number.
Example: YL141-233-LL-NL

Add **"JP"** to the end of the alpha code and insert **"-P"** into the catalog number on a YL Yokebox requiring a plastic enlarged upper section and plastic lid. Example: YLB**JP**xxx-xxx-**P**-NL. Deduct from price ..... **$ -15.54**

YOKEBOXES FOR 5/8" X 3/4" METER (CONTINUED)

Shallow Type (center line of meter 8" below grade)



ANGLE KEY VALVE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YL221-233-NL	3/4" Flare Copper	3/4" Female Iron Pipe Threads	35.0	$ 357.11
YL222-233-NL	3/4" Flare Copper	3/4" Flare Copper	34.0	366.00
►♦ YL241-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	30.5	359.59
YL241-243-NL	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	30.6	372.96
►♦ YL242-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Flare Copper	35.0	369.12
► YL244-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	30.8	375.58
► YL261-233-NL	3/4" Pack Joint for PE Pipe*	3/4" Female Iron Pipe Threads	30.6	373.68
YL261-243-NL	1" Pack Joint for PE Pipe*	3/4" Female Iron Pipe Threads	35.0	416.59
► YL262-233-NL	3/4" Pack Joint for PE Pipe*	3/4" Flare Copper	35.0	383.05
YL262-243-NL	1" Pack Joint for PE Pipe*	3/4" Flare Copper	35.0	423.49
► YL264-233-NL	3/4" Pack Joint for PE Pipe*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	35.0	389.59
YL264-243-NL	1" Pack Joint for PE Pipe*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	35.0	432.44

ANGLE KEY VALVE INLET - STRAIGHT DUAL CHECK OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Dual Check Outlet		
YLHC221-233-NL	3/4" Flare Copper	3/4" Female Iron Pipe Threads	33.6	$ 460.22
YLHC222-233-NL	3/4" Flare Copper	3/4" Flare Copper	39.0	469.64
►♦ YLHC241-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	33.5	462.66
► YLHC244-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	33.7	478.62
YLHC247-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for PVC/IPS PE Pipe	39.0	497.10
► YLHC261-233-NL	3/4" Pack Joint for PE Pipe*	3/4" Female Iron Pipe Threads	39.0	476.77
YLHC261-243-NL	1" Pack Joint for PE Pipe*	3/4" Female Iron Pipe Threads	34.0	519.65
YLHC267-233-NL	3/4" Pack Joint for PE Pipe*	3/4" Pack Joint for PVC/IPS PE Pipe	39.0	508.44
YLHC267-243-NL	1" Pack Joint for PE Pipe*	3/4" Pack Joint for PVC/IPS PE Pipe	39.0	551.34

ANGLE KEY VALVE INLET - ANGLE OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YL322-233-NL	3/4" Flare Copper	3/4" Flare Copper	36.0	$ 367.98
►♦ YL342-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Flare Copper	35.0	369.94
► YL344-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	35.0	376.39

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

Ordering Information

Plastic lid option: Insert "-P" into the catalog number for locking plastic lid ..... **no additional charge**
Example: YLxxx-xxx-P-NL
Insert "-PB" into the catalog number for locking plastic lid with ERT bracket, add to price ..... **$ 7.86**
Example: YLxxx-xxx-PB-NL
Insert "-PLB" into the catalog number for locking plastic lid with large ERT bracket, add to price ..... **$ 30.84**
Example: YLxxx-xxx-PLB-NL

* **Grip Joint** for CTS and PEP (3/4" and 1") can be ordered by inserting "-G" into the catalog number. Example: YL241-233-G-NL

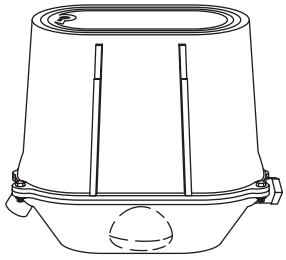
♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: YLHC241-233-Q-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability.
Example: YL242-233-U-NA-NL
Special expansion connection options are available. See page 22.
Ford Yokeboxes have a locking iron lid as standard. An optional lockless iron lid can be ordered by inserting "-LL" into the catalog number.
Example: YL221-233-LL-NL

Add **"JP"** to the end of the alpha code and insert **"-P"** into the catalog number on a YL Yokebox requiring a plastic enlarged upper section and plastic lid. Example: YL**JP**xxx-xxx-**P**-NL. Deduct from price..... **$ -15.54**

YOKEBOXES FOR 5/8" X 3/4" METER (CONTINUED)

Deep Type (center line of meter 10" below grade)



STRAIGHT BALL VALVE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YMB111-233-NL	3/4" Female Iron Pipe Threads	3/4" Female Iron Pipe Threads	33.2	**$ 420.13**
YMB122-233-NL	3/4" Flare Copper	3/4" Flare Copper	35.0	**425.07**
►YMB141-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	33.6	**436.78**
►YMB144-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	35.0	**452.50**
YMB171-233-NL	3/4" Pack Joint for PVC/IPS PE	3/4" Female Iron Pipe Threads	35.0	**466.54**
YMB177-233-NL	3/4" Pack Joint for PVC/IPS PE	3/4" Pack Joint for PVC/IPS PE	35.0	**494.42**

STRAIGHT KEY VALVE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YM111-233-NL	3/4" Double Purpose**	3/4" Female Iron Pipe Threads	34.3	**$ 396.38**
YM112-233-NL	3/4" Double Purpose**	3/4" Flare Copper	36.0	**405.69**
►YM141-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	33.9	**399.15**
►YM141-243-NL	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	34.1	**416.83**
►YM144-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	36.0	**414.89**
►YM161-233-NL	3/4" Pack Joint for PE Pipe*	3/4" Female Iron Pipe Threads	34.1	**416.83**
►YM164-233-NL	3/4" Pack Joint for PE Pipe*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	36.0	**432.73**
YM171-233-NL	3/4" Pack Joint for PVC/IPS PE Pipe	3/4" Female Iron Pipe Threads	36.0	**416.83**
YM177-233-NL	3/4" Pack Joint for PVC/IPS PE Pipe	3/4" Pack Joint for PVC/IPS PE Pipe	34.6	**442.82**

STRAIGHT BALL VALVE INLET - STRAIGHT DUAL CHECK OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YMBHC111-233-NL	3/4" Female Iron Pipe Threads	3/4" Female Iron Pipe Threads	36.0	**$ 509.86**
YMBHC122-233-NL	3/4" Flare Copper	3/4" Flare Copper	36.0	**514.72**
►YMBHC141-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	35.8	**526.45**
►YMBHC144-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	36.0	**538.88**
YMBHC147-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for PVC/IPS PE Pipe	36.0	**558.81**
YMBHC171-233-NL	3/4" Pack Joint for PVC/IPS PE Pipe	3/4" Female Iron Pipe Threads	36.0	**556.18**
YMBHC177-233-NL	3/4" Pack Joint for PVC/IPS PE Pipe	3/4" Pack Joint for PVC/IPS PE Pipe	36.3	**588.50**

STRAIGHT KEY VALVE INLET - STRAIGHT DUAL CHECK OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Dual Check Outlet		
YMHC141-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	40.0	**$ 501.68**

NOTE: Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11.

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

Ordering Information

Plastic lid option: Insert "-P" into the catalog number for locking plastic lid..... **no additional charge**
Example: YMxxx-xxx-P-NL
Insert "-PB" into the catalog number for locking plastic lid with ERT bracket, add to price..... **$ 7.86**
Example: YMxxx-xxx-PB-NL
Insert "-PLB" into the catalog number for locking plastic lid with large ERT bracket, add to price ..... **$ 30.84**
Example: YMxxx-xxx-PLB-NL

* **Grip Joint** for CTS and PEP (3/4" and 1") can be ordered by inserting "-G" into the catalog number. Example: YMB141-233-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability.
Example: YMB141-233-U-NA-NL

** **The double purpose coupling** connects to either 3/4" threaded iron pipe or 3/4" flared copper tubing.

Special expansion connection options are available. See page 22.

Ford Yokeboxes have a locking iron lid as standard. An optional lockless iron lid can be ordered by inserting "-LL" into the catalog number.
Example: YMB144-233-LL-NL

Add **"JP"** to the end of the alpha code and insert **"-P"** into the catalog number on a YM Yokebox requiring a plastic enlarged upper section and plastic lid. Example: YMB**JP**xxx-xxx-**P**-NL. Deduct from price ..... **$ -23.81**

YOKEBOXES FOR 5/8" X 3/4" METER (CONTINUED)

Deep Type (center line of meter 10" below grade)

ANGLE KEY VALVE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YM221-233-NL	3/4" Flare Copper	3/4" Female Iron Pipe Threads	36.0	$ 379.81
YM222-233-NL	3/4" Flare Copper	3/4" Flare Copper	36.0	389.38
►YM241-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	33.6	381.73
YM241-243-NL	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	33.7	395.86
►YM242-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Flare Copper	36.0	391.27
►YM244-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	33.8	398.37
►YM261-233-NL	3/4" Pack Joint for PE Pipe*	3/4" Female Iron Pipe Threads	36.0	396.38
YM261-243-NL	1" Pack Joint for PE Pipe*	3/4" Female Iron Pipe Threads	36.0	439.29
►YM262-233-NL	3/4" Pack Joint for PE Pipe*	3/4" Flare Copper	36.0	405.69
YM262-243-NL	1" Pack Joint for PE Pipe*	3/4" Flare Copper	36.0	448.57
►YM264-233-NL	3/4" Pack Joint for PE Pipe*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	36.0	412.15
YM264-243-NL	1" Pack Joint for PE Pipe*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	36.0	455.04

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ANGLE KEY VALVE INLET - STRAIGHT DUAL CHECK OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Dual Check Outlet		
YMHC221-233-NL	3/4" Flare Copper	3/4" Female Iron Pipe Threads	40.0	$ 482.39
YMHC222-233-NL	3/4" Flare Copper	3/4" Flare Copper	40.0	491.80
►YMHC241-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Female Iron Pipe Threads	36.6	484.86
►YMHC244-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	40.0	500.77
YMHC247-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for PVC Pipe	40.0	519.63
►YMHC261-233-NL	3/4" Pack Joint for PE Pipe*	3/4" Female Iron Pipe Threads	40.0	498.87
YMHC261-243-NL	1" Pack Joint for PE Pipe	3/4" Female Iron Pipe Threads	40.0	541.78
YMHC267-233-NL	3/4" Pack Joint for PE Pipe*	3/4" Pack Joint for PVC/IPS PE Pipe	40.0	531.21
YMHC267-243-NL	1" Pack Joint for PE Pipe*	3/4" Pack Joint for PVC/IPS PE Pipe	40.0	573.45

ANGLE KEY VALVE INLET - ANGLE OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YM322-233-NL	3/4" Flare Copper	3/4" Flare Copper	36.0	$ 390.06
►YM342-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Flare Copper	36.0	392.71
►YM344-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	36.0	399.14

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

Ordering Information

Plastic lid option: Insert "-P" into the catalog number for locking plastic lid.....**no additional charge**
Example: YMxxx-xxx-P-NL
Insert "-PB" into the catalog number for locking plastic lid with ERT bracket, add to price .....**$ 7.86**
Example: YMxxx-xxx-PB-NL
Insert "-PLB" into the catalog number for locking plastic lid with large ERT bracket, add to price .....**$ 30.84**
Example: YMxxx-xxx-PLB-NL

***** **Grip Joint** for CTS and PEP (3/4" and 1") can be ordered by inserting "-G" into the catalog number. Example: YM342-233-G-NL

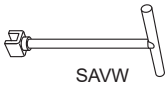
► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: YM342-233-U-NA-NL

Special expansion connection options are available. See page 22.

Ford Yokeboxes have a locking iron lid as standard. An optional lockless iron lid can be ordered by inserting "-LL" into the catalog number. Example: YM342-233-LL-NL

Add **"JP"** to the end of the alpha code and insert **"-P"** into the catalog number on a YM Yokebox requiring a plastic enlarged upper section and plastic lid. Example: YMB**JP**xxx-xxx-**P**-NL. Deduct from price .....**$ -23.81**

OPTIONS AND ACCESSORIES FOR YOKEBOXES

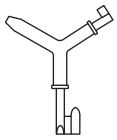

SAVW


MBVW


MBLK


MBUK


YEW-3


9505

Catalog Number	Description	List Price
9501	Grade Adjuster (wt. 8 lb.)	**$ 68.72**
YBPR-4	4" Polystyrene Riser with Mounting Hardware	**57.24**
FYR-8	8" Iron Riser with Mounting Hardware	**173.70**
PTP	Removable Plastic Plug / Nut for Electronic Meter Reading Lid Hole	**11.58**
PTP-BR	Removable Plastic Plug for Electronic Meter Reading Lid Hole with ERT Bracket	**16.12**
PBR-YL-LYL	Plastic ERT Bracket with (3) Stainless Steel Clips (field installation only on plastic lids)	**9.68**
PLBR-YL-LYL	Plastic Large ERT Bracket with (3) Stainless Steel Clips (field installation only on plastic lids)	**32.64**
TP	Removable Cast Iron Plug (with cotter pin) for Electronic Meter Reading Module Hole	**9.97**
SAVW	Ball Valve Yokebox Wrench	**20.98**
MBVW	Yokebox Valve Wrench	**73.33**
MBUK	Meter Box Universal Key for Locking Lids, Lockless Lids and Yokebox Valves	**60.97**
9503	Padlock Plate for Key Valve, Angle or Straight - Lock Open or Closed	**4.72**
FYBKVLP-AV-SV	Padlock Plate for Angle or Straight Key Valve	**13.99**
MBLK	Yokebox Lid Key	**20.33**
9505	Combination Yokebox / Dallas Lid Key	**80.13**
YEW-1	5/8" Expansion Connection Wrench	**20.58**
YEW-3	5/8" x 3/4" Expansion Connection Wrench	**22.67**
9508	Combination Yokebox - Pentagon Bolt Key	**102.84**
Insert "-RL" into Catalog Number	Meter Box Reading Lid (hinged cast iron flap) Instead of Standard Lid, add to price Example: YL241-233-RL-NL	**15.71**
Insert "P" into Catalog Number	Plastic (ABS) Shallow Type (YL) Upper Section (7") with Anchor Lugs Example: YLP241-233-NL **Deduct** from Price	**-41.96**
Insert "-PB" into Catalog No.	Locking Plastic Lid with ERT Backet Example: YL241-233-PB-NL	**7.86**
Add "-PLB" to Catalog No.	Locking Plastic Lid with Large ERT Backet	**30.84**
Insert "-PTP" into Catalog Number	Removable Plastic Plug / Nut for Electronic Meter Reading Lid Hole Example: YL241-233-PTP-NL	**16.90**
Insert "-PTP-BR" into Catalog Number	Removable Plastic Plug for Electronic Meter Reading Lid Hole with ERT Bracket Example: YL241-233-PTP-BR-NL	**21.45**
Insert "-T" into Catalog Number	Electronic Meter Read Feature on Lid (2" hole), add to price (see chart on pg. 1) Example: YL241-233-T-NL	**5.31**
Insert "-TP" into Catalog Number	Electronic Meter Read Feature on Lid (2" hole), with Removable Plug, add to price Example: YL241-233-TP-NL	**15.30**
Insert "-RW" into Catalog Number	"Reclaimed Water" Lettering on Locking Yokebox Lid Instead of Standard Lid Example: YL241-233-RW-NL No Charge	**0.00**
Insert "-RWC" into Catalog Number	"Reclaimed Water" Lettering on PURPLE Locking Yokebox Lid Instead of Standard Lid add to price. Example: YL241-233-RWC-NL	**28.31**
Insert "-G" into Catalog No	**Grip Joint** for CTS and PEP (3/4" and 1") Example: YL241-233-G-NL No Charge	**0.00**
Insert "-P4" into Catalog No	4" Polystyrene Riser Attached Between Base and Upper Section Example: YL241-233-P4-NL	**57.24**

Insert into the Catalog Number	Description	5/8" Meter Size Add to Price	5/8" x 3/4" Meter Size Add to Price
Insert "-XA" into Catalog Number	Locking Expansion Connection **without** Ford Security Screw Example: YL241-233-XA-NL	**$ 39.03**	**$ 44.31**
Insert "-XB" into Catalog Number	Locking Expansion Connection **with** Ford Security Screw Example: YL241-233-XB-NL	**45.54**	**50.82**
Insert "-XC" into Catalog Number	Expansion Connection with Dual Check Valves for Standard Yokeboxes Example: YL241-233-XC-NL	**39.53**	**39.54**
Insert "-XD" into Catalog Number	Locking Expansion Connection **without** Ford Security Screw, with Dual Check Valves for Standard Yokeboxes Example: YL241-233-XD-NL	**78.59**	**83.84**
Insert "-XE" into Catalog Number	Locking Expansion Connection **with** Ford Security Screw, with Dual Check Valves for Standard Yokeboxes Example: YL241-233-XE-NL	**85.09**	**90.35**

EXPANSION CONNECTION OPTIONS FOR 5/8", 5/8" X 3/4", AND 3/4" YOKEBOXES

Catalog Number	Description	ListPrice
EC-1-NL	Expansion Connection for 5/8" Meter	**$ 42.33**
EC-1-OR-H2-NL	Expansion Connection for 5/8" Meter, with Dual Check Valves	**81.84**
ECL-1-NL	Locking Expansion Connection for 5/8" Meter **without** Security Screw	**81.36**
ECL-1-SSF-NL	Locking Expansion Connection for 5/8" Meter **with** Security Screw	**87.87**
ECL-1-OR-H2-NL	Locking Expansion Connection for 5/8" Meter **without** Security Screw, with Dual Check Valves	**120.92**
ECL-1-OR-H2-SSF-NL	Locking Expansion Connection for 5/8" Meter **with** Security Screw, with Dual Check Valves	**127.41**
EC-23-NL	Expansion Connection for 5/8" x 3/4" Meter	**47.96**
EC-23-OR-H2-NL	Expansion Connection for 5/8" x 3/4" Meter, with Dual Check Valves	**87.50**
ECL-23-NL	Locking Expansion Connection for 5/8" x 3/4" Meter **without** Security Screw	**92.26**
ECL-23-SSF-NL	Locking Expansion Connection for 5/8" x 3/4" Meter **with** Security Screw	**98.79**
ECL-23-OR-H2-NL	Locking Expansion Connection for 5/8" x 3/4" Meter **without** Security Screw, with Dual Check Valves	**131.78**
ECL-23-OR-H2-SSF-NL	Locking Expansion Connection for 5/8" x 3/4" Meter **with** Security Screw, with Dual Check Valves	**138.33**
BOLT-800998-SSF	Security Screw (fits all Ford locking expansions)	**7.26**
KEY-800999-SSF	Security Key / Tip Only for Locking Expansion Connection	**83.34**
NUT-DR-040072-SSF	Magnetic Nut Driver Less Key / Tip	**43.58**
EC-1-OR-H2-RK	Check Valve Repair Kit for EC-1-OR-H2-NL	**32.36**
EC-23-OR-H2-RK	Check Valve Repair Kit for EC-23-OR-H2-NL	**32.36**
GT-32	5/8" Beveled Expansion Connection Gasket	**1.37**
GT-33	5/8" x 3/4" Beveled Expansion Connection Gasket	**1.67**
GT-210	5/8" Flat Expansion Connection Gasket	**1.23**
GT-196	5/8" x 3/4" Flat Expansion Connection Gasket	**1.58**

OUTLET PIECES, UPPER SECTIONS, LIDS, AND GASKETS FOR YOKEBOXES

	Catalog Number	Description		List Price
	YL	Iron Locking Lid	(Wt. 4.7 lbs.)	**$ 31.18**
	YL-LUG	Iron Locking Lid with Guide / Alignment Lugs	(Wt. 4.9 lbs.)	**32.94**
	YLL	Lockless Iron Lid	(Wt. 4.6 lbs.)	**31.18**
	YL-T	Electronic Read Locking Iron Lid with 2" Hole	(Wt. 4.7 lbs.)	**36.49**
	YLP	Plastic Standard Yokebox Lid		**31.18**
	YLP-BR	Plastic Standard Yokebox Lid with ERT Bracket		**39.05**
	YLP-LBR	Plastic Standard Yokebox Lid with Large ERT Bracket		**61.98**
	MBRL	Iron Locking Meter Box Reading Lid with Hinged Cast Iron Flap		**46.88**
	YUC-4	Extra Shallow Type (YS) Upper Casting (4") with Anchor Lugs		**59.77**
	YUC-7	Shallow Type (YL) Upper Casting (7") (requires 9500 for installation)		**78.30**
	YUC-7P	Shallow Plastic Type (YL) Upper Section (7") with Anchor Lugs	(Wt. 5.1 lbs.)	**36.34**
	YUC-9	Deep Type (YM) Upper Casting (9") (requires 9500 for installation)		**96.23**
	YJLP	Plastic Enlarged Yokebox Lid		**39.14**
	YJLP-BR	Plastic Enlarged Yokebox Lid with ERT Bracket		**47.01**
	YJUC-7P	Plastic Enlarged 7" Upper Section (requires 9500 for installation)		**54.82**
	YJUC-9P	Plastic Enlarged 9" Upper Section (requires 9500 for installation)		**64.43**
	YBSO13-31-NL	Straight Outlet for 5/8" Meter with 3/4" Female Iron Pipe Threads		**34.96**
	YBSO83-31-NL	Straight Outlet for 5/8" Meter with 3/4" Male Iron Pipe Threads		**38.20**
►	**YBSO43-31-NL**	Straight Outlet for 5/8" Meter with Pack Joint for 3/4" Copper or Plastic Tube (CTS)*		**57.59**
	YBSO23-11-NL	Straight Outlet for 5/8" Meter with 1/2" Flare Copper Connection		**43.35**
	YBSO43-11-NL	Straight Outlet for 5/8" Meter with Pack Joint for 1/2" Copper or Plastic Tube (CTS)		**45.52**
	YBSO23-31-NL	Straight Outlet for 5/8" Meter with 3/4" Flare Copper Connection		**48.36**
	YBSO13-32-NL	Straight Outlet for 5/8" x 3/4" Meter with 3/4" Female Iron Pipe Threads		**34.96**
	YBSO23-32-NL	Straight Outlet for 5/8" x 3/4" Meter with 3/4" Flare Copper Connection		**48.36**
	YBSO83-32-NL	Straight Outlet for 5/8" x 3/4" Meter with 3/4" Male Iron Pipe Threads		**38.20**
►	**YBSO43-32-NL**	Straight Outlet for 5/8" x 3/4" Meter with Pack Joint for 3/4" Copper or Plastic Tube (CTS)*		**57.59**
►	**YBSO43-42-NL**	Straight Outlet for 5/8" x 3/4" Meter with Pack Joint for 1" Copper or Plastic Tube (CTS)*		**72.01**
	YBSO73-32-NL	Straight Outlet for 5/8" x 3/4" Meter with Pack Joint for 3/4" PVC/IPS PE		**72.01**
►	**YBSO63-32-NL**	Straight Outlet for 5/8" x 3/4" Meter with Pack Joint for 3/4" PE Pipe*		**72.01**
	YBAO23-31-NL	Angle Outlet for 5/8" Meter with 3/4" Flare Copper Connection		**49.56**
	YBAO23-32-NL	Angle Outlet for 5/8" x 3/4" Meter with 3/4" Flare Copper Connection		**49.56**
►	**YBAO43-32-NL**	Angle Outlet for 5/8" x 3/4" Meter with Pack Joint for 3/4" Copper or Plastic Tube (CTS)*		**58.81**
	GT-112	5/8" Rubber Gasket for Valve and Outlet Saddles		**0.49**
	GT-118	5/8" x 3/4" Rubber Gasket for Valve and Outlet Saddles		**0.65**
	9500	Stainless Steel Bolt and Nut for Connecting Upper and Base Castings (4 required)		**1.34 ea**
	9510	Lock Assembly (bolt, spring and rivet)		**10.57**
	BOLT-800122	Stainless Steel Self Tapping Screw for Yokebox Brass Inlet and Outlet Items (2 required)		**1.64 ea**

INLET VALVES AND BASES FOR KEY VALVE YOKEBOXES

	YBC	Base (or bottom) Casting for Yokeboxes without a Cartridge Check Valve	(Wt. 11.1 lbs.)	**51.97**
	YBAV23-31-NL	Angle Valve for 5/8" Meter, Inlet for 3/4" Flared Copper		**109.38**
►	**YBAV43-31-NL**	Angle Valve for 5/8" Meter, Inlet Pack Joint for 3/4" Copper or Plastic Tube (CTS)*		**112.89**
	YBAV43-42-NL	Angle Valve for 5/8" x 3/4" Meter, Inlet Pack Joint for 1" Copper or Plastic Tube (CTS)*		**132.61**
	YBAV23-32-NL	Angle Valve for 5/8" x 3/4" Meter, Inlet for 3/4" Flared Copper		**109.38**
►	**YBAV43-32-NL**	Angle Valve for 5/8" x 3/4" Meter, Inlet Pack Joint for 3/4" Copper or Plastic Tube (CTS)*		**112.89**
	YBAV43-32-Q-NL	Angle Valve for 5/8" x 3/4" Meter, Inlet Quick Joint for 3/4" Copper or Plastic Tube (CTS)		**112.89**
►	**YBAV63-32-NL**	Angle Valve for 5/8" x 3/4" Meter, Inlet Pack Joint for 3/4" PE Pipe*		**132.61**
	YBAV63-42-NL	Angle Valve for 5/8" x 3/4" Meter, Inlet for 1" PE Pipe*		**189.60**
	YBSV23-11-NL	Straight Valve for 5/8" Meter, Inlet for 1/2" Flared Copper		**121.02**
	YBSV43-11-NL	Straight Valve for 5/8" Meter, Inlet Pack Joint for 1/2" Copper or Plastic Tube (CTS)		**123.17**
	YBSV13-31-NL	Straight Valve for 5/8" Meter, 3/4" Double Purpose Coupling Inlet		**132.99**
►	**YBSV43-31-NL**	Straight Valve for 5/8" Meter, Inlet Pack Joint for 3/4" Copper or Plastic Tube (CTS)*		**136.70**
	YBSV13-32-NL	Straight Valve for 5/8" x 3/4" Meter, 3/4" Double Purpose Coupling Inlet		**132.99**
	YBSV23-32-NL	Straight Valve for 5/8" x 3/4" Meter, Inlet for 3/4" Flared Copper		**132.71**
►	**YBSV43-32-NL**	Straight Valve for 5/8" x 3/4" Meter, Inlet Pack Joint for 3/4" Copper or Plastic Tube (CTS)*		**136.70**
►	**YBSV43-42-NL**	Straight Valve for 5/8" x 3/4" Meter, Inlet Pack Joint for 1" Copper or Plastic Tube (CTS)*		**162.08**
►	**YBSV63-32-NL**	Straight Valve for 5/8" x 3/4" Meter, Inlet Pack Joint for 3/4" PE Pipe*		**162.08**
	YBSV73-32-NL	Straight Valve for 5/8" x 3/4" Meter, Inlet Pack Joint for 3/4" PVC/IPS PE Pipe		**162.08**
	YBSV83-32-NL	Straight Valve for 5/8" x 3/4" Meter, Inlet for 3/4" Male Iron Pipe Threads		**132.71**

INLET VALVES AND BASES FOR BALL VALVE YOKEBOXES

**	**YBC-BV**	Base (or Bottom) Casting for Ball Valve Yokebox	**70.58**
**	**YBC-BVHC**	Base (or Bottom) Casting for Ball Valve Dual Check Valve Yokebox	**78.86**
	YBBV13-231-NL	5/8" YB Ball Valve for 3/4" Female Iron Pipe	**170.45**
	YBBV13-232-NL	5/8" x 3/4" YB Ball Valve 3/4" Female Iron Pipe	**170.45**
	YBBV13-242-NL	5/8" x 3/4" YB Ball Valve for 1" Female Iron Pipe	**188.36**
	YBBV23-231-NL	5/8" YB Ball Valve for 3/4" Flare Copper	**192.34**
	YBBV23-232-NL	5/8" x 3/4" YB Ball Valve 3/4" Flare Copper	**192.34**
►	**YBBV43-231-NL**	5/8" YB Ball Valve for 3/4" CTS*	**195.52**
♦►	**YBBV43-232-NL**	5/8" x 3/4" YB Ball Valve 3/4" CTS*	**195.52**
	YBBV43-241-NL	5/8" YB Ball Valve for 1" CTS*	**230.70**
►	**YBBV43-242-NL**	5/8" x 3/4" YB Ball Valve for 1" CTS*	**230.70**
	YBBV63-232-NL	Straight 5/8" x 3/4" YB Ball Valve for 3/4" PE Pipe*	**230.70**
	YBBV73-232-NL	5/8" x 3/4" YB Ball Valve for 3/4" PVC/IPS PE	**230.70**

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: YBBV43-232-Q-NL
NOTE: Installation screws are included with Yokebox valves and outlet pieces.

* **Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: YBSO43-31-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: YBSO43-31-U-NA-NL

** Contact factory for pricing and availability.

CHECK VALVES AND BASE FOR DUAL CHECK YOKEBOXES

Catalog Number	Description	List Price
** YBC-HC	Base Casting for Dual Check Yokebox	$ 70.58
** YBC-BVHC	Base Casting for Ball Valve Dual Check Yokebox	78.86
YBHC31-313-NL	5/8" Yokebox Dual Check for 3/4" Female Iron Pipe Thread	147.59
YBHC31-323-NL	5/8" x 3/4" Yokebox Dual Check for 3/4" Female Iron Pipe Thread	147.59
YBHC31-324-NL	5/8" x 3/4" Yokebox Dual Check for 1" Female Iron Pipe Thread	163.95
YBHC32-313-NL	5/8" Yokebox Dual Check for 3/4" Flare Copper	161.09
YBHC32-323-NL	5/8" x 3/4" Yokebox Dual Check for 3/4" Flare Copper	161.09
► YBHC34-313-NL	5/8" Yokebox Dual Check for 3/4" Pack Joint for Copper or Plastic Tube (CTS)*	165.46
► YBHC34-323-NL	5/8" x 3/4" Yokebox Dual Check for 3/4" Pack Joint for Copper or Plastic Tube (CTS)*	165.46
YBHC37-323-NL	5/8" x 3/4" Yokebox Dual Check for 3/4" Pack Joint for PVC*/IPS PE	190.53

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

*** Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: YBHC34-313-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: YBHC34-313-U-NA-NL

** Contact factory for pricing and availability.

GOLDEN GATE BOX FOR 3/4" METERS

C

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YL221-344-NL	1" Flare Copper	1" Female Iron Pipe Threads	37.0	$ 441.72
► YL224-344-NL	1" Flare Copper	1" Pack Joint for Copper or Plastic Tubing (CTS)*	37.0	450.90
► YL241-344-NL	1" Pack Joint for Copper or Plastic Tubing (CTS)*	1" Female Iron Pipe Threads	37.0	447.21
► YL244-344-NL	1" Pack Joint for Copper or Plastic Tubing (CTS)*	1" Pack Joint for Copper or Plastic Tubing (CTS)*	37.0	456.35

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

OPTION NOTE: All lid and riser options listed on pages 22 and 23 are available for the Golden Gate Box.

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: YL224-344-U-NA-NL

Options: Insert "-P" into the catalog number for locking plastic lid. Example: YLxxx-xxx-P-NL ..... **no additional charge**
Insert "-PB" into the catalog number for locking plastic lid with ERT bracket, add to price. Example: YLxxx-xxx-PB-NL.....**$ 7.86**
Insert "-PLB" into the catalog number for locking plastic lid with large ERT bracket, add to price. Example: YLxxx-xxx-PLB-NL.....**$ 30.84**
Add **"JP"** to the end of the alpha code of the catalog number on a YL Yokebox requiring a plastic enlarged upper section and plastic lid. Example: YL**JP**xxx-xxx-NL. Deduct from price..... **$ -15.54**

PARTS AND ACCESSORIES FOR GOLDEN GATE BOXES

Catalog Number	Description	Approx. Wt. Lbs.	List Price
EC-23-SF-NL	2-Part Expansion Connection	0.6	$ 61.42
GGAV23-343-NL	Inlet Valve for 1" Flare Copper	2.0	134.78
► GGAV43-343-NL	Inlet Valve for 1" Pack Joint (CTS)*	1.6	141.70
GGO13-343-NL	Straight Outlet for 1" Female Iron Pipe	0.8	55.77
► GGO43-343-NL	Straight Outlet for 1" Pack Joint (CTS)*	1.0	68.44
MBVW	Meter Box Valve Wrench (18" long)	1.9	73.33
MBLK	Meter Box Lid Key	0.3	20.33
9505	Combination Yokebox / Dallas Lid Key	0.8	80.13

*** Grip Joint** for CTS can be ordered by inserting "-G" into the catalog number. Example: GGAV43-343-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: GGAV43-343-U-NA-NL

YOKEBOX FOR 1" METER

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
YL111-444-NL	1" Female Iron Pipe	1" Female Iron Pipe	65.3	$ 791.50

Ford Yokeboxes have a locking iron lid as standard. An optional lockless iron lid can be ordered by inserting "**-LL**" into the catalog number.

Plastic lid option: Insert "-P" into the catalog number for locking plastic lid. Example: YLxxx-xxx-P-NL..... **no additional charge**
Insert "-PB" into the catalog number for locking plastic lid with ERT bracket, add to price. Example: YLxxx-xxx-PB-NL ... **$ 7.86**

PARTS AND ACCESSORIES FOR YOKEBOX FOR 1" METER

Catalog Number	Description	Approx. Wt. Lbs.	List Price
MBVW	Meter Box Valve Wrench (18" long)	1.9	$ 73.33
MBLK	Meter Box Lid Key	0.3	20.33
9505	Combination Yokebox / Dallas Lid Key	0.8	80.13
YBUC	Upper Casting for YL111-444-NL	26.2	157.49
9635	Base Casting for YL111-444-NL	21.0	151.36
CBLL	Iron Lockless Lid for YL111-444-NL	10.4	53.96
CBLL-T	Iron Lockless Lid with 2" Hole for Electronic Read Module for YL111-444-NL	10.3	59.29
YBL	Locking Iron Lid for YL111-444-NL	10.9	53.96
YBL-T	Electronic Read Locking Iron Lid for YL111-444-NL (2" hole)	10.6	59.29
YBLP	1" Yokebox Plastic Locking Lid	2.4	53.96
YBLP-C-T	1" Yokebox Plastic Locking E-Read Lid with Center Hole	2.5	71.13
YBLP-BR	1" Yokebox Plastic Locking Lid with ERT Bracket	2.6	61.83
CBEO-4-NL	Yokebox Expansion Outlet, 1" Female Iron Pipe	2.9	209.39
CBV-4-NL	Yokebox Valve, 1" Female Iron Pipe Inlet	3.5	239.82
GT-123	Flat Rubber Gaskets for Inlet and Outlet Pieces	-	0.75
9504	Bolt and Nut for YL111-444-NL	-	6.91
PTP	Removable Plastic Plug / Nut for Electronic Meter Reading Lid Hole	-	11.58
PTP-BR	Removable Plastic Plug for Electronic Meter Reading Lid Hole with ERT Bracket	0.1	16.12
TP	Removable Cast Iron Plug (with cotter pin) for Electronic Meter Reading Module Hole	0.5	9.97
CBBV13-344-NL	Crescent Box Ball Valve 1" Female Iron Pipe Inlet	2.1	168.16
* CBBV43-344-NL	Crescent Box Ball Valve 1" Pack Joint for CTS Inlet	2.5	185.67

GULFBOXES FOR 5/8" METER

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
†G122-111-NA-NL	1/2" Flare Copper	1/2" Flare Copper	28.0	$ 347.52
G122-133-NL	3/4" Flare Copper	3/4" Flare Copper	25.9	311.69
G128-133-NL	3/4" Flare Copper	3/4" Male Iron Pipe Threads	28.0	300.66
► G144-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	28.0	324.70
► G148-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Male Iron Pipe Threads	25.6	308.31
G188-133-NL	3/4" Male Iron Pipe Threads	3/4" Male Iron Pipe Threads	25.3	289.43

* **Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: G144-133-G-NL

† Inlet and outlet couplings are shipped unassembled.

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability.
Example: G144-133-U-NA-NL

Plastic lid option: Insert "-P" into the catalog number for locking plastic lid ..... **no additional charge**
Example: Gxxx-xxx-P-NL
Insert "-PB" into the catalog number for locking plastic lid with ERT bracket, add to price
Example: Gxxx-xxx-PB-NL ..... **$ 7.86**
Insert "-PLB" into the catalog number for locking plastic lid with large ERT bracket, add to price ..... **$ 30.84**
Example: Gxxx-xxx-PLB-NL

Ford Gulfboxes have a locking iron lid as standard. An optional lockless iron lid can be ordered by inserting "-LL" into the catalog number.

C

LONG GULFBOXES FOR 5/8" METER WITH DUAL CHECK

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
GHC122-133-NL	3/4" Flare Copper	3/4" Flare Copper	28.0	$ 556.41
► GHC144-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	28.0	568.71
► GHC148-133-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Male Iron Pipe Threads	28.0	552.42
GHC188-133-NL	3/4" Male Iron Pipe Threads	3/4" Male Iron Pipe Threads	28.0	534.81

* **Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: GHC144-133-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability.
Example: GHC144-133-U-NA-NL

GULFBOXES FOR 5/8" X 3/4" METER

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
G122-233-NL	3/4" Flare Copper	3/4" Flare Copper	26.2	$ 316.62
G128-233-NL	3/4" Flare Copper	3/4" Male Iron Pipe Threads	28.0	305.32
► G144-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	26.1	329.43
► G148-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Male Iron Pipe Threads	25.8	311.77
G188-233-NL	3/4" Male Iron Pipe Threads	3/4" Male Iron Pipe Threads	25.6	294.27

* **Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: G144-233-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability.
Example: G144-233-U-NA-NL

Plastic lid option: Insert "-P" into the catalog number for locking plastic lid..... **no additional charge**
Example: Gxxx-xxx-P-NL
Insert "-PB" into the catalog number for locking plastic lid with ERT bracket, add to price..... **$ 7.86**
Example: Gxxx-xxx-PB-NL

Ford Gulfboxes have a locking iron lid as standard. An optional lockless iron lid can be ordered by inserting "-LL" into the catalog number.

LONG GULFBOXES FOR 5/8" X 3/4" METER WITH DUAL CHECK

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Outlet		
GHC122-233-NL	3/4" Flare Copper	3/4" Flare Copper	28.0	$ 560.56
► GHC144-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	28.0	572.86
► GHC148-233-NL	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Male Iron Pipe Threads	28.0	556.51
GHC188-233-NL	3/4" Male Iron Pipe Threads	3/4" Male Iron Pipe Threads	28.0	538.88

* **Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: GHC144-233-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability.
Example: GHC144-233-U-NA-NL

Special expansion connections are available. See page 26.

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

OPTIONS AND ACCESSORIES FOR GULFBOXES

Catalog Number	Description	List Price
9501	Grade Adjuster (shown in catalog)	**$ 68.72**
MBVW	Gulfbox Valve Wrench (18" long)	**73.33**
MBLK	Gulfbox Lid Key	**20.33**
MBUK	Meter Box Universal Key for Locking Lids, Lockless Lids and Meter Valves	**60.97**
PTP	Removable Plastic Plug / Nut for Electronic Meter Reading Lid Hole	**11.58**
PTP-BR	Removable Plastic Plug for Electronic Meter Reading Lid Hole with ERT Bracket	**16.12**
TP	Removable Cast Iron Plug for Electronic Meter Reading Lid Hole (includes cotter pin)	**9.97**
Insert "-RL" into Catalog Number	Meter Box Reading Lid (hinged cast iron flap) Instead of Standard Lid, insert into price Example: G122-233-RL-NL	**15.71**
Insert "-P" into Catalog Number	Plastic Locking Lid Example: G122-233-P-NL No Charge	**0.00**
Insert "-PB" into Catalog Number	Locking Plastic Lid with ERT Backet Example: G122-233-PB-NL	**7.86**
Insert "-PTP" into Catalog Number	Removable Plastic Plug / Nut for Electronic Meter Reading Lid Hole Example: G122-233-PTP-NL	**16.90**
Insert "-PTP-BR" into Catalog Number	Removable Plastic Plug for Electronic Meter Reading Lid Hole with ERT Bracket Example: G122-233-PTP-BR-NL	**21.45**
Insert "-T" into Catalog Number	Electronic Read Iron Lid (2" hole) insert into price (see chart on page 1) Example: G122-233-T-NL	**5.31**
Insert "-TP" into Catalog Number	Electronic Read Iron Lid (2" hole), with Removable Plug, insert into price Example: G122-233-TP-NL	**15.30**
Insert "-RW" into Catalog Number	"Reclaimed Water" Lettering on Locking Yokebox Iron Lid Example: G122-233-RW-NL No Charge	**0.00**
Insert "-RWC" into Catalog Number	"Reclaimed Water" Lettering on PURPLE Locking Yokebox Iron Lid, insert into price Example: G122-233-RWC-NL	**28.31**
Insert "-G" into Catalog Number	Grip Joint for CTS (3/4" and 1") Example: G144-233-G-NL No Charge	**0.00**

Insert into the Catalog Number	Description	5/8" Meter Size Insert into Price	5/8" x 3/4" Meter Size Insert into Price
Insert "-XA" into Catalog Number	Locking Expansion Connection **without** Ford Security Screw Example: G122-233-XA-NL	**$ 39.03**	**$ 44.31**
Insert "-XB" into Catalog Number	Locking Expansion Connection **with** Ford Security Screw Example: G122-233-XB-NL	**45.54**	**50.82**
Insert "-XC" into Catalog Number	Expansion Connection with Dual Check Valves for Standard Gulfboxes Example: G122-233-XC-NL	**39.53**	**39.54**
Insert "-XD" into Catalog Number	Locking Expansion Connection **without** Ford Security Screw, with Dual Check Valves for Standard Gulfboxes Example: G122-233-XD-NL	**78.59**	**83.84**
Insert "-XE" into Catalog Number	Locking Expansion Connection **with** Ford Security Screw, with Dual Check Valves for Standard Gulfboxes Example: G122-233-XE-NL	**85.09**	**90.35**

GULFBOX PARTS

Catalog Number	Description	List Price
YL	Iron Locking Lid	**$ 31.18**
YLP	Plastic Locking Lid (Wt. 4.7 lbs.)	**31.18**
YLP-BR	Plastic Locking Lid with ERT Bracket	**39.05**
YL-LUG	Iron Locking Lid with Guide Lugs	**32.94**
YL-T	Iron Locking Electronic Read Lid (2" hole) (Wt. 4.7 lbs.)	**36.49**
MBRL	Iron Locking Electronic Read Lid with Hinged Cast Iron Flap (Wt. 4.7 lbs.)	**46.88**
YLL	Iron Lockless Lid	**31.18**
GBIB	Iron Body Casting (Wt. 4.6 lbs.)	**82.53**
GBO23-31-NL	Outlet for 5/8" Meter with 3/4" Flared Copper Connection	**43.78**
GBO23-32-NL	Outlet for 5/8" x 3/4" Meter with 3/4" Flared Copper Connection	**43.78**
► **GBO43-31-NL**	Outlet for 5/8" Meter with Pack Joint Connection for 3/4" Copper or Plastic Tube (CTS)*	**52.60**
► **GBO43-32-NL**	Outlet for 5/8" x 3/4" Meter with Pack Joint Connection for 3/4" Copper or Plastic Tube (CTS)*	**52.60**
GBO83-31-NL	Outlet for 5/8" Meter with 3/4" Male Iron Pipe Threads	**27.98**
GBO83-32-NL	Outlet for 5/8" x 3/4" Meter with 3/4" Male Iron Pipe Threads	**27.98**
GBV23-31-NL	Ball Valve for 5/8" Meter with Inlet for 3/4" Flared Copper	**118.20**
GBV23-32-NL	Ball Valve for 5/8" x 3/4" Meter with Inlet for 3/4" Flared Copper	**118.20**
GBV23-32W-NL	Ball Valve for 5/8" x 3/4" Meter with Inlet for 3/4" Flared Copper	**123.22**
► **GBV43-31-NL**	Ball Valve for 5/8" Meter with Pack Joint Inlet for 3/4" Copper or Plastic Tube (CTS)*	**127.54**
► **GBV43-32-NL**	Ball Valve for 5/8" x 3/4" Meter with Pack Joint Inlet for 3/4" Copper or Plastic Tube (CTS)*	**127.54**
GBV43-32W-NL	Ball Valve for 5/8" x 3/4" Meter with Pack Joint Inlet for 3/4" Copper or Plastic Tube (CTS)*	**132.61**
GBV83-31-NL	Ball Valve for 5/8" Meter with 3/4" Male Iron Pipe Thread Inlet	**102.47**
GBV83-32-NL	Ball Valve for 5/8" x 3/4" Meter with 3/4" Male Iron Pipe Thread Inlet	**102.47**
GBV83-32W-NL	Ball Valve for 5/8" x 3/4" Meter with 3/4" Male Iron Pipe Thread Inlet	**107.49**
EC-1-NL	Expansion Connection for 5/8" Meter	**42.33**
EC-1-OR-H2-NL	Expansion Connection for 5/8" Meter, with Dual Check Valves	**81.84**
ECL-1-NL	Locking Expansion Connection for 5/8" Meter **without** Security Screw	**81.36**
ECL-1-SSF-NL	Locking Expansion Connection for 5/8" Meter **with** Security Screw	**87.87**
ECL-1-OR-H2-NL	Locking Expansion Connection for 5/8" Meter **without** Security Screw, with Dual Check Valves	**120.92**
ECL-1-OR-H2-SSF-NL	Locking Expansion Connection for 5/8" Meter **with** Security Screw, with Dual Check Valves	**127.41**
EC-23-NL	Expansion Connection for 5/8" x 3/4" Meter	**47.96**
EC-23-OR-H2-NL	Expansion Connection for 5/8" x 3/4" Meter, with Dual Check Valves	**87.50**
ECL-23-NL	Locking Expansion Connection for 5/8" x 3/4" Meter **without** Security Screw	**92.26**
ECL-23-SSF-NL	Locking Expansion Connection for 5/8" x 3/4" Meter **with** Security Screw	**98.79**
ECL-23-OR-H2-NL	Locking Expansion Connection for 5/8" x 3/4" Meter **without** Security Screw, with Dual Check Valves	**131.78**
ECL-23-OR-H2-SSF-NL	Locking Expansion Connection for 5/8" x 3/4" Meter **with** Security Screw, with Dual Check Valves	**138.33**
BOLT-800998-SSF	Security Screw (fits all Ford locking expansions)	**7.26**
KEY-800999-SSF	Security Key / Tip Only for Locking Expansion Connection	**83.34**
NUT-DR-040072-SSF	Magnetic Nut Driver Less Key / Tip	**43.58**
EC-1-OR-H2-RK	Check Valve Repair Kit for EC-1-OR-H2-NL	**32.36**
EC-23-OR-H2-RK	Check Valve Repair Kit for EC-23-OR-H2-NL	**32.36**
GT-32	5/8" Beveled Expansion Connection Gasket	**1.37**
GT-33	5/8" x 3/4" Beveled Expansion Connection Gasket	**1.67**
GT-210	5/8" Flat Expansion Connection Gasket	**1.23**
GT-196	5/8" x 3/4" Flat Expansion Connection Gasket	**1.58**
GT-112	5/8" Rubber Gaskets for Valve and Outlet Saddles	**0.49**
GT-118	5/8" x 3/4" Rubber Gaskets for Valve and Outlet Saddles	**0.65**

*** Grip Joint** can be ordered by adding "-G" to the end of the catalog number.
►Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability.

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

LONG GULFBOX PARTS

Catalog Number	Description	List Price
GBOL23-31-NL	Long Gulfbox Outlet for 5/8" Meter with 3/4" Flared Copper Connection	**46.92**
GBOL23-32-NL	Long Gulfbox Outlet for 5/8" x 3/4" Meter with 3/4" Flared Copper Connection	**46.92**
► **GBOL43-31-NL**	Long Gulfbox Outlet for 5/8" Meter with P.J. Connection for 3/4" Copper or Plastic Tube (CTS)*	**55.68**
► **GBOL43-32-NL**	Long Gulfbox Outlet for 5/8" x 3/4" Meter with P.J. Connection for 3/4" Copper or Plastic Tube (CTS)*	**55.68**
GBOL83-31-NL	Long Gulfbox Outlet for 5/8" Meter with 3/4" Male Iron Pipe Threads	**31.01**
GBOL83-32-NL	Long Gulfbox Outlet for 5/8" x 3/4" Meter with 3/4" Male Iron Pipe Threads	**31.01**
HHCI33-311-NL	3/4" Cartridge Style Dual Check for 5/8" Meter	**141.10**
HHCI33-322-NL	3/4" Cartridge Style Dual Check for 5/8" x 3/4" Meter	**141.10**

NOTE: Expansion connections and gaskets are listed under Gulfbox Parts on page C-26.

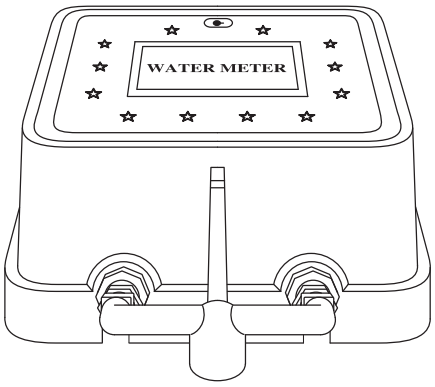
NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

*** Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: GBOL43-31-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: GBOL43-31-U-NA-NL

C

DOUBLE GULFBOXES FOR 5/8" METERS



STRAIGHT INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Both Outlets		
DG112-143-NL	1" Female Iron Pipe	3/4" Flare Copper	42.0	**$ 680.99**
► **DG114-143-NL**	1" Female Iron Pipe	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	42.0	**693.48**
DG118-143-NL	1" Female Iron Pipe	3/4" Male Iron Pipe	42.6	**658.67**
DG122-143-NL	1" Flare Copper	3/4" Flare Copper	42.0	**700.77**
► **DG124-143-NL**	1" Flare Copper	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	42.0	**713.50**
DG128-143-NL	1" Flare Copper	3/4" Male Iron Pipe	42.0	**678.30**
► **DG142-143-NL**	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Flare Copper	42.0	**711.94**
► **DG144-143-NL**	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	43.3	**724.98**
► **DG148-143-NL**	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Male Iron Pipe	43.8	**689.82**

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

*** Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: DG114-143-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: DG114-143-U-NA-NL

DOUBLE GULFBOXES FOR 5/8" METERS (CONTINUED)

ANGLE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Both Outlets		
DG212-143-NL	1" Female Iron Pipe	3/4" Flare Copper	42.0	**$ 710.32**
► **DG214-143-NL**	1" Female Iron Pipe	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	42.0	**722.97**
DG218-143-NL	1" Female Iron Pipe	3/4" Male Iron Pipe	42.0	**687.99**
DG222-143-NL	1" Flare Copper	3/4" Flare Copper	42.0	**719.39**
► **DG224-143-NL**	1" Flare Copper	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	42.0	**732.07**
DG228-143-NL	1" Flare Copper	3/4" Male Iron Pipe	42.0	**696.99**
► **DG242-143-NL**	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Flare Copper	42.0	**714.61**
► **DG244-143-NL**	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	42.0	**727.51**
► **DG248-143-NL**	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Male Iron Pipe	42.0	**692.36**

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

*** Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: DG214-143-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: DG214-143-U-NA-NL

C

DOUBLE GULFBOXES FOR 5/8" X 3/4" METERS

STRAIGHT INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Both Outlets		
DG112-243-NL	1" Female Iron Pipe	3/4" Flare Copper	42.0	**$ 690.62**
► **DG114-243-NL**	1" Female Iron Pipe	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	42.0	**703.31**
DG118-243-NL	1" Female Iron Pipe	3/4" Male Iron Pipe	43.0	**668.13**
DG122-243-NL	1" Flare Copper	3/4" Flare Copper	42.0	**710.32**
► **DG124-243-NL**	1" Flare Copper	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	42.0	**722.97**
DG128-243-NL	1" Flare Copper	3/4" Male Iron Pipe	42.0	**687.99**
► **DG142-243-NL**	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Flare Copper	42.0	**721.65**
► **DG144-243-NL**	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	43.8	**734.40**
► **DG148-243-NL**	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Male Iron Pipe	43.2	**699.15**

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

*** Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: DG142-243-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: DG142-243-U-NA-NL

ANGLE INLET - STRAIGHT OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Both Outlets		
DG212-243-NL	1" Female Iron Pipe	3/4" Flare Copper	42.0	**$ 719.64**
► **DG214-243-NL**	1" Female Iron Pipe	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	42.0	**732.63**
DG218-243-NL	1" Female Iron Pipe	3/4" Male Iron Pipe	43.6	**697.45**
DG222-243-NL	1" Flare Copper	3/4" Flare Copper	42.0	**729.00**
► **DG224-243-NL**	1" Flare Copper	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	42.0	**741.59**
DG228-243-NL	1" Flare Copper	3/4" Male Iron Pipe	43.9	**706.57**
► **DG242-243-NL**	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Flare Copper	42.0	**724.06**
► **DG244-243-NL**	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	42.0	**736.83**
► **DG248-243-NL**	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Male Iron Pipe	43.7	**701.75**

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

*** Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: DG242-243-G-NL

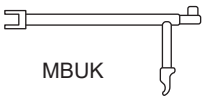
► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: DG242-243-U-NA-NL

PARTS FOR DOUBLE GULFBOXES

Catalog Number	Description	Approx. Wt. Lbs.	List Price
EC-1-NL	Expansion Connection for 5/8" Meter	0.7	**$ 42.33**
EC-1-OR-H2-NL	Expansion Connection for 5/8" Meter, with Dual Check Valves	0.7	**81.84**
ECL-1-NL	Locking Expansion Connection for 5/8" Meter **without** Security Screw	0.9	**81.36**
ECL-1-SSF-NL	Locking Expansion Connection for 5/8" Meter **with** Security Screw	0.9	**87.87**
ECL-1-OR-H2-NL	Locking Expansion Connection for 5/8" Meter **without** Security Screw, with Dual Check Valves	0.9	**120.92**
ECL-1-OR-H2-SSF-NL	Locking Expansion Connection for 5/8" Meter **with** Security Screw, with Dual Check Valves	0.9	**127.41**
EC-23-NL	Expansion Connection for 5/8" x 3/4" Meter	0.9	**47.96**
EC-23-OR-H2-NL	Expansion Connection for 5/8" x 3/4" Meter, with Dual Check Valves	1.0	**87.50**
ECL-23-NL	Locking Expansion Connection for 5/8" x 3/4" Meter **without** Security Screw	1.1	**92.26**
ECL-23-SSF-NL	Locking Expansion Connection for 5/8" x 3/4" Meter **with** Security Screw	1.2	**98.79**
ECL-23-OR-H2-NL	Locking Expansion Connection for 5/8" x 3/4" Meter **without** Security Screw, with Dual Check Valves	1.3	**131.78**
ECL-23-OR-H2-SSF-NL	Locking Expansion Connection for 5/8" x 3/4" Meter **with** Security Screw, with Dual Check Valves	1.3	**138.33**
BOLT-800998-SSF	Security Screw (fits all Ford locking expansions)	-	**7.26**
KEY-800999-SSF	Security Key / Tip Only for Locking Expansion Connection	-	**83.34**
NUT-DR-040072-SSF	Magnetic Nut Driver Less Key / Tip	0.3	**43.58**
EC-1-OR-H2-RK	Check Valve Repair Kit for EC-1-OR-H2-NL	-	**32.36**
EC-23-OR-H2-RK	Check Valve Repair Kit for EC-23-OR-H2-NL	0.1	**32.36**
DGBB	Iron Body, Less Lid	27.5	**181.90**
DGBL	Lid Only for Double Gulfbox	8.6	**54.98**
DGBL-TT	Double Gulfbox Locking Electronic Meter Reading Lid with Two 2" Holes	11.6	**65.62**
DGBLL	Lockless Lid Only for Double Gulfbox	7.8	**54.98**
DGIR-2	2" Iron Riser for Double Gulfbox	10.6	**147.99**
DGSSBP	Stainless Steel Bottom Plate for Double Gulfbox	2.4	**102.60**
MBLK	Yokebox Lid Key	0.3	**20.33**
MBVW	Yokebox Valve Wrench (18" long)	1.9	**73.33**
GT-112	5/8" Rubber Gaskets for Valve and Outlet Saddles	-	**0.49**
GT-32	5/8" Beveled Expansion Connection Gasket	-	**1.37**
GT-33	5/8" x 3/4" Beveled Expansion Connection Gasket	-	**1.67**
GT-210	5/8" Flat Expansion Connection Gasket	-	**1.23**
GT-196	5/8" x 3/4" Flat Expansion Connection Gasket	-	**1.58**
GT-118	5/8" x 3/4" Rubber Gaskets for Valve and Outlet Saddles	-	**0.65**

Note: Valves available on page 27.


MBLK


MBUK

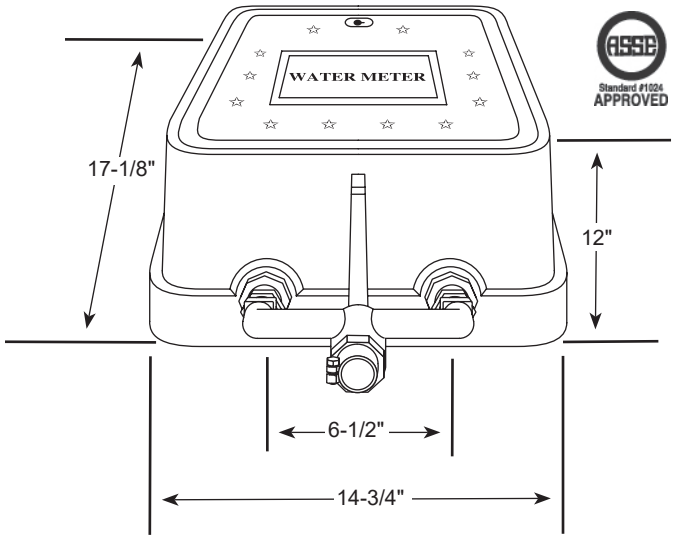
OPTIONS AND ACCESSORIES FOR DOUBLE GULFBOXES

Catalog Number	Description	List Price
PTP	Removable Plastic Plug / Nut for Electronic Meter Reading Lid Hole	**$ 11.58**
PTP-BR	Removable Plastic Plug for Electronic Meter Reading Lid Hole with ERT Bracket	**16.12**
TP	Removable Cast Iron Plug for Electronic Meter Reading Module Hole (with cotter pin)	**9.97**
Insert "-PTP" into Catalog Number	Removable Plastic Plug / Nut for Electronic Meter Reading Lid Hole	**16.90**
Insert "-PTP-BR" into Catalog Number	Removable Plastic Plug for Electronic Meter Reading Lid Hole with ERT Bracket	**21.45**
Insert "-TT" into Catalog Number	Iron Electronic Meter Read Locking Lid (two 2" holes) Example: DG128-243-TT-NL	**10.65**
Insert "-TTP" into Catalog Number	Iron Electronic Meter Read Locking Lid (two 2" holes) with Removable Plugs Example: DG128-243-TTP-NL	**30.57**

Insert into the Catalog Number	Description	5/8" Meter Size Add to Price	5/8" x 3/4" Meter Size Add to Price
Insert "-XA" into Catalog Number	Locking Expansion Connection **without** Ford Security Screw	**$ 78.06**	**$ 88.62**
Insert "-XB" into Catalog Number	Locking Expansion Connection **with** Ford Security Screw	**91.08**	**101.64**
Insert "-XC" into Catalog Number	Expansion Connection with Dual Check Valves for Standard Yokeboxes. Example: DG128-243-XC-NL	**79.06**	**79.08**
Insert "-XD" into Catalog Number	Locking Expansion Connection **without** Ford Security Screw with Dual Check Valves for Standard Yokeboxes. Example: DG128-243-XD-NL	**157.18**	**167.68**
Insert "-XE" into Catalog Number	Locking Expansion Connection **with** Ford Security Screw with Dual Check Valves for Standard Yokeboxes. Example: DG128-243-XE-NL	**170.18**	**180.70**

NOTE: Dual cartridge check valve repair kits (cartridges, gaskets, etc.) are in catalog section I.

FORD LONG DOUBLE GULFBOXES



FORD LONG DOUBLE GULFBOX FOR TWO 5/8" METERS

STRAIGHT BALL VALVE INLET - STRAIGHT BALL VALVE OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Both Outlets		
DGHC118-143-NL	1" Female Iron Pipe	3/4" Male Iron Pipe	81.8	**$ 1596.94**
DGHC128-143-NL	1" Flare Copper	3/4" Male Iron Pipe	70.0	**1605.25**
► **DGHC148-143-NL**	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Male Iron Pipe	70.0	**1612.73**

FORD LONG DOUBLE GULFBOX FOR TWO 5/8" X 3/4" METERS

STRAIGHT BALL VALVE INLET - STRAIGHT BALL VALVE OUTLET

Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Inlet	Both Outlets		
DGHC118-243-NL	1" Female Iron Pipe	3/4" Male Iron Pipe	82.5	**$ 1605.42**
DGHC128-243-NL	1" Flare Copper	3/4" Male Iron Pipe	70.0	**1615.15**
► **DGHC148-243-NL**	1" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Male Iron Pipe	82.6	**1621.07**

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

Two ASSE 1024 approved cartridge style dual check valves are contained completely within the Ford Long Double Gulfbox.

Ordering Information

Gaskets are furnished – Flat gaskets for valve and outlet saddles; beveled and flat gaskets for expansion connections.

***** **Grip Joint** can be ordered by inserting “-G” into the catalog number. Example: DGHC148-143-G-NL

► Ultra-Tite is available. Insert “-U-NA” into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: DGHC148-143-U-NA-NL

Available with locking lid only.

See page C-30 for parts, options and accessories.

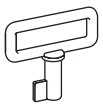
FORD LONG DOUBLE GULFBOX OPTIONS AND ACCESSORIES FOR 5/8" AND 5/8" X 3/4" LONG DOUBLE GULFBOXES

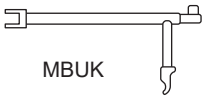
EXPANSION CONNECTION OPTIONS FOR 5/8", 5/8" X 3/4", AND 3/4" LONG DOUBLE GULFBOXES

Catalog Number	Description	List Price
EC-1-NL	Expansion Connection for 5/8" Meter	**$ 42.33**
ECL-1-NL	Locking Expansion Connection for 5/8" Meter **without** Security Screw	**81.36**
ECL-1-SSF-NL	Locking Expansion Connection for 5/8" Meter **with** Security Screw	**87.87**
EC-23-NL	Expansion Connection for 5/8" x 3/4" Meter	**47.96**
ECL-23-NL	Locking Expansion Connection for 5/8" x 3/4" Meter **without** Security Screw	**92.26**
ECL-23-SSF-NL	Locking Expansion Connection for 5/8" x 3/4" Meter **with** Security Screw	**98.79**
BOLT-800998-SSF	Security Screw (fits all Ford locking expansions)	**7.26**
KEY-800999-SSF	Security Key / Tip Only for Locking Expansion Connection	**83.34**
NUT-DR-040072-SSF	Magnetic Nut Driver Less Key / Tip	**43.58**
GT-32	5/8" Beveled Expansion Connection Gasket	**1.37**
GT-33	5/8" x 3/4" Beveled Expansion Connection Gasket	**1.67**
GT-210	5/8" Flat Expansion Connection Gasket	**1.23**
GT-196	5/8" x 3/4" Flat Expansion Connection Gasket	**1.58**

VALVES AND PARTS FOR LONG DOUBLE GULFBOXES

Catalog Number	Description	Approx. Wt. Lbs.	List Price
DGHCB	Long Double Gulfbox Iron Body Casting	56.2	**$ 676.06**
DGHCL	Locking Lid for Long Double Gulfbox	14.9	**92.96**
DGBV83-31-NL	Ball Valve for 5/8" Meter by 3/4" Male Iron Pipe Thread	1.1	**105.07**
DGBV83-32-NL	Ball Valve for 5/8" x 3/4" Meter by 3/4" Male Iron Pipe Thread	1.1	**102.47**
GT-112	5/8" Rubber Gasket for Valve and Outlet Saddles	-	**0.49**
GT-118	5/8" x 3/4" Rubber Gasket for Valve and Outlet Saddles	-	**0.65**
HHCI33-311-3-531PE-NL	3/4" Cartridge Style Dual Check Valve for 5/8" Meter	1.4	**141.10**
HHCI33-322-3-5-PE-NL	3/4" Cartridge Style Dual Check Valve for 5/8" x 3/4" Meter	1.4	**141.10**
MBLK	Meter Box Lid Key	0.3	**20.33**
MBUK	Meter Box Universal Key for Locking Lids, Lockless Lids and Yokebox Valves	1.3	**60.97**


MBLK


MBUK

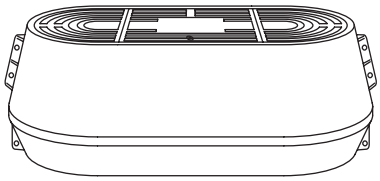
OPTIONS AND ACCESSORIES FOR LONG DOUBLE GULFBOXES

Catalog Number	Description	List Price
PTP	Removable Plastic Plug / Nut for Electronic Meter Reading Lid Hole	**$ 11.58**
PTP-BR	Removable Plastic Plug for Electronic Meter Reading Lid Hole with ERT Bracket	**16.12**
TP	Removable Cast Iron Plug for Electronic Meter Reading Module Hole (with cotter pin)	**9.97**
Insert "-PTP" into Catalog Number	Removable Plastic Plug / Nut for Electronic Meter Reading Lid Hole	**16.90**
Insert "-PTP-BR" into Catalog Number	Removable Plastic Plug for Electronic Meter Reading Lid Hole with ERT Bracket	**21.45**
Insert "-TT" into Catalog Number	Iron Electronic Meter Read Locking Lid (two 2" holes) Example: DGHC128-243-TT-NL	**10.65**
Insert "-TTP" into Catalog Number	Iron Electronic Meter Read Locking Lid (two 2" holes) with Removable Plugs Example: DGHC128-243-TTP-NL	**30.57**

Insert into the Catalog Number	Description	5/8" Meter Size Add to Price	5/8" x 3/4" Meter Size Add to Price
Insert "-XA" into Catalog Number	Locking Expansion Connection **without** Ford Security Screw	**$ 78.06**	**$ 88.62**
Insert "-XB" into Catalog Number	Locking Expansion Connection **with** Ford Security Screw	**91.08**	**101.64**

NOTE: Dual cartridge check valve repair kits (cartridges, gaskets, etc.) are in catalog section I.

PROTECTOR METER BOXES FOR 1-1/2" AND 2" METERS



PROTECTOR BOX LESS BRASS FITTINGS

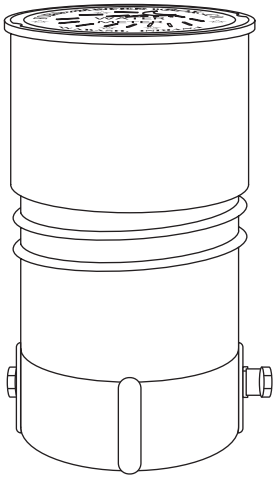
Catalog Number	Description	Approx. Wt. Lbs.	List Price
FPMB-7	Protector Box with Standard Finish	117.5	**$ 1222.84**
FPMB-7EP	Protector Box with Epoxy Coating	115.2	**1667.49**
FPMB-7-T	Protector Box with Standard Finish and Electronic Read Feature on Lid	116.6	**1228.75**

NOTE: Above items DO NOT include brass connections for meters. See table below for valves; see section "H" for complete listing of available meter couplings.

C

PARTS FOR PROTECTOR METER BOXES

Catalog Number	Description	Approx. Wt. Lbs.	List Price
FPMBL-E-7	Protector Box End Lid	6.4	**$ 49.92**
FPMBL-C-7	Protector Box Center Lid	13.2	**122.13**
FPMBL-E-7-T	Protector Box End Electronic Read Lid	5.5	**56.39**
BFP83-676W-NL	1-1/2" Inlet Valve - 2" Male Iron Pipe by 1-1/2" Meter Flange	8.9	**490.99**
BFP83-777W-NL	2" Inlet Valve - 2" Male Iron Pipe by 2" Meter Flange	10.8	**739.58**
BFP83-777W-EXP-NL	2" Inlet Valve - 2" Male Iron Pipe by 2" Expanding Meter Flange	12.4	**789.65**



CRESCENT BOXES

	Catalog Number	Meter Size	Description		Approx. Wt. Lbs.	List Price
			Inlet	Outlet		
	CB111-133-NL	5/8"	3/4" Female Iron Pipe	3/4" Female Iron Pipe	75.7	**$ 752.16**
►	**CB144-133-NL**	5/8"	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	72.0	**788.93**
	CB111-233-NL	5/8" x 3/4"	3/4" Female Iron Pipe	3/4" Female Iron Pipe	75.6	**757.05**
	CB111-333-NL	3/4"	3/4" Female Iron Pipe	3/4" Female Iron Pipe	95.0	**927.49**
	CB111-444-NL	1"	1" Female Iron Pipe	1" Female Iron Pipe	106.8	**1091.99**

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

Note: Iron lockless lids are standard on Crescent Boxes.

* **Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: CB144-133-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: CB144-133-U-NA-NL

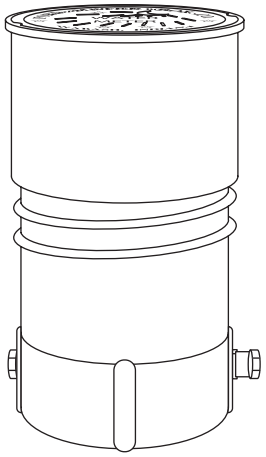
Plastic lid option: Insert "-P" into the catalog number for locking plastic lid..... **no additional charge**
Example: CBxxx-xxx-P-NL
Insert "-PB" into the catalog number for locking plastic lid with ERT bracket and add to price..... **$ 7.86**
Example: CBxxx-xxx-PB-NL

CRESCENT BOX PARTS

	Catalog Number	Meter Size	Description	Approx. Wt. Lbs.	List Price
	CBL	5/8" thru 1"	Iron Locking Lid	10.9	**$ 53.96**
	CBL-T	5/8" thru 1"	Iron Locking Lid with Electronic Read (2" hole)	10.6	**59.29**
	CBLL	5/8" thru 1"	Iron Lockless Top Lid	10.4	**53.96**
	CBLL-T	5/8" thru 1"	Iron Lockless Lid with Electronic Read (2" hole)	10.3	**59.29**
	CBLP	5/8" thru 1"	Plastic Locking Lid	2.4	**53.96**
	CBLP-BR	5/8" thru 1"	Plastic Locking Lid with ERT Bracket	2.6	**61.83**
	CBLN	5/8" thru 1"	Crescent Box Lock Nut (included with valves and outlets)	-	**9.55**
	CBBA	5/8" thru 1"	Box Inner and Outer Barrel	44.7	**310.39**
	CBB-1	5/8" and 5/8" x 3/4"	Base Piece	17.6	**95.55**
	CBB-3	3/4"	Base Piece	30.2	**133.43**
	CBB-4	1"	Base Piece	34.9	**158.28**
	CBA-3	3/4"	Box Adapter Ring	9.9	**51.46**
	CBA-4	1"	Box Adapter Ring	10.4	**68.99**
	CBUB	5/8" thru 1"	One Piece Upper Barrel	30.4	**169.72**
	CBV-1-NL	5/8"	Crescent Box Key Valve 3/4" Female Iron Pipe Inlet	1.8	**146.90**
	CBV13-231-NL	5/8"	Crescent Box Ball Valve 3/4" Female Iron Pipe Inlet	1.4	**145.58**
	CBV13-232-NL	5/8" x 3/4"	Crescent Box Ball Valve 3/4" Female Iron Pipe Inlet	1.3	**147.91**
►	**CBV34-313-NL**	5/8"	Crescent Box Key Valve 3/4" Pack Joint for CTS Inlet*	2.1	**170.08**
	CBEO-1-NL	5/8"	Crescent Box Expansion 3/4" Female Iron Pipe Outlet	1.6	**101.17**
►	**CBEO-4-13-NL**	5/8"	Crescent Box Expansion 3/4" Pack Joint for CTS Outlet*	1.8	**122.69**
	CBV-2-NL	5/8" x 3/4"	Crescent Box Key Valve 3/4" Female Iron Pipe Inlet	1.9	**122.10**
	CBEO-2-NL	5/8" x 3/4"	Crescent Box Expansion 3/4" Female Iron Pipe Outlet	1.5	**105.56**
	CBV-3-NL	3/4"	Crescent Box Key Valve 3/4" Female Iron Pipe Inlet	2.6	**161.71**
	CBEO-3-NL	3/4"	Crescent Box Expansion 3/4" Female Iron Pipe Outlet	2.0	**193.04**
	CBV-4-NL	1"	Crescent Box Key Valve 1" Female Iron Pipe Inlet	3.5	**239.82**
	CBEO-4-NL	1"	Crescent Box Expansion 1" Female Iron Pipe Outlet	2.9	**209.39**
	CBBV13-344-NL	1"	Crescent Box Ball Valve 1" Female Iron Pipe Inlet	2.1	**168.16**
*	**CBBV43-344-NL**	1"	Crescent Box Ball Valve 1" Pack Joint for CTS Inlet	2.5	**185.67**

*** Grip Joint** can be ordered by inserting "-G" into the catalog number. Example: CBV34-313-G-NL

► Ultra-Tite is available. Insert "-U-NA" into the catalog number (shipped unassembled). Contact factory for pricing and availability. Example: CBV34-313-U-NA-NL



OPTIONS AND ACCESSORIES FOR CRESCENT BOXES

Catalog Number	Description	List Price
MBVW	Crescent Box Valve Wrench (18" long)	**$ 73.33**
MBLK	Crescent Box Lid Key	**20.33**
PTP	Removable Plastic Plug / Nut for Electronic Meter Reading Lid Hole	**11.58**
PTP-BR	Removable Plastic Plug for Electronic Meter Reading Lid Hole with ERT Bracket	**16.12**
PBR-YJ	Plastic ERT Bracket with (3) Stainless Steel Clips (field installation only)	**9.68**
TP	Removable Cast Iron Plug for Electronic Meter Reading Module Hole (with cotter pin)	**9.97**
Insert "-PTP" into Catalog Number	Removable Plastic Plug / Nut for Electronic Meter Reading Lid Hole Example: CB111-233-PTP-NL	**16.90**
Insert "-PTP-BR" into Catalog Number	Removable Plastic Plug for Electronic Meter Reading Lid Hole with ERT Bracket Example: CB111-233-PTP-BR-NL	**21.45**
Insert "-T" into Catalog Number	Electronic Meter Read Feature on Iron Lid (2" hole), add to price Example: CB111-233-T-NL	**5.31**

FORD METER BOX COVERS
SECTION D

Ford Meter Box 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 and 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
- **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

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

24" and Larger Meter Pit Covers

TYPE OF LID

- **MC** = Monitor Covers
- **RML** = Monitor Top Lid ONLY

LID THICKNESS

- **H** = Extra Heavy Lid
- **HH** = Double Extra Heavy Lid

LID AND INNER LID

- **MB** = Inner Lid
- **P** = Plastic Lid (not available in extra heavy or double extra heavy)

MC - 2 4 H H - M B - T

FOR TOP LID ONLY

- **1** = Standard Lid
- **11** = Extra Heavy Lid
- **12** = Double Extra Heavy Lid

FOR MONITOR COVERS

- **24** = 24" Pit Diameter
- **30** = 30" Pit Diameter
- **36** = 36" Pit Diameter

OPTIONS

- **T** = Single Electronic Meter Reading Lid, 2" Hole
- **TT** = Double Electronic Meter Reading Lid, Two 2" Holes
- **LB** = Large Pentagon Bolt
- **LL** = Lockless Lid

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

FORD ELECTRONIC METER READING COVER OPTION

Special lids for a number of Ford covers are available with precast holes for electronic meter reading modules. On the following pages, this option is designated with a "-T" for a single hole cover, "-TT" for a double hole cover and a "-NPR" for a Maxi Pit Pro Read single hole cover. For an optional 2" hole plug, removable for future electronic meter reading module installation, use "-TP." For the "-TP" option add to the "-T" price . . . . . **$ 9.97**
The double hole and plug option would be "-TTP." Add to the "-TT" price **$19.93**

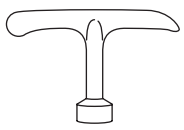
KEYS FOR COVERS AND VALVES

Catalog Number	Description	Approx. Wt. Lbs.	List Price
KEY-1	Key for Standard Pentagon	0.7	**$ 43.44**
KEY-1-B	Key for Large Pentagon	0.7	**44.16**
KEY-1-SLOTTED	Key for Standard Pentagon, Slotted for Valve Tee-Head	0.7	**47.26**
KEY-2	Key for Standard and Large Pentagon	1.0	**51.89**
KEY-2-SLOTTED	Key for Standard and Large Pentagon, Slotted for Valve Tee-Head	1.0	**67.26**
KEY-3-24	24" Long Key for Standard Pentagon	2.4	**115.50**
***KEY-3-B-24**	24" Long Key for Large Pentagon	2.4	**126.71**
KEY-3-30-BH	30" Long Key for Standard Pentagon, Bent Handle	3.1	**142.25**
KEY-3-36	36" Long Key for Standard Pentagon	3.2	**131.74**
KEY-3-48	48" Long Key for Standard Pentagon	4.3	**157.55**
KEY-3-60	60" Long Key for Standard Pentagon	5.1	**161.79**
KEY-3-72	72" Long Key for Standard Pentagon	6.0	**166.44**
KEY-4-24	24" Long Key for Standard Pentagon on One End and Large Pentagon on Tee End	2.6	**176.95**
KEY-4-36	36" Long Key for Standard Pentagon on One End and Large Pentagon on Tee End	3.4	**200.66**
KEY-4-48	48" Long Key for Standard Pentagon on One End and Large Pentagon on Tee End	4.5	**226.31**

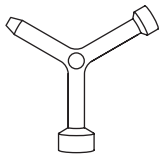
Other key lengths available on special order.

Note: Number 3 and 4 keys for the standard pentagon bolt are slotted for valve operation.

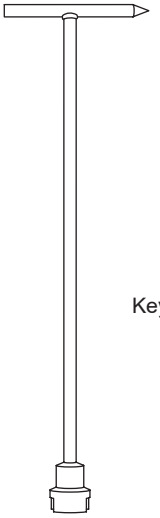
* Keys for large pentagon bolts are not slotted for valve operation. Add "-SLOTTED" to catalog number if needed.



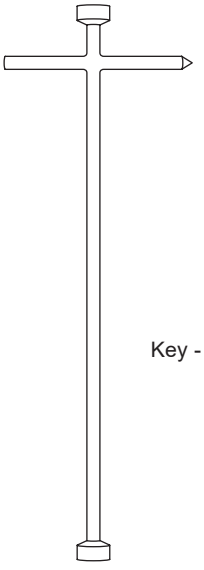
Key - 1



Key - 2

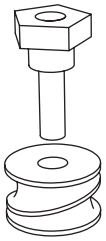


Key - 3



Key - 4

WORM LOCK PARTS

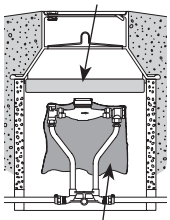


Pentagon Bolt and Worm Gear

Catalog Number	Description	List Price
WLA	Worm Lock Assembly Complete for a Standard Pentagon	**$ 21.30**
WLA-LB	Worm Lock Assembly Complete for a Large Pentagon	**21.30**
WLA-1-25-93026-014	Worm Lock Assembly for use on WA3LP, PPSC-15-L and PPSC-18-L Style Lids	**21.30**
WLA-1-63-93026-015	Worm Lock Assembly for use on PPSC-15-L-P and PPSC-18-L-P Style Lids	**30.34**
WLA-BOLT	Bolt Only for Worm Lock Assembly for a Standard Pentagon	**10.15**
WLA-BOLT-LB	Bolt Only for Worm Lock Assembly for a Large Pentagon	**10.15**
WLA-WORM	Worm Gear Only for Worm Lock Assembly	**10.15**
WLA-WASHER-P	Plastic Washer Only for Worm Lock Assembly	**0.53**
WLA-WASHER-B	Bronze Washer Only for Worm Lock Assembly	**1.26**

INSULATING BLANKETS AND DISCS

Closed Cell Insulating Disc (CCID)



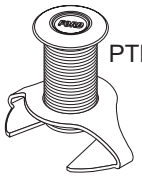
Insulating Blanket (FIB)

Catalog Number	Description	List Price
FIB	4' x 4' x 3/32" Insulating Blanket	**$ 36.14**
CCID-15	15" Closed Cell Insulating Disc – 1-1/2" Thick	**49.44**
CCID-15-2	15" Closed Cell Insulating Disc – 2" Thick	**49.44**
CCID-15-4	15" Closed Cell Insulating Disc – 4" Thick	**76.45**
CCID-15-6	15" Closed Cell Insulating Disc – 6" Thick	**116.73**
CCID-18	18" Closed Cell Insulating Disc – 1-1/2" Thick	**73.07**
CCID-18-2	18" Closed Cell Insulating Disc – 2" Thick	**73.07**
CCID-18-4	18" Closed Cell Insulating Disc – 4" Thick	**109.36**
CCID-18-6	18" Closed Cell Insulating Disc – 6" Thick	**163.77**
CCID-20	20" Closed Cell Insulating Disc - 1-1/2" Thick	**87.08**
■ **CCID-20C-4-2**	20" Closed Cell Insulating Disc - 4" Thick for Corrugated Tile	**231.60**
CCID-24	24" Closed Cell Insulating Disc - 1-1/2" Thick	**128.33**
■ **CCID-24C-4-2**	24" Closed Cell Insulating Disc - 4" Thick for Corrugated Tile	**295.60**
■ **CCID-27-2-2**	27" Closed Cell Insulating Disc - 2" Thick	**P.O.A.**
■ **CCID-27-4-2**	27" Closed Cell Insulating Disc - 4" Thick	**P.O.A.**
■ **CCID-36-2-2**	36" Closed Cell Insulating Disc - 2" Thick	**560.57**
■ **CCID-36-4-2**	36" Closed Cell Insulating Disc - 4" Thick	**660.74**

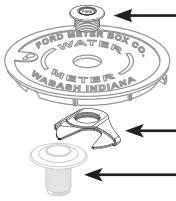
■ Two-piece with removable center access plug for viewing the meter register.



PTP



PTP-BR-3-25



PLASTIC AMR PLUG

Catalog Number	Description	Approx. Wt. Lbs.	List Price
PTP	Plastic Plug and Nut for Electronic Meter Reading Lid having a 1-27/32" or 2" diameter hole. Adapts up to a 5/8" maximum lid thickness.	-	**$ 11.58**
PTP-BR	Plastic Plug with Bracket for Electronic Meter Reading Lid having a 1-27/32" or 2" diameter hole. Adapts up to a 5/8" maximum lid thickness.	-	**16.12**
PTP-3-25	Plastic Plug and Nut for Electronic Meter Reading Lid having a 1-27/32" or 2" diameter hole. Adapts up to a 3-1/4" maximum lid thickness.	0.1	**21.52**
PTP-BR-3-25	Plastic Plug with Bracket for Electronic Meter Reading Lid having a 1-27/32" or 2" diameter hole. Adapts up to a 3-1/4" maximum lid thickness.	0.1	**23.91**

PLASTIC AMR PLUG COMPONENTS

Catalog Number	Description	Approx. Wt. Lbs.	List Price
PLUG-300355	Plastic Lid Plug Only with 1" Threaded Post	-	**$ 7.35**
PLUG-300354	Plastic Lid Plug Only with 3-1/2" Threaded Post	0.1	**15.87**
NUT-300356	Plastic Nut	-	**6.75**
BRACKET-300351	Plastic ERT Bracket	0.1	**10.44**

ERT Bracket on Plastic Lid



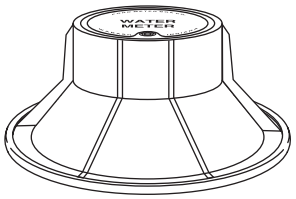


PLASTIC ERT BRACKET FOR WABASH, A, C AND X STYLES - PLASTIC LIDS FOR FIELD INSTALLATIONS ONLY

Catalog Number	Description	Approx. Wt. Lbs.	List Price
PBR-YJ	Plastic ERT Bracket with (3) Stainless Steel Clips (field installation only)	0.1	**$ 9.68**

FORD WABASH DOUBLE LID COVERS

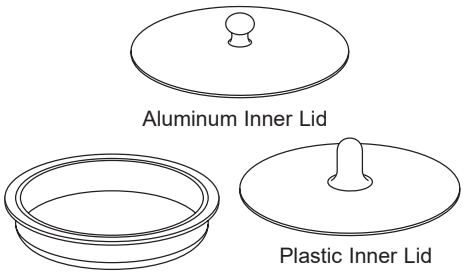
INSET STYLE TOP LID PLUS INNER LID FOR FROST PROTECTION, 10" COVER DEPTH



Catalog Number		Description		Approx.	List Price
w/ Plastic Inset Lid	w/ Iron Lid	Lid Size*	Tile I.D.	Wt. Lbs.	
TYPE W COVER WITH LOCKING LID					
-	**W1**	8"	15"	34.9	**$ 301.40**
♦ **W31PR	**W31**	11-1/2"	15"	43.9	**317.79**
-	**W2**	9-1/2"	18"	42.6	**338.54**
♦ **W32PR	**W32**	11-1/2"	18"	51.2	**319.85**
♦ **W3PR	**W3**	11-1/2"	20"	51.7	**349.17**
♦ **W4PR	**W4**	11-1/2"	21"	51.9	**434.87**
TYPE W COVER WITH LOCKLESS LID					
-	**W31-LL**	11-1/2"	15"	43.9	**345.23**
-	**W32-LL**	11-1/2"	18"	51.3	**347.26**
-	**W3-LL**	11-1/2"	20"	51.8	**376.57**
-	**W4-LL**	11-1/2"	21"	52.0	**462.27**
**** TYPE W COVER WITH LOCKING ELECTRONIC READ LID**					
-	**W31-T**	11-1/2"	15"	44.2	**323.11**
-	**W2-T**	9-1/2"	18"	42.3	**343.85**
-	**W32-T**	11-1/2"	18"	51.5	**325.18**
-	**W3-T**	11-1/2"	20"	52.0	**354.49**
-	**W4-T**	11-1/2"	21"	52.3	**440.20**
**** TYPE W COVER WITH LOCKING DOUBLE ELECTRONIC READ LID**					
-	**W31-TT**	11-1/2"	15"	45.0	**328.44**
-	**W32-TT**	11-1/2"	18"	51.5	**330.50**
-	**W3-TT**	11-1/2"	20"	52.0	**359.82**
-	**W4-TT**	11-1/2"	21"	56.0	**445.51**
TYPE W COVER, EXTRA HEAVY FRAME AND EXTRA HEAVY LOCKING LID					
-	**W3H**	11-1/2"	20"	89.0	**637.30**
TYPE W COVER, EXTRA HEAVY FRAME AND EXTRA HEAVY LOCKING ELECTRONIC READ LID					
-	**W3H-T**	11-1/2"	20"	86.4	**642.62**

** A plastic inner lid with a 2" recess is standard (see W3BPD below) in Wabash style electronic meter reading covers and Wabash covers with plastic inset lids with a 11-1/2" lid opening.

D



TOP LIDS FOR WABASH COVER

(see following page)

INNER LIDS ONLY FOR WABASH COVERS

Catalog Number	Description Lid Size* and Type	Approx. Wt. Lbs.	List Price
W1BA	8" Aluminum	1.3	**$ 53.47**
W2BA	9-1/2" Aluminum	1.6	**67.10**
W3BA	11-1/2" Aluminum	1.8	**74.23**
W3BP	11-1/2" Plastic	0.6	**11.85**
W3BPD	11-1/ 2" Plastic w/ 2" Recess	0.6	**11.85**

W3BPD comes standard with Wabash style electronic read lids and Wabash covers with plastic lids.

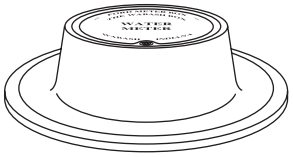
Note: Locking lids are supplied with a standard pentagon bolt. If a large bolt is desired, add "-LB" to the catalog number. Example, a W3-LB is a W3 cover with a large bolt on the locking lid. Large bolt option supplied at no extra charge.

* Lid size indicates approximate pit access opening; actual lid diameter is approximately 1" larger.

♦ Optional ERT Bracket: Add "-BR" to end of catalog number, add to list price ..... **$ 7.86**

FORD TYPE A SINGLE LID COVERS

INSET STYLE TOP LID, 4" COVER DEPTH



Catalog Number		Description		Approx. Wt. Lbs.	List Price
w/ Plastic Inset Lid	w/ Iron Lid	Lid Size*	Tile I.D.		
TYPE A COVER WITH LOCKING LID					
-	**A1**	8"	15"	25.6	**$ 187.78**
♦ **A31PR**	**A31**	11-1/2"	15"	27.5	**169.95**
-	**A2**	9-1/2"	18"	30.6	**189.02**
♦ **A32PR**	**A32**	11-1/2"	18"	32.0	**173.01**
♦ **A3PR**	**A3**	11-1/2"	20"	33.8	**211.18**
♦ **A4PR**	**A4**	11-1/2"	21"	35.3	**285.02**
-	**A53**	15"	20"	40.4	**353.83**
TYPE A COVER WITH LOCKLESS LID					
-	**A31-LL**	11-1/2"	15"	27.6	**197.29**
-	**A32-LL**	11-1/2"	18"	32.1	**200.46**
-	**A3-LL**	11-1/2"	20"	33.8	**238.58**
-	**A4-LL**	11-1/2"	21"	35.3	**312.37**
TYPE A COVER WITH LOCKING ELECTRONIC READ LID					
-	**A31-T**	11-1/2"	15"	27.8	**175.27**
-	**A2-T**	9-1/2"	18"	30.3	**194.35**
-	**A32-T**	11-1/2"	18"	32.3	**178.32**
-	**A3-T**	11-1/2"	20"	34.1	**216.51**
-	**A4-T**	11-1/2"	21"	35.6	**290.35**
-	**A53-T**	15"	20"	40.4	**359.14**
TYPE A COVER WITH LOCKING DOUBLE ELECTRONIC READ LID					
-	**A31-TT**	11-1/2"	15"	28.0	**180.61**
-	**A32-TT**	11-1/2"	18"	32.3	**183.65**
-	**A3-TT**	11-1/2"	20"	34.1	**221.84**
-	**A4-TT**	11-1/2"	21"	35.6	**295.67**
-	**A53-TT**	15"	20"	40.4	**364.47**
TYPE A MODULAR METER PIT COVERS					
-	**A6234H**	18"	18", 20", 21"	108	**646.03**
-	**A656H**	18"	24", 27"	135	**994.18**
TYPE A COVER, EXTRA HEAVY FRAME WITH EXTRA HEAVY LOCKING LID					
-	**A3H**	11-1/2"	20"	54.0	**396.96**
TYPE A COVER, EXTRA HEAVY FRAME WITH EXTRA HEAVY LOCKING ELECTRONIC READ LID					
-	**A3H-T**	11-1/2"	20"	53.5	**402.28**
TYPE A COVER, DOUBLE EXTRA HEAVY FRAME WITH EXTRA HEAVY LOCKING LID					
-	**A32HH**	11-1/2"	18"	63.4	**452.55**
TYPE A COVER, DOUBLE EXTRA HEAVY FRAME WITH EXTRA HEAVY LOCKING ELECTRONIC READ LID					
-	**A32HH-T**	11-1/2"	18"	68.9	**457.87**

♦ Optional ERT Bracket: Add "-BR" to end of catalog number, add to list price.....**$ 7.86**

TOP LIDS ONLY FOR TYPE A AND WABASH COVER

Note: All top lids are iron unless indicated otherwise.



Catalog Number	Description Lid Size* and Type	Approx. Wt. Lbs.	List Price
PLASTIC LOCKING LID			
WA3LPR	11-1/2" Plastic (inset)	3.1	**$ 63.72**
WA3LPR-BR	11-1/2" Plastic (inset) w/ ERT Bracket	3.2	**71.63**
WA3LPR-C-T	11-1/2" Plastic (inset) with Touch Read Hole	3.1	**80.35**
LOCKING IRON LID			
WA1L	8"	5.7	**61.93**
WA2L	9-1/2"	7.1	**62.52**
** **WA3L**	11-1/2"	9.8	**63.72**
** **WA3LH**	11-1/2" Extra Heavy	21.9	**158.82**
WA5L	15"	17.2	**131.11**
WA5LH	15" Extra Heavy	38.3	**264.07**
WA6LH	18" Extra Heavy	54.0	**332.90**
LOCKLESS IRON LID			
WA3L-LL	11-1/2"	9.8	**91.14**
LOCKING ELECTRONIC READ IRON LID			
WA1L-T	8"	5.7	**67.24**
WA2L-T	9-1/2"	6.8	**67.83**
WA3L-T	11-1/2"	10.1	**69.06**
WA3LH-T	11-1/2" Extra Heavy	21.4	**164.16**
WA5L-T	15"	17.2	**136.45**
LOCKING DOUBLE ELECTRONIC READ IRON LID			
WA3L-TT	11-1/2"	10.1	**74.37**
WA5L-TT	15"	17.2	**141.76**

Note: Locking lids are supplied with a standard pentagon bolt. If a large bolt is desired, add "-LB" to the catalog number. Example: A3-LB is an A3 cover with a large bolt on the locking lid. Large bolt option supplied at same price.

* Lid size indicates approximate pit access opening; actual lid diameter is approximately 1" larger.

** Available with the word "SEWER" at no extra charge. Add "-SEWER" to the catalog number.

FORD TYPE C SINGLE LID COVERS
OVERLAPPING STYLE TOP LID, 4" COVER DEPTH

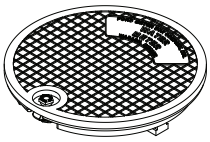


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Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Lid Size*	Tile I.D.		
TYPE C COVER WITH PLASTIC LOCKING LID				
♦ C31P	11-1/2"	15"	19.5	$ 139.88
♦ C32P	11-1/2"	18"	21.6	146.32
♦ C3P	11-1/2"	20"	27.8	187.60
♦ C4P	11-1/2"	21"	34.0	282.60
TYPE C COVER WITH LOCKING LID				
C1	8"	15"	20.8	$ 162.60
C31	11-1/2"	15"	26.8	150.58
C32	11-1/2"	18"	28.9	157.06
C52	15"	18"	36.9	256.86
C3	11-1/2"	20"	35.1	198.32
C53	15"	20"	40.4	305.36
C4	11-1/2"	21"	37.9	293.35
TYPE C COVER WITH LOCKLESS LID				
C31-LL	11-1/2"	15"	29.1	150.58
C32-LL	11-1/2"	18"	31.2	157.06
C3-LL	11-1/2"	20"	37.4	198.32
C4-LL	11-1/2"	21"	40.2	293.35
TYPE C COVER WITH LOCKING ELECTRONIC READ LID				
C1-T	8"	15"	21.0	167.94
C31-T	11-1/2"	15"	27.8	155.91
C32-T	11-1/2"	18"	29.9	162.39
C52-T	15"	18"	36.9	262.17
C3-T	11-1/2"	20"	36.1	203.66
C53-T	15"	20"	40.1	310.68
C4-T	11-1/2"	21"	38.9	298.65
TYPE C COVER WITH LOCKING DOUBLE ELECTRONIC READ LID				
C31-TT	11-1/2"	15"	24.0	161.23
C32-TT	11-1/2"	18"	30.5	167.71
C3-TT	11-1/2"	20"	36.7	208.97
C4-TT	11-1/2"	21"	39.5	303.98
C53-TT	15"	20"	40.0	316.01
TYPE C COVER, EXTRA HEAVY FRAME WITH EXTRA HEAVY LOCKING LID				
C31H	11-1/2"	15"	37.3	418.00
C32H	11-1/2"	18"	44.7	345.51
C3H	11-1/2"	20"	50.5	412.68
TYPE C COVER, EXTRA HEAVY FRAME WITH EXTRA HEAVY LOCKING ELECTRONIC READ LID				
C3H-T	11-1/2"	20"	50.5	418.00
C32H-T	11-1/2"	18"	44.7	345.51

♦ Optional ERT Bracket: Add "-BR" to end of catalog number, add to list price..... **$ 7.86**

TOP LIDS ONLY FOR TYPE C COVERS



Catalog Number	Description Lid Size* and Type	Approx. Wt. Lbs.	List Price
LOCKING PLASTIC LID			
CX3LP	11-1/2" Plastic (overlapping)	3.0	$ 62.52
CX3LP-BR	11-1/2" Plastic (overlapping) w/ ERT Bracket	3.1	70.39
LOCKING TOP LIDS ONLY			
C1L	8"	5.3	46.33
C2L	9-1/2"	8.3	67.92
**C3L	11-1/2"	10.3	73.25
C3LH	11-1/2" Extra Heavy	17.3	117.06
C5L	15"	18.9	159.05
LOCKLESS TOP LID ONLY			
C3L-LL	11-1/2"	12.6	73.25
LOCKING ELECTRONIC READ TOP LIDS ONLY			
C1L-T	8"	5.7	51.65
**C3L-T	11-1/2"	11.3	78.58
C3LH-T	11-1/2" Extra Heavy	17.3	122.39
C5L-T	15"	18.9	164.38
LOCKING DOUBLE ELECTRONIC TOP LIDS ONLY			
C3L-TT	11-1/2"	11.9	83.89
C5L-TT	15"	18.7	169.70

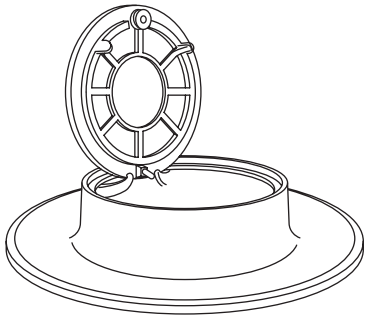
Note: Locking lids are supplied with a standard pentagon bolt. If a large bolt is desired, add "-LB" to the catalog number. Example: C3-LB is a C3 cover with a large bolt on the locking lid. Large bolt option supplied at same price.

* Lid size indicates approximate pit access opening; actual lid diameter is approximately 1" larger.

** Available with the word "SEWER" at no extra charge. Add "-SEWER" to the catalog number.

FORD TYPE X SINGLE LID COVERS

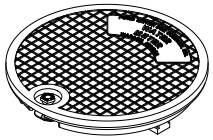
OVERLAPPING STYLE TOP LID WITH HINGED LID SUPPORT ON FRAME, 4" COVER DEPTH



Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Lid Size*	Tile I.D.		
TYPE X COVER WITH PLASTIC LOCKING LID				
♦ **X32P**	11-1/2"	18"	21.7	**$ 143.41**
♦ **X3P**	11-1/2"	20"	30.0	**196.45**
♦ **X4P**	11-1/2"	21"	35.0	**279.51**
TYPE X COVER WITH LOCKING LID				
X32	11-1/2"	18"	30.9	**163.53**
X3	11-1/2"	20"	38.2	**216.57**
X43	13-1/2"	20"	41.5	**256.38**
X4	11-1/2"	21"	39.1	**299.61**
TYPE X COVER WITH LOCKING ELECTRONIC READ LID				
X32-T	11-1/2"	18"	30.7	**168.86**
X3-T	11-1/2"	20"	38.0	**221.90**
X43-T	13-1/2"	20"	41.3	**261.72**
X4-T	11-1/2"	21"	38.9	**304.95**
TYPE X COVER WITH LOCKING DOUBLE ELECTRONIC READ LID				
X32-TT	11-1/2"	18"	30.5	**174.18**
X3-TT	11-1/2"	20"	37.8	**227.22**
X4-TT	11-1/2"	21"	38.7	**310.27**

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TOP LIDS ONLY FOR TYPE X COVERS



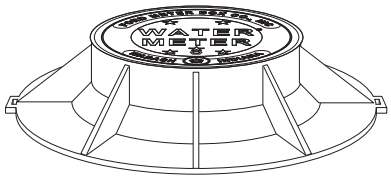
Catalog Number	Description Lid Size* and Type	Approx. Wt. Lbs.	List Price
LOCKING PLASTIC LID			
CX3LP	11-1/2" Plastic (overlapping)	3.0	**$ 62.52**
CX3LP-BR	11-1/2" Plastic (overlapping) w/ ERT Bracket	3.1	**70.39**
LOCKING LIDS ONLY			
X3L	11-1/2"	12.1	**82.63**
****X43L**	13-1/2"	16.3	**121.86**
LOCKING ELECTRONIC READ LIDS ONLY			
X3L-T	11-1/2"	11.9	**87.96**
X43L-T	13-1/2"	16.1	**127.17**
LOCKING DOUBLE ELECTRONIC READ LID			
X3L-TT	11-1/2"	11.7	**93.28**
X43L-TT	13-1/2"	15.9	**132.51**

Note: Locking lids are supplied with a standard pentagon bolt. If a large bolt is desired, add "-LB" to the catalog number. Example: X3-LB is an X3 cover with a large bolt on the locking lid. Large bolt option supplied at no extra charge.

** Available with the word "SEWER" at no extra charge. Add "-SEWER" to the catalog number.

FORD PMBC-3 PLASTIC SINGLE LID COVER

OVERLAPPING STYLE TOP LID, 4" COVER DEPTH



Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Lid Size*	Tile I.D.		
PLASTIC COVER WITH LOCKING LID				
♦ **PMBC-3**	11"	18" and 20"	8.6	**$ 133.21**

Note: For plastic meter box cover with a large pentagon bolt, add "-LB" to catalog number (PMBC-3-LB). Not available with lockless lid or electronic read feature.

LID ONLY AND FRAME ONLY FOR PMBC-3

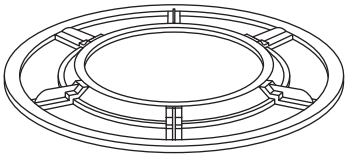
Catalog Number	Description	List Price
♦ **PMBC-3L**	Lid only for PMBC-3	**$ 62.52**
FPMBC-3	Frame only for PMBC-3	**77.55**

* Lid size indicates approximate pit access opening; actual lid diameter is approximately 1" larger.

♦ Optional ERT Bracket: Add "-BR" to end of catalog number, add to list price..... **$ 7.86**

FORD EXTENSION RINGS

FOR WABASH, A, C, OR X TYPE COVERS

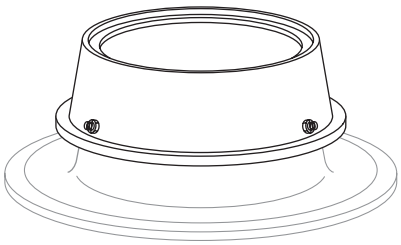


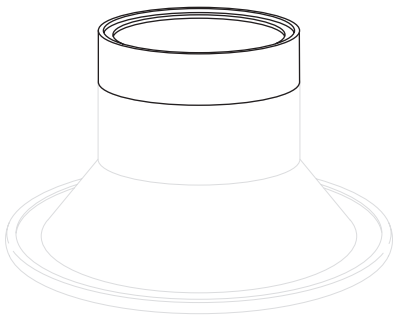
EXT-3
Shown

Catalog Number	Description / Usage	Approx. Wt. Lbs.	List Price
EXT-1	Adapts 18" Covers to 24" Tile	23.0	**$ 207.49**
EXT-2	Adapts 20" Covers to 24" Tile	19.5	**207.49**
EXT-3	Adapts 18" Covers to 30" Tile	60.5	**363.32**
EXT-4	Adapts 20" Covers to 30" Tile	55.5	**363.32**
EXT-5	Adapts 20" Covers to 36" Tile	121.0	**841.10**

FORD ELEVATOR RINGS

FOR WABASH AND A OR C AND X TYPE COVERS

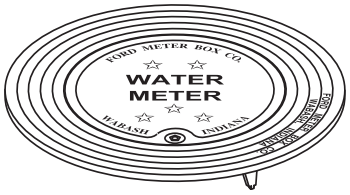




Catalog Number	Description / Usage	Approx. Wt. Lbs.	List Price
ER15CX	Raises Type C and X Covers 1-1/2"	6.8	**$ 75.44**
ER3CX	Raises Type C and X Covers 3"	13.6	**79.07**
ER25AW	Raises Type A and Wabash Covers 2-1/2"	8.9	**78.94**
ER4AW	Raises Type A and Wabash Covers 4"	15.7	**124.77**

Note: Elevator rings are only for covers with 11-1/2" top lids.

FORD FLAT METER BOX COVERS
TYPE KA FLAT COVERS WITH INSET STYLE LIDS



Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Lid Size*	Tile I.D.		
COVER WITH PLASTIC LOCKING LID				
▲ KA31PR	11-1/2"	15"	25.0	$ 239.36
▲ KA32PR	11-1/2"	18"	29.9	303.51
COVER WITH LOCKING LID				
KA31	11-1/2"	15"	24.6	239.36
KA32	11-1/2"	18"	36.5	303.51
COVER WITH LOCKLESS LID				
KA31-LL	11-1/2"	15"	31.0	266.70
KA32-LL	11-1/2"	18"	36.6	330.93
COVER WITH LOCKING ELECTRONIC READ LID				
KA31-T	11-1/2"	15"	24.9	244.68
KA32-T	11-1/2"	18"	36.8	308.84
COVER WITH LOCKING DOUBLE ELECTRONIC READ LID				
KA31-TT	11-1/2"	15"	24.9	250.02
KA32-TT	11-1/2"	18"	36.8	314.17

▲ Optional ERT Bracket: Add "-BR" to end of catalog number, add to list price .....**$ 7.86**

D

TOP LIDS ONLY FOR TYPE KA FLAT COVERS



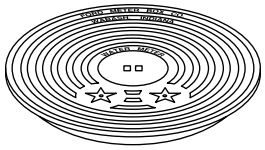
Catalog Number	Description Lid Size*	Approx. Wt. Lbs.	List Price
PLASTIC LOCKING LID			
WA3LP	11-1/2" Plastic	3.8	$ 63.72
WA3LP-BR	11-1/2" Plastic w/ ERT bracket	4.0	71.60
LOCKING TOP LID ONLY			
**WA3L	11-1/2"	9.8	63.72
LOCKLESS TOP LID ONLY			
WA3L-LL	11-1/2"	9.8	91.14
LOCKING ELECTRONIC READ LID ONLY			
WA3L-T	11-1/2"	10.1	69.06
LOCKING DOUBLE ELECTRONIC READ LID			
WA3L-TT	11-1/2"	10.1	74.37

Note: Locking lids are supplied with a standard pentagon bolt. If a large bolt is desired, add "-LB" to the catalog number. Example: KA31-LB is a KA31 cover with a large bolt on the locking lid. Large bolt option supplied at no extra charge.

* Lid size indicates approximate pit access opening; actual lid diameter is approximately 1" larger.

** Available with the word "SEWER" at no extra charge. Add "-SEWER" to the catalog number.

FORD ONE PIECE FLAT COVERS
(no separate top lid)

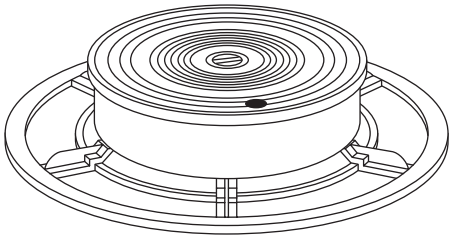


Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Locking Lid	Lockless Lid		
STANDARD ONE PIECE FLAT IRON COVER				
■ PPSC-15-L	15"	-	19.8	$ 105.03
PPSC-15	-	15"	13.0	105.03
■ PPSC-18-L	18"	-	28.3	194.62
PPSC-18	-	18"	24.7	194.62
ELECTRONIC READ ONE PIECE FLAT IRON COVER				
■ PPSC-15-L-T	15"	-	19.8	$ 110.35
PPSC-15-T	-	15"	13.0	110.35
PPSC-15-REC-T	-	15"	17.2	117.94
■ PPSC-18-L-T	18"	-	26.3	199.94
PPSC-18-T	-	18"	24.5	199.94
ELECTRONIC READ ONE PIECE FLAT IRON COVER (EXTRA HEAVY)				
PPSCH-15-REC-T	15"	-	17.2	$ 275.00
DOUBLE ELECTRONIC READ ONE PIECE FLAT IRON COVER				
■ PPSC-15-L-TT	15"	-	19.8	$ 115.68
PPSC-15-TT	-	15"	13.0	115.68
■ PPSC-18-L-TT	18"	-	26.3	205.25
PPSC-18-TT	-	18"	24.3	205.25
H-20 RATED COMPOSITE FLAT COVER				
▲ PPSC-15-L-P	15"	-	15.9	$ 300.03
▲ PPSC-18-L-P	18"	-	23.4	364.59

■ Add "-BR" to end of catalog number for plastic ERT bracket, add to list price..... **$ 32.95**

▲ Optional ERT Bracket: Add "-BR" to end of catalog number, add to list price..... **$ 7.86**

FORD MONITOR COVERS
FOR LARGE SETTINGS



D

Catalog Number	Description		Depth	Approx. Wt. Lbs.	List Price
	Lid Size*	Tile I.D.			
COVER WITH LOCKING LID					
♦ **MC-24**	20"	24"	7-1/2"	101.8	**$ 798.27**
♦ **MC-30**	20"	30"	7-1/2"	139.8	**965.74**
♦ **MC-36**	20"	36"	8"	203.8	**1430.83**
♦ Add "-P" for optional plastic lid. Example: MC-36-P					
COVER WITH LOCKLESS LID					
MC-24-LL	20"	24"	7-1/2"	105.1	**798.27**
MC-30-LL	20"	30"	7-1/2"	143.1	**965.74**
MC-36-LL	20"	36"	8"	207.1	**1430.83**
COVER WITH LOCKING ELECTRONIC READ LID					
MC-24-T	20"	24"	7-1/2"	101.7	**853.38**
MC-30-T	20"	30"	7-1/2"	139.7	**1020.84**
MC-36-T	20"	36"	8"	203.7	**1485.95**
COVER WITH LOCKING TWO-HOLE ELECTRONIC READ LID					
MC-24-TT	20"	24"	7-1/2"	101.4	**862.35**
MC-30-TT	20"	30"	7-1/2"	139.4	**1029.81**
MC-36-TT	20"	36"	8"	203.4	**1494.90**
COVER WITH PLASTIC INNER LID AND LOCKING TOP LID					
♦ **MC-24-MB**	20"	24"	7-1/2"	103.4	**897.58**
♦ **MC-30-MB**	20"	30"	7-1/2"	141.3	**1065.03**
♦ **MC-36-MB**	20"	36"	8"	205.3	**1530.12**
♦ Add "-P" for optional plastic lid. Example: MC-36-MB-P					
COVER WITH PLASTIC INNER LID AND LOCKLESS TOP LID					
MC-24-MB-LL	20"	24"	7-1/2"	103.4	**897.58**
MC-30-MB-LL	20"	30"	7-1/2"	144.6	**1065.03**
MC-36-MB-LL	20"	36"	8"	208.6	**1530.12**
COVER WITH PLASTIC INNER LID AND LOCKING ELECTRONIC READ TOP LID					
MC-24-MB-T	20"	24"	7-1/2"	103.2	**952.68**
MC-30-MB-T	20"	30"	7-1/2"	141.2	**1120.13**
MC-36-MB-T	20"	36"	8"	205.2	**1585.25**
COVER WITH PLASTIC INNER LID AND LOCKING TWO-HOLE ELECTRONIC READ TOP LID					
MC-24-MB-TT	20"	24"	7-1/2"	102.9	**961.64**
MC-30-MB-TT	20"	30"	7-1/2"	140.9	**1129.11**
MC-36-MB-TT	20"	36"	8"	205.4	**1594.20**
MONITOR COVER WITH EXTRA HEAVY LOCKING LID					
MC-24H	20"	24"	7-1/2"	127.0	**983.96**
MC-30H	20"	30"	7-1/2"	165.0	**1151.42**
MC-36H	20"	36"	8"	229.0	**1616.53**
MONITOR COVER WITH EXTRA HEAVY LOCKING ELECTRONIC READ LID					
MC-24H-T	20"	24"	7-1/2"	126.5	**1039.07**
MC-30H-T	20"	30"	7-1/2"	164.5	**1206.53**
MC-36H-T	20"	36"	8"	228.5	**1671.65**
MONITOR COVER WITH EXTRA HEAVY LOCKING TWO-HOLE ELECTRONIC READ TOP LID					
MC-24H-TT	20"	24"	7-1/2"	120.5	**1048.03**
MC-30H-TT	20"	30"	7-1/2"	167.0	**1215.50**
MC-36H-TT	20"	36"	8"	209.0	**1680.62**
MONITOR COVER WITH DOUBLE EXTRA HEAVY LOCKING LID					
MC-24HH	20"	24"	7-1/2"	121.9	**1032.90**
MC-30HH	20"	30"	7-1/2"	167.0	**1200.43**
MC-36HH	20"	36"	8"	223.9	**1665.51**
MONITOR COVER WITH DOUBLE EXTRA HEAVY LOCKING ELECTRONIC READ TOP LID					
MC-24HH-T	20"	24"	7-1/2"	128.5	**1088.02**
MC-30HH-T	20"	30"	7-1/2"	166.5	**1255.53**
MC-36HH-T	20"	36"	8"	230.5	**1720.62**
MONITOR COVER WITH DOUBLE EXTRA HEAVY LOCKING TWO-HOLE ELECTRONIC READ TOP LID					
MC-30HH-TT	20"	30"	7-1/2"	164.0	**1264.52**

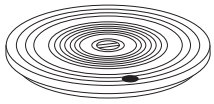
Note: Locking lids are supplied with a standard pentagon bolt. If a large bolt is desired, add "-LB" to the catalog number. Example: MC-30-LB is a MC-30 cover with a large bolt on the locking lid. Large bolt option supplied at no extra charge.

* Lid size indicates approximate pit access opening; actual lid diameter is approximately 1" larger.

FORD MONITOR COVERS (CONTINUED)
FOR LARGE SETTINGS

Catalog Number	Description		Depth	Approx. Wt. Lbs.	List Price
	Lid Size*	Tile I.D.			
MONITOR COVER WITH PLASTIC INNER LID AND EXTRA HEAVY LOCKING LID					
MC-24H-MB	20"	24"	7-1/2"	123.7	**$ 1083.26**
MC-30H-MB	20"	30"	7-1/2"	166.5	**1250.73**
MC-36H-MB	20"	36"	8"	230.5	**1715.84**
MONITOR COVER WITH PLASTIC INNER LID AND EXTRA HEAVY LOCKING ELECTRONIC READ TOP LID					
MC-24H-MB-T	20"	24"	7-1/2"	128.0	**1138.37**
MC-30H-MB-T	20"	30"	7-1/2"	162.2	**1305.83**
MC-36H-MB-T	20"	36"	8"	230.0	**1770.95**
MONITOR COVER WITH PLASTIC INNER LID AND EXTRA HEAVY LOCKING TWO-HOLE ELECTRONIC READ TOP LID					
MC-24H-MB-TT	20"	24"	7-1/2"	123.7	**1147.33**
MC-30H-MB-TT	20"	30"	7-1/2"	162.2	**1314.81**
MC-36H-MB-TT	20"	36"	8"	224.0	**1779.93**
MONITOR COVER WITH PLASTIC INNER LID AND LOCKING DOUBLE EXTRA HEAVY LID					
MC-24HH-MB	20"	24"	7-1/2"	123.4	**1132.22**
MC-30HH-MB	20"	30"	7-1/2"	161.4	**1299.73**
MC-36HH-MB	20"	36"	8"	225.4	**1764.81**
MONITOR COVER WITH PLASTIC INNER LID AND DOUBLE EXTRA HEAVY LOCKING ELECTRONIC READ TOP LID					
MC-24HH-MB-T	20"	24"	7-1/2"	130.0	**1187.34**
MC-30HH-MB-T	20"	30"	7-1/2"	161.4	**1354.84**
MC-36HH-MB-T	20"	36"	8"	232.0	**1819.92**
MONITOR COVER WITH PLASTIC INNER LID AND DOUBLE EXTRA HEAVY LOCKING TWO-HOLE ELECTRONIC READ TOP LID					
MC-24HH-MB-TT	20"	24"	7-1/2"	123.4	**1196.29**
MC-30HH-MB-TT	20"	30"	7-1/2"	161.4	**1363.82**
MC-36HH-MB-TT	20"	36"	8"	225.4	**1828.89**

TOP LIDS ONLY FOR MONITOR COVERS



Catalog Number	Description Lid Size* and Type	Approx. Wt. Lbs.	List Price
LOCKING TOP LIDS			
RML-1	20"	36.6	**$ 254.21**
RMLP-1	20" (Plastic)	12.6	**254.21**
RML-11	20" Extra Heavy	61.8	**439.89**
RML-12	20" Double Extra Heavy	56.7	**488.88**
LOCKLESS TOP LID			
RML-1-LL	20"	39.9	**254.21**
LOCKING ELECTRONIC READ TOP LID			
RML-1-T	20"	36.5	**309.32**
RML-11-T	20" Extra Heavy	61.3	**495.07**
RML-12-T	20" Double Extra Heavy	63.3	**543.99**
LOCKING DOUBLE ELECTRONIC READ TOP LID			
RML-1-TT	20"	36.2	**318.28**
RML-11-TT	20" Extra Heavy	55.3	**503.98**

Note: Locking lids are supplied with a standard pentagon bolt. If a large bolt is desired, add "-LB" to the catalog number. For example: RML-1-LB is a RML-1 with a large bolt. Large bolt option supplied at no extra charge.

PARTS FOR MONITOR COVERS

Catalog Number	Description	Approx. Wt. Lbs.	List Price
MB	Plastic Monitor Cover Inner Lid	1.5	**$ 99.30**
PR	Monitor Cover Ring (with lid recess) 6" in Height	42.7	**337.80**
FL-24	Monitor Cover Flange Only for 24" I.D. Tile	22.5	**206.45**
FL-30	Monitor Cover Flange Only for 30" I.D. Tile	60.5	**373.67**
FL-36	Monitor Cover Flange Only for 36" I.D. Tile	124.5	**844.64**
PRR-2	2" Riser Ring for Monitor Cover (includes hook and nut set)	24.5	**257.81**
PRR-2-HOOK-NUT-SET	Two Hooks and Two Nuts for Attaching 2" Riser Ring	0.2	**24.41**

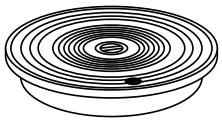
* Lid size indicates approximate pit access opening; actual lid diameter is approximately 1" larger.

FORD REPLACEMENT PARTS FOR MONITOR COVERS

PARTS FOR MONITOR COVERS

Catalog Number	Description	Approx. Wt. Lbs.	List Price
PR	Ring (with lid recess) 6" in Height for Rectangular Pit Cover	42.7	**$ 337.80**
PRR-2	2" Riser Ring for Rectangular Pit Cover (raises lid opening 2")	24.5	**257.81**
RR-1	PR Ring (with lid recess) with Standard Weight Top Lid (RML-1)	79.3	**569.47**
RR-11	PR Ring (with lid recess) with Extra Heavy Top Lid (RML-11)	104.5	**740.75**
RR-12	PR Ring (with lid recess) with Double Extra Heavy Top Lid (RML-12)	99.4	**784.78**
RR-1-T	PR Ring (with lid recess) with Standard Weight Top Lid (RML-1) with Electronic Read Lid	79.2	**624.59**
RR-11-T	PR Ring (with lid recess) with Extra Heavy Top Lid (RML-11) with Electronic Read Lid	104.0	**795.88**
RR-12-T	PR Ring (with lid recess) with Double Extra Heavy Top Lid (RML-12) with Electronic Read Lid	115.0	**839.95**

FORD PIT RING AND LID



Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Lid Size* and Type	Flanged Ring O.D.		
WITH LOCKING LID				
10	20"	26"	67.6	**$ 528.64**
11	20" Extra Heavy	26"	92.8	**714.33**
12	20" Dbl. Ex. Hvy.	26"	87.7	**763.66**
WITH LOCKLESS LID				
10-LL	20"	26"	70.9	**528.64**
WITH LOCKING ELECTRONIC READ LID				
10-T	20"	26"	67.5	**583.79**
11-T	20" Extra Heavy	26"	92.3	**769.44**
12-T	20" Dbl. Ex. Hvy	26"	94.3	**818.80**
WITH LOCKING DOUBLE ELECTRONIC READ LID				
10-TT	20"	26"	67.2	**592.74**

PIT RING PARTS

Catalog Number	Description	Approx. Wt. Lbs.	List Price
RPR	Ring Only for Pit Ring (26" O.D. flange, 3" depth)	31.0	**$ 273.19**
PRR-2	2" Riser Ring for Pit Ring (raises lid opening 2")	24.5	**257.81**

For top lids only use table on page D-11 titled "Top Lids Only for Monitor, Pit and Rectangular Covers."

D

Note: Locking lids are supplied with a standard pentagon bolt. If a large bolt is desired, add "-LB" to the catalog number. Example: 10-LB is a 10 cover with a large bolt on the locking lid. Large bolt option supplied at no extra charge.

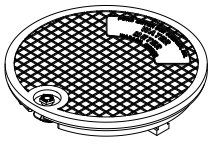
FORD SPECIAL SPIKED COVER

INSET STYLE TOP LID WITH ANCHOR SPIKES ON FRAME, 4" COVER DEPTH



Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Lid Size* and Type	Tile I.D.		
COVER WITH PLASTIC LOCKING LID				
▲ A32CP	11-1/2"	18"	28.0	**$ 206.42**
COVER WITH LOCKING LID				
A32C	11-1/2"	18"	33.0	**217.14**
A32CH	11-1/2" Ex. Hvy.	18"	40.3	**271.91**
COVER WITH LOCKLESS LID				
A32C-LL	11-1/2"	18"	34.0	**217.14**
COVER WITH LOCKING ELECTRONIC READ LID				
A32C-T	11-1/2"	18"	34.3	**222.46**
COVER WITH LOCKING DOUBLE ELECTRONIC READ LID				
A32C-TT	11-1/2"	18"	34.0	**227.78**

LIDS ONLY FOR SPECIAL SPIKED COVER



Catalog Number	Description Lid Size* and Type	Approx. Wt. Lbs.	List Price
LOCKING PLASTIC LID			
CX3LP	11-1/2" Plastic (overlapping)	3.0	**$ 62.52**
CX3LP-BR	11-1/2" Plastic (overlapping) w/ ERT Bracket	3.1	**70.39**
LOCKING LIDS ONLY			
****C3L**	11-1/2"	10.3	**73.25**
C3LH	11-1/2" Ex. Hvy.	17.3	**117.06**
LOCKLESS LID ONLY			
C3L-LL	11-1/2"	12.6	**73.25**
LOCKING ELECTRONIC READ LID ONLY			
C3L-T	11-1/2"	11.3	**73.25**
LOCKING DOUBLE ELECTRONIC READ LID ONLY			
C3L-TT	11-1/2"	11.9	**83.89**

Note: Locking lids are supplied with a standard pentagon bolt. If a large bolt is desired, add "-LB" to the catalog number. Example: An A32C-LB is an A32C cover with a large bolt on the locking lid. Large bolt option supplied at no extra charge.

* Lid size indicates approximate pit access opening; actual lid diameter is approximately 1" larger.

** Available with the word "SEWER" at no extra charge. Add "-SEWER" to the catalog number.

▲ Optional ERT Bracket: Add "-BR" to end of catalog number, add to list price.....**$ 7.86**

FORD ADJUSTABLE COVER

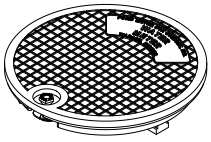
INSET STYLE TOP LID WITH ADJUSTABLE FRAME HEIGHT, 3-1/4"–6-1/2" COVER DEPTH



Catalog Number	Description		Approx. Wt. Lbs.	List Price
	Lid Size*	Tile I.D.		
ADJUSTABLE COVER WITH PLASTIC LOCKING LID				
▲ **32BP**	11-1/2"	18"	44.5	**$ 340.38**
ADJUSTABLE COVER WITH LOCKING LID				
32B	11-1/2"	18"	50.9	**351.11**
ADJUSTABLE COVER WITH LOCKLESS LID				
32B-LL	11-1/2"	18"	46.0	**351.11**
ADJUSTABLE COVER WITH LOCKING ELECTRONIC READ LID				
32B-T	11-1/2"	18"	51.9	**356.44**
ADJUSTABLE COVER WITH LOCKING DOUBLE ELECTRONIC READ LID				
32B-TT	11-1/2"	18"	46.0	**361.76**

D

TOP LIDS ONLY FOR ADJUSTABLE COVER



Catalog Number	Description Lid Size*	Approx. Wt. Lbs.	List Price
LOCKING PLASTIC LID			
CX3LP	11-1/2" Plastic (overlapping)	3.0	**$ 62.52**
CX3LP-BR	11-1/2" Plastic (overlapping) w/ ERT Bracket	3.1	**70.39**
LOCKING LID ONLY			
****C3L**	11-1/2"	10.3	**73.25**
LOCKLESS LID ONLY			
C3L-LL	11-1/2"	12.6	**73.25**
LOCKING ELECTRONIC READ LID ONLY			
C3L-T	11-1/2"	11.3	**78.58**
LOCKING DOUBLE ELECTRONIC READ LID ONLY			
C3L-TT	11-1/2"	11.9	**83.89**

Note: Locking lids are supplied with a standard pentagon bolt. If a large bolt is desired, add "-LB" to the catalog number. Example: 32B-LB is a 32B cover with a large bolt on the locking lid. Large bolt option supplied at no extra charge.

* Lid size indicates approximate pit access opening; actual lid diameter is approximately 1" larger.

** Available with the word "SEWER" at no extra charge. Add "-SEWER" to the catalog number.

▲ Optional ERT Bracket: Add "-BR" to end of catalog number, add to list price.....**$ 7.86**

FORD METER YOKES
SECTION E

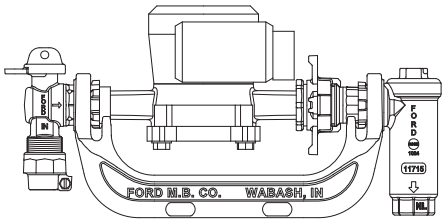
Ford Yoke Numbering System

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" x 3/4"
3 = 3/4"
4 = 1"



Example of a complete Yoke meter setting using a 500 Series Yoke Bar, an Angle Ball Inlet Valve, a standard Expansion Connection and an Angle Cartridge Dual Check Outlet Valve.

E

YOKE PARTS AND 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 in-line maintenance unless otherwise indicated.
▲ Dual check valves are available with enhanced chlorine/ chloramine resistance, insert "CR" into catalog number. Example HHCACR-323-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 water Tracer Wire Terminal (contact factory for pricing)
-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**/IPS PE Pipe
8 = Male Iron Pipe Threads
9 = Yoke Nose

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

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

NO-LEAD

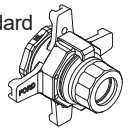
* Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

** Schedule 40 and 80 or DR9 and DR11 IPS PE

EXPANSION CONNECTIONS

(two rubber yoke end gaskets included for each expansion connection)

Standard



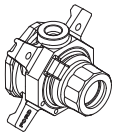
Wrench Type



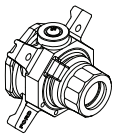
Catalog Number	Description	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
EC-1-NL	Handwheel Type Expansion Connection for 5/8" Meter	0.7	15	**$ 42.33**
EC-1W-NL	Wrench Type Expansion Connection for 5/8" Meter	0.5	30	**42.33**
EC-23-NL	Handwheel Type Expansion Connection for 5/8" x 3/4" and 3/4" Meter	0.9	10	**47.96**
EC-23W-NL	Wrench Type Expansion Connection for 5/8" x 3/4" and 3/4" Meter	0.7	20	**47.96**
EC-4-NL	Handwheel Type Expansion Connection for 1" Meter	1.6	5	**80.57**

LOCKING EXPANSION CONNECTIONS (AVAILABLE ON HANDWHEEL TYPE ONLY)

Locking Expansion Connection without Security Screw



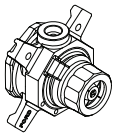
Locking Expansion Connection with Security Screw



Catalog Number	Description	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
ECL-1-NL	Locking Handwheel Type Expansion Connection for 5/8" Meter less Security Screw	0.9	30	**$ 81.36**
ECL-1-SSF-NL	Locking Handwheel Type Expansion Connection for 5/8" Meter with Security Screw	0.9	30	**87.87**
ECL-23-NL	Locking Handwheel Type Expansion Connection for 5/8" x 3/4" and 3/4" Meter less Security Screw	1.1	10	**92.26**
ECL-23-SSF-NL	Locking Handwheel Type Expansion Connection for 5/8" x 3/4" and 3/4" Meter with Security Screw	1.2	10	**98.79**
ECL-4-NL	Locking Handwheel Type Expansion Connection for 1" Meter less Security Screw	1.9	5	**139.71**
ECL-4-SSF-NL	Locking Handwheel Type Expansion Connection for 1" Meter with Security Screw	1.9	-	**146.22**
BOLT-800998-SSF	Security Screw (fits all sizes)	-	-	**7.26**
KEY-800999-SSF	Security Key / Tip Only for Locking Expansion Connection	-	-	**83.34**
NUT-DR-040072-SSF	Magnetic Nut Driver Less Key / Tip	0.3	-	**43.58**

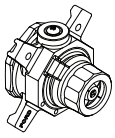
Note: Rubber Yoke end gaskets included.

EXPANSION CONNECTIONS WITH CARTRIDGE CHECK VALVE(S)



Catalog Number	Description	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
EC-1-OR-H2-NL	Handwheel Type Expansion Connection for 5/8" Meter with Dual Cartridge Check Valves	0.7	12	**$ 81.84**
*** EC-23-OR-H2-NL**	Handwheel Type Expansion Connection for 5/8" x 3/4" and 3/4" Meter with Dual Cartridge Check Valves	1.0	10	**87.50**
EC-4-H1-NL	Handwheel Type Expansion Connection for 1" Meter with Single Cartridge Check Valve	1.7	4	**126.07**

LOCKING EXPANSION CONNECTIONS WITH CARTRIDGE CHECK VALVE(S)



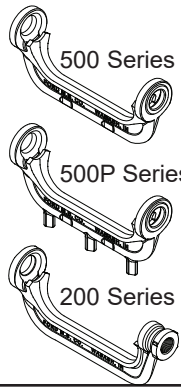
Catalog Number	Description	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
ECL-1-OR-H2-NL	Locking Handwheel Type Expansion Connection for 5/8" Meter less Security Screw, with Dual Cartridge Check Valves	0.9	10	**$ 120.92**
ECL-1-OR-H2-SSF-NL	Locking Handwheel Type Expansion Connection for 5/8" Meter with Security Screw and Dual Cartridge Check Valves	0.9	30	**127.41**
*** ECL-23-OR-H2-NL**	Locking Handwheel Type Expansion Connection for 5/8" x 3/4" and 3/4" Meter less Security Screw, with Dual Cartridge Check Valves	1.3	10	**131.78**
*** ECL-23-OR-H2-SSF-NL**	Locking Handwheel Type Expansion Connection for 5/8" x 3/4" and 3/4" Meter with Security Screw and Dual Cartridge Check Valves	1.3	10	**138.33**
ECL-4-H1-NL	Locking Handwheel Type Expansion Connection for 1" Meter less Security Screw, with Single Cartridge Check Valve	2.0	5	**185.23**
ECL-4-H1-SSF-NL	Locking Handwheel Type Expansion Connection for 1" Meter with Security Screw and Single Cartridge Check Valve	2.0	-	**191.71**
BOLT-800998-SSF	Security Screw (fits all sizes)	-	-	**7.26**
KEY-800999-SSF	Security Screw Driver Bit	-	-	**83.34**
NUT-DR-040072-SSF	Magnetic Nut Driver Only (excludes security screw driver bit)	0.3	-	**43.58**

EXPANSION CONNECTION CHECK VALVE REPAIR KITS

Catalog Number	Description	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
EC-1-OR-H2-RK	5/8" Dual Cartridge Repair Kit	-	-	**$ 32.36**
EC-23-OR-H2-RK	5/8" x 3/4" or 3/4" Dual Cartridge Repair Kit	0.1	-	**32.36**
EC-4-H1-RK	1" Single Cartridge Repair Kit	0.1	-	**26.34**

* Add "-YOKE" to catalog number when using with Y202, Y502, Y502P, Y503 and Y503P yoke bars. Example: EC-23-OR-H2-YOKE-NL

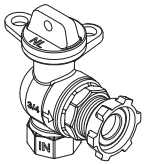
IRON YOKE BARS



Catalog Number	Description	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	500 Series			
Y501	Iron Yoke Bar for 5/8" Meter	3.8	10	**$ 25.01**
Y502	Iron Yoke Bar for 5/8" x 3/4" Meter	4.1	10	**26.15**
Y503	Iron Yoke Bar for 3/4" Meter	4.4	10	**29.80**
Y504	Iron Yoke Bar for 1" Meter	7.3	6	**47.17**
	500 Series with Prongs for Support Pipe			
Y501P	Iron Yoke Bar with 3 Prongs, for 5/8" Meter	3.9	10	**27.12**
Y502P	Iron Yoke Bar with 3 Prongs, for 5/8" x 3/4" Meter	4.5	10	**28.06**
Y503P	Iron Yoke Bar with 3 Prongs, for 3/4" Meter	4.9	10	**32.22**
Y504P	Iron Yoke Bar with 1 Prong, for 1" Meter	7.3	6	**49.11**
	200 Series with Integral Female Iron Pipe Thread Outlet			
Y201	Iron Yoke Bar with 3/4" FIP Outlet, for 5/8" Meter	2.2	12	**33.49**
Y202	Iron Yoke Bar with 3/4" FIP Outlet, for 5/8" x 3/4" Meter	4.2	12	**33.66**

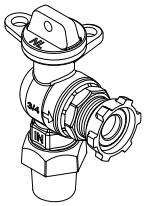
ANGLE BALL VALVES FOR YOKES

FEMALE IRON PIPE THREAD BY METER YOKE NOSE



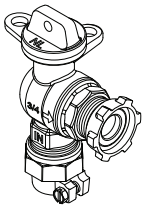
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size Outlet	Inlet Size			
BA91-213W-NL	5/8"	5/8"	3/4"	1.2	12	**$ 90.39**
BA91-223W-NL	5/8"	5/8" x 3/4" and 3/4"	3/4"	1.2	12	**90.39**
BA91-313W-NL	3/4"	5/8"	3/4"	1.7	6	**168.51**
BA91-323W-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.7	6	**168.51**
BA91-344W-NL	3/4"	1"	1"	2.2	5	**181.23**
BA91-444W-NL	1"	1"	1"	2.5	4	**230.12**

FLARE COPPER BY METER YOKE NOSE



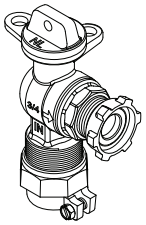
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size Outlet	Inlet Size			
BA92-213W-NL	5/8"	5/8"	3/4"	1.6	8	**$ 106.87**
BA92-223W-NL	5/8"	5/8" x 3/4" and 3/4"	3/4"	1.5	8	**106.87**
BA92-214W-NL	5/8"	5/8"	1"	1.9	-	**136.32**
BA92-224W-NL	5/8"	5/8" x 3/4" and 3/4"	1"	1.9	6	**136.32**
BA92-313W-NL	3/4"	5/8"	3/4"	2.0	5	**179.93**
▲ **BA92-323W-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	2.0	5	**179.93**
BA92-344W-NL	3/4"	1"	1"	2.7	-	**197.08**
▲ **BA92-444W-NL**	1"	1"	1"	3.0	3	**264.47**

PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)* BY METER YOKE NOSE



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size Outlet	Inlet Size			
►♦ **BA94-213W-NL**	5/8"	5/8"	3/4"	1.5	8	**$ 108.55**
►♦ **BA94-223W-NL**	5/8"	5/8" x 3/4" and 3/4"	3/4"	1.5	8	**108.55**
► **BA94-214W-NL**	5/8"	5/8"	1"	1.7	8	**137.46**
► **BA94-224W-NL**	5/8"	5/8" x 3/4" and 3/4"	1"	1.7	-	**137.46**
►♦ **BA94-313W-NL**	3/4"	5/8"	3/4"	1.9	5	**185.04**
►♦ **BA94-314W-NL**	3/4"	5/8"	1"	2.1	-	**204.71**
▲►♦ **BA94-323W-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.9	5	**185.04**
▲►♦ **BA94-324W-NL**	3/4"	5/8" x 3/4" and 3/4"	1"	2.1	4	**204.71**
► **BA94-344W-NL**	3/4"	1"	1"	2.5	-	**224.45**
►♦ **BA94-444W-NL**	1"	1"	1"	2.8	5	**252.44**

PACK JOINT FOR PE* PIPE BY METER YOKE NOSE



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size Outlet	Inlet Size			
► **BA96-213W-NL**	5/8"	5/8"	3/4"	1.6	-	**$ 113.94**
► **BA96-223W-NL**	5/8"	5/8" x 3/4" and 3/4"	3/4"	1.6	-	**113.94**
► **BA96-313W-NL**	3/4"	5/8"	3/4"	2.1	4	**191.46**
► **BA96-323W-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	2.1	4	**191.46**
► **BA96-444W-NL**	1"	1"	1"	3.2	-	**268.65**

OPTION INFORMATION FOR ITEMS ON THIS PAGE

* **Grip Joint** for CTS or PEP is available by inserting "-G" into the catalog number. Example: BA94-313W-G-NL

♦ **Quick Joint** is available by inserting "-Q" into the catalog number. Example: BA94-313W-Q-NL

► Ultra-Tite is available by inserting "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: BA94-313W-U-AWT-NL

For 360º rotation of tee-head insert "R" into the catalog number and add to price. Example: BA92-223WR-NL..... **$ 2.49**

For reclaimed water tee-head insert "RW" into the catalog number. Example: BARW94-324W-NL
Add to price..... **$ 5.42**

Valves with "W" listed above available only with padlock wings except for the BA94-313W-NL and BA94-323W-NL which are available without the "W".

▲ For Secura-Lok™ option, insert "SLB" into the catalog number and add to price..... **53.96**
Example: BA94-323W-SLB-NL

Note: Angle ball valves are not available with drain / test valve option.

Note: Angle ball valves for Yokes are designed for one flow direction - from inlet to outlet (attach to inlet side of meter only).

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

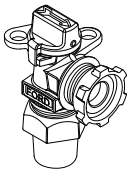
ANGLE KEY VALVES FOR YOKES

FEMALE IRON PIPE THREAD BY METER YOKE NOSE



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size	Service Line Size			
∆ **AV91-313W-NL**	3/4"	5/8"	3/4"	1.2	12	**$ 64.29**
∆ **AV91-323W-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.2	12	**64.29**
AV91-314W-NL	3/4"	5/8"	1"	1.3	12	**71.00**
AV91-324W-NL	3/4"	5/8" x 3/4" and 3/4"	1"	1.3	12	**71.00**
∆ **AV91-444W-NL**	1"	1"	1"	1.9	6	**102.62**
∆■ **AV91-445-NL**	1"	1"	1-1/4"	2.0	5	**107.56**

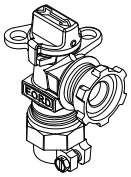
FLARE COPPER BY METER YOKE NOSE



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size	Service Line Size			
∆ **AV92-313W-NL**	3/4"	5/8"	3/4"	1.5	10	**$ 78.31**
∆ **AV92-323W-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.5	10	**78.31**
∆ **AV92-314W-NL**	3/4"	5/8"	1"	1.8	8	**89.04**
∆ **AV92-324W-NL**	3/4"	5/8" x 3/4" and 3/4"	1"	1.8	8	**89.04**
∆ **AV92-444W-NL**	1"	1"	1"	2.0	5	**120.55**
∆ **AV92-444WW-NL**	1" Dbl Locking	1"	1"	2.6	-	**125.61**

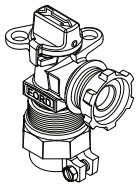
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PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)* BY METER YOKE NOSE



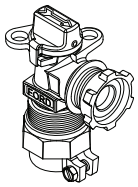
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size	Service Line Size			
►♦∆ **AV94-313W-NL**	3/4"	5/8"	3/4"	1.4	10	**$ 80.60**
►♦∆ **AV94-323W-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.4	10	**80.60**
► ∆ **AV94-314W-NL**	3/4"	5/8"	1"	1.6	8	**94.05**
►♦∆ **AV94-324W-NL**	3/4"	5/8" x 3/4" and 3/4"	1"	1.5	8	**94.05**
►♦∆ **AV94-444W-NL**	1"	1"	1"	2.3	5	**127.35**

PACK JOINT FOR PIPE (PE)* BY METER YOKE NOSE



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size	Service Line Size			
►∆ **AV96-313W-NL**	3/4"	5/8"	3/4"	1.6	8	**$ 94.05**
►∆ **AV96-323W-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.6	8	**94.05**
► **AV96-444W-NL**	1"	1"	1"	2.6	4	**139.71**

PACK JOINT FOR PVC/IPS PE PIPE BY METER YOKE NOSE



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size	Service Line Size			
AV97-313W-NL	3/4"	5/8"	3/4"	1.6	-	**$ 94.05**
AV97-323W-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.6	8	**94.05**

NOTE: Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11 only.

OPTION INFORMATION FOR ANGLE KEY VALVES

***** **Grip Joint** for CTS or PEP is available by inserting "-G" into the catalog number. Example: AV94-323W-G-NL

♦ **Quick Joint** is available by inserting "-Q" into the catalog number. Example: AV94-323W-Q-NL

► Ultra-Tite is available by inserting "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: AV94-444W-U-AWT-NL

∆ Indicates drain / test valve available - change "W" to "D" on the catalog number and add to price. . . . . **$ 19.86**
(This option does not include padlock wings.)

Valves with "W" listed above available only with padlock wings.

■ Indicates padlock wing **NOT** available.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

ANGLE COMPRESSION VALVES FOR YOKES



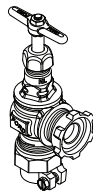
FEMALE IRON PIPE THREAD BY METER YOKE NOSE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size	Service Line Size			
GA91-313-NL	3/4"	5/8"	3/4"	1.4	8	$ 83.86
GA91-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.4	8	83.86
GA91-314-NL	3/4"	5/8"	1"	1.6	-	91.56
GA91-324-NL	3/4"	5/8" x 3/4" and 3/4"	1"	1.5	6	91.56
GA91-444-NL	1"	1"	1"	2.2	6	138.59



FLARE COPPER BY METER YOKE NOSE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size	Service Line Size			
GA92-313-NL	3/4"	5/8"	3/4"	1.7	6	$ 95.47
GA92-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.6	-	95.47
GA92-444-NL	1"	1"	1"	2.9	4	159.89



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)* BY METER YOKE NOSE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size	Service Line Size			
► GA94-313-NL	3/4"	5/8"	3/4"	1.6	8	$ 101.24
► GA94-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.7	-	101.24
► GA94-444-NL	1"	1"	1"	2.6	8	214.36

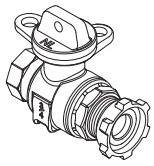
* **Grip Joint** for CTS is available by inserting "-G" into the catalog number. Example: GA94-323-G-NL

► Ultra-Tite is available by inserting "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: GA94-323W-U-AWT-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

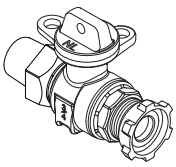
E

STRAIGHT BALL VALVES FOR YOKES



FEMALE IRON PIPE THREAD BY METER YOKE NOSE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size	Service Line Size			
B91-213D-NL	5/8"	5/8"	3/4"	1.2	-	$ 99.23
B91-213W-NL	5/8"	5/8"	3/4"	1.2	12	86.22
B91-213WD-NL	5/8"	5/8"	3/4"	1.4	8	111.36
B91-223D-NL	5/8"	5/8" x 3/4" and 3/4"	3/4"	1.3	-	99.23
B91-223W-NL	5/8"	5/8" x 3/4" and 3/4"	3/4"	1.2	12	86.22
B91-223WD-NL	5/8"	5/8" x 3/4" and 3/4"	3/4"	1.2	-	111.36
B91-313W-NL	3/4"	5/8"	3/4"	1.8	8	145.88
B91-314W-NL	3/4"	5/8"	1"	1.9	-	152.88
B91-323W-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.8	8	145.88
B91-324W-NL	3/4"	5/8" x 3/4" and 3/4"	1"	1.8	8	152.88
B91-344W-NL	3/4"	1"	1"	2.2	5	157.62
B91-444W-NL	1"	1"	1"	2.5	5	193.23



FLARE COPPER BY METER YOKE NOSE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size	Service Line Size			
B92-213D-NL	5/8"	5/8"	3/4"	1.6	-	$ 118.44
B92-213W-NL	5/8"	5/8"	3/4"	1.5	9	98.51
B92-213WD-NL	5/8"	5/8"	3/4"	1.6	-	133.33
B92-223D-NL	5/8"	5/8" x 3/4" and 3/4"	3/4"	1.6	-	118.44
B92-223W-NL	5/8"	5/8" x 3/4" and 3/4"	3/4"	1.5	-	98.51
B92-223WD-NL	5/8"	5/8" x 3/4" and 3/4"	3/4"	1.6	-	133.33
B92-313W-NL	3/4"	5/8"	3/4"	2.1	6	158.39
B92-314W-NL	3/4"	5/8"	1"	2.3	6	171.64
B92-323W-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	2.0	6	158.39
B92-324W-NL	3/4"	5/8" x 3/4" and 3/4"	1"	2.3	6	171.64
B92-344W-NL	3/4"	1"	1"	2.7	6	176.37

OPTION INFORMATION FOR ITEMS ON THIS PAGE:

For 360º rotation of tee-head insert "R" into the catalog number and add to price. Example: B92-223WR-NL . . . . **$ 2.49**

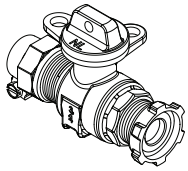
For reclaimed water tee-head insert "RW" into the catalog number. Example: BRW91-324W-NL
Add to price . . . . . **$ 5.42**

Note: Compression valves do not have padlock wings or drain / test valve options.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

STRAIGHT BALL VALVES FOR YOKES (CONTINUED)

PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)* BY METER YOKE NOSE



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size	Service Line Size			
► **B94-213WD-NL**	5/8"	5/8"	3/4"	1.6	-	**$ 135.64**
► **B94-213W-NL**	5/8"	5/8"	3/4"	1.5	-	**104.97**
► **B94-223WD-NL**	5/8"	5/8" x 3/4" and 3/4"	3/4"	1.6	-	**135.64**
▲► **B94-223W-NL**	5/8"	5/8" x 3/4" and 3/4"	3/4"	1.5	9	**104.97**
► **B94-313W-NL**	3/4"	5/8"	3/4"	2.0	6	**163.39**
► **B94-323W-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	2.0	6	**163.39**
► **B94-314W-NL**	3/4"	5/8"	1"	2.1	-	**176.68**
► **B94-324W-NL**	3/4"	5/8" x 3/4" and 3/4"	1"	2.1	6	**176.68**
► **B94-344W-NL**	3/4"	1"	1"	2.5	5	**186.42**

***** **Grip Joint** for CTS is available by inserting "-G" into the catalog number. Example: B94-323W-G-NL

♦ **Quick Joint** is available by inserting "-Q" into the catalog number. Example: B94-323W-Q-NL

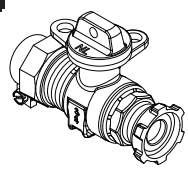
► Ultra-Tite is available by inserting "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: B94-323W-U-AWT-NL

▲For Secura-Lok™ option, insert "SLB" into the catalog number and add to price **53.96**
Example: BA94-223W-SLB-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

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PACK JOINT FOR PE* PIPE BY METER YOKE NOSE

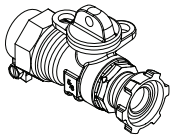


Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size	Service Line Size			
► **B96-213W-NL**	5/8"	5/8"	3/4"	1.6	-	**$ 117.22**
► **B96-223W-NL**	5/8"	5/8" x 3/4" and 3/4"	3/4"	1.6	9	**117.22**
► **B96-313W-NL**	3/4"	5/8"	3/4"	2.2	6	**169.98**
► **B96-323W-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	2.1	6	**169.98**
► **B96-314W-NL**	3/4"	5/8"	1"	2.7	-	**187.83**
► **B96-324W-NL**	3/4"	5/8" x 3/4" and 3/4"	1"	2.6	-	**187.83**
► **B96-344W-NL**	3/4"	1"	1"	3.1	3	**197.50**

***** **Grip Joint** for PEP is available by inserting "-G" into the catalog number. Example: B96-323W-G-NL

► Ultra-Tite is available by inserting "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: B96-323W-U-AWT-NL

PACK JOINT FOR PVC/IPS PE PIPE BY METER YOKE NOSE

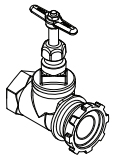


Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size	Service Line Size			
B97-213W-NL	5/8"	5/8"	3/4"	1.6	-	**$ 117.22**
B97-223W-NL	5/8"	5/8" x 3/4" and 3/4"	3/4"	1.6	9	**117.22**

Note: Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11 only.

For reclaimed water tee-head insert "RW" into the catalog number. Example: BRW94-324W-NL
Add to price ..... **$ 5.42**

STRAIGHT COMPRESSION VALVES FOR YOKES



FEMALE IRON PIPE THREAD BY METER YOKE NOSE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size	Service Line Size			
SG91-444-NL	1"	1"	1"	2.4	5	**$ 174.10**



FLARE COPPER BY METER YOKE NOSE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size	Service Line Size			
SG92-313-NL	3/4"	5/8"	3/4"	1.9	-	**$ 108.38**
SG92-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.9	-	**108.38**

OPTION INFORMATION FOR ITEMS ON THIS PAGE:

For 360º rotation of tee-head insert "R" into the catalog number and add to price. Example: B96-323WR-NL..... **$ 2.49**

Valves with "W" listed above available only with padlock wings.

Note: Compression valves do not have padlock wings or drain / test valve options.

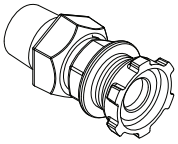
STRAIGHT YOKE OUTLET PIECES

METER YOKE NOSE BY FEMALE IRON PIPE THREAD



Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Meter Size	Service Line Size			
Δ **C91-13-NL**	5/8"	3/4"	0.4	42	**$ 19.74**
C91-14-NL	5/8"	1"	0.7	30	**26.52**
Δ **C91-23-NL**	5/8" x 3/4" and 3/4"	3/4"	0.4	42	**19.74**
C91-24-NL	5/8" x 3/4" and 3/4"	1"	0.6	30	**26.52**
C91-44-NL	1"	1"	0.8	20	**32.67**
C91-45-NL	1"	1-1/4"	1.2	10	**42.70**

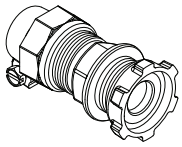
METER YOKE NOSE BY FLARE COPPER



Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Meter Size	Service Line Size			
C92-11-NL	5/8"	1/2"	0.6	-	**$ 33.76**
C92-13-NL	5/8"	3/4"	0.8	20	**32.05**
C92-23-NL	5/8" x 3/4" and 3/4"	3/4"	0.8	20	**32.05**
C92-44-NL	1"	1"	1.5	10	**50.76**

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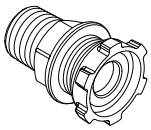
METER YOKE NOSE BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)*



Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Meter Size	Service Line Size			
►♦ **C94-13-NL**	5/8"	3/4"	0.8	20	**$ 36.99**
►♦ **C94-23-NL**	5/8" x 3/4" and 3/4"	3/4"	0.7	20	**36.99**
►♦ **C94-44-NL**	1"	1"	1.2	10	**60.54**

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

METER YOKE NOSE BY MALE IRON PIPE THREAD



Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Meter Size	Service Line Size			
C98-13-NL	5/8"	3/4"	0.5	25	**$ 21.91**
C98-23-NL	5/8" x 3/4" and 3/4"	3/4"	0.5	25	**21.91**
** **C98-44-AWT-NL**	1"	1"	1.0	36	**58.28**

** This item is two pieces assembled watertight.

OPTION INFORMATION FOR ITEMS ON THIS PAGE:

* **Grip Joint** for CTS is available by inserting "-G" into the catalog number. Example: C94-23-G-NL

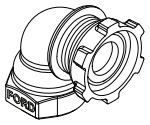
♦ **Quick Joint** is available by inserting "-Q" into the catalog number. Example: C94-23-Q-NL

► Ultra-Tite is available by inserting "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: C94-23-U-AWT-NL

Δ Indicates drain / test valve available - insert "D" into the catalog number and add to price.....**$ 24.89**
Example: C91-23D-NL

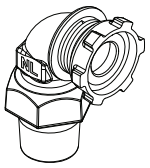
YOKE ELLS

METER YOKE NOSE BY FEMALE IRON PIPE THREAD



Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Meter Size	Service Line Size			
⇑Δ **L91-13-NL**	5/8"	3/4"	0.6	20	**$ 22.67**
⇑Δ **L91-14-NL**	5/8"	1"	0.8	15	**29.33**
⇑Δ **L91-23-NL**	5/8" x 3/4" and 3/4"	3/4"	0.6	20	**22.67**
⇑Δ **L91-24-NL**	5/8" x 3/4" and 3/4"	1"	0.8	15	**29.33**
⇑Δ **L91-44-NL**	1"	1"	1.2	10	**40.02**
L91-45-NL	1"	1-1/4"	1.5	10	**50.08**

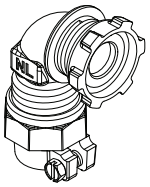
METER YOKE NOSE BY FLARE COPPER



Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Meter Size	Service Line Size			
⇑Δ **L92-13-NL**	5/8"	3/4"	0.9	15	**$ 33.22**
Δ **L92-14-NL**	5/8"	1"	1.2	8	**43.96**
⇑Δ **L92-23-NL**	5/8" x 3/4" and 3/4"	3/4"	0.9	15	**33.22**
Δ **L92-24-NL**	5/8" x 3/4" and 3/4"	1"	1.2	8	**43.96**
Δ **L92-44-NL**	1"	1"	1.6	6	**58.06**

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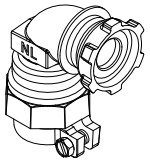
METER YOKE NOSE BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)*



Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Meter Size	Service Line Size			
►♦⇑Δ **L94-13-NL**	5/8"	3/4"	0.8	18	**$ 38.43**
► Δ **L94-14-NL**	5/8"	1"	1.1	10	**53.94**
►♦⇑Δ **L94-23-NL**	5/8" x 3/4" and 3/4"	3/4"	0.8	18	**38.43**
► Δ **L94-24-NL**	5/8" x 3/4" and 3/4"	1"	1.0	10	**53.94**
► ⇑Δ **L94-44-NL**	1"	1"	1.3	8	**68.10**

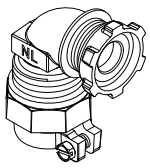
Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

METER YOKE NOSE BY PACK JOINT FOR PE* PIPE



Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Meter Size	Service Line Size			
►Δ **L96-13-NL**	5/8"	3/4"	1.1	10	**$ 53.94**
►Δ **L96-23-NL**	5/8" x 3/4" and 3/4"	3/4"	1.0	10	**53.94**
► **L96-24-NL**	5/8" x 3/4" and 3/4"	1"	1.5	-	**70.09**
► **L96-44-NL**	1"	1"	1.8	5	**85.02**

METER YOKE NOSE BY PACK JOINT FOR PVC/IPS PE PIPE



Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Meter Size	Service Line Size			
Δ **L97-13-NL**	5/8"	3/4"	1.3	10	**$ 53.94**
Δ **L97-23-NL**	5/8" x 3/4" and 3/4"	3/4"	1.1	12	**53.94**

Note: Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11 only.

OPTION INFORMATION FOR ITEMS ON THIS PAGE:

* **Grip Joint** for CTS or PEP is available by inserting "-G" into the catalog number. Example: L94-23-G-NL

♦ **Quick Joint** is available by inserting "-Q" into the catalog number. Example: L94-23-Q-NL

► Ultra-Tite is available by inserting "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: L94-23-U-AWT-NL

Δ Indicates drain / test valve available - insert "D" into the catalog number and add to price. Example: L94-23D-NL. . . . . **$ 24.89**

⇑ Indicates drain / test valve on top (not on side of fitting) - insert "TD" into the catalog number and add to price . . . . . **$ 24.89**
Example: L94-23TD-NL

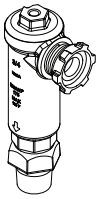
CHECK VALVES FOR YOKES

CARTRIDGE STYLE ANGLE DUAL CHECK VALVES - (top accessible)



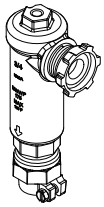
METER YOKE NOSE INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size Inlet	Outlet Size			
⇑ **HHCA91-313-NL**	3/4"	5/8"	3/4"	1.6	8	**$ 159.05**
⇑ **HHCA91-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.6	8	**159.05**
⇑ **HHCA91-324-NL**	3/4"	5/8" x 3/4" and 3/4"	1"	1.8	5	**175.98**
⇑ **HHCA91-344-NL**	3/4"	1"	1"	2.1	4	**175.98**
⇑ **HHCA91-444-NL**	1"	1"	1"	2.9	4	**283.07**



METER YOKE NOSE INLET BY FLARE COPPER OUTLET

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size Inlet	Outlet Size			
⇑ **HHCA92-313-NL**	3/4"	5/8"	3/4"	2.1	5	**$ 191.82**
⇑ **HHCA92-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	2.1	5	**191.82**
⇑ **HHCA92-424-NL**	1"	5/8" x 3/4" and 3/4"	1"	3.4	4	**297.84**
⇑ **HHCA92-444-NL**	1"	1"	1"	3.7	4	**310.29**



METER YOKE NOSE INLET BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)* OUTLET

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size Inlet	Outlet Size			
►♦⇑ **HHCA94-313-NL**	3/4"	5/8"	3/4"	2.0	5	**$ 193.68**
►♦⇑ **HHCA94-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	2.0	5	**193.68**
► ⇑ **HHCA94-324-NL**	3/4"	5/8" x 3/4" and 3/4"	1"	2.1	5	**210.59**
► ⇑ **HHCA94-414-NL**	1"	5/8"	1"	3.0	-	**300.47**
► ⇑ **HHCA94-424-NL**	1"	5/8" x 3/4" and 3/4"	1"	3.2	4	**300.47**
►♦⇑ **HHCA94-444-NL**	1"	1"	1"	3.4	4	**312.92**

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

CARTRIDGE STYLE STRAIGHT DUAL CHECK VALVES - (accessible)



METER YOKE NOSE INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size Inlet	Outlet Size			
⇑ **HHCH91-313-NL**	3/4"	5/8"	3/4"	2.0	8	**$ 171.76**
⇑ **HHCH91-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.9	8	**171.76**

OPTION INFORMATION FOR ITEMS ON THIS PAGE:

* **Grip Joint** for CTS is available by inserting "-G" into the catalog number. Example: HHCA94-323-G-NL

♦ **Quick Joint** is available by inserting "-Q" into the catalog number. Example: HHCA94-323-Q-NL

► Ultra-Tite is available by inserting "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: HHCA94-323-U-AWT-NL

Cartridges are available with enhanced chlorine / chloramine resistance. Add "CR" at the end of the alpha code. Example: HHCACR91-313-NL. Add to price for 3/4" valve size ..... **$ 39.02**
Add to price for 1" valve size ..... **$ 49.47**

⇑ Indicates drain / test valve (drains inlet) on the top of access cap available (not on side of check). Insert "D" into the catalog number and add to price. Example: HHCA94-323D-NL ..... **$ 24.89**

E

CHECK VALVES FOR YOKES (CONTINUED)

ANGLE DUAL CHECK VALVES FOR YOKES - (accessible)

METER YOKE NOSE INLET BY FEMALE IRON PIPE THREAD OUTLET



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size Inlet	Outlet Size			
• Δ **HHA91-313-NL**	3/4"	5/8"	3/4"	1.4	10	**$ 137.19**
• Δ **HHA91-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.4	10	**137.19**
• Δ **HHA91-344-NL**	3/4"	1"	1"	1.9	8	**163.04**

METER YOKE NOSE INLET BY FLARE COPPER OUTLET



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size Inlet	Outlet Size			
• Δ **HHA92-313-NL**	3/4"	5/8"	3/4"	1.8	6	**$ 153.72**
• Δ **HHA92-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.8	6	**153.72**

METER YOKE NOSE INLET BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)* OUTLET

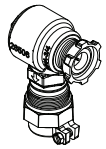


Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size Inlet	Outlet Size			
•► Δ **HHA94-313-NL**	3/4"	5/8"	3/4"	1.7	6	**$ 156.46**
•►♦Δ **HHA94-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.7	6	**156.46**

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

E

METER YOKE NOSE INLET BY PACK JOINT FOR PE* PIPE OUTLET



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size Inlet	Outlet Size			
•► Δ **HHA96-313-NL**	3/4"	5/8"	3/4"	2.0	6	**$ 181.52**
•► Δ **HHA96-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.9	6	**181.52**

ANGLE CHECK VALVES FOR YOKES - (accessible)

METER YOKE NOSE INLET BY FEMALE IRON PIPE THREAD OUTLET



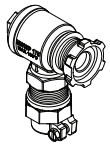
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size Inlet	Outlet Size			
Δ **HA91-313-NL**	3/4"	5/8"	3/4"	1.2	12	**$ 75.59**
Δ **HA91-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.2	12	**75.59**
Δ **HA91-444-NL**	1"	1"	1"	1.6	8	**90.28**

METER YOKE NOSE INLET BY FLARE COPPER OUTLET



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size Inlet	Outlet Size			
Δ **HA92-313-NL**	3/4"	5/8"	3/4"	1.6	8	**$ 92.49**
Δ **HA92-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.6	8	**92.49**

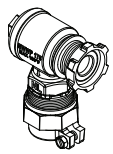
METER YOKE NOSE INLET BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)* OUTLET



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size Inlet	Outlet Size			
► Δ **HA94-313-NL**	3/4"	5/8"	3/4"	1.5	8	**$ 95.22**
►♦Δ **HA94-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.5	8	**95.22**
* **HA94-324-NL**	3/4"	5/8" x 3/4" and 3/4"	1"	1.5	5	**102.75**

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

METER YOKE NOSE INLET BY PACK JOINT FOR PE* PIPE OUTLET



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size Inlet	Outlet Size			
► **HA96-313-NL**	3/4"	5/8"	3/4"	1.6	8	**$ 102.22**
► **HA96-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.9	8	**102.22**

OPTION INFORMATION FOR ITEMS ON THIS PAGE:

* **Grip Joint** for CTS or PEP is available by inserting "-G" into the catalog number. Example: HA94-323-G-NL

♦ **Quick Joint** is available by inserting "-Q" into the catalog number. Example: HA94-323-Q-NL

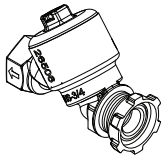
► Ultra-Tite is available by inserting "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: HA94-323-U-AWT-NL

Δ Indicates drain / test valve available - insert "D" into the catalog number and add to price. Example: HA92-323D-NL.....**$ 24.89**

• Dual check valves are available with enhanced chlorine/chloramine resistant components. Add "CR" to the end of the alpha code. Example: HHACR-91-313-NL
Add to price for cascading style. **$19.04**

CHECK VALVES FOR YOKES (CONTINUED)

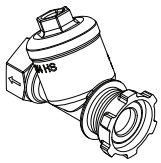
STRAIGHT DUAL CHECK VALVES FOR YOKES - (accessible)



METER YOKE NOSE INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size Inlet	Outlet Size			
• **HHS91-313-NL**	3/4"	5/8"	3/4"	1.6	8	**$ 148.29**
• **HHS91-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.6	8	**148.29**
• **HHS91-344-NL**	3/4"	1"	1"	2.3	5	**165.28**

STRAIGHT CHECK VALVES FOR YOKES - (accessible)



METER YOKE NOSE INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Meter Size Inlet	Outlet Size			
HS91-313-NL	3/4"	5/8"	3/4"	1.2	12	**$ 68.76**
HS91-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.2	12	**68.76**
HS91-444-NL	1"	1"	1"	1.7	8	**83.33**

RUBBER YOKE END GASKETS
(to seal on yoke nose of yoke valves and fittings)



Catalog Number	Description and Usage				Approx. Wt. Lbs.*	Std. Pkg. Qty.	List Price
	Gasket Size	Meter Size	I.D.	O.D.			
GT-112	5/8"	5/8"	11/16"	1-3/32"	4.0	500	**$ 0.49**
GT-118	3/4"	5/8" x 3/4"	13/16"	1-11/32"	6.0	400	**0.65**
GT-123	1"	1"	1-1/16"	1-21/32"	9.0	300	**0.75**

*Weights for gaskets are for standard package quantities.

EXPANSION CONNECTION GASKETS

BEVELED RUBBER GASKETS FOR EXPANSION CONNECTIONS

(to place between expansion connection thimble/nose piece and handwheel)



Catalog Number	Description			Approx. Wt. Lbs.*	Std. Pkg. Qty.	List Price
	Gasket Size	Meter Size	Ex. Con. No.			
GT-32	5/8"	5/8"	EC-1-NL	4.0	1000	**$ 1.37**
GT-33	3/4"	5/8" x 3/4" and 3/4"	EC-23-NL	1.75	250	**1.67**
GT-34	1"	1"	EC-4-NL	1.8	500	**2.18**

*Weights for gaskets are for standard package quantities.

FLAT RUBBER GASKETS FOR EXPANSION CONNECTIONS

(to place into the female meter thread end of expansion connection body)



Catalog Number	Description and Usage					Approx. Wt. Lbs.*	Std. Pkg. Qty.	List Price
	Gasket Size	Meter Size	Ex. Con. No.	I.D.	O.D.			
GT-210	5/8"	5/8"	EC-1-NL	11/16"	31/32"	3.0	500	**$ 1.23**
GT-196	3/4"	5/8" x 3/4" and 3/4"	EC-23-NL	13/16"	1-7/32"	2.5	300	**1.58**
GT-211	1"	1"	EC-4-NL	1-1/8"	1-9/16"	4.5	500	**1.84**

*Weights for gaskets are for standard package quantities.

PETERSBURG COUPLING GASKETS

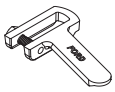


Catalog Number	Gasket Size	List Price
GT-257	3/4"	**$ 2.28**
GT-121	1"	**2.76**

Inside and outside diameters of rubber yoke end and flat composition gaskets are given to avoid error.
All rubber yoke end and flat composition expansion connection gaskets are 1/8" thick.

• Dual check valves are available with enhanced chlorine/chloramine resistant components. Add “CR” to the end of the alpha code.
Example: HHSCR-91-313-NL
Add to price for cascading style **$19.04**

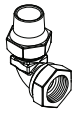
SPECIAL YOKE PARTS











Catalog Number	Description	Approx. Wt. Lbs.	List Price
	Handle for Angle Key Valves		
RHT-3	Lever handle for attachment to existing tee-head of 3/4" Angle Key Valves (may be ordered factory assembled on valves if specified)	0.3	**$ 9.55**
RHT-4	Lever handle for attachment to existing tee-head of 1" Angle Key Valves (may be ordered factory assembled on valves if specified)	0.3	**9.55**
	Drain / Test Valve Screw		
TVS-NL	Drain / Test Valve Screw for 3/4" and 1" Valves and Ells	0.1	**5.91**
	Asheville Couplings		
C9F1-23-NL	3/4" Asheville Coupling for extending service line. Screws onto nose of yoke valve or fitting for 5/8" through 3/4" meter and has 3/4" female iron pipe threads. (includes composition gasket)	0.4	**20.26**
C9F1-44-NL	1" Asheville Coupling. Same as C9F1-23-NL (above) except for valve or fitting for 1" meter and has 1" female iron pipe threads.	0.7	**66.56**
	Petersburg Straight Couplings		
C9F2-23-NL	3/4" Petersburg Straight Coupling for extending service line. Screws onto nose of Yoke valve or fitting for 5/8" through 3/4" meter and has 3/4" flare copper connection. (includes composition gasket)	0.7	**30.38**
C9F2-44-NL	1" Petersburg Straight Coupling. Same as C9F2-23-NL (above) except for valve or fitting for 1" meter and has 1" flare copper connection.	1.0	**79.49**
	Petersburg Ell Couplings		
L9F2-23-NL	3/4" Petersburg Ell Coupling. Same as C9F2-23-NL (above) except 90° Ell.	0.9	**36.06**
L9F2-44-NL	1" Petersburg Ell Coupling. Same as C9F2-44-NL (above) except 90° Ell.	1.6	**88.48**

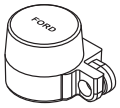
E

LOCK NUTS FOR YOKE VALVES AND FITTINGS



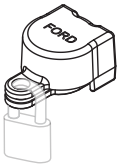
Catalog Number	Description	Approx. Wt. Lbs.	List Price
YLN-1	Lock Nut for 5/8" Meter Size	0.1	**$ 3.62**
YLN-23	Lock Nut for 5/8" x 3/4" and 3/4" Meter Size	0.1	**3.62**
YLN-4	Lock Nut for 1" Meter Size	0.2	**6.36**

LOCK CAP FOR ANGLE YOKE KEY VALVES



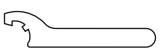
Catalog Number	Description and Usage	Approx. Wt. Lbs.	List Price
AV-LOCKCAP-23	Lock Cap with Pin for Angle Yoke Valves for 5/8", 5/8" x 3/4" and 3/4" Meters	0.7	**$ 47.78**
AV-LOCKCAP-PIN-23	Pin Only for AV-LOCKCAP-23	0.1	**8.79**

LOCK CAP FOR BALL VALVES



Catalog Number	Description and Usage	Approx. Wt. Lbs.	List Price
BV-LOCKCAP-2	Lock Cap and Pin for 5/8" Ball Valve	0.6	**$ 54.90**
BV-LOCKCAP-34	Lock Cap and Pin for 5/8" BH, 3/4" and 1" Ball Valves	0.9	**64.68**
BV-LOCKCAP-567	Lock Cap and Pin for 1-1/4", 1-1/2", and 2" Ball Valves	1.2	**76.73**
BV-LOCKCAP-PIN-2	Pin Only for BV-LOCKCAP-2	0.1	**16.46**
BV-LOCKCAP-PIN-34	Pin Only for BV-LOCKCAP-34	0.1	**19.69**
BV-LOCKCAP-PIN-567	Pin Only for BV-LOCKCAP-567	0.1	**21.54**

YOKE LOCK NUT SPANNER WRENCH



Catalog Number	Description and Usage	Approx. Wt. Lbs.	List Price
YSW	Yoke Lock Nut Spanner Wrench for 5/8" through 1" Lock Nuts	0.3	**$ 9.35**

EXPANSION CONNECTION WRENCHES
(NOT COMPATIBLE WITH ECL LOCKING STYLE EXPANSION CONNECTIONS)



Catalog Number	Description and Usage	Approx. Wt. Lbs.	List Price
YEW-1	Expansion Connection Wrench for 5/8" EC-1-NL and EC-1W-NL	0.8	**$ 20.58**
YEW-3	Expansion Connection Wrench for 5/8" x 3/4" and 3/4" EC-23-NL and EC-23W-NL	0.9	**22.67**
YEW-4	Expansion Connection Wrench for 1" EC-4-NL	1.3	**33.29**

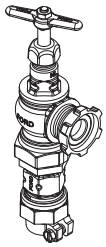
SERVICE INSULATOR ANGLE KEY VALVES FOR YOKES



Catalog Number	Description			Components	List Price
	Valve Size	Meter Size	Service Line		
SI-AV92-313W-AWT-NL	3/4"	5/8"	3/4" Flare	AV91-314W-NL/DB-34/C28-33-NL AWT	**$ 127.09**
SI-AV92-323D-AWT-NL	3/4"	5/8" x 3/4" and 3/4"	3/4" Flare	AV91-324D-NL/DB-34/C28-33-NL AWT	**162.95**
SI-AV92-324D-AWT-NL	3/4"	5/8" x 3/4" and 3/4"	1" Flare	AV91-324D-NL/DB-34/C28-43-NL AWT	**179.67**
SI-AV92-324W-AWT-NL	3/4"	5/8" x 3/4" and 3/4"	1" Flare	AV91-324W-NL/DB-34/C28-43-NL AWT	**149.06**
SI-AV92-444-AWT-NL	1"	1"	1" Flare	AV91-445-NL/DB-45/C28-44-NL AWT	**191.52**
SI-AV92-444D-AWT-NL	1"	1"	1" Flare	AV91-445D-NL/DB-45/C28-44-NL AWT	**203.71**

Note: These products are manufactured from components assembled watertight.

SERVICE INSULATOR ANGLE COMPRESSION VALVES FOR YOKES



Catalog Number	Description			Components	List Price
	Valve Size	Meter Size	Service Line		
►♦ **SI-GA94-313-AWT-NL**	3/4"	5/8"	3/4" Pack Joint (CTS)	GA91-314-NL/DB-34/C84-33-NL AWT	**$ 148.41**
►♦ **SI-GA94-323-AWT-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4" Pack Joint (CTS)	GA91-324-NL/DB-34/C84-33-NL AWT	**148.41**
♦ **SI-GA94-445-AWT-NL**	1"	1"	1-1/4" Pack Joint (CTS)	GA92-444-NL/C08-44-NL/DB-45/C14-55-NL AWT	**322.32**

Note: These products are manufactured from components assembled watertight.

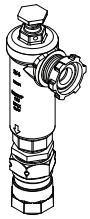
Grip Joint for CTS is available by inserting "-G" into the catalog number. Example: SI-GA94-313-G-AWT-NL

Quick Joint is available by inserting "-Q" into the catalog number. Example: SI-GA94-313-Q-AWT-NL

► Ultra-Tite is available by inserting "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: SI-GA94-313-U-AWT-NL

E

SERVICE INSULATOR ANGLE DUAL CARTRIDGE CHECK VALVES FOR YOKES

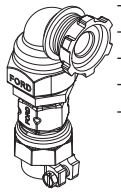


Catalog Number	Description			Components	List Price
	Valve Size	Meter Size	Service Line		
• **SI-HHCA94-313D-AWT-Q-NL**	3/4"	5/8"	3/4" Quick Joint (CTS)	HHCA91-313D-NL/950100/DB-34/C14-43-Q-NL/AWT	**$ 285.20**
• **SI-HHCA94-323D-AWT-Q-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4" Quick Joint (CTS)	HHCA91-323D-NL/950100/DB-34/C14-43-Q-NL/AWT	**285.20**
• **SI-HHCA94-444D-AWT-Q-NL**	1"	1"	1" Quick Joint (CTS)	HHCA91-444D-NL/950120/DB-45/C14-54-Q-NL/AWT	**416.10**

Note: These products are manufactured from components assembled watertight.

SERVICE INSULATOR YOKE ELLS





Catalog Number	Description		Components	List Price
	Meter Size	Service Line		
SI-L92-13-AWT-NL	5/8"	3/4" Flare	L91-14-NL/DB-34/C28-33-NL AWT	**$ 85.50**
SI-L92-23-AWT-NL	5/8" x 3/4" and 3/4"	3/4" Flare	L91-24-NL/DB-34/C28-33-NL AWT	**85.50**
SI-L92-24-AWT-NL	5/8" x 3/4" and 3/4"	1" Flare	L91-24-NL/DB-34/C28-43-NL AWT	**102.28**
►♦ **SI-L94-13-AWT-NL**	5/8"	3/4" Pack Joint (CTS)	L91-14-NL/DB-34/C84-33-NL AWT	**84.99**
►♦ **SI-L94-13D-AWT-NL**	5/8"	3/4" Pack Joint (CTS)	L91-14D-NL/DB-34/C84-33-NL AWT	**109.87**
►♦ **SI-L94-23-AWT-NL**	5/8" x 3/4" and 3/4"	3/4" Pack Joint (CTS)	L91-24-NL/DB-34/C84-33-NL AWT	**89.42**
►♦ **SI-L94-44D-AWT-NL**	1"	1" Pack Joint (CTS)	L91-44D-NL/C18-54-NL/DB-45/C84-44-NL AWT	**124.46**

Note: These products are manufactured from components assembled watertight.

Grip Joint for CTS is available by inserting "-G" into the catalog number. Example: SI-L94-23-G-AWT-NL

♦ **Quick Joint** is available by inserting "-Q" into the catalog number. Example: SI-L94-23-Q-AWT-NL

► Ultra-Tite is available by inserting "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: SI-L94-13-U-AWT-NL

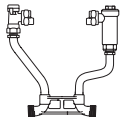
• Dual check valves are available with enhanced chlorine/chloramine resistant components. Add "CR" to the end of the alpha code. Example: SI-HHCACR94-3130-AWT-Q-NL
Add to price for cascading style **$19.04**

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

FORD COPPERSETTERS, LINESETTERS AND RESETTERS
SECTION F

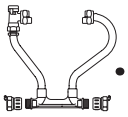
ITEM **PAGE**

Numbering System F-2

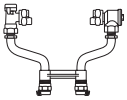


COPPERSETTERS

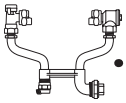
70 Series Coppersetters F-3
5/8", 5/8" x 3/4" and 3/4" F-4-7
1" F-8-9



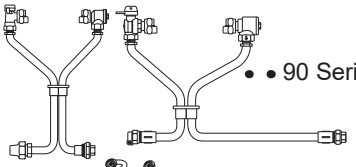
270 Series Coppersetters (require removable Pack Joint assemblies) F-10
5/8", 5/8" x 3/4", 3/4" and 1" F-11-13



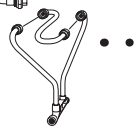
80 Series Coppersetters - Vertical Inlet and Outlet. F-14
5/8", 5/8" x 3/4" and 3/4" F-14-15
1" F-14-15



70-80 Series Coppersetters - Vertical Inlet and Horizontal Outlet F-16
5/8", 5/8" x 3/4" and 3/4" F-16-17
1" F-17



90 Series Coppersetters - with Optional Outlet Tube Extension F-18
5/8", 5/8" x 3/4" and 3/4" F-18-21, 23
1" F-19, 20, 22-23



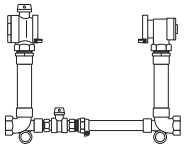
Tandem Coppersetters and Tandem Resetters. F-24

LINESETTERS



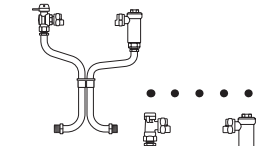
Linesetters
5/8" F-25
5/8" x 3/4" F-26-27
3/4" F-27
1" F-27-28

COPPERSETTERS FOR FLANGED METERS

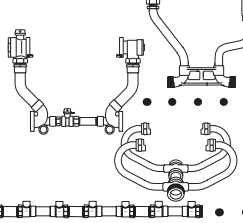


Coppersetters for 1-1/2" and 2" Flanged Meters
Horizontal Inlet and Outlet F-29-32
Vertical Inlet and Horizontal Outlet F-33-34
Vertical Inlet and Vertical Outlet. F-35-36
Options and Components for 1-1/2" and 2" Coppersetters F-37

RESETTERS



30 Series “Flexible” Resetters for Meter Setting with Uneven Service Lines F-38
5/8", 5/8" x 3/4", 3/4" and 1" F-39-40
40 Series Resetters F-41
5/8", 5/8" x 3/4", 3/4" and 1" Meters F-42-43



Resetters for 1-1/2" and 2" Flanged Meters F-44-46
Type A and Type B Tandem Resetters F-47



Metering Manifolds F-48

OPTIONS

Secura-Lok F-49
Adjustable S-Tube F-49

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

F

COPPERSETTERS, LINESETTERS AND RESETTERS
CATALOG SECTION F - NUMBERING SYSTEM

***Type of Meter Inlet Valve & Outlet Valve**

- **V** = Inlet Key Valve & no Outlet Valve
- **VV** = Inlet Key Valve & Outlet Key Valve
- **VVG** = Inlet Key Valve & Compression Outlet Valve
- **VH** = Inlet Key Valve & Outlet Single Check Valve
- ****Δ VHH** = Inlet Key Valve & Outlet Cascading Dual Check Valve
- ****VHC** = Inlet Key Valve & Outlet Cartridge Dual Check Valve
- **♦ VB** = Inlet Ball Valve & no Outlet Valve
- **♦***VBB** = Inlet Ball Valve & Outlet Ball Valve
- **♦ VBG** = Inlet Ball Valve & Outlet Compression Valve
- **♦ VBH** = Inlet Ball Valve & Outlet Single Check Valve
- **♦**Δ VBHH** = Inlet Ball Valve & Outlet Cascading Dual Check Valve
- **♦**VBHC** = Inlet Ball Valve & Outlet Cartridge Dual Check Valve
- **T** = "T" in front of the catalog number indicates a tandem style setter
- * Coppersetters can be ordered less valves by omitting the above letters from the catalog number.
- ** Dual check valves 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

Service Line Connection Size — **Inlet** **Outlet**

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

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 valve
- **♦HBHC** = High Bypass with dual check valve (1-1/2" & 2" only)

-NL = No Lead alloy▲

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

Type of Setter

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

Inlet **Outlet** **Service Line Connection Type**

- **1** = Double Purpose Union Swivel (FIP for 1-1/2" & 2" Coppersetters)
- **2** = Flare Copper
- **4** = Pack Joint for CTS
- **6** = Pack Joint for PE Pipe
- **7** = Pack Joint for PVC/IPS PE 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

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

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.

♦ Available with Secura-Lok™ option by putting **"SLB"** in place of "W"

Note: 1-1/2" and 2" setters with angle ball valve inlets are available with expanding meter flange. Add **"-EXP"** to end of catalog number. Example: VB77-27-44-77-EXP-NL

Note: For Secura-Lok™ options, see page F-49.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

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

70 SERIES COPPERSETTERS

Example of Catalog Number for a 70 Series Coppersetter

FIRST PART OF NUMBER
(METER SIZE AND VALVE TYPE)

SECOND PART OF NUMBER
(COPPERSETTER HEIGHT)*

THIRD PART OF NUMBER
(SERVICE LINE CONNECTION TYPE AND SIZE)

V72-12W-11-33-NL

- V72 — Angle Inverted Key Meter Valve on Inlet; 70 Series Coppersetter; For 5/8" x 3/4" Meter Only
- 12W — Angle Meter Ball and Key Valves are **with** Padlock Wing; Compression Valve is **without** Padlock Wing (bracing eye is standard on all 70 series coppersetters)
- 11 — Double Purpose Union Swivel Inlet Service Line Connection
- 33 — Double Purpose Union Swivel Outlet Service Line Connection
- NL — No-Lead Alloy

3/4" Outlet Service Line Connection
3/4" Inlet Service Line Connection

* Approximate height is from center line of service line to center line of meter nut.

The description for the above catalog number reads: 70 series coppersetter for 5/8" x 3/4" meter with an angle inverted key meter valve on the inlet, 12" high with 3/4" double purpose union swivel inlet by 3/4" double purpose union swivel outlet.

TO ORDER: Select one catalog number component from each of three charts on pages 4-7 to arrive at the complete coppersetter catalog number. Selection order of components:

1. Meter size and valve type ..... page 4 for 5/8", 5/8" x 3/4" and 3/4" meters - page 8 for 1" meters.
2. Coppersetter height..... page 5 for 5/8", 5/8" x 3/4" and 3/4" meters - page 8 for 1" meters.
3. Service line connections..... pages 6 and 7 for 5/8", 5/8" x 3/4" and 3/4" meters - page 9 for 1" meters.

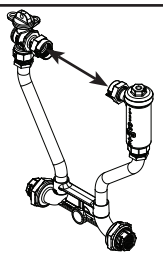
Note: For Secura-Lok™ options, see page F-49.

F

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

71, 72 AND 73 SERIES COPPERSETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS

METER SIZE AND VALVE TYPE - (FIRST PART OF CATALOG NUMBER)



Catalog Number (Meter Size and Valve Type)			Description (Meter Connection)		List Price
5/8"	5/8" x 3/4"	3/4"	Inlet Valve	Outlet Valve	
71	**72**	**73**	None	None	-
V71	**V72**	**V73**	Key	None	**$ 74.49**
VB71	**VB72**	**VB73**	Ball	None	**90.49**
VBB71* **	**VBB72*** **	**VBB73**	Ball	Ball	**180.96**
VV71	**VV72**	**VV73**	Key	Key	**148.90**
VVG71*	**VVG72***	**VVG73***	Key	Compression	**169.67**
VH71	**VH72**	**VH73**	Key	Single Check	**156.61**
VHH71	**VHH72**	**VHH73**	Key	● Cascading Dual Check	**225.33**
VHC71**	**VHC72****	**VHC73****	Key	● Cartridge Dual Check	**240.01**
VBG71*	**VBG72***	**VBG73***	Ball	Compression	**185.61**
VBH71	**VBH72**	**VBH73**	Ball	Single Check	**172.66**
VBHH71	**VBHH72**	**VBHH73**	Ball	● Cascading Dual Check	**241.36**
VBHC71**	**VBHC72****	**VBHC73****	Ball	● Cartridge Dual Check	**255.90**

F

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" prior to the "-NL" at the end of catalog number and contact the factory for pricing.

* Compression valve does not have padlock wing.

** 9" minimum height for 71 and 72 series coppersetters and 12" minimum height for 73 series coppersetters with cartridge dual check valve.

*** 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.

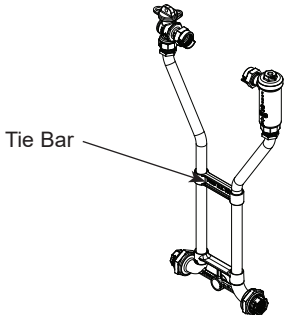
● Dual check valves with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code.
Example: VHCCR72-15W-44-33-NL. Add to price for cartridge style . . . . . **$ 39.02**
Add to price for cascading style . . . . . **$ 19.04**

Note: Combine the appropriate weights from this page and the following page to determine the total coppersetter weight.

Note: For Secura-Lok™ options, see page F-49.

METER VALVE OPTIONS FOR 5/8", 5/8" X 3/4" and 3/4" 70 SERIES COPPERSETTERS

Seal wire hole in inlet valve, add to price . . . . . **$ 1.79**
Seal wire hole in check valve cap, add to price . . . . . **$ 3.59**

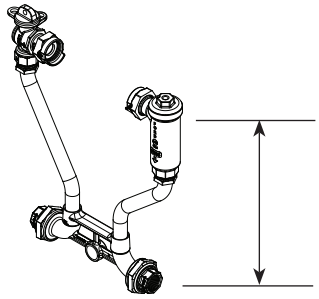


40, 70 AND 270 SERIES TIE BAR REQUIREMENTS				
Coppersetter Height	Meter Size			
	5/8", 5/8" x 3/4", and 3/4"		1"	
	Without *HHCA	With *HHCA	Without *HHCA	With *HHCA
15" and Under	NO	NO	NO	NO
18"	YES	NO	NO	NO
21"	YES	YES	YES	NO
24" thru 39"	YES	YES	YES	YES
42" and higher	YES (2)	YES (2)	YES (2)	YES (2)

* HHCA represents a cartridge style dual check valve, which is designated with an "HC" in the coppersetter catalog number. **Example:** VHC72-15W-44-33-NL

71, 72 AND 73 SERIES COPPERSETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS

APPROXIMATE HEIGHT - (SECOND PART OF CATALOG NUMBER)



71 SERIES FOR 5/8" METER

Catalog Number	Coppersetter Height (In.)	Add to Price
7W	7	**$ 75.87**
9W	9	**78.65**
12W	12	**86.30**
15W	15	**95.84**
18W	18	**128.12**
21W	21	**137.20**
24W	24	**147.13**
27W	27	**158.74**
30W	30	**168.42**
33W	33	**178.24**
36W	36	**187.40**
39W	39	**197.50**
42W	42	**207.61**

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72 SERIES FOR 5/8" x 3/4" METER

Catalog Number	Coppersetter Height (In.)	Add to Price
7W	7	**$ 80.75**
9W	9	**83.42**
12W	12	**90.88**
15W	15	**100.48**
18W	18	**133.23**
21W	21	**142.21**
24W	24	**152.14**
27W	27	**163.91**
30W	30	**173.45**
33W	33	**183.48**
36W	36	**192.40**
39W	39	**202.48**
42W	42	**212.61**

73 SERIES FOR 3/4" METER

Catalog Number	Coppersetter Height (In.)	Add to Price
8W	8	**$ 124.12**
12W	12	**132.06**
15W	15	**142.72**
18W	18	**190.24**
21W	21	**206.02**
24W	24	**217.47**
27W	27	**230.05**
30W	30	**243.60**
33W	33	**255.41**
36W	36	**266.09**
39W	39	**279.99**
42W	42	**293.97**

HEIGHT OPTIONS FOR 5/8", 5/8" X 3/4" AND 3/4" 70 SERIES COPPERSETTERS

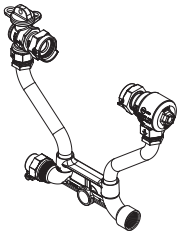
COPPERSETTERS OVER 42" CAN BE ORDERED IN 3" INCREMENTS.
INDICATE THE HEIGHT REQUIRED IN THE SECOND PART OF THE PART NUMBER.
FOR EACH ADDITIONAL 3" IN HEIGHT, ADD TO PRICE:

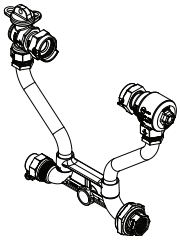
For 5/8", 71 series coppersetters . . . . . **$ 7.89** per 3"
For 5/8" x 3/4", 72 series coppersetters. . . . . **$ 7.89** per 3"
For 3/4", 73 series coppersetters . . . . . **$ 10.88** per 3"

71, 72 AND 73 SERIES COPPERSETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS

INLET AND OUTLET SERVICE LINE CONNECTIONS / BOTTOM BAR (THIRD PART OF CATALOG NUMBER)

PACK JOINT BY PACK JOINT CONNECTIONS

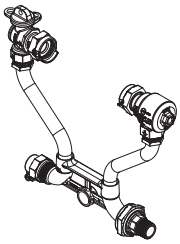


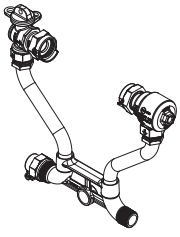


Catalog Number	Description		Add To Price
	Inlet Connection	Outlet Connection	
►♦ **44-33-NL**	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	
►♦• **66-33-NL**	3/4" P.J. for PE Pipe*	3/4" P.J. for PE Pipe*	
• **77-33-NL**	3/4" P.J. for PVC/IPS PE Pipe	3/4" P.J. for PVC/IPS PE Pipe	
►• **46-33-NL**	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for PE Pipe*	**$ 83.20**
►• **64-33-NL**	3/4" P.J. for PE Pipe (PEP)	3/4" P.J. for Copper or Plastic Tubing (CTS)*	
►• **47-33-NL**	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for PVC/IPS PE Pipe	
►• **74-33-NL**	3/4" P.J. for PVC/IPS PE Pipe	3/4" P.J. for Copper or Plastic Tubing (CTS)*	
♦• **44-43-NL**	1" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	**105.44**
• **44-44-Q-NL**	1" Q.J. for Copper or Plastic Tubing (CTS)	1" Q.J. for Copper or Plastic Tubing (CTS)	**130.72**
►• **44-44-NL**	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	
►• **66-44-NL**	1" P.J. for PE Pipe*	1" P.J. for PE Pipe*	
• **77-44-NL**	1" P.J. for PVC/IPS PE Pipe	1" P.J. for PVC/IPS PE Pipe	
►• **46-44-NL**	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for PE Pipe*	
►• **64-44-NL**	1" P.J. for PE Pipe*	1" P.J. for Copper or Plastic Tubing (CTS)*	**118.85**
►• **47-44-NL**	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for PVC/IPS PE Pipe	
►• **74-44-NL**	1" P.J. for PVC/IPS PE Pipe	1" P.J. for Copper or Plastic Tubing (CTS)*	
►• **67-44-NL**	1" P.J. for PE Pipe*	1" P.J. for PVC/IPS PE Pipe	
►• **76-44-NL**	1" P.J. for PVC/IPS PE Pipe	1" P.J. for PE Pipe*	

F

PACK JOINT BY IRON PIPE THREAD AND DOUBLE PURPOSE CONNECTIONS





Catalog Number	Description		Add To Price
	Inlet Connection	Outlet Connection	
♦ **4M-33-NL**	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Integral Male Iron Pipe Thread	**$ 70.62**
►♦ **14-33-NL**	3/4" Double Purpose Union Swivel Δ	3/4" P.J. for Copper or Plastic Tubing (CTS)*	
►♦ **41-33-NL**	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose Union Swivel Δ	
►♦ **48-33-NL**	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Male Iron Pipe Union Swivel	
►♦ **84-33-NL**	3/4" Male Iron Pipe Union Swivel	3/4" P.J. for Copper or Plastic Tubing (CTS)*	
► • **16-33-NL**	3/4" Double Purpose Union Swivel Δ	3/4" P.J. for PE Pipe*	
► • **61-33-NL**	3/4" P.J. for PE Pipe*	3/4" Double Purpose Union Swivel Δ	**87.48**
• **17-33-NL**	3/4" Double Purpose Union Swivel Δ	3/4" P.J. for PVC/IPS PE Pipe	
• **71-33-NL**	3/4" P.J. for PVC/IPS PE Pipe	3/4" Double Purpose Union Swivel Δ	
► • **68-33-NL**	3/4" P.J. for PEP Pipe*	3/4" Male Iron Pipe Union Swivel	
► • **86-33-NL**	3/4" Male Iron Pipe Union Swivel	3/4" P.J. for PEP Pipe*	
• **78-33-NL**	3/4" P.J. for PVC/IPS PE Pipe	3/4" Male Iron Pipe Union Swivel	
• **87-33-NL**	3/4" Male Iron Pipe Union Swivel	3/4" P.J. for PVC/IPS PE Pipe	
♦ • **48-34-NL**	3/4" P.J. for Copper or Plastic Tubing (CTS)*	1" Male Iron Pipe Union Swivel	**105.44**
♦ • **84-43-NL**	1" Male Iron Pipe Union Swivel	3/4" P.J. for Copper or Plastic Tubing (CTS)*	
► • **84-44-NL**	1" Male Iron Pipe Union Swivel	1" P.J. for Copper or Plastic Tubing (CTS)*	
► • **48-44-NL**	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Male Iron Pipe Union Swivel	**118.85**
• **78-44-NL**	1" P.J. for PVC/IPS PE Pipe	1" Male Iron Pipe Union Swivel	
• **87-44-NL**	1" Male Iron Pipe Union Swivel	1" P.J. for PVC/IPS PE Pipe	
• **41-43-NL**	1" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose Union Swivel Δ	
• **14-34-NL**	3/4" Double Purpose Union Swivel Δ	1" P.J. for Copper or Plastic Tubing (CTS)*	
• **61-43-NL**	1" P.J. for PE Pipe*	3/4" Double Purpose Union Swivel Δ	**105.33**
• **16-34-NL**	3/4" Double Purpose Union Swivel Δ	1" P.J. for PE Pipe*	
• **17-34-NL**	3/4" Double Purpose Union Swivel Δ	1" P.J. for PVC/IPS PE Pipe	
• **71-43-NL**	1" P.J. for PVC/IPS PE Pipe	3/4" Double Purpose Union Swivel Δ	
• **4F-44-NL**	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Female Iron Pipe Union Swivel	
• **F4-44-NL**	1" Female Iron Pipe Union Swivel	1" P.J. for Copper or Plastic Tubing (CTS)*	
• **6F-44-NL**	1" P.J. for PE Pipe*	1" Female Iron Pipe Union Swivel	**118.85**
• **F6-44-NL**	1" Female Iron Pipe Union Swivel	1" P.J. for PE Pipe*	
• **7F-44-NL**	1" P.J. for PVC/IPS PE Pipe	1" Female Iron Pipe Union Swivel	
• **F7-44-NL**	1" Female Iron Pipe Union Swivel	1" P.J. for PVC/IPS PE Pipe	

* **Grip Joint** for CTS and PEP (3/4" and 1") is available. Insert "-G" into the catalog number. Example: 14-33-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number.

• These connections are not available on 73 series coppersetters (with 15/16" O.D. copper tubing). These coppersetters will have 13/16" O.D. tubing with 3/4" meter spacing. Order as a 73 series, but add this price to the 72 series equivalent. . . . . **$ 18.93**

Δ **Double purpose union swivels** will accommodate male iron pipe threads or flare copper.

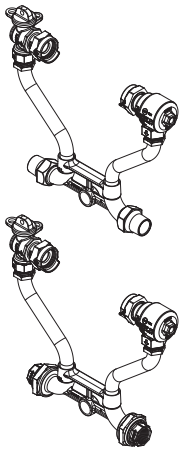
► Ultra-Tite is available. Contact factory for pricing and availability.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

71, 72 AND 73 SERIES COPPERSETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS

INLET AND OUTLET SERVICE LINE CONNECTIONS / BOTTOM BAR (THIRD PART OF CATALOG NUMBER)

DOUBLE PURPOSE, IRON PIPE THREADS AND FLARE COPPER CONNECTIONS

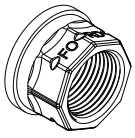


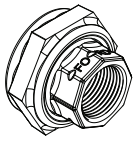
Catalog Number	Description		Add To Price
	Inlet Connection	Outlet Connection	
11-33-NL	3/4" Double Purpose Union Swivel ∆	3/4" Double Purpose Union Swivel ∆	
22-33-NL	3/4" Flare Copper	3/4" Flare Copper	
88-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Male Iron Pipe Union Swivel	
21-33-NL	3/4" Flare Copper	3/4" Double Purpose Union Swivel ∆	**$ 91.81**
81-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Double Purpose Union Swivel ∆	
18-33-NL	3/4" Double Purpose Union Swivel ∆	3/4" Male Iron Pipe Union Swivel	
81-43-NL	1" Male Iron Pipe Union Swivel	3/4" Double Purpose Union Swivel ∆	
• **FF-33-NL**	3/4" Integral Female Iron Pipe	3/4" Integral Female Iron Pipe	**58.06**
MM-33-NL	3/4" Integral Male Iron Pipe	3/4" Integral Male Iron Pipe	
11-44-NL	1" Double Purpose Union Swivel ∆	1" Double Purpose Union Swivel ∆	**128.36**
FF-44-NL	1" Female Iron Pipe Union Swivel	1" Female Iron Pipe Union Swivel	
22-44-NL	1" Flare Copper	1" Flare Copper	**118.85**
88-44-NL	1" Male Iron Pipe Union Swivel	1" Male Iron Pipe Union Swivel	

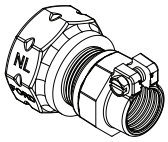
∆ **Double purpose union swivels** will accommodate male iron pipe threads or flare copper.

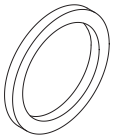
PARTS FOR 5/8", 5/8" X 3/4" AND 3/4" 70 SERIES COPPERSETTERS











Catalog Number	Description	Approx. Wt. Lbs.	List Price
CSSUN4-33-Q-NL	3/4" CTS Quick Joint Swivel and Union Nut Assembly (w/ Quick Joint nut)	1.2	**$ 43.89**
☒ **CSUN-3**	Union Nut only	0.2	**9.06**
CSS8-33-NL	3/4" Male Iron Pipe Thread Swivel Only	0.3	**11.59**
CSS1-33-NL	3/4" Female Iron Pipe Thread Swivel Only	0.2	**11.59**
❍ **CSSS-33-CR-NL**	3/4" Solder Swivel Only	0.2	**11.59**
CSS4-33-NL	3/4" CTS Pack Joint Swivel Only (w/ P.J. nut)	0.6	**32.28**
CSS8-34-NL	1" Male Iron Pipe Thread Swivel Only	0.4	**18.61**
❍ **CSSS-34-CR-NL**	1" Solder Swivel Only	0.2	
CSSUN1-33-NL	3/4" Female Iron Pipe Thread Swivel and Union Nut Assembly	0.4	**20.65**
CSSUN1-34-NL	1" Female Iron Pipe Thread Swivel and Union Nut Assembly	0.9	**39.70**
CSSUN4-33-NL	3/4" CTS Pack Joint Swivel and Union Nut Assembly (w/ P.J. nut)	0.9	**43.89**
CSSUN4-33-Q-NL	3/4" CTS Quick Joint Swivel and Union Nut Assembly	1.2	**43.89**
CSSUN4-34-NL	1" CTS Pack Joint Joint Swivel and Union Nut Assembly	1.3	**69.69**
CSSUN4-34-Q-NL	1" CTS Quick Joint Swivel and Union Nut Assembly (w/ Q.J. nut)	1.4	**69.69**
CSA4-33-Q-NL	3/4" CTS Quick Joint Adapter for 3/4" Double Purpose Nose (w/ Q.J. nut)	0.9	**46.92**
CSA4-33-U-NL	3/4" Female Double Purpose x 3/4" CTS Ultra-Tite	0.7	**46.92**
CSA4-44-U-NL	1" Female Double Purpose x 1" CTS Ultra-Tite	1.1	**78.54**
CSA6-33-U-NL	3/4" Female Double Purpose x 3/4" PEP Ultra-Tite	0.7	**71.39**
CSA6-44-U-NL	1" Female Double Purpose x 1" PEP Ultra-Tite	1.2	**80.00**
CSA7-33-NL	3/4" PVC Pack Joint Adapter for PVC/IPS PE for 3/4" Double Purpose Nose	1.0	**71.39**
HHSCS8-333-NL	3/4" Dual Check Valve with Valve Copperhorn Union Swivel Inlet and 3/4" MIP Outlet (unit attaches directly to setter bottom bar)	1.8	**163.98**
GT-205	3/4" Composition Gasket for Double Purpose Connection	-	**2.54**
GT-206	1" Composition Gasket for Double Purpose Connection	-	**3.41**

Pack Joint nuts and parts are listed in Section J.

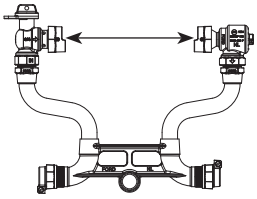
• These connections are not available on 73 series coppersetters (with 15/16" O.D. copper tubing). These coppersetters will have 13/16" O.D. tubing with 3/4" meter spacing. Order as a 73 series, but add this price to the 72 series equivalent . . . . . **$ 18.93**

❍ **Attention:** Special solder and procedures are required for best results. Contact factory or see website for installation instructions.

☒ Item does not come in contact with potable water and is manufactured of UNS/CDA No. C83600 alloy.

74 SERIES COPPERSETTERS FOR 1" METERS

METER SIZE AND VALVE TYPE - (FIRST PART OF CATALOG NUMBER)



Catalog Number (Meter Size and Valve Type) for 1"	Description		List Price
	Inlet Valve	Outlet Valve	
74	None	None	-
V74	Key	None	**$ 114.20**
VB74	Ball	None	**181.62**
VBB74	Ball	Ball	**363.21**
VV74	Key	Key	**228.27**
VVG74*	Key	Compression	**266.34**
VH74	Key	Single Check	**212.88**
VHH74	Key	Cascading Dual Check ▼	**270.97**
VHC74**	Key	Cartridge Dual Check ●	**401.24**
VBG74*	Ball	Compression	**333.76**
VBH74	Ball	Single Check	**280.35**
VBHH74	Ball	Cascading Dual Check ▼	**338.46**
VBHC74**	Ball	Cartridge Dual Check ●	**468.73**

▼ 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: 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" prior to the "-NL" at the end of catalog number and contact the factory for pricing.

● Dual check valves with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code. Example: VHCCR74-15W-44-33-NL.
Add to price for cartridge style . . . . . **$ 49.47**
Add to price for cascading style . . . . . **$ 19.04**

F

* Compression valve does not have padlock wing.

** 12" minimum height for 74 series coppersetters with cartridge dual check valve.

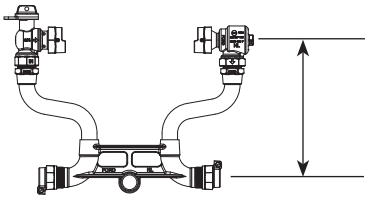
METER VALVE OPTIONS FOR 1" 70 SERIES COPPERSETTERS

Seal wire hole in inlet valve, add to price . . . . . **$ 1.79**
Seal wire hole in check valve cap, add to price. . . . . **$ 3.59**

Note: Combine the appropriate weights from both tables on this page to determine the total coppersetter weight.

Note: For Secura-Lok™ options, see page F-49.

APPROXIMATE HEIGHT - (SECOND PART OF CATALOG NUMBER)



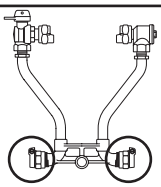
Catalog Number	Coppersetter Height (In.)	Add to Price
10W	10	**$ 169.60**
12W	12	**179.26**
15W	15	**191.03**
18W	18	**260.69**
21W	21	**285.95**
24W	24	**293.64**
27W	27	**324.08**
30W	30	**345.12**
33W	33	**364.48**
36W	36	**383.26**
39W	39	**399.48**
42W	42	**415.64**

HEIGHT OPTIONS FOR 1" 70 SERIES COPPERSETTERS

COPPERSETTERS OVER 42" CAN BE ORDERED IN 3" INCREMENTS.
INDICATE THE HEIGHT REQUIRED IN THE SECOND PART OF THE PART NUMBER.
FOR EACH ADDITIONAL 3" IN HEIGHT, ADD TO PRICE:
For 1" 70 series coppersetters . . . . . **$ 12.68**

74 SERIES COPPERSETTERS FOR 1" METERS
INLET AND OUTLET SERVICE LINE CONNECTIONS / BOTTOM BAR (THIRD PART OF CATALOG NUMBER)

PACK JOINT BY PACK JOINT CONNECTIONS



Catalog Number	Description		Add to Price
	Inlet Connection	Outlet Connection	
►♦ 44-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	$ 161.62
► 66-44-NL	1" P.J. for PE Pipe*	1" P.J. for PE Pipe*	$ 200.63
77-44-NL	1" P.J. for PVC/IPS PE Pipe	1" P.J. for PVC/IPS PE Pipe	
► 46-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for PE Pipe*	
► 64-44-NL	1" P.J. for PE Pipe*	1" P.J. for Copper or Plastic Tubing (CTS)*	
► 47-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for PVC/IPS PE Pipe	
► 74-44-NL	1" P.J. for PVC/IPS PE Pipe	1" P.J. for Copper or Plastic Tubing (CTS)*	
► 67-44-NL	1" P.J. for PE Pipe*	1" P.J. for PVC/IPS PE Pipe	
► 76-44-NL	1" P.J. for PVC/IPS PE Pipe	1" P.J. for PE Pipe*	

PACK JOINT, IRON PIPE THREAD AND DOUBLE PURPOSE UNION SWIVEL CONNECTIONS

Catalog Number	Description		Add to Price
	Inlet Connection	Outlet Connection	
►♦ 14-44-NL	1" Double Purpose Union Swivel Δ	1" P.J. for Copper or Plastic Tubing (CTS)*	$ 187.78
►♦ 41-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Double Purpose Union Swivel Δ	
►♦ 48-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Male Iron Pipe Union Swivel	
►♦ 84-44-NL	1" Male Iron Pipe Union Swivel	1" P.J. for Copper or Plastic Tubing (CTS)*	
► 16-44-NL	1" Double Purpose Union Swivel Δ	1" P.J. for PE Pipe*	
► 61-44-NL	1" P.J. for PE Pipe*	1" Double Purpose Union Swivel Δ	
17-44-NL	1" Female Iron Pipe Union Swivel	1" P.J. for PVC/IPS PE Pipe	
71-44-NL	1" P.J. for PVC/IPS PE Pipe	1" Double Purpose Union Swivel Δ	

IRON PIPE AND FLARE CONNECTIONS

Catalog Number	Description		Add to Price
	Inlet Connection	Outlet Connection	
11-44-NL	1" Double Purpose Union Swivel Δ	1" Double Purpose Union Swivel Δ	$ 165.27
22-44-NL	1" Flare Copper	1" Flare Copper	
88-44-NL	1" Male Iron Pipe Union Swivel	1" Male Iron Pipe Union Swivel	
12-44-NL	1" Double Purpose Union Swivel Δ	1" Flare Copper	
21-44-NL	1" Flare Copper	1" Double Purpose Union Swivel Δ	
18-44-NL	1" Double Purpose Union Swivel Δ	1" Male Iron Pipe Union Swivel	
81-44-NL	1" Male Iron Pipe Union Swivel	1" Double Purpose Union Swivel Δ	
28-44-NL	1" Flare Copper	1" Male Iron Pipe Union Swivel	
82-44-NL	1" Male Iron Pipe Union Swivel	1" Flare Copper	
FF-55-NL	1-1/4" Female Iron Pipe Union Swivel	1-1/4" Female Iron Pipe Union Swivel	179.58
MM-44-NL	1" Integral Male Iron Pipe	1" Integral Male Iron Pipe	118.20
MM-66-NL	1-1/2" Integral Male Iron Pipe	1-1/2" Integral Male Iron Pipe	206.44
88-55-NL	1-1/4" Male Iron Pipe Union Swivel	1-1/4" Male Iron Pipe Union Swivel	179.58

PARTS FOR 1" 74 SERIES COPPERSETTERS

Catalog Number	Description	Approx. Wt. Lbs.	List Price
CSA4-44-U-NL	1" Ultra-Tite Pack Joint (CTS) for 1" Double Purpose	1.1	$ 78.54
CSA6-44-U-NL	1" Ultra-Tite Pack Joint (PEP) for 1" Double Purpose	1.2	80.00
CSA7-44-NL	1" Pack Joint PVC/IPS PE Adapter for Double Purpose Nose	1.8	80.00
CSS8-44-NL	1" Male Iron Pipe Thread Swivel Only	0.5	18.61
CSS1-44-NL	1" Female Iron Pipe Thread Swivel Only	0.3	
❍ CSSS-44-CR-NL	1" Solder Swivel Only	0.3	
CSS8-45-NL	1-1/4" Male Iron Pipe Thread Swivel Only	0.7	33.22
CSSUN1-44-NL	1" Female Iron Pipe Thread Swivel and Union Nut Assembly	0.7	33.12
☒ CSUN-4	Union Nut Only	0.4	14.54

Pack Joint nuts are listed in section J.

❍ **Attention:** Special solder and procedures are required for best results. Contact factory or see website for installation instructions.

*** Grip Joint** for CTS and PEP is available. Insert "-G" into the catalog number.

♦ **Quick Joint** is available. Insert "-Q" into the catalog number.

► Ultra-Tite is available. Contact factory for pricing and availability.

Δ **Double purpose union swivels** will accommodate male iron pipe threads or flare copper.

☒ Item does not come in contact with potable water and is manufactured of UNS/CDA No. C83600 alloy.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

270 SERIES COPPERSETTERS FOR REMOVABLE PACK JOINT ASSEMBLIES

(for installing meters in existing service lines)

Prices listed are for coppersetters, *LESS* the Pack Joint assemblies which are priced separately on page F-13.

Example of Catalog Number for a 270 Series Coppersetter

FIRST PART OF NUMBER
(METER SIZE AND VALVE TYPE)

SECOND PART OF NUMBER
(COPPERSETTER HEIGHT)

Approximate height is from center line of service line to center line of meter nut

V272-12W-NL

Angle Inverted Key Meter Valve on Inlet

270 Series Coppersetter with Detachable Pack Joint Assemblies

For 5/8" x 3/4" Meter Only

Angle Meter Ball and Key Valves are **with** Padlock Wing
Compression Valve is **without** Padlock Wing

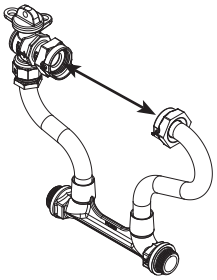
No-Lead Alloy

The description for the above catalog number reads: A 270 series coppersetter for 5/8" x 3/4" meter with an angle inverted key meter inlet valve that is 12" high.

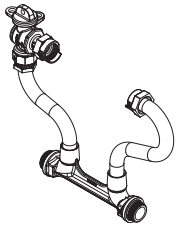
TO ORDER: Select one catalog number component from each of two charts on pages 11 and 12 to arrive at the complete coppersetter catalog number. Additionally, service line connections are removable Pack Joint assemblies and are ordered and priced separately. Selection order of components:

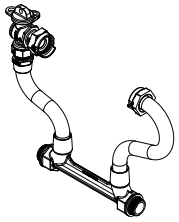
1. Meter size and valve type . . . . . .page 11
2. Coppersetter height . . . . . page 12
3. Service line connections (removable Pack Joint assemblies) . . . . . page 13

METER SIZE AND VALVE TYPE - (FIRST PART OF CATALOG NUMBER)



271, 272 AND 273 SERIES COPPERSETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS





Catalog Number (Meter Size and Valve Type)			Description		List Price
5/8"	5/8"x 3/4"	3/4"	Inlet Valve	Outlet Valve	
271	272	273	None	None	-
V271	V272	V273	Key	None	$ 74.49
VB271	VB272	VB273	Ball	None	90.49
VBB271***	VBB272***	VBB273	Ball	Ball	180.96
VV271	VV272	VV273	Key	Key	148.90
VVG271*	VVG272*	VVG273*	Key	Compression	169.67
VH271	VH272	VH273	Key	Single Check	156.61
VHH271	VHH272	VHH273	Key	● Cascading Dual Check	225.33
VHC271**	VHC272**	VHC273**	Key	● Cartridge Dual Check	240.01
VBG271*	VBG272*	VBG273*	Ball	Compression	185.61
VBH271	VBH272	VBH273	Ball	Single Check	172.66
VBHH271	VBHH272	VBHH273	Ball	● Cascading Dual Check	241.36
VBHC271**	VBHC272**	VBHC273**	Ball	● Cartridge Dual Check	255.90

* Compression valve does not have padlock wing.

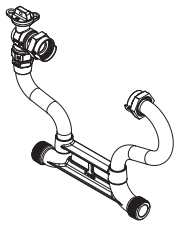
** 9" minimum height for 271 and 272 series coppersetters and 12" minimum height for 273 series coppersetters with cartridge dual check valve.

*** 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.

● Dual check valves with enhanced chlorine / chloramine resistance are available. Add “CR” to end of alpha code.
Example: VHCCR273-15W-NL. Add to price for cartridge style. . . . . **$ 49.47**
Add to price for cascading style . . . . . **$ 19.04**

F

274 SERIES COPPERSETTERS FOR 1" METERS



Catalog Number (Meter Size and Valve Type) for 1"	Description		List Price
	Inlet Valve	Outlet Valve	
274	None	None	-
V274	Key	None	$ 114.20
VB274	Ball	None	181.62
VBB274	Ball	Ball	363.21
VV274	Key	Key	228.27
VVG274*	Key	Compression	266.34
VH274	Key	Single Check	212.88
VHH274	Key	●▼Cascading Dual Check	270.97
VHC274**	Key	●Cartridge Dual Check	401.24
VBH274	Ball	Single Check	280.35
VBG274*	Ball	Compression	333.76
VBHH274	Ball	●▼Cascading Dual Check	338.46
VBHC274**	Ball	● Cartridge Dual Check	468.73

▼ 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: 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” prior to the “-NL” at the end of catalog number and contact the factory for pricing.

● Dual check valves with enhanced chlorine / chloramine resistance are available. Add “CR” to end of alpha code.
Example: VHCCR274-15W-NL. Add to price for cartridge style. . . . . **$ 49.47**
Add to price for cascading style . . . . . **$ 19.04**

* Compression valve does not have a padlock wing.

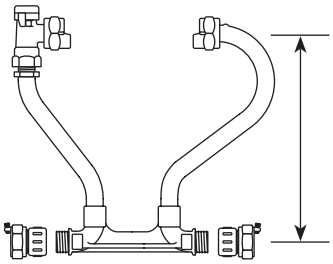
** 12" minimum height for 274 series coppersetters with cartridge dual check valve.

Note: For Secura-Lok™ options, see page F-49.

METER VALVE OPTIONS FOR 5/8", 5/8" X 3/4" and 3/4" 270 SERIES COPPERSETTERS

Seal wire hole in inlet valve, add to price . . . . . **$ 1.79**
Seal wire hole in check valve cap, add to price. . . . . **$ 3.59**

APPROXIMATE HEIGHT - (SECOND PART OF CATALOG NUMBER)



271 SERIES FOR 5/8" METER

Catalog Number	Coppersetter Height (In.)	Add to Price
7W-NL	7	**$ 126.74**
9W-NL	9	**129.41**
12W-NL	12	**137.19**
15W-NL	15	**146.67**
18W-NL	18	**179.00**
21W-NL	21	**188.08**
24W-NL	24	**197.96**

272 SERIES FOR 5/8" X 3/4" METER

F

Catalog Number	Coppersetter Height (In.)	Add to Price
7W-NL	7	**$ 131.53**
9W-NL	9	**134.29**
12W-NL	12	**141.83**
15W-NL	15	**151.33**
18W-NL	18	**184.00**
21W-NL	21	**193.17**
24W-NL	24	**203.03**

273 SERIES FOR 3/4" METER

Catalog Number	Coppersetter Height (In.)	Add To Price
8W-NL	8	**$ 174.40**
12W-NL	12	**182.27**
15W-NL	15	**192.91**
18W-NL	18	**240.42**
21W-NL	21	**256.14**
24W-NL	24	**267.66**

274 SERIES FOR 1" METER

Catalog Number	Coppersetter Height (In.)	Add to Price
10W-NL	10	**$ 278.93**
12W-NL	12	**288.65**
15W-NL	15	**300.46**
18W-NL	18	**370.05**
21W-NL	21	**395.40**
24W-NL	24	**413.95**

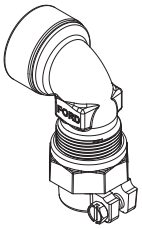
HEIGHT OPTIONS FOR 5/8", 5/8" X 3/4", 3/4" AND 1" 270 SERIES COPPERSETTERS

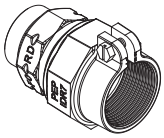
COPPERSETTERS OVER 24" CAN BE ORDERED IN 3" INCREMENTS.
INDICATE THE HEIGHT REQUIRED IN THE SECOND PART OF THE PART NUMBER.
FOR EACH ADDITIONAL 3" IN HEIGHT, ADD TO PRICE:

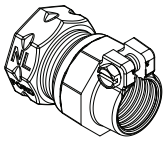
For 5/8" (V271) coppersetters . . . . . **$ 7.89**
For 5/8" x 3/4" (V272) coppersetters . . . . . **$ 7.89**
For 3/4" (V273) coppersetters . . . . . **$ 10.88**
For 1" (V274) coppersetters. . . . . **$ 12.68**

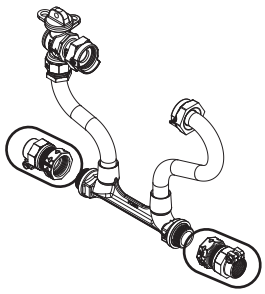
INLET AND OUTLET SERVICE LINE CONNECTIONS

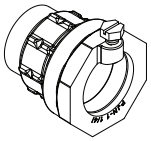
PACK JOINT ASSEMBLIES FOR 270 SERIES COPPERSETTERS

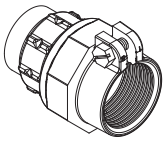

PJAL4-13-NL


PJAL4-13-NL


PJA4-13-NL




PJA5-15-NL


PJA7-15-NL

PACK JOINT ASSEMBLIES FOR 5/8", 5/8" X 3/4" AND 3/4" 270 SERIES COPPERSETTERS (two required per coppersetter)

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Size and Type of Existing Pipe	P.J. Assembly Required			
♦ **PJA4-11-NL**	1/2" Copper or Plastic Tube	1/2" Pack Joint for Copper or Plastic Tubing (CTS)*	0.5	25	**$ 31.63** ea.
♦ **PJA4-13-NL**	3/4" Copper or Plastic Tube	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	0.5	25	**28.72** ea.
PJA4-14-NL	1" Copper or Plastic Tube	1" Pack Joint for Copper or Plastic Tubing (CTS)*	0.8	20	**36.06** ea.
• **PJA4-15-PJA6-14-NL**	1-1/4" Copper or Plastic Tube	1-1/4" Pack Joint for Copper or Plastic Tubing (CTS)*	1.1	10	**65.64** ea.
** **PJA4-16-AWT-NL**	1-1/2" Copper or Plastic Tube	1-1/2" Pack Joint for Copper or Plastic Tubing (CTS)*	2.3	-	**141.71** ea.
PJA5-11-NL	1/2" Iron Pipe	1/2" Pack Joint for Iron Pipe	0.5	30	**26.70** ea.
PJA5-13-NL	3/4" Iron Pipe	3/4" Pack Joint for Iron Pipe	0.5	25	**28.72** ea.
PJA5-14-NL	1" Iron Pipe	1" Pack Joint for Iron Pipe	0.8	10	**49.94** ea.
PJA5-15-NL	1-1/4" Iron Pipe	1-1/4" Pack Joint for Iron Pipe	1.4	-	**105.43** ea.
** **PJA5-16-AWT-NL**	1-1/2" Iron Pipe	1-1/2" Pack Joint for Iron Pipe	2.3	-	**147.43** ea.
PJA6-13-NL	3/4" Polyethylene Pipe	3/4" Pack Joint for P.E. Pipe*	0.6	20	**38.20** ea.
• **PJA4-15-PJA6-14-NL**	1" Polyethylene Pipe	1" Pack Joint for P.E. Pipe*	1.1	10	**65.64** ea.
** **PJA6-15-AWT-NL**	1-1/4" Polyethylene Pipe	1-1/4" Pack Joint for P.E. Pipe	2.0	-	**119.10** ea.
** **PJA6-16-IDR7-AWT-NL**	1-1/2" Polyethylene Pipe	1-1/2" Pack Joint for P.E. Pipe	3.2	-	**164.79** ea.
PJA7-11-NL	1/2" PVC/IPS PE Pipe	1/2" Pack Joint for PVC/IPS PE Pipe	0.6	-	**30.70** ea.
PJA7-13-NL	3/4" PVC/IPS PE Pipe	3/4" Pack Joint for PVC/IPS PE Pipe	0.7	22	**36.72** ea.
PJA7-14-NL	1" PVC/IPS PE Pipe	1" Pack Joint for PVC/IPS PE Pipe	1.2	10	**68.48** ea.
PJA7-15-NL	1-1/4" PVC/IPS PE Pipe	1-1/4" Pack Joint for PVC/IPS PE Pipe	1.7	8	**124.21** ea.
** **PJA7-16-AWT-NL**	1-1/2" PVC/IPS PE Pipe	1-1/2" Pack Joint for PVC/IPS PE Pipe	2.3	-	**174.04** ea.

** **Note:** These items are not one piece but are two adapter pieces assembled water tight.

* **Grip Joint** for CTS (3/4"-2") and PEP (3/4" and 1") is available. Insert "-G" into the catalog number. Example: PJA4-13-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: PJA4-13-Q-NL

• This Pack Joint assembly is for use on 1-1/4" copper or plastic tubing (CTS) or 1" PE Pipe.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

PACK JOINT ELL ASSEMBLIES 5/8", 5/8" X 3/4" AND 3/4" 270 SERIES COPPERSETTERS (two required per coppersetter)

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Size and Type of Existing Pipe	P.J. Assembly Required			
PJAL4-13-NL	3/4" Copper or Plastic Tube	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	0.9	-	**$ 66.92** ea.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

PACK JOINT ASSEMBLIES FOR 1" 274 SERIES COPPERSETTERS (two required per coppersetter)

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Size and Type of Existing Pipe	P.J. Assembly Required			
♦ **PJA4-44-C14-54-NL**	1" Copper or Plastic Tube	1" Pack Joint for Copper or Plastic Tubing (CTS)*	0.9	12	**$ 54.87** ea.
♦ **PJA4-45-C14-55-NL**	1-1/4" Copper or Plastic Tube	1-1/4" Pack Joint for Copper or Plastic Tubing (CTS)*	1.3	10	**93.47** ea.
PJA4-46-C14-56-NL	1-1/2" Copper or Plastic Tube	1-1/2" Pack Joint for Copper or Plastic Tubing (CTS)*	1.8	10	**116.90** ea.
PJA5-44-C15-54-NL	1" Iron Pipe	1" Pack Joint for Iron Pipe	1.1	10	**62.76** ea.
PJA5-45-C15-55-NL	1 1/4" Iron Pipe	1-1/4" Pack Joint for Iron Pipe	1.4	8	**77.08** ea.
PJA5-46-C15-56-NL	1 1/2" Iron Pipe	1-1/2" Pack Joint for Iron Pipe	1.8	6	**109.33** ea.
PJA6-44-C16-54-NL	1" Polyethylene Pipe	1" Pack Joint for P.E. Pipe *	1.3	10	**73.12** ea.
PJA6-45-C16-55-NL	1-1/4" Polyethylene Pipe	1-1/4" Pack Joint for P.E.Pipe	1.5	8	**85.67** ea.
PJA6-46-C16-56-IDR7-NL	1-1/2" Polyethylene Pipe	1-1/2" Pack Joint for P.E. Pipe	2.8	-	**126.66** ea.
PJA7-44-C17-54-NL	1" PVC Pipe	1" Pack Joint for PVC Pipe	1.3	10	**62.76** ea.
PJA7-45-C17-55-NL	1-1/4" PVC Pipe	1-1/4" Pack Joint for PVC Pipe	1.7	8	**88.81** ea.
PJA7-46-C17-56-NL	1-1/2" PVC Pipe	1-1/2" Pack Joint for PVC Pipe	2.3	4	**135.86** ea.

* **Grip Joint** for CTS (3/4"-2") and PEP (3/4" and 1") is available. Insert "-G" into the catalog number. Example: PJA4-45-C14-55-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: PJA4-44-C14-54-Q-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

80 SERIES COPPERSETTERS *VERTICAL INLET AND OUTLET*

Example of Catalog Number for an 80 Series Coppersetter

FIRST PART OF NUMBER
(METER SIZE AND VALVE TYPE)

SECOND PART OF NUMBER
(SERVICE LINE CONNECTION TYPE AND SIZE)

V82W-44-33-NL

- Angle Inverted Key Meter Valve on Inlet
- 80 Series Coppersetter
- For 5/8" x 3/4" Meter Only
- Angle Meter Ball and Key Valves are **with** Padlock Wing Compression Valve is **without** Padlock Wing
- No-Lead Alloy
- 3/4" Outlet Service Line Connection
- 3/4" Inlet Service Line Connection
- Pack Joint for CTS Outlet Service Line Connection
- Pack Joint for CTS Inlet Service Line Connection

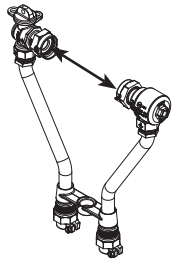
Approximate Height for 5/8" and 5/8" x 3/4" meter is 7", for 3/4" meter is 9" and for 1" meter is 10".
The description for the above catalog number reads: 80 series coppersetter for 5/8" x 3/4" meter with an angle inverted key meter valve on the inlet, CTS Pack Joint service line connections on the inlet and outlet.

TO ORDER: Select one catalog number component from each of the two charts on pages 14 and 15 to arrive at the complete coppersetter catalog number. Selection order of components:

1. Meter size and valve type. . . . . page 14
2. Service line connections. . . . . page 15

METER SIZE AND VALVE TYPE - (FIRST PART OF CATALOG NUMBER)

81, 82 AND 83 SERIES COPPERSETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS

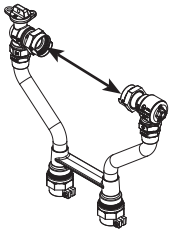


Brace eye available on select 81 & 82 series setters. See page F-15 for availability

Catalog Number (Meter Size and Type)			Description		List Price
5/8"	5/8"x 3/4"	3/4"	Inlet Valve	Outlet Valve	
V81W	V82W	V83W	Key	None	$ 74.49
VB81W	VB82W	VB83W	Ball	None	90.49
VBB81W***	VBB82W***	VBB83W	Ball	Ball	180.96
VVG81W*	VVG82W*	VVG83W*	Key	Compression	169.67
VV81W	VV82W	VV83W	Key	Key	148.90
VH81W	VH82W	VH83W	Key	Single Check	156.61
VHH81W	VHH82W	VHH83W	Key	● Cascading Dual Check	225.33
VHC81W**	VHC82W**	VHC83W**	Key	● Cartridge Dual Check	240.01
VBG81W*	VBG82W*	VBG83W*	Ball	Compression	185.61
VBH81W	VBH82W	VBH83W	Ball	Single Check	172.66
VBHH81W	VBHH82W	VBHH83W	Ball	● Cascading Dual Check	241.36
VBHC81W**	VBHC82W**	VBHC83W**	Ball	● Cartridge Dual Check	255.90

● Dual check valves with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code.
Example: VBHCCR83W-15W-44-33-NL. Add to price for cartridge style . . . . . $ 39.02
Add to price for cascading style . . . . . $ 19.04

84 SERIES COPPERSETTERS FOR 1" METERS



Catalog Number (Meter Size and Valve Type) for 1"	Description		List Price
	Inlet Valve	Outlet Valve	
V84W	Key	None	$ 114.20
VB84W	Ball	None	181.62
VBB84W	Ball	Ball	363.21
VVG84W*	Key	Compression	266.34
VV84W	Key	Key	228.27
VH84W	Key	Single Check	212.88
VHH84W	Key	●▼Cascading Dual Check	270.97
VHC84W**	Key	● Cartridge Dual Check	401.24
VBG84W*	Ball	Compression	333.76
VBH84W	Ball	Single Check	280.35
VBHH84W	Ball	●▼Cascading Dual Check	338.46
VBHC84W**	Ball	● Cartridge Dual Check	468.73

* Compression valve does not have padlock wing

** 9" minimum height for 81 and 82 series coppersetters and 12" minimum height for 83 series coppersetters with cartridge dual check valve. 12" minimum height for 84 series coppersetters with cartridge dual check valve.

*** 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.

● Dual check valves with enhanced chlorine/chloramine resistance are available. Add "CR" to end of alpha code.
Example: VBHCCR84W-15W-44-33-NL. Add to price for cartridge style. . . . . $ 49.47
Add to price for cascading style . . . . . $ 19.04

▼ 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: 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" prior to the "-NL" at the end of catalog number and contact the factory for pricing.

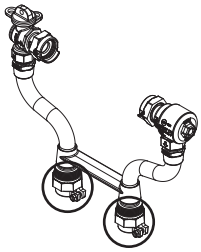
Note: For Secura-Lok™ options, see page F-49.

METER VALVE OPTIONS FOR 5/8", 5/8" X 3/4", 3/4" AND 1" 80 SERIES COPPERSETTERS

Seal wire hole in inlet valve, add to price . . . . . $ 1.79
Seal wire hole in check valve cap, add to price . . . . . $ 3.59

SERVICE LINE CONNECTION TYPE AND SIZE (SECOND PART OF CATALOG NUMBER)

FOR 81 AND 82 SERIES COPPERSETTERS



	Catalog Number	Description		Add To Price
		Inlet Connection	Outlet Connection	
	11-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Double Purpose Union Swivel Δ	**$ 152.88**
	12-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Flare Copper	**141.53**
	21-33-NL	3/4" Flare Copper	3/4" Double Purpose Union Swivel Δ	**141.53**
►	**14-33-NL**	3/4" Double Purpose Union Swivel Δ	3/4" P.J. for Copper or Plastic Tubing (CTS)*	**142.59**
►	**41-33-NL**	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose Union Swivel	**142.59**
‡	**22-33-NL**	3/4" Flare Copper	3/4" Flare Copper	**130.41**
►♦‡	**44-33-NL**	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	**132.31**
►•	**46-33-NL**	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for PE Pipe*	**143.77**
►•	**64-33-NL**	3/4" P.J. for PE Pipe*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	**143.77**
►	**66-33-NL**	3/4" P.J. for PE Pipe*	3/4" P.J. for PE Pipe*	**146.90**
•	**77-33-NL**	3/4" P.J. for PVC/IPS PE Pipe	3/4" P.J. PVC/IPS PE Pipe	**146.90**
	18-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Male Iron Pipe Union Swivel	**157.73**
	81-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Double Purpose Union Swivel Δ	**157.73**
	88-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Male Iron Pipe Union Swivel Δ	**162.55**
‡	**FF-33-NL**	3/4" Integral Female Iron Pipe	3/4" Integral Female Iron Pipe	**130.41**
	44-34-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	**143.77**
	44-43-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	**143.77**
	11-44-NL	1" Double Purpose Union Swivel Δ	1" Double Purpose Union Swivel Δ	**169.11**
	22-44-NL	1" Flare Copper	1" Flare Copper	**154.57**
►	**44-44-NL**	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	**164.33**

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

F

FOR 83 SERIES COPPERSETTERS

	Catalog Number	Description		Add To Price
		Inlet Connection	Outlet Connection	
	11-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Double Purpose Union Swivel Δ	**$ 189.94**
	22-33-NL	3/4" Flare Copper	3/4" Flare Copper	**167.83**
	88-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Male Iron Pipe Union Swivel	**194.34**
	18-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Male Iron Pipe Union Swivel	**194.98**
	81-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Double Purpose Union Swivel Δ	**194.98**
►♦	**44-33-NL**	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	**198.97**
►	**66-33-NL**	3/4" P.J. for PE Pipe*	3/4" P.J. for PE Pipe*	**204.81**
	11-44-NL	1" Double Purpose Union Swivel Δ	1" Double Purpose Union Swivel Δ	**217.64**
	22-44-NL	1" Flare Copper	1" Flare Copper	**193.42**
►	**44-44-NL**	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	**203.13**

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

FOR 84 SERIES COPPERSETTERS

	Catalog Number	Description		Add To Price
		Inlet Connection	Outlet Connection	
	11-44-NL	1" Double Purpose Union Swivel Δ	1" Double Purpose Union Swivel Δ	**$ 278.61**
	12-44-NL	1" Flare Copper	1" Double Purpose Union Swivel Δ	**271.84**
	21-44-NL	1" Flare Copper	1" Double Purpose Union Swivel Δ	**271.84**
	22-44-NL	1" Flare Copper	1" Flare Copper	**258.90**
►♦	**44-44-NL**	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	**248.25**
►	**66-44-NL**	1" P.J. for PE Pipe*	1" P.J. for PE Pipe*	**287.85**
	11-55-NL	1-1/4" Female Iron Pipe Union Swivel Δ	1-1/4" Female Iron Pipe Union Swivel Δ	**353.21**
	22-55-NL	1-1/4" Flare Copper	1-1/4" Flare Copper	**287.04**
►	**44-55-NL**	1-1/4" P.J. for Copper or Plastic Tubing (CTS)*	1-1/4" P.J. for Copper or Plastic Tubing (CTS)*	**434.87**

*** Grip Joint** for CTS (3/4"-2") and PEP (3/4" and 1") is available. Insert "-G" into the catalog number.

♦ **Quick Joint** is available. Insert "-Q" into the catalog number.

• These connections are not available on 83 series coppersetters (with 15/16" O.D. copper tubing). These coppersetters will have 13/16" O.D. tubing with 3/4" meter spacing. Order as a 83 series, but add this price to the 82 series equivalent . . . . . **$ 18.93**

Δ **Double purpose union swivels** will accommodate male iron pipe threads or flare copper.

‡ 81 and 82 series coppersetters with the indicated service line connections have a (vertical) brace eye. (Not available with Quick Joint or Ultra-Tite.)

► Ultra-Tite is available. Contact factory for pricing and availability.

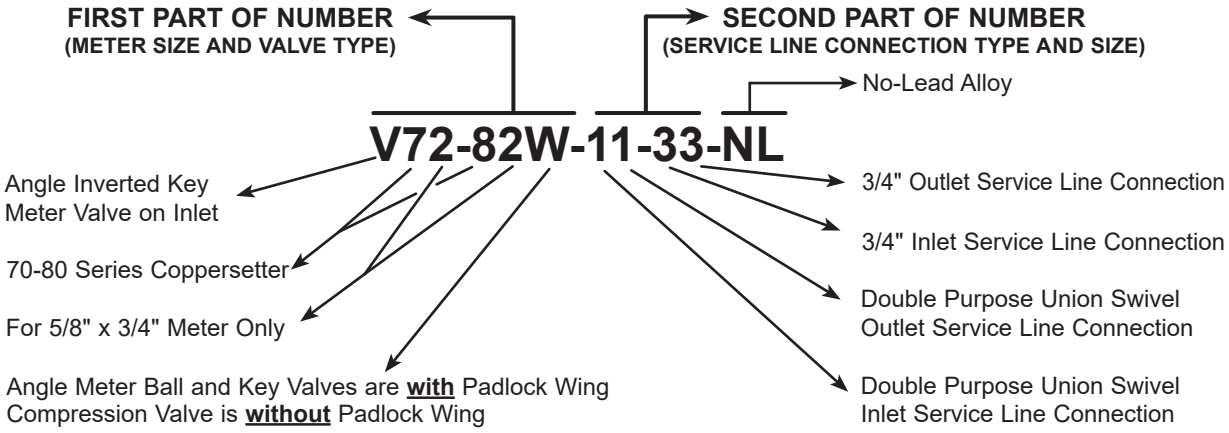
Note: Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11 only.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

70-80 SERIES ANGLE COPPERSETTERS

VERTICAL INLET AND HORIZONTAL OUTLET

Example of Catalog Number for a 70-80 Series Coppersetter



Approximate height for 5/8", 5/8" x 3/4" and 3/4" meter is 7" and for 1" meter is 10".

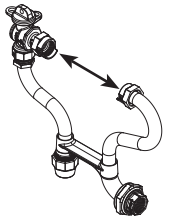
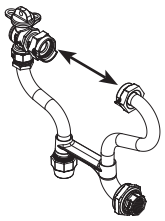
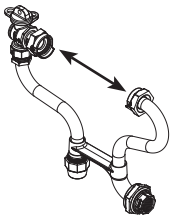
The description for the above catalog number reads: 70-80 series coppersetter for 5/8" x 3/4" meter with an angle inverted key meter valve on the inlet, 7" high with 3/4" double purpose union swivel inlet by 3/4" double purpose union swivel outlet.

TO ORDER: Select one catalog number component from each of <u>two</u> charts on pages 16 and 17 to complete the coppersetter catalog number. Selection order of components:

1. Meter size and valve type. . . . . pages 16 and 17
2. Service line connections. . . . . page 17

F

METER SIZE AND VALVE TYPE - (FIRST PART OF CATALOG NUMBER)

71-81, 72-82 AND 73-83 SERIES COPPERSETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS

Catalog Number (Meter Size and Valve Type)			Description		List Price
5/8"	5/8" x 3/4"	3/4"	Inlet Valve	Outlet Valve	
V71-81W	V72-82W	V73-83W	Key	None	$ 74.49
VB71-81W	VB72-82W	VB73-83W	Ball	None	90.49
VBB71-81W***	VBB71-82W***	VBB73-83W	Ball	Ball	180.96
VVG71-81W*	VVG72-82W*	VVG73-83W*	Key	Compression	169.67
VV71-81W	VV72-82W	VV73-83W	Key	Key	148.90
VH71-81W	VH72-82W	VH73-83W	Key	Single Check	156.61
VHH71-81W	VHH72-82W	VHH73-83W	Key	● Cascading Dual Check	225.33
VHC71-81W**	VHC72-82W**	VHC73-83W**	Key	● Cartridge Dual Check	240.01
VBG71-81W*	VBG72-82W*	VBG73-83W*	Ball	Compression	185.61
VBH71-81W	VBH72-82W	VBH73-83W	Ball	Single Check	172.66
VBHH71-81W	VBHH72-82W	VBHH73-83W	Ball	● Cascading Dual Check	241.36
VBHC71-81W**	VBHC72-82W**	VBHC73-83W**	Ball	● Cartridge Dual Check	255.90

Note: 73-83 series coppersetters are available only with 13/16" O.D. copper tubing.

* Compression valve does not have padlock wing.

** 9" minimum height for 71-81, 72-82 series coppersetters and 12" minimum height for 73-83 series coppersetters with cartridge dual check valve.

*** 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.

● Dual check valves with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code.
Example: VBHC<u>CR</u>73-83W-44-33-NL. Add to price for cartridge style . . . . . **$ 39.02**
Add to price for cascading style . . . . . **$ 19.04**

Note: For Secura-Lok™ options, see page F-49.

METER VALVE OPTIONS FOR 70-80 SERIES COPPERSETTERS

Seal wire hole in inlet valve, add to price . . . . . **$ 1.79**
Seal wire hole in check valve cap, add to price. . . . . **$ 3.59**

74-84 SERIES COPPERSETTERS FOR 1" METERS

Catalog Number (Meter Size and Valve Type) for 1"	Description		List Price
	Inlet Valve	Outlet Valve	
V74-84W	Key	None	**$ 114.20**
VB74-84W	Ball	None	**181.62**
VBB74-84W	Ball	Ball	**363.21**
VVG74-84W*	Key	Compression	**266.34**
VV74-84W	Key	Key	**228.27**
VH74-84W	Key	Single Check	**212.88**
VHH74-84W	Key	●▼Cascading Dual Check	**270.97**
VHC74-84W**	Key	● Cartridge Dual Check	**401.24**
VBG74-84W*	Ball	Compression	**333.76**
VBH74-84W	Ball	Single Check	**280.35**
VBHH74-84W	Ball	●▼Cascading Dual Check	**338.46**
VBHC74-84W**	Ball	● Cartridge Dual Check	**468.73**

▼ 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.

● Dual check valves with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code. Example: VBHCCR74-84W-44-33-NL. Add to price for cartridge style . . . . . **$ 49.47**
Add to price for cascading style . . . . . **$ 19.04**

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" prior to the "-NL" at the end of catalog number and contact the factory for pricing.

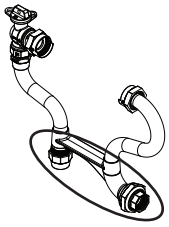
* Compression valve does not have padlock wing.

** 12" minimum height for 74-84 series coppersetters with cartridge dual check valve.

Note: For Secura-Lok™ options, see page F-49.

SERVICE LINE CONNECTION TYPE AND SIZE (SECOND PART OF CATALOG NUMBER)

FOR 71-81, 72-82 AND 73-83 SERIES COPPERSETTERS



Catalog Number (Second Part)	Description		Add To Price
	Inlet Connection	Outlet Connection	
11-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Double Purpose Union Swivel Δ	**$ 164.49**
88-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Male Iron Pipe Union Swivel	
18-33-NL	3/4" Double Purpose. Union Swivel Δ	3/4" Male Iron Pipe Union Swivel	
81-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Double Purpose Union Swivel Δ	
12-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Flare Copper	**154.31**
21-33-NL	3/4" Flare Copper	3/4" Double Purpose Union Swivel Δ	**154.31**
12-44-NL	1" Double Purpose Union Swivel Δ	1" Flare Copper	**171.63**
21-44-NL	1" Flare Copper	1" Double Purpose Union Swivel Δ	**171.63**
► **44-33-NL**	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	**149.56**
► **14-33-NL**	3/4" Double Purpose Union Swivel Δ	3/4" P.J. for Copper or Plastic Tubing (CTS)*	**157.27**
►♦ **41-33-NL**	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose Union Swivel Δ	**157.27**
► **41-43-NL**	1" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose Union Swivel Δ	**166.23**
14-44-NL	1" Double Purpose Union Swivel Δ	1" P.J. for Copper or Plastic Tubing (CTS)*	**175.15**
►• **41-44-NL**	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Double Purpose Union Swivel Δ	**175.15**
• **66-44-NL**	1" P.J. for PE Pipe*	1" P.J. for PE Pipe*	**191.55**

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

FOR 74-84 SERIES COPPERSETTERS

Catalog Number (Second Part)	Description		Add To Price
	Inlet Connection	Outlet Connection	
11-44-NL	1" Double Purpose Union Swivel Δ	1" Double Purpose Union Swivel Δ	**$ 299.67**
18-44-NL	1" Double Purpose Union Swivel Δ	1" Male Iron Pipe Union Swivel	
81-44-NL	1" Male Iron Pipe Union Swivel	1" Double Purpose Union Swivel Δ	
88-44-NL	1" Male Iron Pipe Union Swivel	1" Male Iron Pipe Union Swivel	
12-44-NL	1" Double Purpose Union Swivel Δ	1" Flare Copper	**289.41**
21-44-NL	1" Flare Copper	1" Double Purpose Union Swivel Δ	
28-44-NL	1" Flare Copper	1" Male Iron Pipe Union Swivel	
82-44-NL	1" Male Iron Pipe Union Swivel	1" Flare Copper	**175.15**
►♦ **44-44-NL**	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	**267.66**
► **14-44-NL**	1" Double Purpose Union Swivel Δ	1" P.J. for Copper or Plastic Tubing (CTS)*	**281.91**
►♦ **41-44-NL**	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Double Purpose Union Swivel Δ	
►♦ **48-44-NL**	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Male Iron Pipe Union Swivel	
► **84-44-AWT-NL**	1" Male Iron Pipe Union Swivel	1" P.J. for Copper or Plastic Tubing (CTS)*	**347.33**

* **Grip Joint** for CTS is available. Insert "-G" into the catalog number.

♦ **Quick Joint** is available. Insert "-Q" into the catalog number.

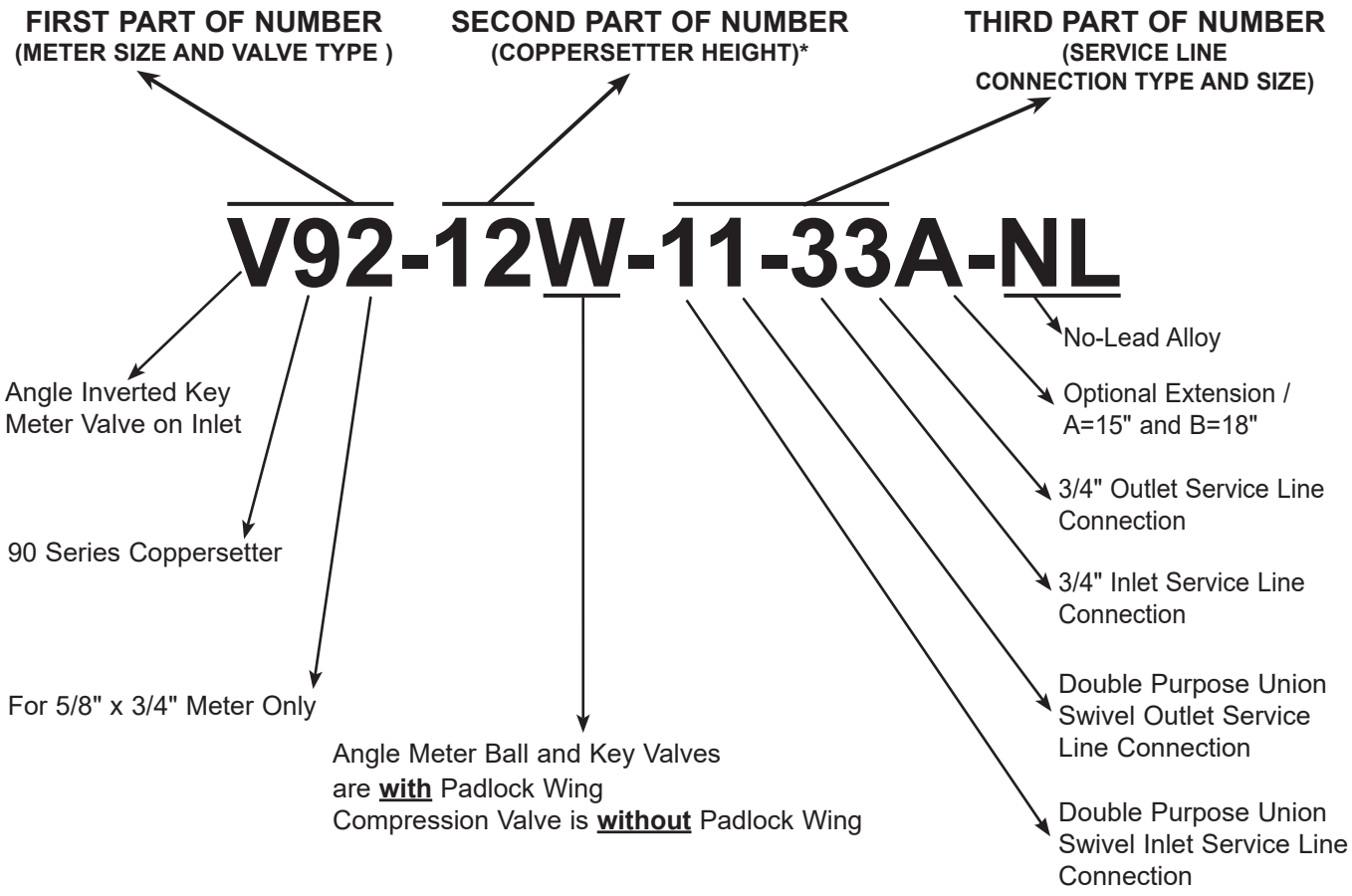
► Ultra-Tite is available. Contact factory for pricing and availability.

Δ **Double purpose union swivels** will accommodate male iron pipe threads or flare copper.

• These connections are not available on 73-83 series coppersetters (with 15/16" O.D. copper tubing). These coppersetters will have 13/16" O.D. tubing with 3/4" meter spacing. Order as a 73-83 series, but add this price to the 72-82 series equivalent . . . . . **$ 18.93**

90 SERIES COPPERSETTERS

Example of Catalog Number for a 90 Series Coppersetter



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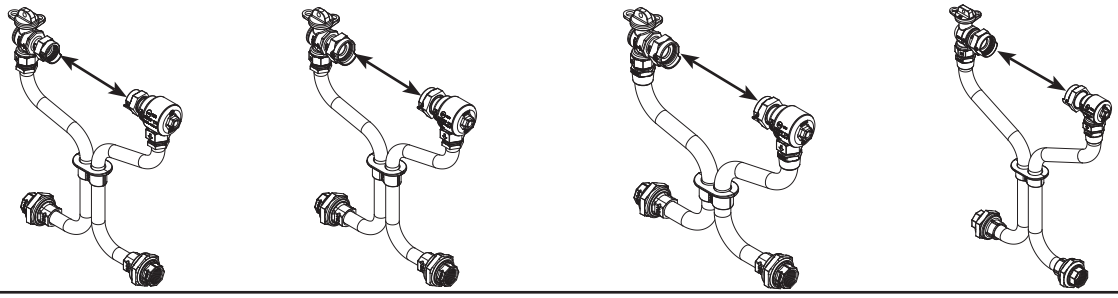
* Approximate height is from center line of service line to center line of meter nut.

The description for the above catalog number reads: 90 series coppersetter for 5/8" x 3/4" meter with an angle inverted key meter valve, 12" high with 3/4" double purpose union swivel inlet by 3/4" double purpose union swivel outlet on an optional 15" extended outlet.

TO ORDER: Select one catalog number component from the charts on pages 19-23 to complete the coppersetter catalog number. Selection order of components:

Step 1. Meter size and valve type . . . . . page 19
Step 2. Coppersetter height . . . . . page 20
Step 3. Service line connections for 5/8", 5/8" x 3/4" and 3/4" meters. . . . . pages 20 and 21
Service line connections for 1" meters. . . . . page 22
Options: Outlet extension, bolted clamp construction and brace eye . . . . . page 23

STEP 1. METER SIZE AND VALVE TYPE - (FIRST PART OF CATALOG NUMBER)



91, 92 AND 93 SERIES COPPERSETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS

Catalog Number (Meter Size and Valve Type)			Description		List Price
For 5/8"	For 5/8" x 3/4"	3/4"	Inlet Valve	Outlet Valve	
91	**92**	**93**	None	None	-
V91	**V92**	**V93**	Key	None	**$ 74.49**
VB91	**VB92**	**VB93**	Ball	None	**90.49**
VBB91***	**VBB92*****	**VBB93**	Ball	Ball	**180.96**
VVG91*	**VVG92***	**VVG93***	Key	Compression	**169.67**
VV91	**VV92**	**VV93**	Key	Key	**148.90**
VH91	**VH92**	**VH93**	Key	Single Check	**156.61**
VHH91	**VHH92**	**VHH93**	Key	●Cascading Dual Check	**225.33**
VHC91**	**VHC92****	**VHC93****	Key	●Cartridge Dual Check	**240.01**
VBG91*	**VBG92***	**VBG93***	Ball	Compression	**185.61**
VBH91	**VBH92**	**VBH93**	Ball	Single Check	**172.66**
VBHH91	**VBHH92**	**VBHH93**	Ball	●Cascading Dual Check	**241.36**
VBHC91**	**VBHC92****	**VBHC93****	Ball	●Cartridge Dual Check	**255.90**

* Compression valve does not have padlock wing.

** 12" minimum height for 91 and 92 series coppersetters with cartridge dual check valve. 15" minimum height for 93 series coppersetters with cartridge dual check valve.

*** 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.

● Dual check valves with enhanced chlorine / chloramine resistance are available. Add “CR” to end of alpha code.
Example: VBHCCR93-15W-44-33-NL. Add to price for cartridge style . . . . . **$ 39.02**
Add to price for cascading style . . . . . **$ 19.04**
Note: For Secura-Lok™ options, see page F-49.

94 SERIES COPPERSETTERS FOR 1" METERS

Catalog Number (Valve Type) for 1"	Description		List Price
	Inlet Valve	Outlet Valve	
94	None	None	-
V94	Key	None	**$ 114.20**
VB94	Ball	None	**181.62**
VBB94	Ball	Ball	**363.21**
VVG94*	Key	Compression	**266.34**
VV94	Key	Key	**228.27**
VH94	Key	Single Check	**212.88**
VHH94	Key	●▼Cascading Dual Check	**270.97**
VHC94**	Key	● Cartridge Dual Check	**401.24**
VBG94*	Ball	Compression	**333.76**
VBH94	Ball	Single Check	**280.35**
VBHH94	Ball	●▼Cascading Dual Check	**338.46**
VBHC94**	Ball	● Cartridge Dual Check	**468.73**

▼ 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.

● Dual check valves with enhanced chlorine / chloramine resistance are available. Add “CR” to end of alpha code.
Example: VBHCCR94-15W-44-33-NL. Add to price for cartridge style . . . . . **$ 49.47**
Add to price for cascading style . . . . . **$ 19.04**

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” prior to the “-NL” at the end of catalog number and contact the factory for pricing.

* Compression valve does not have padlock wing.

** 18" minimum height for 94 series coppersetters with cartridge dual check valve.

Note: For Secura-Lok™ options, see page F-49.

METER VALVE OPTIONS FOR 90 SERIES COPPERSETTERS

Seal wire hole in inlet valve, add to price . . . . . **$ 1.79**
Seal wire hole in check valve cap, add to price . . . . . **$ 3.59**

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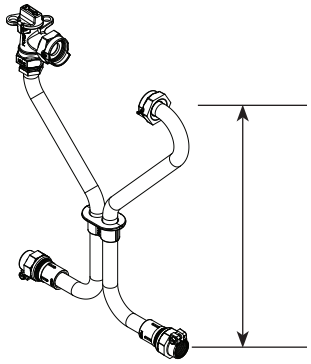
STEP 2. APPROXIMATE HEIGHT - (SECOND PART OF CATALOG NUMBER)

91 SERIES COPPERSETTER FOR 5/8" METERS

Catalog Number	Coppersetter Height (In.)	Add to Price
9W	9	**$ 154.31**
12W	12	**154.31**
15W	15	**160.87**
18W	18	**193.81**
21W	21	**206.01**
24W	24	**215.81**

92 SERIES COPPERSETTER FOR 5/8" X 3/4" METERS

Catalog Number	Coppersetter Height (In.)	Add to Price
9W	9	**$ 160.51**
12W	12	**160.51**
15W	15	**167.09**
18W	18	**199.88**
21W	21	**211.98**
24W	24	**221.80**



93 SERIES COPPERSETTER FOR 3/4" METERS

Catalog Number	Coppersetter Height (In.)	Add to Price
12W	12	**$ 203.47**
15W	15	**217.83**
18W	18	**246.14**
21W	21	**259.37**
24W	24	**272.83**

94 SERIES COPPERSETTER FOR 1" METERS

Catalog Number	Coppersetter Height (In.)	Add to Price
15W	15	**$ 311.43**
18W	18	**361.43**
21W	21	**385.32**
24W	24	**399.84**

F

HEIGHT OPTIONS FOR 90 SERIES COPPERSETTERS

COPPERSETTERS OVER 24" CAN BE ORDERED IN 3" INCREMENTS.
INDICATE THE HEIGHT REQUIRED IN THE SECOND PART OF THE PART NUMBER.
FOR EACH ADDITIONAL 3" IN HEIGHT, ADD TO PRICE:

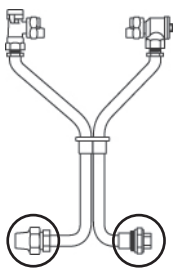
For 5/8", 91 series coppersetters . . . . . **$ 7.89**
For 5/8" x 3/4", 92 series coppersetters . . . . . **$ 7.89**
For 3/4", 93 series coppersetters . . . . . **$ 10.88**
For 1", 94 series coppersetters . . . . . **$ 12.68**

STEP 3. SERVICE LINE CONNECTIONS (THIRD PART OF CATALOG NUMBER)

FOR 91, 92 AND 93 SERIES COPPERSETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS

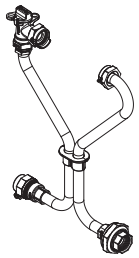
PACK JOINT INLET BY PACK JOINT OUTLET

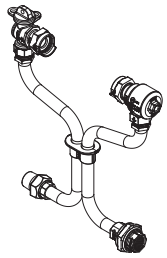
Catalog Number	Description		Add To Price
	Inlet Connection	Outlet Connection	
► ♦ **44-33-NL**	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	**$ 69.92**
► **66-33-NL**	3/4" P.J. for PE Pipe*	3/4" P.J. for PE Pipe*	**80.92**
77-33-NL	3/4" P.J. for PVC/IPS PE Pipe	3/4" P.J. for PVC/IPS PE Pipe	
► **46-33-NL**	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for PE Pipe*	**75.48**
► **64-33-NL**	3/4" P.J. for PE Pipe*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	
► **47-33-NL**	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for PVC/IPS PE Pipe	
► **74-33-NL**	3/4" P.J. for PVC/IPS PE Pipe	3/4" P.J. for Copper or Plastic Tubing (CTS)*	
►• **47-34-NL**	3/4" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for PVC/IPS PE Pipe	**104.37**
►•♦ **44-44-NL**	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	**115.88**
►• **47-44-NL**	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for PVC/IPS PE Pipe	**125.20**
►• **74-44-NL**	1" P.J. for PVC/IPS PE Pipe	1" P.J. for Copper or Plastic Tubing (CTS)*	
►• **66-44-NL**	1" P.J. for PE Pipe*	1" P.J. for PE Pipe*	**138.77**
►• **67-44-NL**	1" P.J. for PE Pipe*	1" P.J. for PVC/IPS PE Pipe	
►• **76-44-NL**	1" P.J. for PVC/IPS PE Pipe	1" P.J. for PE Pipe*	
• **77-44-NL**	1" P.J. for PVC/IPS PE Pipe	1" P.J. for PVC/IPS PE Pipe	



* **Grip Joint** for CTS and PEP is available. Insert "-G" into the catalog number.
♦ **Quick Joint** is available. Insert "-Q" into the catalog number.
► Ultra-Tite is available. Contact factory for pricing and availability.
• These connections are not available on 93 series coppersetters (with 15/16" O.D. copper tubing). These coppersetters will have 13/16" O.D. copper tubing with 3/4" meter spacing. Order as a 93 series, but add this price to the 92 series equivalent . . . . . **$ 18.93**
Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

STEP 3. SERVICE LINE CONNECTIONS (THIRD PART OF CATALOG NUMBER)
FOR 91, 92 AND 93 SERIES COPPERSETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS





PACK JOINT INLET BY IRON PIPE OUTLET

Catalog Number	Description		Add to Price
	Inlet Connection	Outlet Connection	
►♦ 14-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" P.J. for Copper or Plastic Tubing (CTS)*	$ 73.89
►♦ 41-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose Union Swivel Δ	73.89
►♦ 48-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Male Iron Pipe Union Swivel	73.89
►♦ 84-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" P.J. for Copper or Plastic Tubing (CTS)*	73.89
► 16-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" P.J. for PE Pipe*	79.37
► 61-33-NL	3/4" P.J. for PE Pipe*	3/4" Double Purpose Union Swivel Δ	79.37
► 68-33-NL	3/4" P.J. for PE Pipe*	3/4" Male Iron Pipe Union Swivel	79.37
► 86-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" P.J. for PE Pipe*	79.37
17-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" P.J. for PVC/IPS PE Pipe	79.37
71-33-NL	3/4" P.J. for PVC/IPS PE Pipe	3/4" Double Purpose Union Swivel Δ	79.37
78-33-NL	3/4" P.J. for PVC/IPS PE Pipe	3/4" Male Iron Pipe Union Swivel	79.37
87-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" P.J. for PVC/IPS PE Pipe	79.37
♦ 41-43-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose Union Swivel Δ	96.84
►♦• 14-44-NL	1" Double Purpose Union Swivel Δ	1" P.J. for Copper or Plastic Tubing (CTS)*	127.73
►♦• 41-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Double Purpose Union Swivel Δ	127.73
► 48-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Male Iron Pipe Union Swivel	122.97
► 84-44-NL	1" Male Iron Pipe Union Swivel	1" P.J. for Copper or Plastic Tubing (CTS)*	122.97
► • 16-44-NL	1" Double Purpose Union Swivel Δ	1" P.J. for PE Pipe*	139.19
► • 61-44-NL	1" P.J. for PE Pipe*	1" Double Purpose Union Swivel Δ	139.19
► • 68-44-NL	1" P.J. for PE Pipe*	1" Male Iron Pipe Union Swivel	134.43
► • 86-44-NL	1" Male Iron Pipe Union Swivel	1" P.J. for PE Pipe*	134.43
• 78-44-NL	1" P.J. for PVC/IPS PE Pipe	1" Male Iron Pipe Union Swivel	134.43
• 87-44-NL	1" Male Iron Pipe Union Swivel	1" P.J. for PVC/IPS PE Pipe	134.43
• 71-44-NL	1" P.J. for PVC/IPS PE Pipe	1" Double Purpose Union Swivel Δ	139.19
• 17-44-NL	1" Double Purpose Union Swivel Δ	1" P.J. for PVC/IPS PE Pipe	139.19

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

IRON PIPE AND FLARE COPPER CONNECTIONS

Catalog Number	Description		Add To Price
	Inlet Connection	Outlet Connection	
MM-33-NL	3/4" Integral Male Iron Pipe	3/4" Integral Male Iron Pipe	$ 35.54
22-33-NL	3/4" Flare Copper	3/4" Flare Copper	53.23
12-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Flare Copper	65.48
21-33-NL	3/4" Flare Copper	3/4" Double Purpose Union Swivel Δ	65.48
28-33-NL	3/4" Flare Copper	3/4" Male Iron Pipe Union Swivel	
82-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Flare Copper	
11-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Double Purpose Union Swivel Δ	77.82
88-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Male Iron Pipe Union Swivel	
81-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Double Purpose Union Swivel Δ	
18-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Male Iron Pipe Union Swivel	
•11-44-NL	1" Double Purpose Union Swivel Δ	1" Double Purpose Union Swivel Δ	139.60
•22-44-NL	1" Flare Copper	1" Flare Copper	88.82

NOTE: Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11 only.

* **Grip Joint** for CTS and PEP is available. Insert "G" into the catalog number.

♦ **Quick Joint** is available. Insert "-Q" into the catalog number.

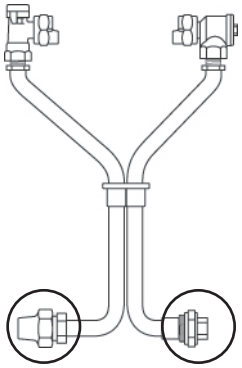
► Ultra-Tite is available. Contact factory for pricing and availability.

Δ **Double purpose union swivels** will accommodate male iron pipe threads or flare copper.

• These connections are not available on 93 series coppersetters (with 15/16" O.D. copper tubing). These coppersetters will have 13/16" O.D. copper tubing with 3/4" meter spacing. Order as a 93 series, but add this price to the 92 series equivalent . . . . . **$ 18.93**

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STEP 3. SERVICE LINE CONNECTIONS (THIRD PART OF CATALOG NUMBER) FOR 94 SERIES COPPERSETTERS



1" PACK JOINT BOTH ENDS

Catalog Number	Description		Add To Price
	Inlet Connection	Outlet Connection	
►♦ 44-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	$ 113.73
► 66-44-NL	1" P.J. for PE Pipe*	1" P.J. for PE Pipe*	160.79
77-44-NL	1" P.J. for PVC/IPS PE Pipe	1" P.J. for PVC/IPS PE Pipe	
► 46-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for PE Pipe*	137.32
► 64-44-NL	1" P.J. for PE Pipe*	1" P.J. for Copper or Plastic Tubing (CTS)*	
►♦ 47-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for PVC/IPS PE Pipe	
►♦ 74-44-NL	1" P.J. for PVC/IPS PE Pipe	1" P.J. for Copper or Plastic Tubing (CTS)*	

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

1" PACK JOINT ONE END

Catalog Number	Description		Add To Price
	Inlet Connection	Outlet Connection	
►♦ 14-44-NL	1" Double Purpose Union Swivel Δ	1" P.J. for Copper or Plastic Tubing (CTS)*	$ 122.10
►♦ 41-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Double Purpose Union Swivel Δ	122.10
► 16-44-NL	1" Double Purpose Union Swivel Δ	1" P.J. for PE Pipe*	130.35
► 61-44-NL	1" P.J. for PE Pipe*	1" Double Purpose Union Swivel Δ	130.35

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

IRON PIPE AND FLARE CONNECTIONS

Catalog Number	Description		Add To Price
	Inlet Connection	Outlet Connection	
MM-44-NL	1" Integral Male Iron Pipe	1" Integral Male Iron Pipe	$ 62.36
22-44-NL	1" Flare Copper	1" Flare Copper	99.82
12-44-NL	1" Double Purpose Union Swivel Δ	1" Flare Copper	120.57
21-44-NL	1" Flare Copper	1" Double Purpose Union Swivel Δ	
28-44-NL	1" Flare Copper	1" Male Iron Pipe Union Swivel	
82-44-NL	1" Male Iron Pipe Union Swivel	1" Flare Copper	
11-44-NL	1" Double Purpose Union Swivel Δ	1" Double Purpose Union Swivel Δ	141.42
88-44-NL	1" Male Iron Pipe Union Swivel	1" Male Iron Pipe Union Swivel	
18-44-NL	1" Double Purpose Union Swivel Δ	1" Male Iron Pipe Union Swivel	
81-44-NL	1" Male Iron Pipe Union Swivel	1" Double Purpose Union Swivel Δ	

* **Grip Joint** for CTS and PEP is available. Insert "G" into the catalog number.

♦ **Quick Joint** is available for CTS connections only. Insert "-Q" into the catalog number.

► Ultra-Tite is available. Contact factory for pricing and availability.

Δ **Double purpose union swivels** will accommodate male iron pipe threads or flare copper.

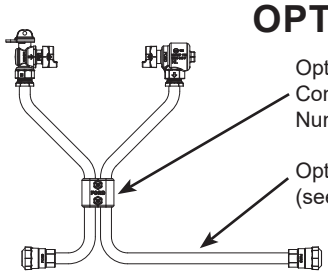
INLET TUBE OPTIONS FOR 90 SERIES COPPERSETTERS

Option	Coppersetter Size	Inlet Tube Option Code	Add To Price
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.	**$ 22.41**
18" inlet tube extension	5/8" & 5/8" x 3/4"	Add "**S**" to Cat. No.	**27.09**
Vertical Inlet	5/8" & 5/8" x 3/4"	Add "**Z**" to Cat. No.	**NO CHARGE**
INLET TUBE OPTIONS FOR 3/4" 90 SERIES COPPERSETTERS			
15" inlet tube extension	3/4"	Add "**P**" to Cat. No.	**29.19**
18" inlet tube extension	3/4"	Add "**S**" to Cat. No.	**35.25**
Vertical Inlet	3/4"	Add "**Z**" to Cat. No.	**NO CHARGE**
INLET TUBE OPTIONS FOR 1" 90 SERIES COPPERSETTERS			
15" inlet tube extension	1"	Add "**P**" to Cat. No.	**35.96**
18" inlet tube extension	1"	Add "**S**" to Cat. No.	**42.66**
Vertical Inlet	1"	Add "**Z**" to Cat. No.	**NO CHARGE**

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.

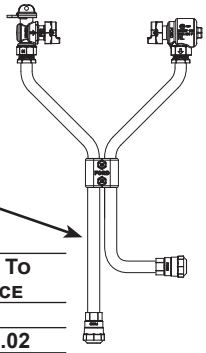
OPTIONS FOR 90 SERIES COPPERSETTERS



Optional Bolted Clamp Construction: Add "C" to Catalog Number (see below)

Optional Outlet Tube Extension (see below)

Optional Vertical Inlet Construction: Add "Z" to Catalog Number (see above)



Option	Coppersetter Size	Extension to Catalog Number	Add To Price
OPTIONS FOR 5/8" AND 5/8" X 3/4" 90 SERIES COPPERSETTERS			
Brace Eye	5/8" and 5/8" x 3/4"	Add "**E**" to Cat. No.	**$ 19.02**
Bolted Clamp Construction	5/8" and 5/8" x 3/4"	Add "**C**" to Cat. No.	**5.26**
15" Outlet Tube Extension	5/8" and 5/8" x 3/4"	Add "**A**" to Cat. No.	**22.41**
15" Outlet Tube Extension and Brace Eye	5/8" and 5/8" x 3/4"	Add "**H**" to Cat. No.	**41.44**
15" Outlet Tube Extension and Bolted Clamp	5/8" and 5/8" x 3/4"	Add "**F**" to Cat. No.	**27.66**
18" Outlet Tube Extension	5/8" and 5/8" x 3/4"	Add "**B**" to Cat. No.	**27.09**
18" Outlet Tube Extension and Brace Eye	5/8" and 5/8" x 3/4"	Add "**K**" to Cat. No.	**46.15**
18" Outlet Tube Extension and Bolted Clamp	5/8" and 5/8" x 3/4"	Add "**J**" to Cat. No.	**32.38**
OPTIONS FOR 3/4" 90 SERIES COPPERSETTERS			
Brace Eye	3/4"	Add "**E**" to Cat. No.	**23.22**
Bolted Clamp Construction	3/4"	Add "**C**" to Cat. No.	**5.26**
15" Outlet Tube Extension	3/4"	Add "**A**" to Cat. No.	**29.19**
15" Outlet Tube Extension and Brace Eye	3/4"	Add "**H**" to Cat. No.	**52.36**
15" Outlet Tube Extension and Bolted Clamp	3/4"	Add "**F**" to Cat. No.	**34.48**
18" Outlet Tube Extension	3/4"	Add "**B**" to Cat. No.	**35.25**
18" Outlet Tube Extension and Brace Eye	3/4"	Add "**K**" to Cat. No.	**58.36**
18" Outlet Tube Extension and Bolted Clamp	3/4"	Add "**J**" to Cat. No.	**40.53**
OPTIONS FOR 1" 90 SERIES COPPERSETTERS			
Brace eye	1"	Add "**E**" to Cat. No.	**30.84**
Bolted Clamp Construction	1"	Add "**C**" to Cat. No.	**5.26**
15" Outlet Tube Extension	1"	Add "**A**" to Cat. No.	**35.96**
15" Outlet Tube Extension and Brace Eye	1"	Add "**H**" to Cat. No.	**66.80**
15" Outlet Tube Extension and Bolted Clamp	1"	Add "**F**" to Cat. No.	**41.25**
18" Outlet Tube Extension	1"	Add "**B**" to Cat. No.	**42.66**
18" Outlet Tube Extension and Brace Eye	1"	Add "**K**" to Cat. No.	**73.46**
18" Outlet Tube Extension and Bolted Clamp	1"	Add "**J**" to Cat. No.	**47.92**

Note: To order the above options with the coppersetter; add the catalog number extension letter to the 90 series coppersetter number and add the price to the price of the coppersetter.

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

BRACE EYE (NOT FACTORY ASSEMBLED) FOR 90 SERIES COPPERSETTERS



Brace Eye

Option	Catalog Number	List Price
Brace Eye on 5/8" and 5/8" x 3/4" Sizes	**BRE-92**	**$ 19.02**
Brace Eye on 3/4" size	**BRE-93**	**23.22**
Brace Eye on 1" size	**BRE-94**	**30.84**

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.

TANDEM COPPERSETTERS OR RESETTERS

Designed to solve problems resulting from above-normal water pressure, the tandem coppersetter holds a pressure regulator just ahead of the water meter – all in one compact, quickly-installed Ford Coppersetter. Water flows through the pressure regulator first, thereby reducing the pressure to normal.

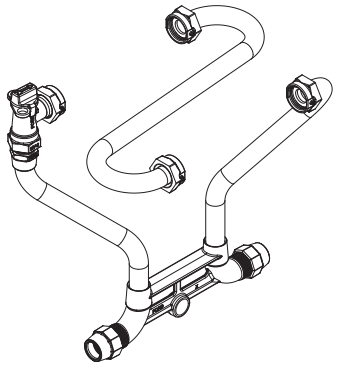
This space-saving unit is designed for installation in a single meter pit, frequently as small as 20" in diameter, however, Ford recommends service lines and valves to be a minimum of 2" from the pit wall to help prevent freezing.

HOW TO ORDER

Select coppersetter series desired. Add the letter "T" before catalog number selected.

EXAMPLE: TV72-18W-21-33-NL = Valve type tandem coppersetter for 5/8" x 3/4" meter, 18" high with 3/4" flared copper inlet and with double purpose swivel union outlet. Tandem coppersetters include an "S" tube and male iron pipe adapters for holding a pressure regulator. When ordering a 5/8", 5/8" x 3/4", 3/4" or 1" coppersetter, adapters and "S" tube will be sized to hold a pressure regulator with a length per the chart below. Unless specified otherwise, tandem coppersetters are designed to hold a water meter in series with a pressure regulator. **An "S" tube and male iron pipe by male meter thread adapters for the regulator are included.**

PRICES BELOW MUST BE *ADDED* TO PRICE OF CORRESPONDING STANDARD COPPERSETTER.



Description				Additional Price – Add to price of corresponding standard Coppersetter			
Meter Size	* Standard PRV Spacing w/ Adapters		Tandem Coppersetter Height	For 40, 70, 80 and 270 Series Coppersetters		For 30 and 90 Series Coppersetters	
	Size	* Length (In.)		Valve Type	Plain Type	Valve Type	Plain Type
5/8"	3/4"	4-3/4	7", 9" and 12"	**$ 178.22**	**$ 212.16**	**N/A**	**N/A**
5/8"	3/4"	4-3/4	15"	**156.61**	**153.21**	**$ 175.59**	**$ 172.26**
5/8"	3/4"	4-3/4	18" and over	**161.76**	**158.39**	**181.01**	**177.25**
5/8" x 3/4"	3/4"	4-3/8	7", 9" and 12"	**190.44**	**224.38**	**214.24**	**183.62**
5/8" x 3/4"	3/4"	4-3/8	15"	**168.81**	**165.28**	**187.78**	**184.25**
5/8" x 3/4"	3/4"	4-3/8	18" and over	**174.04**	**170.43**	**192.91**	**189.28**
3/4"	3/4"	5-7/8	12"	**233.04**	**266.85**	**256.81**	**226.23**
3/4"	3/4"	5-7/8	15"	**211.51**	**207.94**	**230.22**	**226.76**
3/4"	3/4"	5-7/8	18" and over	**216.64**	**212.97**	**235.45**	**231.88**
1"	1"	5-19/32	12"	**347.66**	**N/A**	**N/A**	**N/A**
1"	1"	5-19/32	15", 18" and 21"	**347.66**	**344.27**	**373.68**	**370.35**
1"	1"	5-19/32	24" and over	**365.01**	**361.51**	**390.84**	**387.45**

* Minimum height on tandem setters with cartridge dual check valve is approximately 9" for 5/8" and 5/8" x 3/4", 12" for 3/4" and 1" (contact factory for actual height).

Prices on special arrangements will be gladly quoted on receipt of full information. If ordering non-standard PRV spacing, add PRV length to the end of the catalog number.
Example: TVBH72-15W-11-33-6-5-NL (6-1/2" PRV spacing)

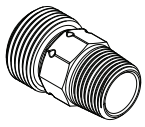
Note: For Secura-Lok™ options, see page F-49.

Tandem Coppersetters – Unless specified otherwise, tandem coppersetters are designed to hold a water meter in series with a pressure regulator. 5/8"-1" tandem coppersetters built for standard length PRV's with FNPT end connections. "S" tube and adapters for the regulator are included.

Parts for Tandem Coppersetters

Adapters for Regulator

(MIP by Male Meter Thread)



Catalog Number	MIP Size	Meter Size	Adapter Length (In.)	Approx. Wt. Lbs.	List Price
***RA-1-NL**	3/4"	5/8"	1-7/8	0.5	**$ 41.29/pr.**
***RA-2-NL**	3/4"	5/8" x 3/4"	2-1/16	0.7	**46.69/pr.**
***RA-4-NL**	1"	1"	2-1/4	1.2	**60.40/pr.**

* Sold as pairs

"S" Tube with Meter Swivel Nuts (including gaskets)

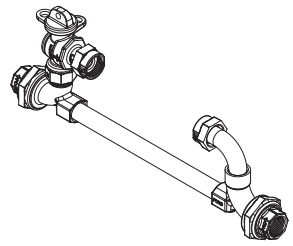


Catalog Number	Meter Size	Approx. Wt. Lbs.	List Price
ST-1	5/8"	1.3	**$ 91.51**
ST-2	5/8" x 3/4"	1.4	**97.05**
***ST-2-EXP-NL**	5/8" x 3/4"	3.2	**224.95**
ST-3	3/4"	1.8	**114.92**
ST-4	1"	2.6	**175.81**

* See page F-49 for more info.

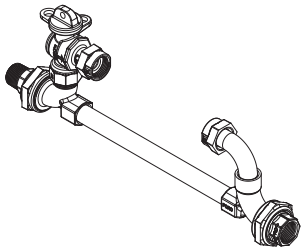
LINESETTERS FOR 5/8" METER

3/4" DOUBLE PURPOSE INLET X 3/4" DOUBLE PURPOSE OUTLET



Catalog Number For 5/8" Meter	Inlet Valve Type	Outlet Valve Type	Approx. Wt. Lbs.	List Price
LS11-133-NL	None	None	3.4	**$ 141.72**
LSV11-133W-NL	Key	None	4.2	**230.05**
LSVH11-133W-NL	Key	Check	4.9	**312.17**
● **LSVHH11-133W-NL**	Key	Cascading Dual Check	5.1	**380.94**
LSVB11-133W-NL	Ball	None	4.3	**245.95**
LSVBH11-133W-NL	Ball	Check	5.0	**328.10**
● **LSVBHH11-133W-NL**	Ball	Cascading Dual Check	5.2	**396.72**

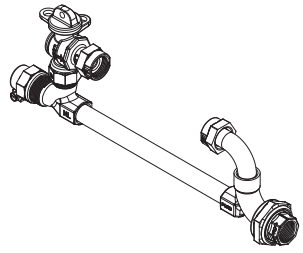
3/4" DOUBLE PURPOSE INLET X 3/4" MALE IRON PIPE OUTLET



Catalog Number For 5/8" Meter	Inlet Valve Type	Outlet Valve Type	Approx. Wt. Lbs.	List Price
LS18-133-NL	None	None	3.4	**$ 141.72**
LSV18-133W-NL	Key	None	4.3	**230.05**
LSVH18-133W-NL	Key	Check	5.1	**312.17**
● **LSVHH18-133W-NL**	Key	Cascading Dual Check	5.2	**380.94**
LSVB18-133W-NL	Ball	None	4.2	**245.95**
LSVBH18-133W-NL	Ball	Check	5.1	**328.10**
● **LSVBHH18-133W-NL**	Ball	Cascading Dual Check	5.3	**396.81**

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3/4" PACK JOINT FOR CTS INLET X 3/4" DOUBLE PURPOSE OUTLET



Catalog Number For 5/8" Meter	Inlet Valve Type	Outlet Valve Type	Approx. Wt. Lbs.	List Price
►♦ LSV41-133W-NL	Key	None	3.9	**$ 230.69**
►♦ LSVH41-133W-NL	Key	Check	4.9	**312.78**
●►♦ LSVHH41-133W-NL	Key	Cascading Dual Check	4.8	**381.50**
►♦ LSVB41-133W-NL	Ball	None	4.0	**244.34**
►♦ LSVBH41-133W-NL	Ball	Check	4.8	**326.62**
●►♦ LSVBHH41-133W-NL	Ball	Cascading Dual Check	4.9	**395.31**

Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: LSV41-133W-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: LSV41-133W-Q-NL

► Ultra-Tite is available. Contact factory for pricing and availability.

● Dual check valves with enhanced chlorine/chloramine resistance are available. Add "CR" to end of alpha code. Example: LSVHHCR11-133W-NL
Add to price for cascading style . . . . . **$ 19.04**

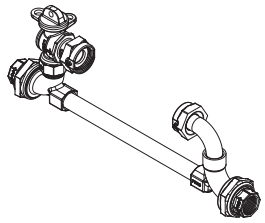
Note: 5/8" x 3/4", 3/4", and 1" setters with angle ball valve will have a reduced port that usually provides suitable water flow. A full port ball valve is available at an additional cost; add "-FP" prior to the "-NL" at the end of catalog number and contact the factory for pricing.

Note: For optional brace eyes, add "1" to the part number and **$ 12.44** to the price.
Example: LSVHH118-133W-NL

Note: For Secura-Lok™ options, see page F-49.

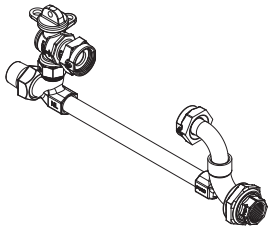
LINESETTERS FOR 5/8" X 3/4" METER

3/4" DOUBLE PURPOSE INLET X 3/4" DOUBLE PURPOSE OUTLET



Catalog Number For 5/8" x 3/4" Meter	Inlet Valve Type	Outlet Valve Type	Approx. Wt. Lbs.	List Price
LS11-233-NL	None	None	3.6	**$ 149.16**
LSV11-233W-NL	Key	None	4.4	**237.30**
LSVH11-233W-NL	Key	Check	5.1	**319.33**
● **LSVHH11-233W-NL**	Key	Cascading Dual Check	5.3	**388.05**
LSVB11-233W-NL	Ball	None	4.4	**253.18**
LSVBH11-233W-NL	Ball	Check	5.2	**335.40**
● **LSVBHH11-233W-NL**	Ball	Cascading Dual Check	5.4	**404.03**

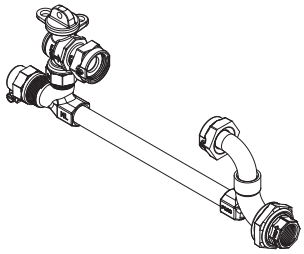
3/4" FLARE COPPER INLET X 3/4" DOUBLE PURPOSE OUTLET



Catalog Number For 5/8" x 3/4" Meter	Inlet Valve Type	Outlet Valve Type	Approx. Wt. Lbs.	List Price
LSV21-233W-NL	Key	None	4.1	**$ 229.89**
LSVH21-233W-NL	Key	Check	5.5	**312.08**
● **LSVHH21-233W-NL**	Key	Cascading Dual Check	5.7	**380.81**
LSVB21-233W-NL	Ball	None	4.6	**245.88**
LSVBH21-233W-NL	Ball	Check	5.5	**328.04**
● **LSVBHH21-233W-NL**	Ball	Cascading Dual Check	5.7	**396.72**

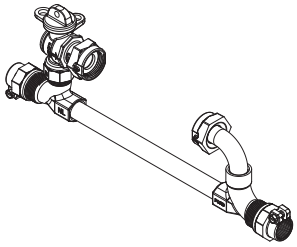
3/4" PACK JOINT FOR CTS INLET X 3/4" DOUBLE PURPOSE OUTLET

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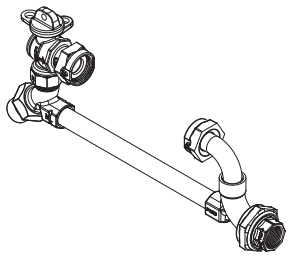
Catalog Number For 5/8" x 3/4" Meter	Inlet Valve Type	Outlet Valve Type	Approx. Wt. Lbs.	List Price
►♦ **LSV41-233W-NL**	Key	None	4.1	**$ 238.10**
►♦ **LSVH41-233W-NL**	Key	Check	4.9	**320.28**
●►♦ **LSVHH41-233W-NL**	Key	Cascading Dual Check	5.0	**389.02**
►♦ **LSVB41-233W-NL**	Ball	None	4.2	**254.05**
►♦ **LSVBH41-233W-NL**	Ball	Check	5.0	**336.17**
●►♦ **LSVBHH41-233W-NL**	Ball	Cascading Dual Check	5.1	**404.94**

3/4" PACK JOINT FOR CTS INLET X 3/4" PACK JOINT FOR CTS OUTLET



Catalog Number For 5/8" x 3/4" Meter	Inlet Valve Type	Outlet Valve Type	Approx. Wt. Lbs.	List Price
►♦ **LSV44-233W-NL**	Key	None	3.8	**$ 258.81**
►♦ **LSVH44-233W-NL**	Key	Check	4.6	**340.84**
●►♦ **LSVHH44-233W-NL**	Key	Cascading Dual Check	5.1	**409.61**
►♦ **LSVB44-233W-NL**	Ball	None	3.9	**274.60**
►♦ **LSVBH44-233W-NL**	Ball	Check	4.8	**356.83**
●►♦ **LSVBHH44-233W-NL**	Ball	Cascading Dual Check	4.8	**425.51**

3/4" ANGLED FLARE COPPER INLET X 3/4" DOUBLE PURPOSE OUTLET



Catalog Number For 5/8" x 3/4" Meter	Inlet Valve Type	Outlet Valve Type	Approx. Wt. Lbs.	List Price
LSAV21-233W-NL	Key	None	4.1	**$ 230.05**
LSAVH21-233W-NL	Key	Check	5.7	**312.17**
● **LSAVHH21-233W-NL**	Key	Cascading Dual Check	5.9	**380.94**
LSAVB21-233W-NL	Ball	None	4.9	**245.95**
LSAVBH21-233W-NL	Ball	Check	5.1	**328.10**
● **LSAVBHH21-233W-NL**	Ball	Cascading Dual Check	6.1	**396.81**

Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: LSV44-233W-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: LSV44-233W-Q-NL

► Ultra-Tite is available. Contact factory for pricing and availability.

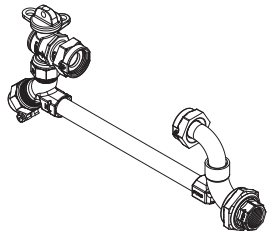
● Dual check valves with enhanced chlorine/chloramine resistance are available. Add "CR" to end of alpha code. Example: LSVHHCR11-233W-NL
Add to price for cascading style . . . . . **$ 19.04**

Note: For optional brace eyes, add "1" to the part number and **$ 12.44** to the price. Example: LSV141-233W-NL

Note: For Secura-Lok™ options, see page F-49.

LINESETTERS FOR 5/8" X 3/4" METER CONTINUED

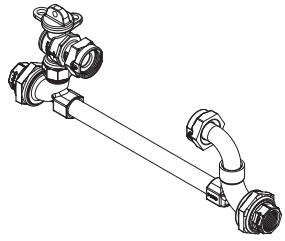
3/4" ANGLED PACK JOINT FOR CTS INLET X 3/4" DOUBLE PURPOSE OUTLET



Catalog Number For 5/8"x3/4" Meter	Inlet Valve Type	Outlet Valve Type	Approx. Wt. Lbs.	List Price
* LSAV41-233W-NL	Key	None	4.0	$ 224.90
* LSAVH41-233W-NL	Key	Check	-	307.02
●* LSAVHH41-233W-NL	Key	Cascading Dual Check	5.0	375.78
* LSAVB41-233W-NL	Ball	None	4.1	240.94
* LSAVBH41-233W-NL	Ball	Check	4.9	323.03
●* LSAVBHH41-233W-NL	Ball	Cascading Dual Check	-	391.69

LINESETTERS FOR 3/4" METER

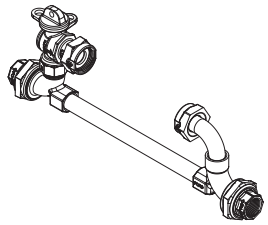
3/4" DOUBLE PURPOSE INLET X 3/4" DOUBLE PURPOSE OUTLET



Catalog Number For 3/4" Meter	Inlet Valve Type	Outlet Valve Type	Approx. Wt. Lbs.	List Price
■ LS11-333-NL	None	None	3.7	$ 180.73
■ LSV11-333W-NL	Key	None	4.4	255.24
■ LSVH11-333W-NL	Key	Check	5.2	337.31
●■ LSVHH11-333W-NL	Key	Cascading Dual Check	5.4	406.05
■ LSVB11-333W-NL	Ball	None	4.5	271.11
■ LSVBH11-333W-NL	Ball	Check	5.3	353.28
●■ LSVBHH11-333W-NL	Ball	Cascading Dual Check	5.6	422.04

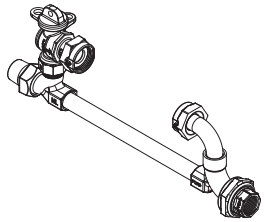
LINESETTERS FOR 1" METER

1" DOUBLE PURPOSE INLET X 1" DOUBLE PURPOSE OUTLET



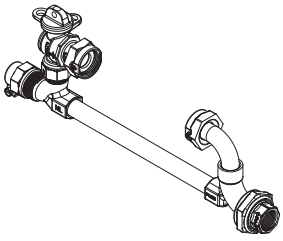
Catalog Number For 1" Meter	Inlet Valve Type	Outlet Valve Type	Approx. Wt. Lbs.	List Price
LSV11-444W-NL	Key	None	8.1	$ 410.58
LSVH11-444W-NL	Key	Check	8.6	509.18
● LSVHH11-444W-NL	Key	Cascading Dual Check ▼	8.8	567.40
LSVB11-444W-NL	Ball	None	8.3	478.05
LSVBH11-444W-NL	Ball	Check	8.8	576.76
● LSVBHH11-444W-NL	Ball	Cascading Dual Check ▼	9.0	634.82

1" FLARE COPPER INLET X 1" DOUBLE PURPOSE OUTLET



Catalog Number For 1" Meter	Inlet Valve Type	Outlet Valve Type	Approx. Wt. Lbs.	List Price
LSV21-444W-NL	Key	None	7.6	$ 410.58
LSVH21-444W-NL	Key	Check	-	509.18
● LSVHH21-444W-NL	Key	Cascading Dual Check ▼	-	567.40
LSVB21-444W-NL	Ball	None	7.8	478.05
LSVBH21-444W-NL	Ball	Check	-	576.76
● LSVBHH21-444W-NL	Ball	Cascading Dual Check ▼	8.5	634.82

1" PACK JOINT FOR CTS INLET X 1" DOUBLE PURPOSE OUTLET



Catalog Number For 1" Meter	Inlet Valve Type	Outlet Valve Type	Approx. Wt. Lbs.	List Price
►♦* LSV41-444W-NL	Key	None	7.4	$ 421.51
►♦* LSVH41-444W-NL	Key	Check	7.9	520.20
●►♦* LSVHH41-444W-NL	Key	Cascading Dual Check ▼	8.1	582.38
►♦* LSVB41-444W-NL	Ball	None	7.6	489.05
►♦* LSVBH41-444W-NL	Ball	Check	8.1	587.74
●►♦* LSVBHH41-444W-NL	Ball	Cascading Dual Check ▼	8.3	645.90

* **Grip Joint** for CTS is available. Insert "- G" into the catalog number. Example: LSV41-444W-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: LSV41-444W-Q-NL

► Ultra-Tite is available. Contact factory for pricing and availability.

■ Besides the 3/4" linesetters listed in the above table, any of the 5/8" x 3/4" linesetters are available by special order for full 3/4" meters. Call for catalog number and price.

▼ 1" angle cascading dual check valves contain 3/4" internal components.

● Dual check valves with enhanced chlorine/chloramine resistance are available. Add "CR" to end of alpha code. Example: LSAVHHCR41-233W-NL
Add to price for cascading style . . . . . **$ 19.04**

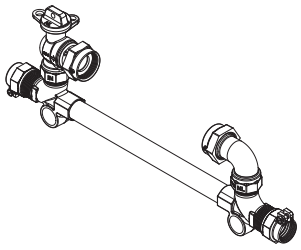
Note: 5/8" x 3/4", 3/4", and 1" setters with angle ball valve will have a reduced port that usually provides suitable water flow. A full port ball valve is available at an additional cost; add "-FP" prior to the "-NL" at the end of catalog number and contact the factory for pricing.

Note: For Secura-Lok™ options, see page F-49.

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LINESETTERS FOR 1" METER CONTINUED

1" PACK JOINT FOR CTS INLET X 1" PACK JOINT FOR CTS OUTLET



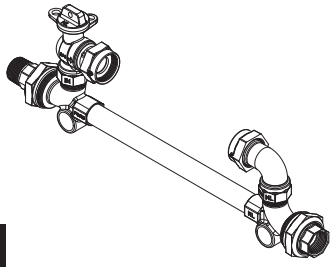
Catalog Number For 1" Meter	Inlet Valve Type	Outlet Valve Type	Approx. Wt. Lbs.	List Price
►♦ LSV44-444W-NL	Key	None	6.7	$ 432.46
►♦ LSVH44-444W-NL	Key	Check	7.3	530.94
●►♦ LSVHH44-444W-NL	Key	Dual Check▼	7.8	589.18
►♦ LSVB44-444W-NL	Ball	None	7.3	499.87
►♦ LSVBH44-444W-NL	Ball	Check	7.7	598.53
●►♦ LSVBHH44-444W-NL	Ball	Dual Check▼	7.6	656.67

Grip Joint for CTS is available. Insert "- G" into the catalog number. Example: LSV44-444W-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: LSV44-444W-Q-NL

►Ultra-Tite is available. Contact factory for pricing and availability.

1" MALE IRON PIPE INLET X 1" DOUBLE PURPOSE OUTLET



Catalog Number For 1" Meter	Inlet Valve Type	Outlet Valve Type	Approx. Wt. Lbs.	List Price
LSV81-444W-NL	Key	None	8.2	$ 410.14
LSVH81-444W-NL	Key	Check	8.8	509.18
● LSVHH81-444W-NL	Key	Dual Check▼	-	567.40
LSVB81-444W-NL	Ball	None	8.4	478.05
LSVBH81-444W-NL	Ball	Check	-	576.76
● LSVBHH81-444W-NL	Ball	Dual Check▼	9.1	634.82

▼1" angle cascading dual check valves contain 3/4" internal components.

Note: Setters with angle ball valve will be reduced port unless otherwise requested. Reduced port valves usually provide suitable water flow. Insert "-FP" into the catalog number for full port. Example: LSV81-444W-FP-NL

● Dual check valves with enhanced chlorine/chloramine resistance are available. Add "CR" to end of alpha code. Example: LSVHHCR44-444W-NL
Add to price for cascading style . . . . . **$ 19.04**

Note: For Secura-Lok™ options, see page F-49.

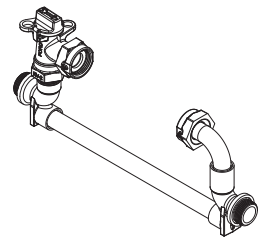
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ADDITIONAL OPTIONS FOR LINESETTERS

Optional Features	Add to Price
1/2" or 3/4" male swivel instead of female swivel on 3/4" double purpose connection	No extra charge
1/2" female swivel instead of 3/4" female swivel on 3/4" double purpose connection	No extra charge
1" male swivel instead of 3/4" female swivel on 3/4" double purpose connection	**$ 6.97** per end
1" female swivel instead of 3/4" female swivel on 3/4" double purpose connection	**$ 16.50** per end
1-1/4" male swivel instead of 1" female swivel on 1" double purpose connection	**$ 14.63** per end
1" male swivel instead of 1" female swivel on 1" double purpose connection	No extra charge
Seal wire hole in inlet valve, add to price	**$ 1.79**
Seal wire hole in check valve cap, add to price	**$ 3.59**

Note: Contact factory for proper catalog number for optional features.

CUT-IN TYPE PACK JOINT LINESETTERS, LESS PACK JOINT ASSEMBLY**
(order Pack Joint assemblies separately)



Catalog Number	Meter Size	Inlet Connection	Outlet Connection	Approx. Wt. Lbs.	List Price
WITHOUT VALVE					
LS00-100-NL	5/8"	Optional Pack Joint	Optional Pack Joint	-	$ 114.20
LS00-200-NL	5/8" x 3/4"	Optional Pack Joint	Optional Pack Joint	2.7	121.90
LS00-300-NL	3/4"	Optional Pack Joint	Optional Pack Joint	-	140.62
WITH VALVE					
LSV00-100W-NL	5/8"	Optional Pack Joint	Optional Pack Joint	-	205.84
LSV00-200W-NL	5/8" x 3/4"	Optional Pack Joint	Optional Pack Joint	3.7	213.67
LSV00-300W-NL	3/4"	Optional Pack Joint	Optional Pack Joint	-	232.10

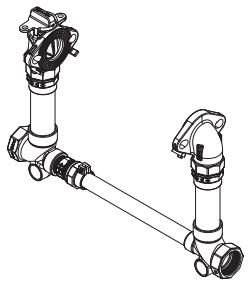
**Pack Joint assemblies for cut-in Pack Joint linesetters (two required per linesetter) – see table on page F-13 under 270 series coppersetters.

70 SERIES COPPERSETTERS FOR 1-1/2" AND 2" FLANGED METERS
HORIZONTAL INLET AND OUTLET

UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" COPPERSETTERS = 13"
2" COPPERSETTERS = 17"

KEY VALVE INLET AND ELL OUTLET

Height (In.)	Service Line Connection		For 1-1/2" Meter Catalog Number	Approx. Wt. Lbs.	List Price	For 2" Meter Catalog Number	Approx. Wt. Lbs.	List Price
	Inlet	Outlet						
12	FIP	FIP	**V76-12-11-66-NL**	19.5	**$ 1564.44**	**V77-12-11-77-NL**	28.8	**$ 1862.32**
	CTS*	FIP	**V76-12-41-66-NL**	22.0	**1620.52**	**V77-12-41-77-NL**	28.0	**1984.67**
	CTS*	CTS*	**V76-12-44-66-NL**	20.9	**1676.78**	**V77-12-44-77-NL**	27.5	**2104.10**
15	FIP	FIP	**V76-15-11-66-NL**	20.1	**1625.98**	**V77-15-11-77-NL**	26.5	**1939.83**
	CTS*	FIP	**V76-15-41-66-NL**	22.7	**1682.11**	**V77-15-41-77-NL**	30.7	**2062.10**
	CTS*	CTS*	**V76-15-44-66-NL**	23.5	**1738.26**	**V77-15-44-77-NL**	28.5	**2181.69**
18	FIP	FIP	**V76-18-11-66-NL**	22.6	**1679.83**	**V77-18-11-77-NL**	27.4	**2017.29**
	CTS*	FIP	**V76-18-41-66-NL**	24.0	**1736.09**	**V77-18-41-77-NL**	31.0	**2139.56**
	CTS*	CTS*	**V76-18-44-66-NL**	24.1	**1792.21**	**V77-18-44-77-NL**	29.5	**2259.12**
21	FIP	FIP	**V76-21-11-66-NL**	21.4	**1743.17**	**V77-21-11-77-NL**	28.4	**2104.10**
	CTS*	FIP	**V76-21-41-66-NL**	24.0	**1799.42**	**V77-21-41-77-NL**	32.0	**2226.47**
	CTS*	CTS*	**V76-21-44-66-NL**	24.8	**1855.50**	**V77-21-44-77-NL**	32.5	**2345.94**
24	FIP	FIP	**V76-24-11-66-NL**	22.0	**1797.00**	**V77-24-11-77-NL**	29.3	**2181.75**
	CTS*	FIP	**V76-24-41-66-NL**	24.0	**1853.20**	**V77-24-41-77-NL**	33.0	**2303.92**
	CTS*	CTS*	**V76-24-44-66-NL**	24.0	**1909.35**	**V77-24-44-77-NL**	31.2	**2423.55**
27	FIP	FIP	**V76-27-11-66-NL**	25.0	**1850.93**	**V77-27-11-77-NL**	34.0	**2259.21**
	CTS*	FIP	**V76-27-41-66-NL**	25.0	**1907.17**	**V77-27-41-77-NL**	31.3	**2381.46**
	CTS*	CTS*	**V76-27-44-66-NL**	24.1	**1963.29**	**V77-27-44-77-NL**	32.1	**2500.99**

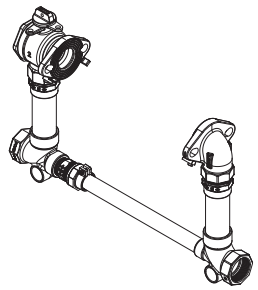


Note: 1-1/2" and 2" coppersetter with an ell on the outlet is standard **without** a by-pass.
*** Grip Joint and Quick Joint** for copper or plastic tube (CTS) are available. For Grip Joint, insert "-G" into the catalog number. Example: V76-12-44-66-G-NL. For Quick Joint, insert "-Q" into the catalog number.

F

BALL VALVE INLET AND ELL OUTLET

Height (In.)	Service Line Connection		For 1-1/2" Meter Catalog Number	Approx. Wt. Lbs.	List Price	For 2" Meter Catalog Number	Approx. Wt. Lbs.	List Price
	Inlet	Outlet						
12	FIP	FIP	**VB76-12-11-66-NL**	21.1	**$ 1729.22**	**VB77-12-11-77-NL**	27.5	**$ 1987.88**
	CTS*	FIP	**VB76-12-41-66-NL**	21.8	**1785.38**	**VB77-12-41-77-NL**	28.5	**2110.27**
	CTS*	CTS*	**VB76-12-44-66-NL**	22.6	**1841.58**	**VB77-12-44-77-NL**	29.4	**2229.64**
15	FIP	FIP	**VB76-15-11-66-NL**	21.8	**1790.81**	**VB77-15-11-77-NL**	28.5	**2065.28**
	CTS*	FIP	**VB76-15-41-66-NL**	23.0	**1846.94**	**VB77-15-41-77-NL**	29.4	**2187.59**
	CTS*	CTS*	**VB76-15-44-66-NL**	23.2	**1903.09**	**VB77-15-44-77-NL**	28.5	**2307.10**
18	FIP	FIP	**VB76-18-11-66-NL**	22.4	**1844.68**	**VB77-18-11-77-NL**	29.4	**2142.78**
	CTS*	FIP	**VB76-18-41-66-NL**	24.0	**1900.91**	**VB77-18-41-77-NL**	30.3	**2265.08**
	CTS*	CTS*	**VB76-18-44-66-NL**	23.9	**1956.33**	**VB77-18-44-77-NL**	32.5	**2384.54**
21	FIP	FIP	**VB76-21-11-66-NL**	24.2	**1907.96**	**VB77-21-11-77-NL**	30.3	**2471.18**
	CTS*	FIP	**VB76-21-41-66-NL**	24.0	**1964.19**	**VB77-21-41-77-NL**	32.0	**2352.05**
	CTS*	CTS*	**VB76-21-44-66-NL**	24.0	**2020.38**	**VB77-21-44-77-NL**	32.0	**2471.47**
24	FIP	FIP	**VB76-24-11-66-NL**	24.0	**1961.87**	**VB77-24-11-77-NL**	31.2	**2307.15**
	CTS*	FIP	**VB76-24-41-66-NL**	23.7	**2018.12**	**VB77-24-41-77-NL**	33.0	**2429.49**
	CTS*	CTS*	**VB76-24-44-66-NL**	25.0	**2074.19**	**VB77-24-44-77-NL**	33.2	**2549.04**
27	FIP	FIP	**VB76-27-11-66-NL**	25.1	**2015.84**	**VB77-27-11-77-NL**	35.0	**2384.72**
	CTS*	FIP	**VB76-27-41-66-NL**	24.3	**2072.01**	**VB77-27-41-77-NL**	35.0	**2506.92**
	CTS*	CTS*	**VB76-27-44-66-NL**	25.8	**2128.15**	**VB77-27-44-77-NL**	34.1	**2626.45**



Note: 1-1/2" and 2" coppersetters with an ell on the outlet are standard **without** a by-pass.
*** Grip Joint and Quick Joint** for copper or plastic tube (CTS) are available. For Grip Joint, insert "-G" into the catalog number. Example: VB76-12-44-66-G-NL. For Quick Joint, insert "-Q" into the catalog number.

Note: For Secura-Lok™ options, see page F-49.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VB77-27-44-77-EXP-NL
For 1-1/2" setters, add to price ..... **$ 45.44**
For 2" setters, add to price **$50.07**

OPTIONS: Options for 1-1/2" and 2" coppersetters include couplings for adapting FIP to various types of service line material. Options found on page F-37.

Tandem coppersetters are available, meter and PRV lengths are required. Contact factory for pricing.

Contact factory for availability and price for **no-rise coppersetters**.

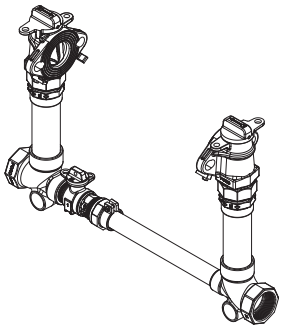
Contact factory for availability and price for heights not listed.

70 SERIES COPPERSETTERS FOR 1-1/2" AND 2" FLANGED METERS
HORIZONTAL INLET AND OUTLET

UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" COPPERSETTERS = 13"
2" COPPERSETTERS = 17"

**KEY VALVE INLET AND OUTLET

Height (In.)	Service Line Connection		For 1-1/2" Meter Catalog Number	Approx. Wt. Lbs.	List Price	For 2" Meter Catalog Number	Approx. Wt. Lbs.	List Price
	Inlet	Outlet						
12	FIP	FIP	**VV76-12B-11-66-NL**	22.6	**$ 1895.16**	**VV77-12B-11-77-NL**	29.9	**$ 2240.46**
	CTS*	FIP	**VV76-12B-41-66-NL**	26.2	**1951.34**	**VV77-12B-41-77-NL**	31.8	**2362.69**
	CTS*	CTS*	**VV76-12B-44-66-NL**	26.0	**2007.46**	**VV77-12B-44-77-NL**	31.9	**2482.27**
15	FIP	FIP	**VV76-15B-11-66-NL**	23.2	**1956.67**	**VV77-15B-11-77-NL**	30.8	**2317.86**
	CTS*	FIP	**VV76-15B-41-66-NL**	24.0	**2012.90**	**VV77-15B-41-77-NL**	32.5	**2440.27**
	CTS*	CTS*	**VV76-15B-44-66-NL**	24.8	**2069.00**	**VV77-15B-44-77-NL**	32.8	**2559.73**
18	FIP	FIP	**VV76-18B-11-66-NL**	23.8	**2010.67**	**VV77-18B-11-77-NL**	31.7	**2395.42**
	CTS*	FIP	**VV76-18B-41-66-NL**	27.2	**2066.82**	**VV77-18B-41-77-NL**	33.8	**2517.58**
	CTS*	CTS*	**VV76-18B-44-66-NL**	25.5	**2122.98**	**VV77-18B-44-77-NL**	33.7	**2637.15**
21	FIP	FIP	**VV76-21B-11-66-NL**	26.5	**2073.88**	**VV77-21B-11-77-NL**	32.6	**2482.27**
	CTS*	FIP	**VV76-21B-41-66-NL**	27.7	**2130.15**	**VV77-21B-41-77-NL**	34.5	**2604.50**
	CTS*	CTS*	**VV76-21B-44-66-NL**	27.7	**2186.17**	**VV77-21B-44-77-NL**	34.7	**2723.95**
24	FIP	FIP	**VV76-24B-11-66-NL**	25.1	**2127.82**	**VV77-24B-11-77-NL**	33.6	**2559.83**
	CTS*	FIP	**VV76-24B-41-66-NL**	28.3	**2184.01**	**VV77-24B-41-77-NL**	35.5	**2682.10**
	CTS*	CTS*	**VV76-24B-44-66-NL**	28.3	**2240.11**	**VV77-24B-44-77-NL**	35.6	**2801.57**
27	FIP	FIP	**VV76-27B-11-66-NL**	25.7	**2181.75**	**VV77-27B-11-77-NL**	34.5	**2637.24**
	CTS*	FIP	**VV76-27B-41-66-NL**	29.0	**2237.90**	**VV77-27B-41-77-NL**	36.8	**2759.56**
	CTS*	CTS*	**VV76-27B-44-66-NL**	29.0	**2294.04**	**VV77-27B-44-77-NL**	36.5	**2879.06**



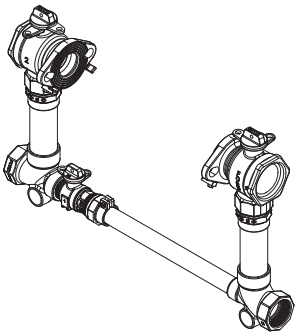
Note: 1-1/2" and 2" coppersetters with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting **$ -170.62** from the price. Example: VV76-12-11-66-NL

***** **Grip Joint and Quick Joint** for copper or plastic tube (CTS) are available. For Grip Joint, insert "-G" into the catalog number. Example: VV76-12-44-66-G-NL. For Quick Joint, insert "-Q" into the catalog number.

****** 1-1/2" and 2" outlet ball valves may be used as a customer shut-off (on customer side of the meter). The flange inverted key angle valves should **not** be used as a customer shut-off on the customer side of the meter.
Note: For Secura-Lok™ options, see page F-49.

BALL VALVE INLET AND OUTLET

Height (In.)	Service Line Connection		For 1-1/2" Meter Catalog Number	Approx. Wt. Lbs.	List Price	For 2" Meter Catalog Number	Approx. Wt. Lbs.	List Price
	Inlet	Outlet						
12	FIP	FIP	**VBB76-12B-11-66-NL**	25.9	**$ 2224.78**	**VBB77-12B-11-77-NL**	33.8	**$ 2491.39**
	CTS*	FIP	**VBB76-12B-41-66-NL**	27.0	**2281.02**	**VBB77-12B-41-77-NL**	35.0	**2613.71**
	CTS*	CTS*	**VBB76-12B-44-66-NL**	27.6	**2337.11**	**VBB77-12B-44-77-NL**	35.8	**2733.20**
15	FIP	FIP	**VBB76-15B-11-66-NL**	26.5	**2286.35**	**VBB77-15B-11-77-NL**	34.7	**2568.91**
	CTS*	FIP	**VBB76-15B-41-66-NL**	27.8	**2342.52**	**VBB77-15B-41-77-NL**	35.7	**2691.10**
	CTS*	CTS*	**VBB76-15B-44-66-NL**	28.2	**2398.70**	**VBB77-15B-44-77-NL**	36.7	**2810.76**
18	FIP	FIP	**VBB76-18B-11-66-NL**	27.2	**2340.25**	**VBB77-18B-11-77-NL**	35.6	**2646.40**
	CTS*	FIP	**VBB76-18B-41-66-NL**	28.1	**2396.55**	**VBB77-18B-41-77-NL**	36.6	**2768.59**
	CTS*	CTS*	**VBB76-18B-44-66-NL**	28.9	**2452.60**	**VBB77-18B-44-77-NL**	37.6	**2888.16**
21	FIP	FIP	**VBB76-21B-11-66-NL**	27.8	**2403.64**	**VBB77-21B-11-77-NL**	36.5	**2733.20**
	CTS*	FIP	**VBB76-21B-41-66-NL**	28.0	**2459.74**	**VBB77-21B-41-77-NL**	38.0	**2855.50**
	CTS*	CTS*	**VBB76-21B-44-66-NL**	28.0	**2515.97**	**VBB77-21B-44-77-NL**	38.5	**2975.00**
24	FIP	FIP	**VBB76-24B-11-66-NL**	28.5	**2457.43**	**VBB77-24B-11-77-NL**	37.5	**2810.87**
	CTS*	FIP	**VBB76-24B-41-66-NL**	30.0	**2513.65**	**VBB77-24B-41-77-NL**	38.5	**2933.05**
	CTS*	CTS*	**VBB76-24B-44-66-NL**	30.1	**2569.78**	**VBB77-24B-44-77-NL**	39.5	**3052.62**
27	FIP	FIP	**VBB76-27B-11-66-NL**	29.1	**2511.40**	**VBB77-27B-11-77-NL**	38.4	**2888.21**
	CTS*	FIP	**VBB76-27B-41-66-NL**	29.9	**2567.64**	**VBB77-27B-41-77-NL**	39.0	**3010.58**
	CTS*	CTS*	**VBB76-27B-44-66-NL**	30.7	**2623.67**	**VBB77-27B-44-77-NL**	40.4	**3130.02**



Note: 1-1/2" and 2" coppersetters with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting **$ -170.62** from the price. Example: VBB76-12-11-66-NL

***** **Grip Joint and Quick Joint** for copper or plastic tube (CTS) are available. For Grip Joint, insert "-G" into the catalog number. Example: VBB76-12-44-66-G-NL. For Quick Joint, insert "-Q" into the catalog number.

Note: For Secura-Lok™ options, see page F-49.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBB77-27B-44-77-EXP-NL
For 1-1/2" setters, add to price ..... **$ 45.44**
For 2" setters, add to price **$50.07**

OPTIONS: Options for 1-1/2" and 2" coppersetters include couplings for adapting FIP to various types of service line material.
Optional high by-pass for use when standard by-pass is difficult to reach.
Options found on page F-37.

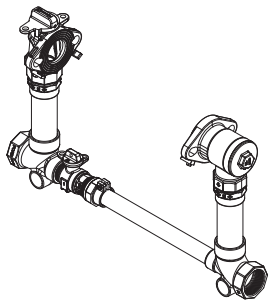
†Tandem coppersetters are available, meter and PRV lengths are required. Contact factory for pricing.
Contact factory for availability and price for **no-rise coppersetters.**
Contact factory for availability and price for heights not listed.

70 SERIES COPPERSETTERS FOR 1-1/2" AND 2" FLANGED METERS
HORIZONTAL INLET AND OUTLET

UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" COPPERSETTERS = 13"
2" COPPERSETTERS = 17"

KEY VALVE INLET AND ANGLE CHECK VALVE OUTLET

Height (In.)	Service Line Connection		For 1-1/2" Meter Catalog Number	Approx. Wt. Lbs.	List Price	For 2" Meter Catalog Number	Approx. Wt. Lbs.	List Price
	Inlet	Outlet						
12	FIP	FIP	**VH76-12B-11-66-NL**	22.3	**$ 1943.25**	**VH77-12B-11-77-NL**	28.8	**$ 2283.49**
	CTS*	FIP	**VH76-12B-41-66-NL**	26.0	**1999.45**	**VH77-12B-41-77-NL**	29.8	**2405.67**
	CTS*	CTS*	**VH76-12B-44-66-NL**	23.9	**2055.51**	**VH77-12B-44-77-NL**	30.8	**2525.20**
15	FIP	FIP	**VH76-15B-11-66-NL**	22.9	**2004.79**	**VH77-15B-11-77-NL**	29.7	**2360.83**
	CTS*	FIP	**VH76-15B-41-66-NL**	26.0	**2060.94**	**VH77-15B-41-77-NL**	34.0	**2483.20**
	CTS*	CTS*	**VH76-15B-44-66-NL**	27.0	**2117.06**	**VH77-15B-44-77-NL**	31.7	**2562.60**
18	FIP	FIP	**VH76-18B-11-66-NL**	23.6	**2058.70**	**VH77-18B-11-77-NL**	30.7	**2438.35**
	CTS*	FIP	**VH76-18B-41-66-NL**	27.0	**2114.91**	**VH77-18B-41-77-NL**	34.0	**2560.55**
	CTS*	CTS*	**VH76-18B-44-66-NL**	28.0	**2170.99**	**VH77-18B-44-77-NL**	32.7	**2680.15**
21	FIP	FIP	**VH76-21B-11-66-NL**	24.1	**2121.98**	**VH77-21B-11-77-NL**	31.6	**2525.20**
	CTS*	FIP	**VH76-21B-41-66-NL**	28.0	**2178.19**	**VH77-21B-41-77-NL**	35.0	**2647.49**
	CTS*	CTS*	**VH76-21B-44-66-NL**	28.0	**2234.35**	**VH77-21B-44-77-NL**	35.0	**2767.09**
24	FIP	FIP	**VH76-24B-11-66-NL**	24.8	**2175.98**	**VH77-24B-11-77-NL**	32.5	**2602.85**
	CTS*	FIP	**VH76-24B-41-66-NL**	28.0	**2232.08**	**VH77-24B-41-77-NL**	36.0	**2725.07**
	CTS*	CTS*	**VH76-24B-44-66-NL**	28.0	**2288.14**	**VH77-24B-44-77-NL**	36.0	**2844.63**
27	FIP	FIP	**VH76-27B-11-66-NL**	28.0	**2229.78**	**VH77-27B-11-77-NL**	33.5	**2680.28**
	CTS*	FIP	**VH76-27B-41-66-NL**	29.0	**2286.06**	**VH77-27B-41-77-NL**	37.0	**2802.62**
	CTS*	CTS*	**VH76-27B-44-66-NL**	27.0	**2342.15**	**VH77-27B-44-77-NL**	35.5	**2922.02**



Note: 1-1/2" and 2" coppersetters with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting **$ -170.62** from the price. Example: VH76-12-11-66-NL

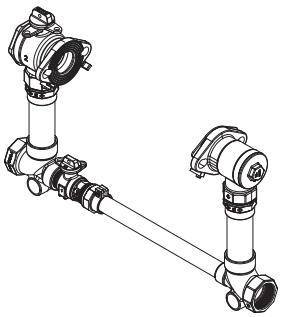
*** Grip Joint and Quick Joint** for copper or plastic tube (CTS) are available. For Grip Joint, insert "-G" into the catalog number. Example: VH76-12-44-66-G-NL. For Quick Joint, insert "-Q" into the catalog number.

Note: For Secura-Lok™ options, see page F-49.

F

BALL VALVE INLET AND ANGLE CHECK VALVE OUTLET

Height (In.)	Service Line Connection		For 1-1/2" Meter Catalog Number	Approx. Wt. Lbs.	List Price	For 2" Meter Catalog Number	Approx. Wt. Lbs.	List Price
	Inlet	Outlet						
12	FIP	FIP	**VBH76-12B-11-66-NL**	24.0	**$ 2108.15**	**VBH77-12B-11-77-NL**	30.7	**$ 2409.13**
	CTS*	FIP	**VBH76-12B-41-66-NL**	24.8	**2164.24**	**VBH77-12B-41-77-NL**	31.8	**2531.36**
	CTS*	CTS*	**VBH76-12B-44-66-NL**	25.6	**2220.42**	**VBH77-12B-44-77-NL**	32.8	**2650.88**
15	FIP	FIP	**VBH76-15B-11-66-NL**	24.6	**2169.62**	**VBH77-15B-11-77-NL**	31.7	**2486.55**
	CTS*	FIP	**VBH76-15B-41-66-NL**	25.4	**2225.74**	**VBH77-15B-41-77-NL**	32.7	**2608.91**
	CTS*	CTS*	**VBH76-15B-44-66-NL**	26.3	**2281.94**	**VBH77-15B-44-77-NL**	33.7	**2728.34**
18	FIP	FIP	**VBH76-18B-11-66-NL**	25.2	**2233.08**	**VBH77-18B-11-77-NL**	32.6	**2564.06**
	CTS*	FIP	**VBH76-18B-41-66-NL**	29.0	**2279.70**	**VBH77-18B-41-77-NL**	33.6	**2686.26**
	CTS*	CTS*	**VBH76-18B-44-66-NL**	26.9	**2335.76**	**VBH77-18B-44-77-NL**	34.6	**2805.80**
21	FIP	FIP	**VBH76-21B-11-66-NL**	25.8	**2286.85**	**VBH77-21B-11-77-NL**	33.5	**2650.88**
	CTS*	FIP	**VBH76-21B-41-66-NL**	30.0	**2343.03**	**VBH77-21B-41-77-NL**	36.0	**2773.15**
	CTS*	CTS*	**VBH76-21B-44-66-NL**	27.6	**2399.17**	**VBH77-21B-44-77-NL**	35.5	**2892.64**
24	FIP	FIP	**VBH76-24B-11-66-NL**	26.5	**2340.71**	**VBH77-24B-11-77-NL**	34.5	**2728.59**
	CTS*	FIP	**VBH76-24B-41-66-NL**	30.0	**2306.22**	**VBH77-24B-41-77-NL**	38.0	**2850.66**
	CTS*	CTS*	**VBH76-24B-44-66-NL**	28.1	**2453.05**	**VBH77-24B-44-77-NL**	36.5	**2970.30**
27	FIP	FIP	**VBH76-27B-11-66-NL**	27.1	**2394.67**	**VBH77-27B-11-77-NL**	35.4	**2806.01**
	CTS*	FIP	**VBH76-27B-41-66-NL**	31.0	**2450.88**	**VBH77-27B-41-77-NL**	39.0	**2928.28**
	CTS*	CTS*	**VBH76-27B-44-66-NL**	32.0	**2506.92**	**VBH77-27B-44-77-NL**	37.4	**3047.73**



Note: 1-1/2" and 2" coppersetters with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting **$ -170.62** from the price. Example: VBH76-12-11-66-NL

*** Grip Joint and Quick Joint** for copper or plastic tube (CTS) are available. For Grip Joint, insert "-G" into the catalog number. Example: VBH76-12-44-66-G-NL. For Quick Joint, insert "-Q" into the catalog number.

Note: For Secura-Lok™ options, see page F-49.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBH77-27B-44-77-EXP-NL
For 1-1/2" setters, add to price ..... **$ 45.44**
For 2" setters, add to price **$50.07**

OPTIONS: Options for 1-1/2" and 2" coppersetters include couplings for adapting FIP to various types of service line material.
Optional high by-pass for use when standard by-pass is difficult to reach.
Options found on page F-37.

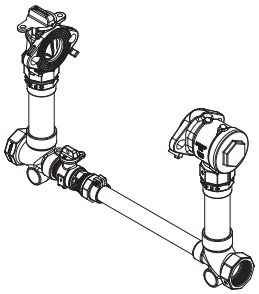
Tandem coppersetters are available, meter and PRV lengths are required. Contact factory for pricing.
Contact factory for availability and price for **no-rise coppersetters**.
Contact factory for availability and price for heights not listed.

70 SERIES COPPERSETTERS FOR 1-1/2" AND 2" FLANGED METERS
HORIZONTAL INLET AND OUTLET

UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" COPPERSETTERS = 13"
2" COPPERSETTERS = 17"

KEY VALVE INLET AND ANGLE DUAL CHECK VALVE OUTLET

Height (In.)	Service Line Connection		For 1-1/2" Meter Catalog Number	Approx. Wt. Lbs.	List Price	For 2" Meter Catalog Number	Approx. Wt. Lbs..	List Price
	Inlet	Outlet						
12	FIP	FIP	**VHH76-12B-11-66-NL**	25.5	**$ 2213.29**	**VHH77-12B-11-77-NL**	30.8	**$ 2380.58**
	CTS*	FIP	**VHH76-12B-41-66-NL**	28.0	**2269.41**	**VHH77-12B-41-77-NL**	31.8	**2502.89**
	CTS*	CTS*	**VHH76-12B-44-66-NL**	27.2	**2325.63**	**VHH77-12B-44-77-NL**	32.8	**2622.32**
15	FIP	FIP	**VHH76-15B-11-66-NL**	26.2	**2274.92**	**VHH77-15B-11-77-NL**	31.7	**2458.07**
	CTS*	FIP	**VHH76-15B-41-66-NL**	28.0	**2331.01**	**VHH77-15B-41-77-NL**	32.7	**2580.29**
	CTS*	CTS*	**VHH76-15B-44-66-NL**	27.8	**2387.17**	**VHH77-15B-44-77-NL**	33.7	**2699.85**
18	FIP	FIP	**VHH76-18B-11-66-NL**	26.8	**2328.76**	**VHH77-18B-11-77-NL**	32.7	**2535.40**
	CTS*	FIP	**VHH76-18B-41-66-NL**	28.0	**2384.94**	**VHH77-18B-41-77-NL**	36.0	**2657.79**
	CTS*	CTS*	**VHH76-18B-44-66-NL**	29.0	**2441.04**	**VHH77-18B-44-77-NL**	34.8	**2777.33**
21	FIP	FIP	**VHH76-21B-11-66-NL**	27.4	**2392.06**	**VHH77-21B-11-77-NL**	33.6	**2622.32**
	CTS*	FIP	**VHH76-21B-41-66-NL**	30.0	**2448.22**	**VHH77-21B-41-77-NL**	36.0	**2744.65**
	CTS*	CTS*	**VHH76-21B-44-66-NL**	30.0	**2504.38**	**VHH77-21B-44-77-NL**	36.0	**2864.12**
24	FIP	FIP	**VHH76-24B-11-66-NL**	28.1	**2445.91**	**VHH77-24B-11-77-NL**	34.5	**2700.01**
	CTS*	FIP	**VHH76-24B-41-66-NL**	31.0	**2502.10**	**VHH77-24B-41-77-NL**	37.0	**2822.17**
	CTS*	CTS*	**VHH76-24B-44-66-NL**	31.0	**2558.26**	**VHH77-24B-44-77-NL**	39.0	**2941.79**
27	FIP	FIP	**VHH76-27B-11-66-NL**	31.0	**2499.88**	**VHH77-27B-11-77-NL**	35.4	**2777.46**
	CTS*	FIP	**VHH76-27B-41-66-NL**	31.0	**2556.03**	**VHH77-27B-41-77-NL**	38.0	**2899.71**
	CTS*	CTS*	**VHH76-27B-44-66-NL**	32.0	**2612.20**	**VHH77-27B-44-77-NL**	39.0	**3019.24**



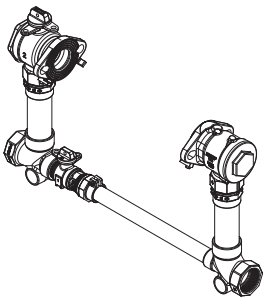
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Note: 1-1/2" and 2" coppersetters with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting **$ -170.62** from the price. Example: VHH76-12-11-66-NL

*** Grip Joint and Quick Joint** for copper or plastic tube (CTS) are available. For Grip Joint, insert "-G" into the catalog number. Example: VHH76-12-44-66-G-NL. For Quick Joint, insert "-Q" into the catalog number.

BALL VALVE INLET AND ANGLE DUAL CHECK VALVE OUTLET

Height (In.)	Service Line Connection		For 1-1/2" Meter Catalog Number	Approx. Wt. Lbs.	List Price	For 2" Meter Catalog Number	Approx. Wt. Lbs.	List Price
	Inlet	Outlet						
12	FIP	FIP	**VBHH76-12B-11-66-NL**	27.2	**$ 2378.18**	**VBHH77-12B-11-77-NL**	32.7	**$ 2506.31**
	CTS*	FIP	**VBHH76-12B-41-66-NL**	28.1	**2434.31**	**VBHH77-12B-41-77-NL**	33.7	**2628.56**
	CTS*	CTS*	**VBHH76-12B-44-66-NL**	28.8	**2490.39**	**VBHH77-12B-44-77-NL**	34.7	**2748.01**
15	FIP	FIP	**VBHH76-15B-11-66-NL**	27.8	**2439.72**	**VBHH77-15B-11-77-NL**	33.7	**2583.66**
	CTS*	FIP	**VBHH76-15B-41-66-NL**	28.7	**2495.85**	**VBHH77-15B-41-77-NL**	34.6	**2706.05**
	CTS*	CTS*	**VBHH76-15B-44-66-NL**	29.5	**2551.96**	**VBHH77-15B-44-77-NL**	35.7	**2825.51**
18	FIP	FIP	**VBHH76-18B-11-66-NL**	28.4	**2493.63**	**VBHH77-18B-11-77-NL**	34.6	**2661.13**
	CTS*	FIP	**VBHH76-18B-41-66-NL**	29.3	**2549.85**	**VBHH77-18B-41-77-NL**	35.6	**2783.42**
	CTS*	CTS*	**VBHH76-18B-44-66-NL**	30.1	**2605.88**	**VBHH77-18B-44-77-NL**	36.6	**2903.03**
21	FIP	FIP	**VBHH76-21B-11-66-NL**	29.1	**2556.91**	**VBHH77-21B-11-77-NL**	35.5	**2748.01**
	CTS*	FIP	**VBHH76-21B-41-66-NL**	32.0	**2613.06**	**VBHH77-21B-41-77-NL**	37.0	**2870.34**
	CTS*	CTS*	**VBHH76-21B-44-66-NL**	30.7	**2669.18**	**VBHH77-21B-44-77-NL**	37.5	**2989.82**
24	FIP	FIP	**VBHH76-24B-11-66-NL**	29.7	**2610.75**	**VBHH77-24B-11-77-NL**	36.4	**2825.61**
	CTS*	FIP	**VBHH76-24B-41-66-NL**	33.0	**2666.90**	**VBHH77-24B-41-77-NL**	37.5	**2947.88**
	CTS*	CTS*	**VBHH76-24B-44-66-NL**	31.4	**2723.13**	**VBHH77-24B-44-77-NL**	38.5	**3067.41**
27	FIP	FIP	**VBHH76-27B-11-66-NL**	30.4	**2664.64**	**VBHH77-27B-11-77-NL**	37.4	**2903.07**
	CTS*	FIP	**VBHH76-27B-41-66-NL**	33.0	**2720.91**	**VBHH77-27B-41-77-NL**	39.0	**3025.31**
	CTS*	CTS*	**VBHH76-27B-44-66-NL**	33.0	**2776.98**	**VBHH77-27B-44-77-NL**	41.0	**3144.87**



Note: 1-1/2" and 2" coppersetters with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting **$ -170.62** from the price. Example: VBHH76-12-11-66-NL

*** Grip Joint and Quick Joint** for copper or plastic tube (CTS) are available. For Grip Joint, insert "-G" into the catalog number. Example: VBHH76-12-44-66-G-NL. For Quick Joint, insert "-Q" into the catalog number.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBHH77-27B-44-77-EXP-NL
For 1-1/2" setters, add to price ..... **$ 45.44**
For 2" setters, add to price ..... **$ 50.07**

OPTIONS: Options for 1-1/2" and 2" coppersetters include couplings for adapting FIP to various types of service line material.
Optional high by-pass for use when standard by-pass is difficult to reach.
Options found on page F-37.

Tandem coppersetters are available, meter and PRV lengths are required. Contact factory for pricing.

Contact factory for availability and price for **no-rise coppersetters**.

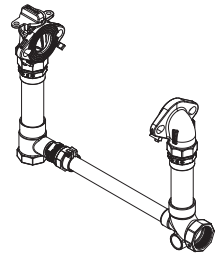
Contact factory for availability and price for heights not listed.

70-80 SERIES COPPERSETTERS FOR 1-1/2" AND 2" FLANGED METERS
VERTICAL INLET AND HORIZONTAL OUTLET

UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" COPPERSETTERS WILL BE 13"
2" COPPERSETTERS WILL BE 17"

KEY VALVE INLET AND ELL OUTLET

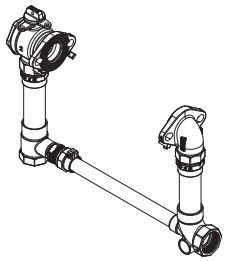
For 1-1/2" Meter				For 2" Meter		
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Catalog Number	Approx. Wt. Lbs.	List Price
12	**V76-86-12-11-66-NL**	21.0	**$ 1564.44**	**V77-87-12-11-77-NL**	26.8	**$ 1862.32**
15	**V76-86-15-11-66-NL**	21.6	**1625.98**	**V77-87-15-11-77-NL**	28.0	**1939.83**
18	**V76-86-18-11-66-NL**	22.0	**1679.83**	**V77-87-18-11-77-NL**	28.0	**2017.29**
21	**V76-86-21-11-66-NL**	23.0	**1743.17**	**V77-87-21-11-77-NL**	29.0	**2104.10**
24	**V76-86-24-11-66-NL**	23.0	**1797.00**	**V77-87-24-11-77-NL**	30.0	**2181.75**
27	**V76-86-27-11-66-NL**	24.0	**1850.93**	**V77-87-27-11-77-NL**	30.0	**2259.21**



Note: 1-1/2" and 2" coppersetters with an ell on the outlet are standard **without** a by-pass.

BALL VALVE INLET AND ELL OUTLET

For 1-1/2" Meter				For 2" Meter		
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Catalog Number	Approx. Wt. Lbs.	List Price
12	**VB76-86-12-11-66-NL**	20.7	**$ 1729.22**	**VB77-87-12-11-77-NL**	29.0	**$ 1987.88**
15	**VB76-86-15-11-66-NL**	24.0	**1790.81**	**VB77-87-15-11-77-NL**	30.0	**2065.28**
18	**VB76-86-18-11-66-NL**	25.0	**1844.68**	**VB77-87-18-11-77-NL**	30.0	**2142.78**
21	**VB76-86-21-11-66-NL**	25.0	**1907.96**	**VB77-87-21-11-77-NL**	31.0	**2229.64**
24	**VB76-86-24-11-66-NL**	23.2	**1961.87**	**VB77-87-24-11-77-NL**	31.0	**2307.15**
27	**VB76-86-27-11-66-NL**	26.0	**2015.84**	**VB77-87-27-11-77-NL**	32.0	**2384.72**



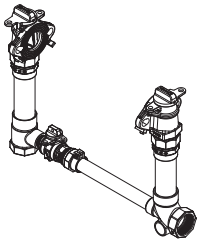
Note: 1-1/2" and 2" coppersetters with an ell on the outlet are standard **without** a by-pass.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VB77-87-27-11-77-EXP-NL
For 1-1/2" setters, add to price ..... **$ 45.44**
For 2" setters, add to price **$50.07**

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KEY VALVE INLET AND OUTLET

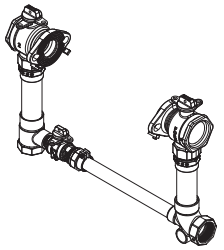
For 1-1/2" Meter				For 2" Meter		
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Catalog Number	Approx. Wt. Lbs.	List Price
12	**VV76-86-12B-11-66-NL**	22.6	**$ 1895.16**	**VV77-87-12B-11-77-NL**	28.6	**$ 2240.46**
15	**VV76-86-15B-11-66-NL**	25.0	**1956.67**	**VV77-87-15B-11-77-NL**	29.5	**2317.86**
18	**VV76-86-18B-11-66-NL**	26.0	**2010.67**	**VV77-87-18B-11-77-NL**	32.0	**2395.42**
21	**VV76-86-21B-11-66-NL**	26.0	**2073.88**	**VV77-87-21B-11-77-NL**	33.0	**2482.27**
24	**VV76-86-24B-11-66-NL**	27.0	**2127.82**	**VV77-87-24B-11-77-NL**	33.0	**2559.83**
27	**VV76-86-27B-11-66-NL**	28.0	**2181.75**	**VV77-87-27B-11-77-NL**	34.0	**2637.24**



Note: 1-1/2" and 2" coppersetters with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting **$ -170.62** from the price. Example: VV76-86-15-11-66-NL

BALL VALVE INLET AND OUTLET

For 1-1/2" Meter				For 2" Meter		
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Catalog Number	Approx. Wt. Lbs.	List Price
12	**VBB76-86-12B-11-66-NL**	25.8	**$ 2224.78**	**VBB77-87-12B-11-77-NL**	32.5	**$ 2491.39**
15	**VBB76-86-15B-11-66-NL**	26.4	**2286.35**	**VBB77-87-15B-11-77-NL**	33.4	**2568.91**
18	**VBB76-86-18B-11-66-NL**	27.1	**2340.25**	**VBB77-87-18B-11-77-NL**	34.4	**2646.40**
21	**VBB76-86-21B-11-66-NL**	28.7	**2403.64**	**VBB77-87-21B-11-77-NL**	35.6	**2733.20**
24	**VBB76-86-24B-11-66-NL**	29.3	**2457.43**	**VBB77-87-24B-11-77-NL**	36.4	**2810.87**
27	**VBB76-86-27B-11-66-NL**	31.0	**2511.40**	**VBB77-87-27B-11-77-NL**	38.0	**2888.21**



Note: 1-1/2" and 2" coppersetters with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting **$ -170.62** from the price. Example: VBB76-86-15-11-66-NL

Note: For Secura-Lok™ options, see page F-49.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBB77-87-27B-11-77-EXP-NL
For 1-1/2" setters, add to price ..... **$ 45.44**
For 2" setters, add to price ..... **$ 50.07**

OPTIONS: Options for 1-1/2" and 2" coppersetters include couplings for adapting FIP to various types of service line material.
Optional high by-pass for use when standard by-pass is difficult to reach.
Options found on page F-37.

Tandem coppersetters are available, meter and PRV lengths are required. Contact factory for pricing.
Contact factory for availability and price for **no-rise coppersetters**.
Contact factory for availability and price for heights not listed.

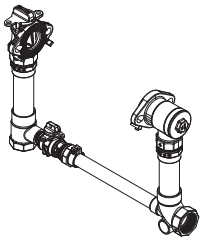
70-80 SERIES COPPERSETTERS FOR 1-1/2" AND 2" FLANGED METERS

VERTICAL INLET AND HORIZONTAL OUTLET

UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" COPPERSETTERS WILL BE 13"
2" COPPERSETTERS WILL BE 17"

KEY VALVE INLET AND ANGLE CHECK VALVE OUTLET

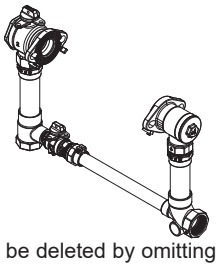
For 1-1/2" Meter				For 2" Meter		
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Catalog Number	Approx. Wt. Lbs.	List Price
12	**VH76-86-12B-11-66-NL**	22.3	**$ 1943.25**	**VH77-87-12B-11-77-NL**	27.6	**$ 2283.49**
15	**VH76-86-15B-11-66-NL**	26.0	**2004.79**	**VH77-87-15B-11-77-NL**	31.0	**2360.83**
18	**VH76-86-18B-11-66-NL**	26.0	**2058.70**	**VH77-87-18B-11-77-NL**	32.0	**2438.35**
21	**VH76-86-21B-11-66-NL**	27.0	**2121.98**	**VH77-87-21B-11-77-NL**	33.0	**2525.20**
24	**VH76-86-24B-11-66-NL**	27.0	**2175.98**	**VH77-87-24B-11-77-NL**	33.0	**2602.85**
27	**VH76-86-27B-11-66-NL**	27.0	**2229.78**	**VH77-87-27B-11-77-NL**	33.0	**2680.28**



Note: 1-1/2" and 2" coppersetters with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting **$ -170.62** from the price. Example: VH76-86-12-11-66-NL

BALL VALVE INLET AND ANGLE CHECK VALVE OUTLET

For 1-1/2" Meter				For 2" Meter		
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Catalog Number	Approx. Wt. Lbs.	List Price
12	**VBH76-86-12B-11-66-NL**	23.8	**$ 2108.15**	**VBH77-87-12B-11-77-NL**	29.5	**$ 2409.13**
15	**VBH76-86-15B-11-66-NL**	27.0	**2169.62**	**VBH77-87-15B-11-77-NL**	30.4	**2486.55**
18	**VBH76-86-18B-11-66-NL**	25.1	**2223.61**	**VBH77-87-18B-11-77-NL**	31.4	**2564.06**
21	**VBH76-86-21B-11-66-NL**	28.0	**2286.85**	**VBH77-87-21B-11-77-NL**	34.0	**2650.88**
24	**VBH76-86-24B-11-66-NL**	29.0	**2340.71**	**VBH77-87-24B-11-77-NL**	35.0	**2728.59**
27	**VBH76-86-27B-11-66-NL**	29.0	**2394.67**	**VBH77-87-27B-11-77-NL**	34.2	**2806.01**



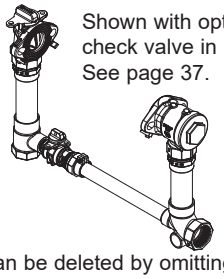
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Note: 1-1/2" and 2" coppersetters with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting **$ -170.62** from the price. Example: VBH76-86-12-11-66-NL

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBH77-87-27B-11-77-EXP-NL
For 1-1/2" setters, add to price ..... **$ 45.44**
For 2" setters, add to price ..... **$ 50.07**

KEY VALVE INLET AND ANGLE DUAL CHECK VALVE OUTLET

For 1-1/2" Meter				For 2" Meter		
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Catalog Number	Approx. Wt. Lbs.	List Price
12	**VHH76-86-12B-11-66-NL**	25.0	**$ 2213.29**	**VHH77-87-12B-11-77-NL**	31.0	**$ 2506.31**
15	**VHH76-86-15B-11-66-NL**	25.0	**2274.92**	**VHH77-87-15B-11-77-NL**	31.0	**2583.66**
18	**VHH76-86-18B-11-66-NL**	26.0	**2328.76**	**VHH77-87-18B-11-77-NL**	31.5	**2661.13**
21	**VHH76-86-21B-11-66-NL**	26.0	**2392.06**	**VHH77-87-21B-11-77-NL**	32.0	**2748.01**
24	**VHH76-86-24B-11-66-NL**	27.0	**2445.91**	**VHH77-87-24B-11-77-NL**	33.3	**2825.61**
27	**VHH76-86-27B-11-66-NL**	27.0	**2499.88**	**VHH77-87-27B-11-77-NL**	33.0	**2903.07**

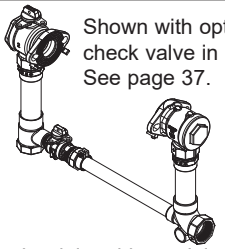


Shown with optional dual check valve in by-pass. See page 37.

Note: 1-1/2" and 2" coppersetters with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting **$ -170.62** from the price. Example: VHH76-86-12-11-66-NL

BALL VALVE INLET AND ANGLE DUAL CHECK VALVE OUTLET

For 1-1/2" Meter				For 2" Meter		
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Catalog Number	Approx. Wt. Lbs.	List Price
12	**VBHH76-86-12B-11-66-NL**	27.2	**$ 2378.18**	**VBHH77-87-12B-11-77-NL**	31.5	**$ 2506.31**
15	**VBHH76-86-15B-11-66-NL**	29.0	**2439.72**	**VBHH77-87-15B-11-77-NL**	33.0	**2583.66**
18	**VBHH76-86-18B-11-66-NL**	30.0	**2493.63**	**VBHH77-87-18B-11-77-NL**	34.0	**2661.13**
21	**VBHH76-86-21B-11-66-NL**	30.0	**2556.91**	**VBHH77-87-21B-11-77-NL**	34.0	**2748.01**
24	**VBHH76-86-24B-11-66-NL**	31.0	**2610.75**	**VBHH77-87-24B-11-77-NL**	35.0	**2825.61**
27	**VBHH76-86-27B-11-66-NL**	32.0	**2664.64**	**VBHH77-87-27B-11-77-NL**	36.0	**2903.07**



Shown with optional dual check valve in by-pass. See page 37.

Note: 1-1/2" and 2" coppersetters with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting **$ -170.62** from the price. Example: VBHH76-86-12-11-66-NL

Note: For Secura-Lok™ options, see page F-49.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBHH77-87-27B-11-77-EXP-NL
For 1-1/2" setters, add to price ..... **$ 45.44**
For 2" setters, add to price ..... **$ 50.07**

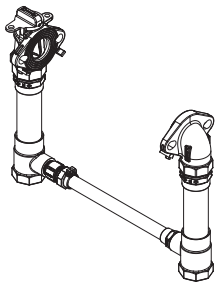
OPTIONS: Options for 1-1/2" and 2" coppersetters include couplings for adapting FIP to various types of service line material.
Optional high by-pass for use when standard by-pass is difficult to reach.
Options found on page F-37.

Tandem coppersetters are available, meter and PRV lengths are required. Contact factory for pricing.
Contact factory for availability and price for **no-rise coppersetters**.
Contact factory for availability and price for heights not listed.

80 SERIES COPPERSETTERS FOR 1-1/2" AND 2" FLANGED METERS
VERTICAL INLET AND VERTICAL OUTLET

UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" COPPERSETTERS WILL BE 13"
2" COPPERSETTERS WILL BE 17"

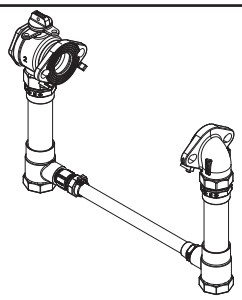
KEY VALVE INLET AND ELL OUTLET



For 1-1/2" Meter				For 2" Meter		
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Catalog Number	Approx. Wt. Lbs.	List Price
12	**V86-12-11-66-NL**	20.0	**$ 1564.44**	**V87-12-11-77-NL**	24.0	**$ 1862.32**
15	**V86-15-11-66-NL**	21.0	**1625.98**	**V87-15-11-77-NL**	25.0	**1939.83**
18	**V86-18-11-66-NL**	21.0	**1679.83**	**V87-18-11-77-NL**	26.0	**2017.29**
21	**V86-21-11-66-NL**	22.0	**1743.17**	**V87-21-11-77-NL**	26.0	**2104.10**
24	**V86-24-11-66-NL**	22.0	**1797.00**	**V87-24-11-77-NL**	27.0	**2181.75**
27	**V86-27-11-66-NL**	23.0	**1850.93**	**V87-27-11-77-NL**	28.0	**2259.21**

Note: 1-1/2" and 2" coppersetters with an ell on the outlet are standard **without** a by-pass.

BALL VALVE INLET AND ELL OUTLET

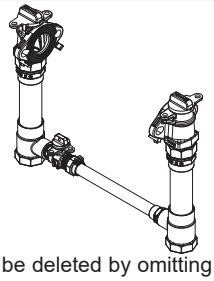


For 1-1/2" Meter				For 2" Meter		
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Catalog Number	Approx. Wt. Lbs.	List Price
12	**VB86-12-11-66-NL**	22.0	**$ 1729.22**	**VB87-12-11-77-NL**	24.2	**$ 1987.88**
15	**VB86-15-11-66-NL**	22.0	**1790.81**	**VB87-15-11-77-NL**	26.0	**2065.28**
18	**VB86-18-11-66-NL**	23.0	**1844.68**	**VB87-18-11-77-NL**	27.0	**2142.78**
21	**VB86-21-11-66-NL**	24.0	**1907.96**	**VB87-21-11-77-NL**	28.0	**2229.64**
24	**VB86-24-11-66-NL**	24.0	**1961.87**	**VB87-24-11-77-NL**	28.0	**2307.15**
27	**VB86-27-11-66-NL**	25.0	**2015.84**	**VB87-27-11-77-NL**	29.0	**2384.72**

Note: 1-1/2" and 2" coppersetters with an ell on the outlet are standard **without** a by-pass.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VB87-27-11-77-EXP-NL
For 1-1/2" setters, add to price ..... **$ 45.44**
For 2" setters, add to price ..... **$ 50.07**

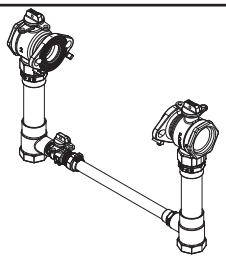
KEY VALVE INLET AND OUTLET



For 1-1/2" Meter				For 2" Meter		
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Catalog Number	Approx. Wt. Lbs.	List Price
12	**VV86-12B-11-66-NL**	21.3	**$ 1895.16**	**VV87-12B-11-77-NL**	26.5	**$ 2240.46**
15	**VV86-15B-11-66-NL**	23.5	**1956.67**	**VV87-15B-11-77-NL**	28.0	**2317.86**
18	**VV86-18B-11-66-NL**	24.5	**2010.67**	**VV87-18B-11-77-NL**	29.0	**2395.42**
21	**VV86-21B-11-66-NL**	25.5	**2073.88**	**VV87-21B-11-77-NL**	30.0	**2482.27**
24	**VV86-24B-11-66-NL**	26.5	**2127.82**	**VV87-24B-11-77-NL**	31.0	**2559.83**
27	**VV86-27B-11-66-NL**	27.5	**2181.75**	**VV87-27B-11-77-NL**	32.0	**2637.24**

Note: 1-1/2" and 2" coppersetters with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting **$ -170.62** from the price. Example: VV86-12-11-66-NL

BALL VALVE INLET AND OUTLET



For 1-1/2" Meter				For 2" Meter		
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Catalog Number	Approx. Wt. Lbs.	List Price
12	**VBB86-12B-11-66-NL**	24.6	**$ 2224.78**	**VBB87-12B-11-77-NL**	30.5	**$ 2491.39**
15	**VBB86-15B-11-66-NL**	26.0	**2286.35**	**VBB87-15B-11-77-NL**	31.0	**2568.91**
18	**VBB86-18B-11-66-NL**	26.0	**2340.25**	**VBB87-18B-11-77-NL**	32.0	**2646.40**
21	**VBB86-21B-11-66-NL**	27.0	**2403.64**	**VBB87-21B-11-77-NL**	33.0	**2733.20**
24	**VBB86-24B-11-66-NL**	27.0	**2457.43**	**VBB87-24B-11-77-NL**	34.0	**2810.87**
27	**VBB86-27B-11-66-NL**	28.0	**2511.40**	**VBB87-27B-11-77-NL**	35.0	**2888.21**

Note: 1-1/2" and 2" coppersetters with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting **$ -170.62** from the price. Example: VBB86-12-11-66-NL

Note: For Secura-Lok™ options, see page F-49.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBB87-27B-11-77-EXP-NL
For 1-1/2" setters, add to price ..... **$ 45.44**
For 2" setters, add to price ..... **$ 50.07**

OPTIONS: Options for 1-1/2" and 2" coppersetters include couplings for adapting FIP to various types of service line material.
Optional high by-pass for use when standard by-pass is difficult to reach.
Options found on page F-37.

Tandem coppersetters are available, meter and PRV lengths are required. Contact factory for pricing.

Contact factory for availability and price for **no-rise coppersetters**.

Contact factory for availability and price for heights not listed.

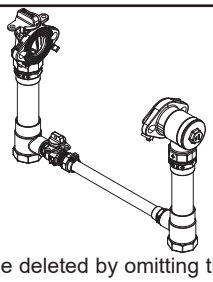
80 SERIES COPPERSETTERS FOR 1-1/2" AND 2" FLANGED METERS

VERTICAL INLET AND VERTICAL OUTLET

UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" COPPERSETTERS WILL BE 13"
2" COPPERSETTERS WILL BE 17"

KEY VALVE INLET AND ANGLE CHECK VALVE OUTLET

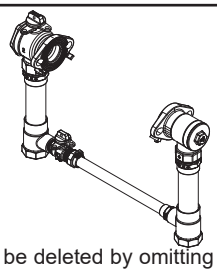
For 1-1/2" Meter				For 2" Meter		
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Catalog Number	Approx. Wt. Lbs.	List Price
12	**VH86-12B-11-66-NL**	21.0	**$ 1943.25**	**VH87-12B-11-77-NL**	25.3	**$ 2283.49**
15	**VH86-15B-11-66-NL**	25.0	**2004.79**	**VH87-15B-11-77-NL**	29.0	**2360.83**
18	**VH86-18B-11-66-NL**	25.0	**2058.70**	**VH87-18B-11-77-NL**	27.3	**2438.35**
21	**VH86-21B-11-66-NL**	26.0	**2121.98**	**VH87-21B-11-77-NL**	30.0	**2525.20**
24	**VH86-24B-11-66-NL**	27.0	**2175.98**	**VH87-24B-11-77-NL**	31.0	**2602.85**
27	**VH86-27B-11-66-NL**	27.0	**2229.78**	**VH87-27B-11-77-NL**	31.0	**2680.28**



Note: 1-1/2" and 2" coppersetters with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting **$ -170.62** from the price. Example: VH86-12-11-66-NL

BALL VALVE INLET AND ANGLE CHECK VALVE OUTLET

For 1-1/2" Meter				For 2" Meter		
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Catalog Number	Approx. Wt. Lbs.	List Price
12	**VBH86-12B-11-66-NL**	22.7	**$ 2108.15**	**VBH87-12B-11-77-NL**	27.3	**$ 2409.13**
15	**VBH86-15B-11-66-NL**	23.3	**2169.62**	**VBH87-15B-11-77-NL**	28.2	**2486.55**
18	**VBH86-18B-11-66-NL**	23.9	**2223.61**	**VBH87-18B-11-77-NL**	29.2	**2564.06**
21	**VBH86-21B-11-66-NL**	26.0	**2286.85**	**VBH87-21B-11-77-NL**	32.0	**2650.88**
24	**VBH86-24B-11-66-NL**	25.2	**2340.71**	**VBH87-24B-11-77-NL**	31.1	**2728.59**
27	**VBH86-27B-11-66-NL**	27.0	**2394.67**	**VBH87-27B-11-77-NL**	34.0	**2806.01**



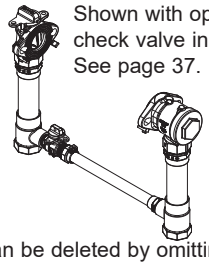
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Note: 1-1/2" and 2" coppersetters with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting **$ -170.62** from the price. Example: VBH86-12-11-66-NL

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBH87-27B-11-77-EXP-NL
For 1-1/2" setters, add to price ..... **$ 45.44**
For 2" setters, add to price ..... **$ 50.07**

KEY VALVE INLET AND ANGLE DUAL CHECK VALVE OUTLET

For 1-1/2" Meter				For 2" Meter		
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Catalog Number	Approx. Wt. Lbs.	List Price
12	**VHH86-12B-11-66-NL**	24.0	**$ 2213.29**	**VHH87-12B-11-77-NL**	29.0	**$ 2380.58**
15	**VHH86-15B-11-66-NL**	25.0	**2274.92**	**VHH87-15B-11-77-NL**	30.0	**2458.07**
18	**VHH86-18B-11-66-NL**	26.0	**2328.76**	**VHH87-18B-11-77-NL**	31.0	**2535.40**
21	**VHH86-21B-11-66-NL**	27.0	**2392.06**	**VHH87-21B-11-77-NL**	32.0	**2622.32**
24	**VHH86-24B-11-66-NL**	28.0	**2445.91**	**VHH87-24B-11-77-NL**	33.0	**2700.01**
27	**VHH86-27B-11-66-NL**	29.0	**2499.88**	**VHH87-27B-11-77-NL**	34.0	**2777.46**

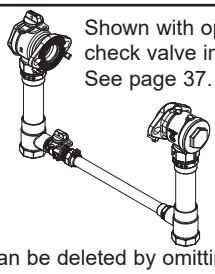


Shown with optional dual check valve in by-pass. See page 37.

Note: 1-1/2" and 2" coppersetters with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting **$ -170.62** from the price. Example: VHH86-12-11-66-NL

BALL VALVE INLET AND ANGLE DUAL CHECK VALVE OUTLET

For 1-1/2" Meter				For 2" Meter		
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Catalog Number	Approx. Wt. Lbs.	List Price
12	**VBHH86-12B-11-66-NL**	25.9	**$ 2378.18**	**VBHH87-12B-11-77-NL**	29.3	**$ 2506.31**
15	**VBHH86-15B-11-66-NL**	27.0	**2439.72**	**VBHH87-15B-11-77-NL**	32.0	**2583.66**
18	**VBHH86-18B-11-66-NL**	27.2	**2493.63**	**VBHH87-18B-11-77-NL**	31.1	**2661.13**
21	**VBHH86-21B-11-66-NL**	28.0	**2556.91**	**VBHH87-21B-11-77-NL**	33.0	**2748.01**
24	**VBHH86-24B-11-66-NL**	28.0	**2610.75**	**VBHH87-24B-11-77-NL**	33.0	**2825.61**
27	**VBHH86-27B-11-66-NL**	29.0	**2664.64**	**VBHH87-27B-11-77-NL**	34.0	**2903.07**



Shown with optional dual check valve in by-pass. See page 37.

Note: 1-1/2" and 2" coppersetters with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting **$ -170.62** from the price. Example: VBHH86-12-11-66-NL

Note: For Secura-Lok™ options, see page F-49.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBHH87-27B-11-77-EXP-NL
For 1-1/2" setters, add to price ..... **$ 45.44**
For 2" setters, add to price ..... **$ 50.07**

OPTIONS: Options for 1-1/2" and 2" coppersetters include couplings for adapting FIP to various types of service line material.
Optional high by-pass for use when standard by-pass is difficult to reach.
Options found on page F-37.

Tandem coppersetters are available, meter and PRV lengths are required. Contact factory for pricing.

Contact factory for availability and price for **no-rise coppersetters**.

Contact factory for availability and price for heights not listed.

COPPERSETTERS FOR 1-1/2" AND 2" FLANGED METERS
OPTIONS AND COMPONENTS

BY-PASS AND TEST PORT OPTIONS

1-1/2" and 2" coppersetters 12" and higher are available with an optional "high by-pass". Add below prices to coppersetters with a standard by-pass.

For 1-1/2" coppersetter, add to price . . . . . **$ 795.69**
For 2" coppersetter, add to price . . . . . **$ 842.16**

To order, add "HB" following the height in the catalog number.
Example: VV86-18HB-11-66-NL

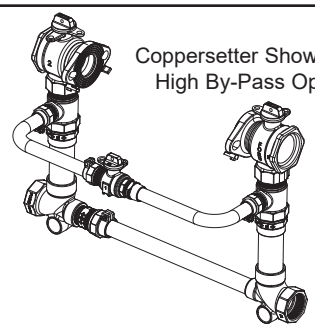
To order by-pass with cartridge style dual check valve
insert "HC" into catalog number. Add to price . . . . **$ 451.15**
Example: VBHH77-12BHC-11-77-NL for standard by-pass with dual check valve
Example: VBHH77-18HBHC-11-77-NL for high by-pass with dual check valve

Cartridge check valve in by-pass option requires high by-pass for 1-1/2" and 2" 46 and 47 Resetter Series. Example: VBHH47HBHC-11-77-NL

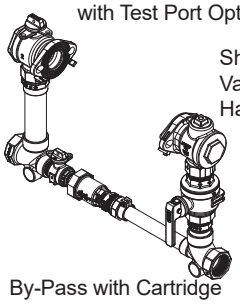
Test Port option: 1-1/2" and 2" coppersetters 14" and higher (18" or higher with a high by-pass) are available with a test port option. This includes a 1-1/2" FIP test port with plug in the top of the dual check valve and a shut-off ball valve with handle in the outlet leg.

For 1-1/2" coppersetter, add to price . . . . . **$ 609.90**
For 2" coppersetter, add to price . . . . . **$ 766.81**

To order test port option on coppersetters (with dual check valve) insert "-TP6" into the catalog number. Example: VBHH77-18B-11-77-TP6-NL



Coppersetter Shown with High By-Pass Option



Angle Dual Check Valve with Test Port Option

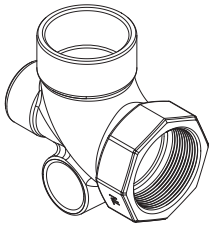
Shut-off Valve with Handle

By-Pass with Cartridge Dual Check Valve

F

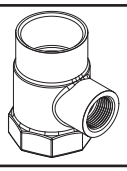
1-1/2" AND 2" 70 SERIES COPPERSETTER TEES

Catalog Number	Description	List Price
CSTEE-6-T-CR-NL	1-1/2" Horizontal Inlet Coppersetter Tee	**$ 173.08**
CSTEE-7-T-CR-NL	2" Horizontal Inlet Coppersetter Tee	**250.08**
CSTEE-6B-T-CR-NL	1-1/2" Horizontal Inlet Coppersetter Tee for By-Pass	**173.08**
CSTEE-7B-T-CR-NL	2" Horizontal Inlet Coppersetter Tee for By-Pass	**250.08**
❍ **CSTEE-6-S-CR-NL**	1-1/2" Horizontal Outlet Coppersetter Tee	**161.70**
❍ **CSTEE-7-S-CR-NL**	2" Horizontal Outlet Coppersetter Tee	**229.04**
❍ **CSTEE-6B-S-CR-NL**	1-1/2" Horizontal Outlet Coppersetter Tee for By-Pass	**161.70**
❍ **CSTEE-7B-S-CR-NL**	2" Horizontal Outlet Coppersetter Tee for By-Pass	**229.04**



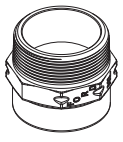
1-1/2" AND 2" 80 SERIES COPPERSETTER TEES

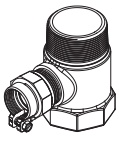
Catalog Number	Description	List Price
❍ **T1S1-664-CR-NL**	1-1/2" Vertical Inlet/Outlet Coppersetter Tee for By-Pass	**$ 167.53**
❍ **T1S1-774-CR-NL**	2" Vertical Inlet/Outlet Coppersetter Tee for By-Pass	**192.49**



1-1/2" AND 2" COPPERSETTER BUSHINGS AND HIGH BY-PASS TEES

Catalog Number	Description	List Price
CS8-66-CR-NL	1-1/2" Solder Valve Bushing for 1-1/2" Copper	**$ 65.59**
CS8-77-CR-NL	2" Solder Valve Bushing for 2" Copper	**65.59**
T184-664-NL	High By-Pass Tee for 1-1/2" Coppersetter	**191.58**
T184-774-NL	High By-Pass Tee for 2" Coppersetter	**213.45**





Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

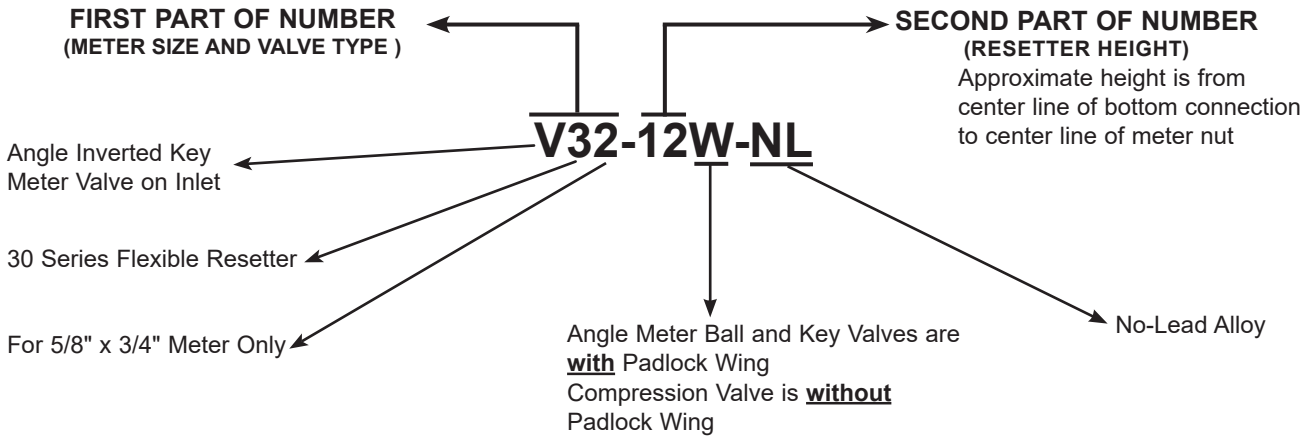
OPTIONAL COUPLINGS

1-1/2" and 2" coppersetters with FIP only end connections can be connected to other types of service lines by use of the couplings listed in section J.

❍ **Attention:** Special solder and procedures are required for best results. Contact factory or see website for installation instructions.

THE FORD 30 SERIES FLEXIBLE RESETTER

Example of Catalog Number for a 30 Series Flexible Resetter



The description for the above catalog number reads: 30 Series Flexible Resetter for 5/8" x 3/4" meter with angle inverted key meter valve on inlet, 12" high.

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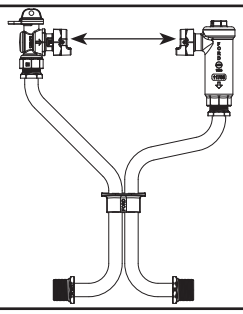
TO ORDER: Select one catalog number component from the charts on pages 39 and 40 to arrive at the complete Flexible Resetter catalog number. Selection order of components:

Step 1. Meter size and valve type . . . . . page 39
Step 2. Flexible Resetter height . . . . . page 40

Note: Combine the appropriate weights from this page and the following page to determine the complete coppersetter weight.

30 series resetters are supplied with rubber gaskets for installing resetter and rubber meter gaskets for meter. To order gaskets only, see section H.

STEP 1. METER SIZE AND VALVE TYPE - (FIRST PART OF CATALOG NUMBER)



31, 32 AND 33 SERIES RESETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS

Catalog Number (Meter Size and Valve Type)			Description		List Price
5/8"	5/8" x 3/4"	3/4"	Inlet Valve	Outlet Valve	
31	**32**	**33**	None	None	-
V31	**V32**	**V33**	Key	None	**$ 74.49**
VB31	**VB32**	**VB33**	Ball	None	**90.49**
VBB31* **	**VBB32*** **	**VBB33**	Ball	Ball	**180.96**
VVG31*	**VVG32***	**VVG33***	Key	Compression	**169.67**
VV31	**VV32**	**VV33**	Key	Key	**148.90**
VH31	**VH32**	**VH33**	Key	Single Check	**156.61**
VHH31	**VHH32**	**VHH33**	Key	● Cascading Dual Check	**225.33**
VHC31**	**VHC32****	**VHC33****	Key	● Cartridge Dual Check	**240.01**
VBG31*	**VBG32***	**VBG33***	Ball	Compression	**185.61**
VBH31	**VBH32**	**VBH33**	Ball	Single Check	**172.66**
VBHH31	**VBHH32**	**VBHH33**	Ball	● Cascading Dual Check	**241.36**
VBHC31**	**VBHC32****	**VBHC33****	Ball	● Cartridge Dual Check	**255.90**

* Compression valve does not have padlock wing.

** 15" minimum height for 31, 32 and 33 series resetters with cartridge dual check valve.

*** 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.

● Dual check valves with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code.
Example: VBHCCR33-15W-NL. Add to price for cartridge style . . . . . **$ 39.02**
Add to price for cascading style . . . . . **$ 19.04**

Note: For Secura-Lok™ options, see page F-49.

Note: Combine the appropriate weights from this page and the following page to determine the total resetter weight.

34 SERIES RESETTERS FOR 1" METERS

Catalog Number (Meter Type) for 1"	Description		List Price
	Inlet Valve	Outlet Valve	
34	None	None	-
V34	Key	None	**$ 114.20**
VB34	Ball	None	**181.62**
VBB34	Ball	Ball	**363.21**
VVG34*	Key	Compression	**266.34**
VV34	Key	Key	**228.27**
VH34	Key	Single Check	**212.88**
VHH34	Key	●∆Cascading Dual Check	**270.97**
VHC34**	Key	● Cartridge Dual Check	**401.24**
VBG34*	Ball	Compression	**333.76**
VBH34	Ball	Single Check	**280.35**
VBHH34	Ball	●∆Cascading Dual Check	**338.46**
VBHC34**	Ball	● Cartridge Dual Check	**468.73**

* Compression valve does not have padlock wing.

** 18" minimum height for 34 series resetters with cartridge dual check valve.

● Dual check valves with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code.
Example: VBHCCR34-15W-NL. Add to price for cartridge style . . . . . **$ 49.47**
Add to price for cascading style . . . . . **$ 19.04**

∆ 1" angle cascading dual check valves contain 3/4" internal components.

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" prior to the "-NL" at the end of catalog number and contact the factory for pricing.

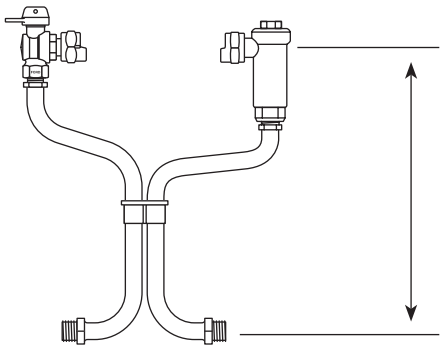
Note: For Secura-Lok™ options, see page F-49.

Note: Combine the appropriate weights from this page and the following page to determine the total resetter weight.

METER VALVE OPTIONS FOR 30 SERIES RESETTERS

Seal wire hole in inlet valve, add to price . . . . . **$ 1.79**
Seal wire hole in check valve cap, add to price . . . . . **$ 3.59**

STEP 2. APPROXIMATE HEIGHT - (SECOND PART OF CATALOG NUMBER)



31 SERIES FLEXIBLE RESETTER FOR 5/8" METERS

Catalog Number	Resetter Height (In.)	Std. Pkg. Qty.	Add To Price
12W-NL	12	10	**$ 175.15**
15W-NL	15	7	**182.21**
18W-NL	18	6	**205.32**
21W-NL	21	6	**218.38**
24W-NL	24	6	**228.90**

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32 SERIES FLEXIBLE RESETTER FOR 5/8" X 3/4" METERS

Catalog Number	Resetter Height (In.)	Std. Pkg. Qty.	Add To Price
12W-NL	12	10	**$ 190.48**
15W-NL	15	7	**197.51**
18W-NL	18	6	**220.73**
21W-NL	21	6	**233.82**
24W-NL	24	6	**244.25**

33 SERIES FLEXIBLE RESETTER FOR 3/4" METERS

Catalog Number	Resetter Height (In.)	Std. Pkg. Qty.	Add To Price
12W-NL	12	5	**$ 236.77**
15W-NL	15	5	**252.10**
18W-NL	18	4	**270.67**
21W-NL	21	4	**284.67**
24W-NL	24	4	**299.38**

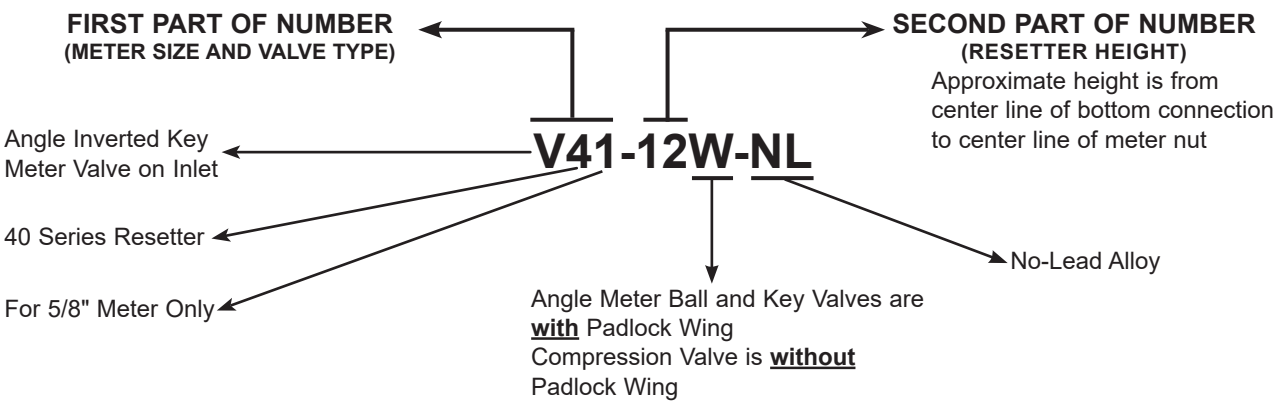
34 SERIES FLEXIBLE RESETTER FOR 1" METERS

Catalog Number	Resetter Height (In.)	Std. Pkg. Qty.	Add To Price
15W-NL	15	4	**$ 377.25**
18W-NL	18	4	**419.33**
21W-NL	21	4	**445.64**
24W-NL	24	4	**461.28**

THE FORD 40 SERIES RESETTER

(for installing meters in existing service lines when meter swivel nuts are available)

Example of Catalog Number for a 40 Series Resetter



The description for the above catalog number reads: 40 series resetter for 5/8" meter with an angle inverted key meter valve on the inlet, 12" high.

TO ORDER: Select one catalog number component from the charts on pages 42 and 43 to arrive at the complete resetter catalog number. Selection order of components:

Step 1. Meter size and valve type ..... page 42
Step 2. Resetter height ..... page 43

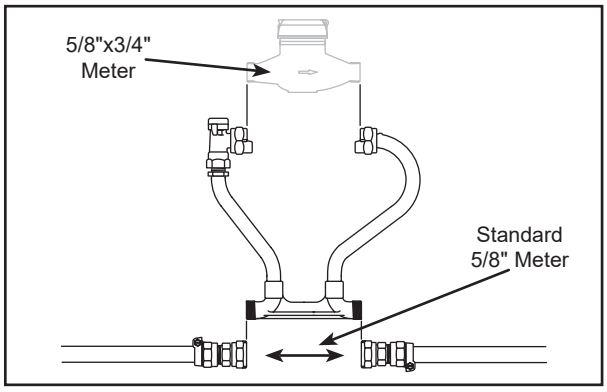
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NOTES:

1. All valve type setters are standard with padlock wings.
2. All solder joints for Ford meter setters are made with lead-free solder.
3. All 40 series resetters are supplied with rubber meter gaskets and resetter gaskets.
4. Gaskets for Ford meter setters are priced in section H.

CHANGE-OVER RESETTER

The change-over resetter has a 5/8" bottom bar and 5/8" x 3/4" meter coupling nuts with no additional cost. This allows raising a low-lying meter into a raised position, while also converting the meter size.
To order: Place a “-B1” in the catalog number. Example: V42-7W-B1-NL



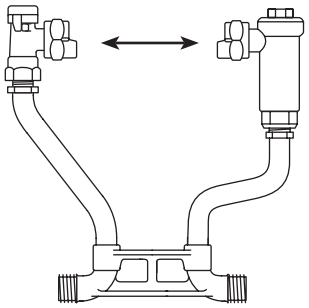
Change-over resetters for various meter sizes are available P.O.A.

40 series resetters are supplied with rubber gaskets for installing resetter and rubber meter gaskets for meter. To order gaskets only, see section H.

Tandem resetters are available. Refer to page 24 for additional pricing.

THE FORD 40 SERIES RESETTER

STEP 1. METER SIZE AND VALVE TYPE - (FIRST PART OF CATALOG NUMBER)



41, 42 AND 43 SERIES RESETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS

Catalog No. (Meter Size and Valve Type)			Description		List Price
5/8"	5/8" x 3/4"	3/4"	Inlet Valve	Outlet Valve	
41	**42**	**43**	None	None	-
V41	**V42**	**V43**	Key	None	**$ 74.49**
VB41	**VB42**	**VB43**	Ball	None	**90.49**
VBB41***	**VBB42*****	**VBB43**	Ball	Ball	**180.96**
VVG41*	**VVG42***	**VVG43***	Key	Compression	**169.67**
VV41	**VV42**	**VV43**	Key	Key	**148.90**
VH41	**VH42**	**VH43**	Key	Single Check	**156.61**
VHH41	**VHH42**	**VHH43**	Key	●Cascading Dual Check	**225.33**
VHC41**	**VHC42****	**VHC43****	Key	●Cartridge Dual Check	**240.01**
VBG41*	**VBG42***	**VBG43***	Ball	Compression	**185.61**
VBH41	**VBH42**	**VBH43**	Ball	Single Check	**172.66**
VBHH41	**VBHH42**	**VBHH43**	Ball	●Cascading Dual Check	**241.36**
VBHC41**	**VBHC42****	**VBHC43****	Ball	●Cartridge Dual Check	**255.90**

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* Compression valve does not have padlock wing.

** 9" minimum height for 41 and 42 series resetters and 12" minimum height for 43 series resetters with cartridge dual check valve.

*** 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.

● Dual check valves with enhanced chlorine / chloramine resistance are available. Add “CR” to end of alpha code.
Example: VBHCCR43-15W-NL. Add to price for cartridge style . . . . . **$ 39.02**
Add to price for cascading style . . . . . **$ 19.04**

Note: For Secura-Lok™ options, see page F-49.

44 SERIES RESETTER FOR 1" METERS

Catalog Number (Meter Size and Valve Type) for 1"	Description		List Price
	Inlet Valve	Outlet Valve	
44	None	None	-
V44	Key	None	**$ 114.20**
VB44	Ball	None	**181.62**
VBB44	Ball	Ball	**363.21**
VVG44*	Key	Compression	**266.34**
VV44	Key	Key	**228.27**
VH44	Key	Single Check	**212.88**
VHH44	Key	●▼Cascading Dual Check	**270.97**
VHC44**	Key	● Cartridge Dual Check	**401.24**
VBG44*	Ball	Compression	**333.76**
VBH44	Ball	Single Check	**280.35**
VBHH44	Ball	●▼Cascading Dual Check	**338.46**
VBHC44**	Ball	● Cartridge Dual Check	**468.73**

* Compression valve does not have padlock wing.

** 12" minimum height for 44 series resetter with cartridge dual check valve.

● Dual check valves with enhanced chlorine / chloramine resistance are available. Add “CR” to end of alpha code.
Example: VBHCCR44-15W-NL. Add to price for cartridge style . . . . . **$ 49.47**
Add to price for cascading style . . . . . **$ 19.04**

▼ 1" angle cascading dual check valves contain 3/4" internal components.

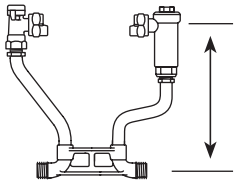
Note: 5/8" x 3/4", 3/4", and 1" setters with angle ball valve will have a reduced port that usually provides suitable water flow. A full port ball valve is available at an additional cost; add “-FP” prior to the “-NL” at the end of catalog number and contact the factory for pricing.

Note: For Secura-Lok™ options, see page F-49.

METER VALVE OPTIONS FOR 40 SERIES RESETTERS

Seal wire hole in inlet valve, add to price . . . . . **$ 1.79**
Seal wire hole in check valve cap, add to price . . . . . **$ 3.59**

STEP 2. APPROXIMATE HEIGHT - (SECOND PART OF CATALOG NUMBER)



41 SERIES RESETTER FOR 5/8" METERS

Catalog Number	Resetter Height (In.)	Add to Price
7W-NL	7	**$ 131.53**
9W-NL	9	**134.29**
12W-NL	12	**141.93**
15W-NL	15	**151.51**
18W-NL	18	**183.84**
21W-NL	21	**192.91**
24W-NL	24	**202.87**
27W-NL	27	**214.36**
30W-NL	30	**224.11**

42 SERIES RESETTER FOR 5/8" X 3/4" METERS

Catalog Number	Resetter Height (In.)	Add to Price
7W-NL	7	**$ 140.30**
9W-NL	9	**142.97**
12W-NL	12	**150.62**
15W-NL	15	**160.09**
18W-NL	18	**192.82**
21W-NL	21	**201.84**
24W-NL	24	**211.74**
27W-NL	27	**223.52**
30W-NL	30	**233.06**

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43 SERIES RESETTER FOR 3/4" METERS

Catalog Number	Resetter Height (In.)	Add to Price
8W-NL	8	**$ 192.24**
12W-NL	12	**200.12**
15W-NL	15	**210.84**
18W-NL	18	**247.50**
21W-NL	21	**274.11**
24W-NL	24	**285.60**
27W-NL	27	**298.24**
30W-NL	30	**311.70**

44 SERIES RESETTER FOR 1" METERS

Catalog Number	Resetter Height (In.)	Add to Price
10W-NL	10	**$ 295.93**
12W-NL	12	**305.66**
15W-NL	15	**317.39**
18W-NL	18	**387.01**
21W-NL	21	**412.37**
24W-NL	24	**430.86**
27W-NL	27	**450.46**
30W-NL	30	**471.57**

HEIGHT OPTIONS FOR 40 SERIES RESETTERS

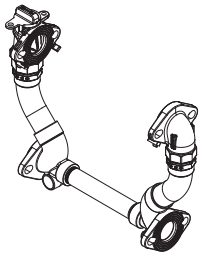
RESETTERS OVER 30" CAN BE ORDERED IN 3" INCREMENTS. INDICATE THE HEIGHT REQUIRED IN THE SECOND PART OF THE PART NUMBER. FOR EACH ADDITIONAL 3" IN HEIGHT, ADD TO PRICE:

For 5/8" (V41) resetters. . . . . **$ 7.89**
For 5/8" x 3/4" (V42) resetters . . . . . **$ 7.89**
For 3/4" (V43) resetters. . . . . **$ 10.88**
For 1" (V44) resetters . . . . . **$ 12.68**

RESETTERS FOR FLANGED METERS - (WITHOUT BY-PASS)

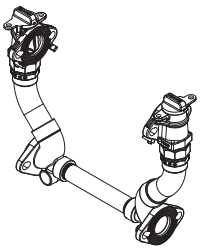
UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" RESETTERS WILL BE 13"
2" RESETTERS WILL BE 17"

RESETTER WITHOUT BY-PASS
FLANGED KEY VALVE ON INLET AND FLANGED ELL ON OUTLET



For 1-1/2" Meter				For 2" Meter			
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price
13	**V46-13-NL**	25.5	**$ 2348.60**	12	**V47-12-NL**	31.9	**$ 2650.74**
15	**V46-15-NL**	25.5	**2348.60**	14	**V47-14-NL**	31.9	**2650.74**
18	**V46-18-NL**	25.5	**2406.34**	18	**V47-18-NL**	31.9	**2650.74**
24	**V46-24-NL**	26.8	**2543.11**	24	**V47-24-NL**	34.4	**2811.00**
27	**V46-27-NL**	26.0	**2605.99**	27	**V47-27-NL**	35.4	**2888.38**

RESETTER WITHOUT BY-PASS
**FLANGED KEY VALVE ON INLET AND OUTLET

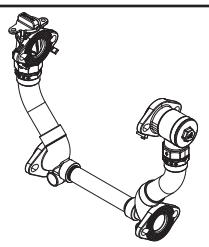


For 1-1/2" Meter				For 2" Meter			
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price
13	**VV46-13-NL**	25.5	**$ 2508.78**	12	**VV47-12-NL**	35.2	**$ 2858.18**
15	**VV46-15-NL**	25.5	**2508.78**	14	**VV47-14-NL**	35.2	**2858.18**
18	**VV46-18-NL**	25.5	**2566.51**	18	**VV47-18-NL**	35.2	**2858.18**
24	**VV46-24-NL**	26.8	**2703.27**	24	**VV47-24-NL**	37.7	**3018.44**
27	**VV46-27-NL**	29.0	**2766.19**	27	**VV47-27-NL**	39.0	**3095.90**

****** 1-1/2" and 2" outlet ball valves may be used as a customer shut-off (on customer side of the meter). The flange inverted key angle valves should **not** be used as a customer shut-off on the customer side of the meter.

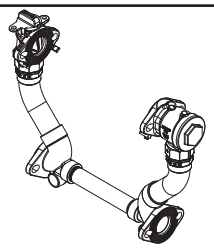
F

RESETTER WITHOUT BY-PASS
FLANGED KEY VALVE ON INLET AND ANGLE CHECK VALVE ON OUTLET



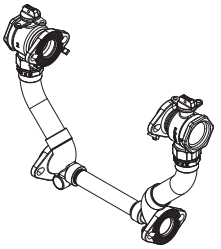
For 1-1/2" Meter				For 2" Meter			
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price
13	**VH46-13-NL**	25.1	**$ 2556.91**	13	**VH47-13-NL**	34.0	**$ 2901.16**
15	**VH46-15-NL**	25.1	**2556.91**	16	**VH47-16-NL**	34.0	**2901.16**
18	**VH46-18-NL**	25.1	**2614.53**	18	**VH47-18-NL**	34.0	**2901.16**
24	**VH46-24-NL**	26.3	**2751.27**	24	**VH47-24-NL**	36.5	**3061.47**
27	**VH46-27-NL**	29.0	**2814.24**	27	**VH47-27-NL**	39.0	**3138.93**

RESETTER WITHOUT BY-PASS
FLANGED KEY VALVE ON INLET AND ANGLE DUAL CHECK VALVE ON OUTLET



For 1-1/2" Meter				For 2" Meter			
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price
13	**VHH46-13-NL**	28.0	**$ 2826.85**	13	**VHH47-13-NL**	36.0	**$ 2998.40**
15	**VHH46-15-NL**	28.0	**2826.85**	16	**VHH47-16-NL**	37.0	**2998.40**
18	**VHH46-18-NL**	29.0	**2884.57**	18	**VHH47-18-NL**	36.0	**2998.40**
24	**VHH46-24-NL**	30.0	**3021.42**	24	**VHH47-24-NL**	39.0	**3159.67**
27	**VHH46-27-NL**	31.0	**3084.29**	27	**VHH47-27-NL**	39.4	**3235.99**

RESETTER WITHOUT BY-PASS
FLANGED BALL VALVE ON INLET AND OUTLET



For 1-1/2" Meter				For 2" Meter			
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price
14	**VBB46-14-NL**	28.6	**$ 2838.50**	14	**VBB47-14-NL**	39.0	**$ 3109.20**
16	**VBB46-16-NL**	29.0	**2838.50**	16	**VBB47-16-NL**	39.0	**3109.20**
18	**VBB46-18-NL**	28.6	**2896.18**	18	**VBB47-18-NL**	39.0	**3109.20**
24	**VBB46-24-NL**	29.8	**3032.97**	24	**VBB47-24-NL**	41.0	**3269.47**
27	**VBB46-27-NL**	30.5	**3095.90**	27	**VBB47-27-NL**	42.3	**3347.00**

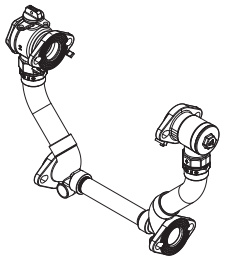
Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBB47-27-EXP-NL
For 1-1/2" setters, add to price ..... **$ 45.44**
For 2" setters, add to price ..... **$ 50.07**

Note: For Secura-Lok™ options, see page F-49.

RESETTERS FOR FLANGED METERS - (WITHOUT BY-PASS) - *CONTINUED*

UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" RESETTERS WILL BE 13"
2" RESETTERS WILL BE 17"

RESETTER WITHOUT BY-PASS
FLANGED BALL VALVE ON INLET AND ANGLE CHECK VALVE ON OUTLET

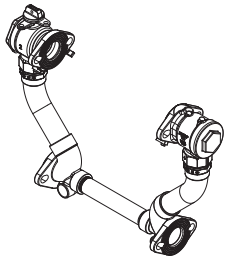


For 1-1/2" Meter				For 2" Meter			
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price
14	**VBH46-14-NL**	26.6	**$ 2721.64**	14	**VBH47-14-NL**	35.8	**$ 3026.69**
16	**VBH46-16-NL**	26.6	**2721.64**	16	**VBH47-16-NL**	35.8	**3026.69**
18	**VBH46-18-NL**	26.6	**2779.38**	18	**VBH47-18-NL**	35.8	**3026.69**
24	**VBH46-24-NL**	27.9	**2916.17**	24	**VBH47-24-NL**	38.3	**3186.95**
27	**VBH46-27-NL**	28.6	**2979.06**	27	**VBH47-27-NL**	39.3	**3264.36**

Note: For Secura-Lok™ options, see page F-49.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBH47-27-EXP-NL
For 1-1/2" setters, add to price ..... **$ 45.44**
For 2" setters, add to price ..... **$ 50.07**

RESETTER WITHOUT BY-PASS
FLANGED BALL VALVE ON INLET AND ANGLE DUAL CHECK VALVE ON OUTLET



For 1-1/2" Meter				For 2" Meter			
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price
14	**VBHH46-14-NL**	30.0	**$ 2991.76**	14	**VBHH47-14-NL**	37.8	**$ 3123.87**
16	**VBHH46-16-NL**	30.0	**2991.76**	16	**VBHH47-16-NL**	37.8	**3123.87**
18	**VBHH46-18-NL**	29.8	**3049.41**	18	**VBHH47-18-NL**	37.8	**3123.87**
24	**VBHH46-24-NL**	32.0	**3186.23**	24	**VBHH47-24-NL**	40.3	**3284.10**
27	**VBHH46-27-NL**	33.0	**3249.13**	27	**VBHH47-27-NL**	42.0	**3361.61**

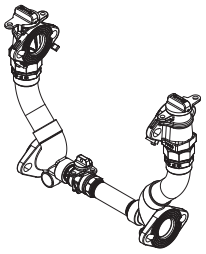
Note: For Secura-Lok™ options, see page F-49.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBHH47-27-EXP-NL
For 1-1/2" setters, add to price ..... **$ 45.44**
For 2" setters, add to price ..... **$ 50.07**

RESETTERS FOR FLANGED METERS - (WITH BY-PASS)

UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" RESETTERS WILL BE 13"
2" RESETTERS WILL BE 17"

RESETTER WITH BY-PASS
**FLANGED KEY VALVE ON INLET AND OUTLET



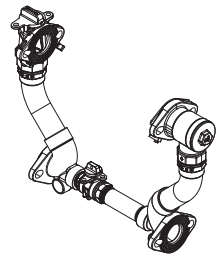
For 1-1/2" Meter				For 2" Meter			
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price
13	**VV46-13B-NL**	27.8	**$ 2679.36**	12	**VV47-12B-NL**	37.0	**$ 3028.74**
15	**VV46-15B-NL**	30.0	**2679.36**	14	**VV47-14B-NL**	37.0	**3028.74**
18	**VV46-18B-NL**	27.8	**2737.10**	18	**VV47-18B-NL**	36.9	**3028.74**
24	**VV46-24B-NL**	32.0	**2873.84**	24	**VV47-24B-NL**	39.0	**3189.08**
27	**VV46-27B-NL**	33.0	**2936.81**	27	**VV47-27B-NL**	40.0	**3266.52**

**** 1-1/2" and 2" outlet ball valves may be used as a customer shut-off (on customer side of the meter). The flange inverted key angle valves should **not** be used as a customer shut-off on the customer side of the meter.

RESETTERS FOR FLANGED METERS - (WITH BY-PASS) - *CONTINUED*

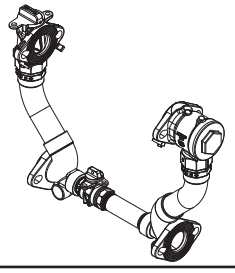
UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" RESETTERS WILL BE 13"
2" RESETTERS WILL BE 17"

RESETTER WITH BY-PASS
FLANGED KEY VALVE ON INLET AND ANGLE CHECK VALVE ON OUTLET



For 1-1/2" Meter				For 2" Meter			
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price
13	**VH46-13B-NL**	27.3	**$ 2727.52**	13	**VH47-13B-NL**	35.7	**$ 3071.80**
15	**VH46-15B-NL**	29.0	**2727.52**	16	**VH47-16B-NL**	35.7	**3071.80**
18	**VH46-18B-NL**	27.3	**2785.14**	18	**VH47-18B-NL**	35.7	**3071.80**
24	**VH46-24B-NL**	30.0	**2921.98**	24	**VH47-24B-NL**	40.0	**3232.04**
27	**VH46-27B-NL**	31.0	**2984.77**	27	**VH47-27B-NL**	41.0	**3309.45**

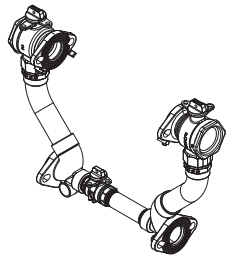
RESETTER WITH BY-PASS
FLANGED KEY VALVE ON INLET AND ANGLE DUAL CHECK VALVE ON OUTLET



For 1-1/2" Meter				For 2" Meter			
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price
13	**VHH46-13B-NL**	31.0	**$ 2997.49**	13	**VHH47-13B-NL**	38.0	**$ 3168.94**
15	**VHH46-15B-NL**	31.0	**2997.49**	16	**VHH47-16B-NL**	38.0	**3168.94**
18	**VHH46-18B-NL**	30.8	**3055.22**	18	**VHH47-18B-NL**	37.7	**3168.94**
24	**VHH46-24B-NL**	32.0	**3192.00**	24	**VHH47-24B-NL**	40.0	**3330.26**
27	**VHH46-27B-NL**	33.0	**3254.93**	27	**VHH47-27B-NL**	42.0	**3406.65**

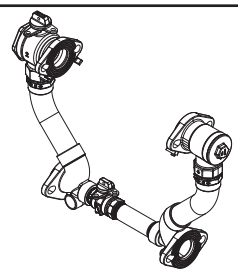
F

RESETTER WITH BY-PASS
FLANGED BALL VALVE ON INLET AND OUTLET



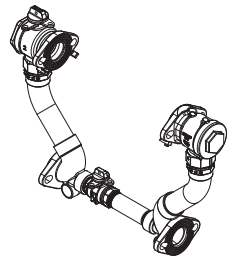
For 1-1/2" Meter				For 2" Meter			
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price
14	**VBB46-14B-NL**	30.8	**$ 3009.05**	14	**VBB47-14B-NL**	40.5	**$ 3279.77**
16	**VBB46-16B-NL**	30.8	**3009.05**	16	**VBB47-16B-NL**	41.6	**3279.77**
18	**VBB46-18B-NL**	30.8	**3066.82**	18	**VBB47-18B-NL**	40.5	**3279.77**
24	**VBB46-24B-NL**	32.0	**3203.49**	24	**VBB47-24B-NL**	43.1	**3440.08**
27	**VBB46-27B-NL**	33.1	**3266.44**	27	**VBB47-27B-NL**	44.0	**3517.48**

RESETTER WITH BY-PASS
FLANGED BALL VALVE ON INLET AND ANGLE CHECK VALVE ON OUTLET



For 1-1/2" Meter				For 2" Meter			
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price
14	**VBH46-14B-NL**	28.8	**$ 2892.28**	14	**VBH47-14B-NL**	37.5	**$ 3197.25**
16	**VBH46-16B-NL**	30.0	**2892.28**	16	**VBH47-16B-NL**	41.0	**3197.25**
18	**VBH46-18B-NL**	28.8	**2950.03**	18	**VBH47-18B-NL**	37.5	**3197.25**
24	**VBH46-24B-NL**	30.1	**3086.78**	24	**VBH47-24B-NL**	40.0	**3357.58**
27	**VBH46-27B-NL**	30.8	**3149.70**	27	**VBH47-27B-NL**	40.9	**3435.05**

RESETTER WITH BY-PASS
FLANGED BALL VALVE ON INLET AND ANGLE DUAL CHECK VALVE ON OUTLET



For 1-1/2" Meter				For 2" Meter			
Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	Height (In.)	Catalog Number	Approx. Wt. Lbs.	List Price
14	**VBHH46-14B-NL**	32.0	**$ 3162.32**	14	**VBHH47-14B-NL**	39.5	**$ 3294.39**
16	**VBHH46-16B-NL**	32.0	**3162.32**	16	**VBHH47-16B-NL**	39.5	**3294.39**
18	**VBHH46-18B-NL**	32.0	**3220.12**	18	**VBHH47-18B-NL**	39.5	**3294.39**
24	**VBHH46-24B-NL**	33.0	**3356.78**	24	**VBHH47-24B-NL**	42.0	**3454.64**
27	**VBHH46-27B-NL**	34.0	**3419.81**	27	**VBHH47-27B-NL**	43.0	**3532.20**

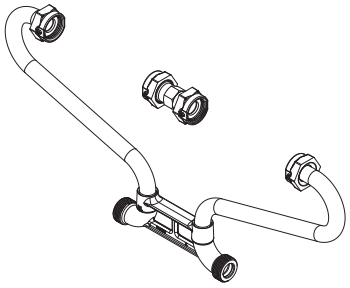
Note: For Secura-Lok™ options, see page F-49.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VH47-27B-EXP-NL
For 1-1/2" setters, add to price ..... **$ 45.44**
For 2" setters, add to price ..... **$ 50.07**

THE FORD TYPE A AND TYPE B TANDEM RESETTERS

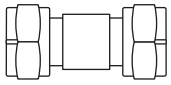
Prices shown are for tandem resetters holding two meters in series. If pressure regulator or other device is to be used instead of one meter, special adapters are necessary. Contact factory for more information and prices.

TYPE A
(double end connection is included)



Catalog Number	Meter Size	List Price
RESETTER-1A-NL	5/8"	**$ 417.42**
RESETTER-2A-NL	5/8" x 3/4"	**437.30**
RESETTER-3A-NL	3/4"	**736.71**
RESETTER-4A-NL	1"	**903.44**

DOUBLE END CONNECTION ONLY
(meter swivel nut on both ends)

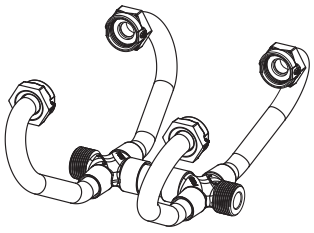


Catalog Number	Meter Size	List Price
DEC-1-NL	5/8"	**$ 34.67**
DEC-2-NL	5/8" x 3/4" and 3/4"	**37.76**
* **DEC-4-AWT-NL**	1"	**89.27**

* Consists of two components assembled watertight.

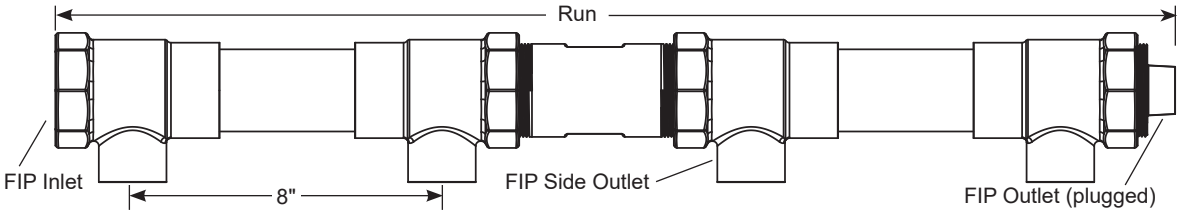
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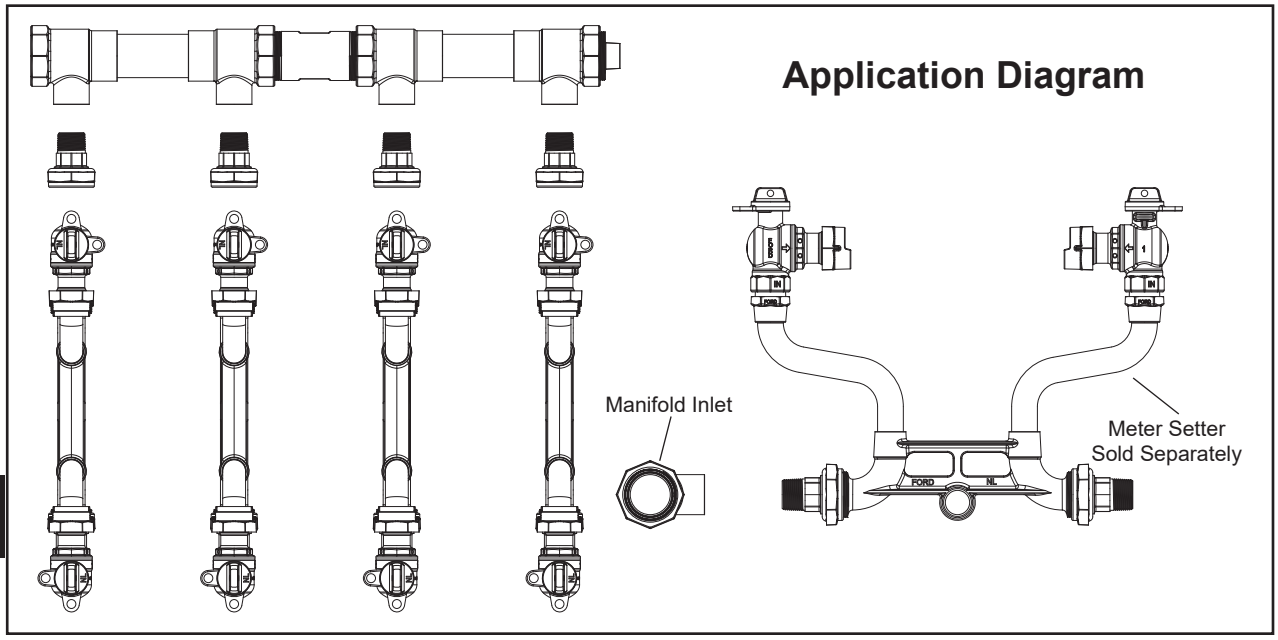
TYPE B



Catalog Number	Meter Size	List Price
RESETTER-1B-NL	5/8"	**$ 503.53**
RESETTER-2B-NL	5/8" x 3/4"	**523.72**
RESETTER-3B-NL	3/4"	**584.30**
RESETTER-4B-NL	1"	**730.27**

METERING MANIFOLDS



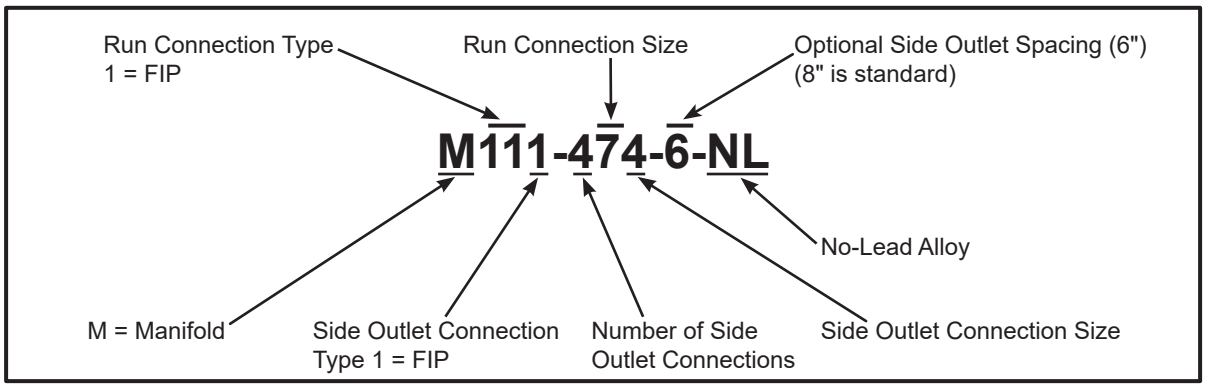


F

Used to install a series of meter setters in a central location, Ford Metering Manifolds offer uniform support for various styles and quantities of meter setters. Available with either a 1-1/2" or 2" diameter run, the side outlets have 1" female iron pipe threads for connecting meter setters with a 1" male iron pipe threaded swivel connection. Side outlets are spaced 8" on center as standard. The run outlet is plugged. Ford recommends attaching a valve (price book section G, ordered separately) to the manifold inlet. Meter setters are listed in this price book section F and must be ordered separately. (Shipped unassembled.)

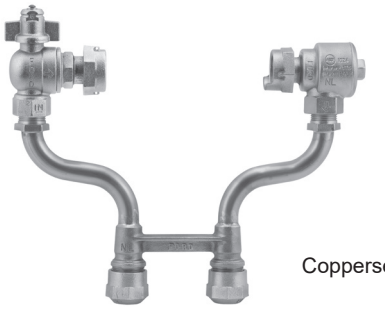
Catalog Number	Number of Side Outlets	FIP Inlet, Plugged FIP Outlet	FIP Side Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
M111-464-NL	4	1-1/2"	1"	11.4	-	**$ 1008.01**
M111-564-NL	5	1-1/2"	1"	14.7	-	**1312.65**
M111-574-NL	5	2"	1"	17.6	-	**1456.64**
M111-674-NL	6	2"	1"	21.6	-	**1717.31**
M111-774-NL	7	2"	1"	25.4	-	**2047.24**
M111-874-NL	8	2"	1"	29.3	-	**2187.42**

Manifold Number System



How to Order Secura-Lok

Ford Secura-Lok™ valves feature integral locking tee-heads to secure a valve in the desired setting. Secura-Lok is available on 5/8" to 2" straight ball valves and 5/8" to 1" and 1-1/2" to 2" angle ball valves. To order, add the appropriate code to the catalog number.



(PATENT PENDING)

Coppersetter with inlet Secura-Lok Valve
(barrel lock style)

To order Secura-Lok valves on Coppersetters:

Catalog Number	Description	Example	Price
SB1	Barrel-style Secura-Lok on inlet valve only	VB74-15SB1-44-66-NL	**$ 53.96**
SB2	Barrel-style Secura-Lok on inlet and outlet valves	VBB94-18SB2-44-33-NL	**107.92**
SB3	Barrel-style Secura-Lok on inlet, outlet and by-pass valves	VBB77-12BHC-11-77-SB3-NL	**161.88**
SB4	Barrel-style Secura-Lok on by-pass valve only	VBHH76-18HBHC-11-66-SB4-NL	**53.90**
SB5	Barrel-style Secura-Lok™ on inlet and by-pass valves	VB77-15B-44-77-SBS	**107.92**
SB6	Barrel-style Secura-Lok on outlet valve only	VBB94-18SB6-44-33-NL	**53.96**

Note: Due to the wide variety of coppersetter configurations, please contact customer service for a specific part number.

Secura-Lok Options and Accessories

Catalog Number	Description	Price
KEY-567-SLB	Barrel Lock Key (1-1/2" - 2" valves)	**$ 264.62**
KEY-234-SLB	Barrel Lock Key (5/8" - 1" valves)	**178.34**
PLUG-234-SLB	Plastic Protective Barrel Lock Plug (5/8"-1")	**1.67**
PLUG-567-SLB	Plastic Protective Barrel Lock Plug (1-1/2"-2")	**1.74**



KEY-234-SLB



KEY-567-SLB



PLUG-567-SLB



PLUG-234-SLB

How to Order Adjustable S-Tube for Tandem Settings

Ford's patent-pending adjustable S-tube is designed to simplify tandem setter installations. This innovative fitting adjusts up to 2" to accommodate a wide variety of pressure reducing valves (PRVs) or other devices in tandem applications.

(PATENT PENDING)



The ST-2-EXP-NL can be ordered separately for retrofit projects or specified on new tandem setter assemblies.

To order a tandem setter or pitsetter with the ST-2-EXP-NL in place of the standard S-tube, add "-AS" to the part number. Examples: TVBHH92-12W-44-33-**AS**-NL

Catalog Number	Description	Price
ST-2-EXP-NL	Adjustable S-Tube	**$ 224.95**

FORD PLASTIC PIT SETTERS
SECTION FA

Ford Plastic Pit Setter Numbering System

TYPE OF PLASTIC SETTER
- **PS** = Standard for Single Lid Cover
- **PD** = Standard for Double Lid Cover
- **PF** = Standard for Flat Lid Cover
- ***PTS** = Tandem for Single Lid Cover
- ***PTD** = Tandem for Double Lid Cover
- ***PDS** = Dual Service for Single Lid Cover
- ***PDD** = Dual Service for Double Lid Cover
- **PM** = Pit Setter for Monitor Cover (36" tile size only)

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

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

METER SIZE (INLET - OUTLET SIZE)
- **1** = 5/8" (3/4")
- **2** = 5/8" x 3/4" (3/4")
- **3** = 3/4" (3/4")
- **4** = 1" (1")
- **6** = 1-1/2" (1-1/2")
- **7** = 2" (2")

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

PIT DIAMETER AND DEPTH
- ±**18-36** = 18" x 36"
- ±**18-48** = 18" x 48"
- ±**18-60** = 18" x 60"
- ±**18-72** = 18" x 72"
- **20-36** = 20" x 36"
- **20-48** = 20" x 48"
- **20-60** = 20" x 60"
- **20-72** = 20" x 72"
- †**36HB-36** = 36" x 36"
- †**36HB-42** = 36" x 42"
- †**36HB-48** = 36" x 48"
- †**36HB-54** = 36" x 54"
- †**36HB-60** = 36" x 60"
- †**36HB-66** = 36" x 66"
- †**36HB-72** = 36" x 72"
- †**36HB-78** = 36" x 78"

± Not available for 3/4" or 1" meters.

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

P S B H - 2 2 2 - 1 8 - 7 2 - NL

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

TYPES OF INLET- OUTLET (One End - Other End)
- ‡**2** = Flare Copper Tube Nut
- ‡**4** = Pack Joint for Plastic or Copper Tube (CTS)
- **8** = Male Iron Pipe Threads

NO-LEAD

‡ 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" x 3/4", 3/4" and 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.

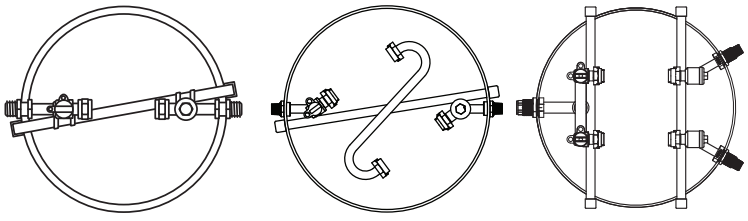
*** Dual check valves with enhanced chlorine/chloramine resistance are available. Add **"CR"** to the end of the alpha code. Example: PSBHC<u>CR</u>-344-20-36-NL. CR style dual checks not available with 1-1/2" and 2" pit setters.

OPTIONS

Add **"-G"** to the end of the catalog number for Grip Joint for CTS. Example: PSBH-244-18-72-G-NL

Add **"-TP6"** for 1-1/2" integral test port on dual check valve for 1-1/2" and 2" pit setters with a shut-off valve below the dual check valve.

For 12" adjustable pit extension, add **"E"** and the pit height range to the part number. Example: PSBH-222-18E-60-72-NL



Standard Setting | Tandem Setting | Dual Setting

1-1/2" and 2" pit setters with angle ball inlet valve are available with expanding meter flange. Add **"-EXP"** to the end of catalog number. Example: PSBH-777-36HB-36-EXP-NL

Note: See item listings in catalog section to ensure that desired sizes and options are available. Contact factory for other tile options

PIT SETTER FOR 5/8" OR 5/8" X 3/4" METER

1. What type of pit setting is required?

+

	Setting Type	Code	Price
	Standard for Single Lid Cover	PS	$ 859.23
	Standard for Double Lid Cover	PD	792.30
*	Tandem for Single Lid Cover	PTS	1008.41
*	Tandem for Double Lid Cover	PTD	941.41
*	Dual Service Line for Single Lid Cover	PDS	Δ
*	Dual Service Line for Double Lid Cover	PDD	Δ

2. What type of inlet valve is required?

+

	Inlet Valve Type	Code	Price
	Angle Key Valve	V	Standard
▼	Angle Ball Valve	B	15.06
	Angle Compression Valve	G	19.47
	No Inlet Valve (subtract)	-	-69.81

3. What type of outlet valve is required?

+ (insert dash)

	Outlet Valve Type	Code	Price
	Angle Key Valve (subtract)	V	-6.86
***▼	Angle Ball Valve	B	8.28
	Angle Compression Valve	G	12.29
	Angle Check Valve	H	Standard
●	Angle Cascading Dual Check Valve	HH	64.43
●	Angle Cartridge Dual Check Valve	HC	78.20
	No Outlet Valve (subtract)	-	-77.04

4. What meter size is required?

+

	Meter Size	Code	Price
	5/8" Meter	1	Standard
□	5/8" x 3/4" Meter	2	Standard

5. What type of inlet connection is required? (see note below)

+

	3/4" Inlet Type	Code	Price
	Flared Copper	2	16.50
	PET/CTS Pack Joint	4	17.45
	Male Iron Pipe	8	Standard

6. What type of outlet connection is required? (see note below)

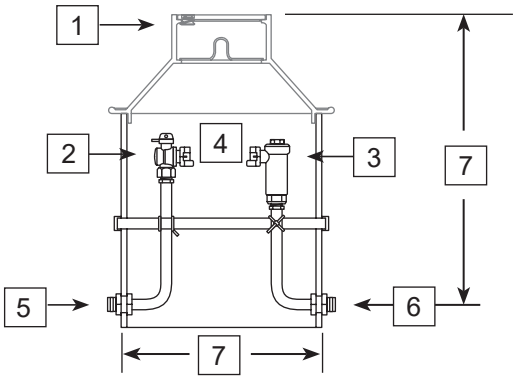
+ (insert dash)

	3/4" Outlet Type	Code	Price
	Flared Copper	2	16.50
	PET/CTS Pack Joint	4	17.45
	Male Iron Pipe	8	Standard

F A

7. What pit diameter and depth is required? (Depth is measured from ground level to service line. The service line is 2" higher than bottom of pit setter.)

Pit Diameter and Depth	Smooth Wall Tile		Corrugated Tile	
	Code	List Price	Code	List Price
18" x 36"	18-36-NL	Standard	18C-36-NL	$ 55.83
18" x 48"	18-48-NL	$ 144.06	18C-48-NL	218.49
18" x 60"	18-60-NL	288.20	18C-60-NL	381.25
18" x 72"	18-72-NL	432.29	18C-72-NL	543.90
20" x 36"	20-36-NL	47.87	**20C-36-NL	140.54
20" x 48"	20-48-NL	170.45	**20C-48-NL	294.06
20" x 60"	20-60-NL	327.97	**20C-60-NL	482.46
20" x 72"	20-72-NL	485.33	**20C-72-NL	670.74



Contact factory for other pit diameters and types not listed.

* 20" pit diameter is recommended for tandem and dual settings.

Δ Contact Ford Customer Service for pricing.

NOTE:Prices above do not include covers which are listed in section D.

Grip Joint for CTS and PEP can be ordered by inserting "-G" into the catalog number. Example: PSBH244-18-72-G-NL

** Pit setters manufactured from 20" corrugated tile require Ford Iron Covers for 21" I.D. Tile.

*** 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.

□ 1" inlet on 5/8" x 3/4" dual setters.

▼ Setters with angle ball valve inlets will be reduced port unless otherwise requested. Reduced port valves usually provide suitable water flow. (Add "-FP" to the end of the catalog number for full port.) Add to price . . . . . **$ 74.71**
If ordering full port ball valve inlet and outlet, add to price . . . . . **$ 149.43**

● Dual check valves for 5/8" or 5/8" x 3/4" meter setters with enhanced chlorine/chloramine resistance are available. Add "CR" to the end of the alpha code.
Example: PSBHCR-188-20-36-NL. Add to price for cartridge style . . . . . **$ 39.02**
Add to price for cascading style . . . . . **$ 19.04**

HOW TO ORDER A PLASTIC PIT SETTER:
Answer each question to create a catalog number. The catalog codes will build the **plastic pit setter** that meets your setting requirements. To price, add the price of the codes together.

PART NUMBER EXAMPLE:
PSBH-222-18-72-NL = A standard single lid style plastic pit setter with an inlet angle ball valve, outlet angle check valve, 5/8" x 3/4" meter, inlet connection for flared copper, outlet connection for flared copper and a pit diameter and depth of 18" x 72".

PSBH-222-18-72-NL PRICE EXAMPLE:
$ 859.23 + 15.06 + 0.00 + 0.00 + 16.50 + 16.50 + 432.29 = $ 1339.58

Note: Inlet and outlet connections are 3/4" in size, for 5/8", and 5/8" x 3/4" meter settings on 5/8" x 3/4" dual setters, inlet will be 1" with two 3/4" outlets, unless otherwise specified.
Female iron pipe by Pack Joint couplings are available for a variety of inlet/outlet combinations (see section J) and are sold separately.

PIT SETTER FOR 3/4" METER

1. What type of pit setting is required?

+

	Setting Type	Code	Price
	Standard for Single Lid Cover	PS	**$ 920.41**
	Standard for Double Lid Cover	PD	**853.39**
	Tandem for Single Lid Cover	PTS	**1069.69**
	Tandem for Double Lid Cover	PTD	**1002.57**

2. What type of inlet valve is required?

+

	Inlet Valve Type	Code	Price
	Angle Key Valve	V	**Standard**
▼	Angle Ball Valve	B	**15.06**
	Angle Compression Valve	G	**19.47**
	No Inlet Valve (subtract)	-	**-66.52**

3. What type of outlet valve is required?

+ (insert dash)

	Outlet Valve Type	Code	Price
	Angle Key Valve (subtract)	V	**-6.86**
▼	Angle Ball Valve	B	**8.28**
	Angle Compression Valve	G	**12.00**
	Angle Check Valve	H	**Standard**
●	Angle Cascading Dual Check Valve	HH	**64.43**
●	Angle Cartridge Dual Check Valve	HC	**78.20**
	No Outlet Valve (subtract)	-	**-77.04**

4. What meter size is required?

+

Meter Size	Code	Price
3/4" Meter	3	**Standard**

5. What type of inlet connection is required? (see note below)

+

3/4" Inlet Type	Code	Price
Flared Copper	2	**16.50**
PET/CTS Pack Joint	4	**17.45**
Male Iron Pipe	8	**Standard**

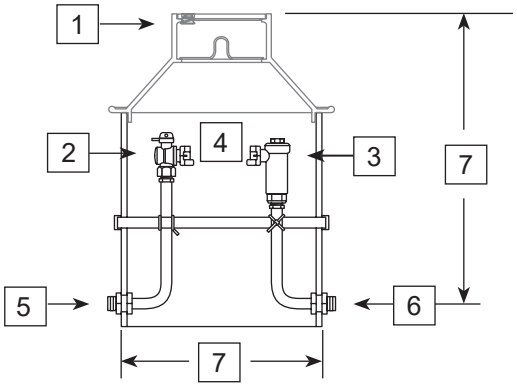
6. What type of outlet connection is required? (see note below)

+ (insert dash)

3/4" Outlet Type	Code	Price
Flared Copper	2	**16.50**
PET/CTS Pack Joint	4	**17.45**
Male Iron Pipe	8	**Standard**

7. What pit diameter and depth is required? (Depth is measured from ground level to service line. The service line is 2" higher than bottom of pit setter.)

Pit Diameter and Depth	Smooth Wall Tile		**Corrugated Tile	
	Code	List Price	Code	List Price
20" x 36"	20-36-NL	**Standard**	20C-36-NL	**$ 92.70**
20" x 48"	20-48-NL	**$ 170.45**	20C-48-NL	**294.06**
20" x 60"	20-60-NL	**327.97**	20C-60-NL	**482.46**
20" x 72"	20-72-NL	**485.33**	20C-72-NL	**670.74**



Contact factory for other pit diameters and types not listed.

NOTE: Prices above do not include covers which are listed in section D.

Grip Joint for CTS and PEP can be ordered by inserting "-G" into the catalog number. Example: PSBH344-20-72-G-NL

** Pit setters manufactured from 20" corrugated tile require Ford Iron Covers for 21" I.D. Tile.

▼ Setters with angle ball valve inlets will be reduced port unless otherwise requested. Reduced port valves usually provide suitable water flow. (Add "-FP" to the end of the catalog number for full port.) Add to price . . . . . **$ 74.71**
If ordering full port ball valve inlet and outlet:
Add to price . . . . . **$ 149.43**

● Dual check valves for 3/4" meter setters with enhanced chlorine/chloramine resistance are available. Add "CR" to the end of the alpha code.
Ex: PSBHCCR-388-20-36-NL
Add to price for cartridge style . . . . . **$ 39.02**
Add to price for cascading style . . . . . **$ 19.04**

HOW TO ORDER A PLASTIC PIT SETTER:
Answer each question to create a catalog number. The catalog codes will build the **plastic pit setter** that meets your setting requirements. To price, add the prices of the codes together.

PART NUMBER EXAMPLE:
PSBH-322-20-72-NL = A standard single lid style plastic pit setter with an inlet angle ball valve, outlet angle check valve, 3/4" meter, inlet connection for flared copper, outlet connection for flared copper and a pit diameter and depth of 20" x 72". Valves and fittings in contact with potable water are of no-lead alloy.

PSBH-322-20-72-NL PRICE EXAMPLE:
$ 920.41 + 15.06 + 0.00 + 0.00 + 16.50 + 16.50 + 485.33 = $ 1453.80

Note: Inlet and outlet connections are 3/4" in size, for 3/4" meter settings, unless otherwise specified.
Female iron pipe by Pack Joint couplings are available for a variety of inlet/outlet combinations (see section J) and are sold separately.

PIT SETTER FOR 1" METER

1. What type of pit setting is required?

	Setting Type	Code	Price
	Standard for Single Lid Cover	PS	**$ 1106.52**
	Standard for Double Lid Cover	PD	**1035.70**

+

2. What type of inlet valve is required?

	Inlet Valve Type	Code	Price
	Angle Key Valve	V	**Standard**
▼	Angle Ball Valve	B	**63.32**
	No Inlet Valve (subtract)	-	**-60.00**

+

3. What type of outlet valve is required?

	Outlet Valve Type	Code	Price
	Angle Key Valve (subtract)	V	**-13.88**
▼	Angle Ball Valve	B	**82.98**
	Angle Check Valve	H	**Standard**
●	Angle Cartridge Dual Check Valve	HC	**176.69**
●△	Angle Cascading Dual Check Valve	HH	**64.43**
	No Outlet Valve (subtract)	-	**-46.16**

+ (insert dash)

4. What meter size is required?

Meter Size	Code	Price
1" Meter	4	**Standard**

+

5. What type of inlet connection is required? (see note below)

1" Inlet Type	Code	Price
Male Iron Pipe	8	**Standard**

+

6. What type of outlet connection is required? (see note below)

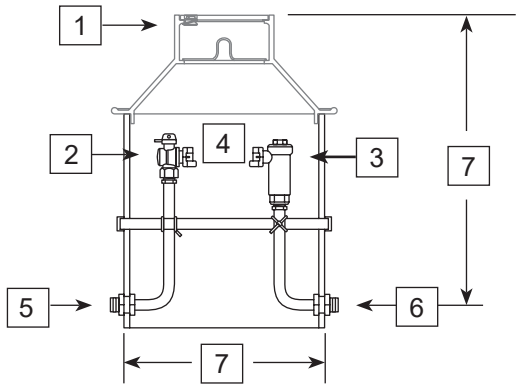
1 " Outlet Type	Code	Price
Male Iron Pipe	8	**Standard**

+ (insert dash)

F A

7. What pit diameter and depth is required? (Depth is measured from ground level to service line. The service line is 2" higher than bottom of pit setter.)

Pit Diameter and Depth	Smooth Wall Tile		**Corrugated Tile	
	Code	List Price	Code	List Price
20" x 36"	20-36-NL	**Standard**	20C-36-NL	**$ 92.70**
20" x 48"	20-48-NL	**$ 215.14**	20C-48-NL	**338.76**
20" x 60"	20-60-NL	**438.85**	20C-60-NL	**593.33**
20" x 72"	20-72-NL	**662.57**	20C-72-NL	**847.93**



Contact factory for other pit diameters and types not listed.

NOTE: Prices above do not include covers which are listed in section D.

** Pit setters manufactured from 20" corrugated tile require Ford Iron Covers for 21" I.D. Tile.

▼ Setters with angle ball valve inlets will be reduced port unless otherwise requested. Reduced port valves usually provide suitable water flow. (Add "-FP" to the end of the catalog number for full port.)
Add to price . . . . . **$ 67.31**
If ordering full port ball valve inlet and outlet add to price. . . . . **$ 134.60**

● Dual check valves for 1" meter setters with enhanced chlorine/chloramine resistance are available. Add "CR" to the end of the alpha code.
Ex: PSBHCCR-488-20-60-NL. Add to price for cartridge style . . . . . **$ 49.47**
Add to price for cascading style . . . . . **$ 19.04**

△ 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.

HOW TO ORDER A PLASTIC PIT SETTER:
Answer each question to create a catalog number. The catalog codes will build the **plastic pit setter** that meets your setting requirements. To price, add the prices of the codes together.

PART NUMBER EXAMPLE:
PSBH-488-20-60-NL = A standard single lid style plastic pit setter with an inlet angle ball valve, outlet angle check valve, 1" meter, inlet connection for male iron pipe, outlet connection for male iron pipe and a pit diameter and depth of 20" x 60". Valves and fittings in contact with potable water are of no-lead alloy.

PSBH-488-20-60-NL PRICE EXAMPLE:
$ 1106.52 + $ 63.32 + 0.00 + 0.00 + 0.00 + 0.00 + $ 438.85 = $ 1608.69

Note: Inlet and outlet connections are 1" in size, for 1" meter settings, unless otherwise specified.
Female iron pipe by Pack Joint couplings are used to provide 1" PET, PEP or PVC inlet-outlet combinations (see section J) and are sold separately.

PIT SETTER FOR 1-1/2" AND 2" METER

1. What type of pit setting is required?

+

2. What type of inlet valve is required?

+ (insert dash)

3. What type of outlet valve is required?

+ (insert dash)

4. What meter size is required?

+

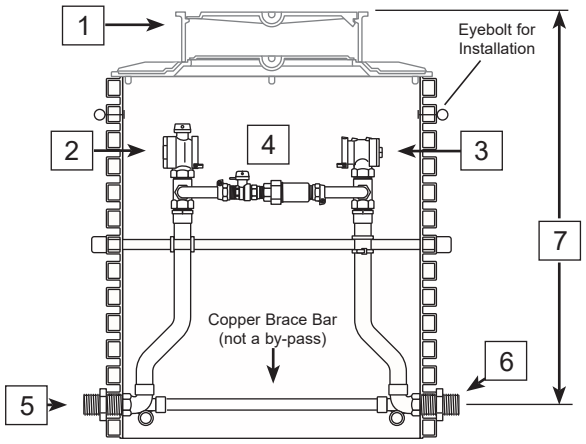
5. What type of inlet connection is required? (see note below)

+

6. What type of outlet connection is required? (see note below)

+ (insert dash)

7. What pit depth is required?
(Depth is measured from ground level to service line. The service line is 4" higher than bottom of pit setter.)



1-1/2" Pit Setter Shown with Optional Dual Check Valve in By-Pass

Setting Type	Code	Price 1-1/2" Setter	Price 2" Setter
Standard for Monitor Cover	PM	$ 4520.55	$ 5032.51
Standard for Single Lid Cover	PS	4624.86	5136.86
Standard for Double Lid Cover	PD	4450.95	4962.89
* Tandem for Monitor Cover	PTM	5554.85	6118.60
* Tandem for Single Lid Cover	PTS	5659.28	6222.93
* Tandem for Double Lid Cover	PTD	5485.28	6049.02

Inlet Valve Type	Code	1-1/2" Setter	2" Setter
Angle Key Valve	V	Standard	Standard
Angle Ball Valve	B	154.50	116.05

Outlet Valve Type	Code	1-1/2" Setter	2" Setter
Angle Ball Valve	B	109.45	75.71
Angle Key Valve	V	-45.05	-40.33
Angle Check Valve	H	Standard	Standard
Angle Dual Check Valve	HH	209.47	91.10
Flanged Ell (no by-pass)	L	-204.69	-269.76

Meter Size	Code	1-1/2" Setter	2" Setter
1-1/2" Meter	6	Standard	N/A
2" Meter	7	N/A	Standard

Inlet Type	Code	1-1/2" Setter	2" Setter
Male Iron Pipe	8	Standard	Standard

Outlet Type	Code	1-1/2" Setter	2" Setter
Male Iron Pipe	8	Standard	Standard

Approx. Pit Diameter and Depth	Code	1-1/2" Setter	2" Setter
** 36" x 36"	36HB-36-NL	Standard	Standard
36" x 42"	36HB-42-NL	$ 249.54	$ 269.77
36" x 48"	36HB-48-NL	468.80	514.54
36" x 54"	36HB-54-NL	769.24	838.26
36" x 60"	36HB-60-NL	989.46	1081.77
36" x 66"	36HB-66-NL	1333.07	1460.31
36" x 72"	36HB-72-NL	1510.11	1648.95
36" x 78"	36HB-78-NL	1853.81	2027.56

NOTE: Prices above do not include covers and extension rings which are listed in catalog section D.

1-1/2" and 2" pit setters are standard with a high by-pass. (2" pit setters have the by-pass opposite side from the side shown.) The by-pass can be deleted by omitting the "HB" from the catalog number and deducting **$ -537.45** from the price. Example: PMBHH-688-36-60-NL

For optional dual cartridge check valve in by-pass, insert "HC" into the catalog number and add **$ 428.90** to the price.
Example: PMBHH-688-36HBHC-60-NL

Optional test port for dual check 1-1/2" and 2" pit setters is available. See page F-37 of catalog for more information.

1-1/2" and 2" setters with angle ball inlet valve are available with expanding meter flange.. Add "-EXP" to end of catalog number.
Example: PSBH-777-36HB-36-EXP-NL
For 1-1/2" setters, add to price ..... **$ 45.44**
For 2" setters, add to price..... **$50.07**

HOW TO ORDER A PLASTIC PIT SETTER:
Answer each question to create a catalog number. The catalog codes will build the **plastic pit setter** that meets your setting requirements. To price, add the prices of the codes together.

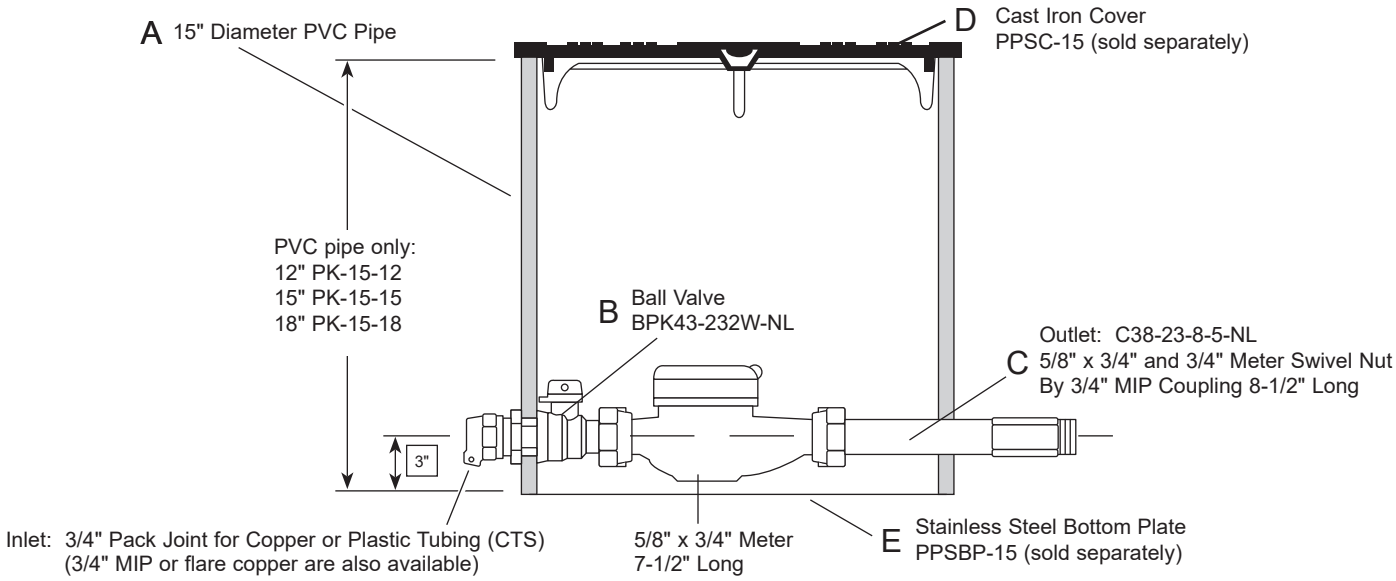
PART NUMBER EXAMPLE:
PMBHH-688-36HB-60-NL = A standard monitor cover style plastic pit setter with an inlet angle ball valve, outlet angle dual check valve, 1-1/2" meter, inlet connection for male iron pipe, outlet connection for male iron pipe, high by-pass and a pit diameter and depth of 36" x 60". Valves and fittings in contact with potable water are of no-lead alloy.

PRICE EXAMPLE:
PMBHH-688-36HB-60-NL price is: $ 4520.55 + $ 154.50 + $ 209.47 + 0.00 + 0.00 + 0.00 + $ 989.46 = $ 5873.98

Note: Inlet and outlet connections are 1-1/2" in size, for 1-1/2" meter settings, 2" for 2" meters.
Meter spacing is 17" for 2" meters, 13" for 1-1/2" meters.
Female iron pipe by Pack Joint couplings are used to provide PET, PEP or PVC inlet-outlet combinations (see section J) and are sold separately.

* Meter flange S-tube is supplied. Provide PRV length and connection type with order. PRV adapters are sold separately.
** 36" high tandem not available with high by-pass for 2" meters.

STANDARD 15" DIAMETER STYLE "K" PIT SETTER
FOR 5/8" X 3/4" METERS
(For Moderate Climates)



3/4" MALE IRON PIPE THREAD INLET BY 3/4" MALE IRON PIPE THREAD OUTLET

Catalog Number	Description	Weight	List Price
PK288-15-12-NL	12" High Pit Setter (less lid and bottom plate)	-	**$ 434.95**
PK288-15-15-NL	15" High Pit Setter (less lid and bottom plate)	-	**454.44**
PK288-15-18-NL	18" High Pit Setter (less lid and bottom plate)	-	**474.03**

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3/4" FLARED COPPER INLET BY 3/4" MALE IRON PIPE THREAD OUTLET

Catalog Number	Description	Weight	List Price
PK228-15-12-NL	12" High Pit Setter (less lid and bottom plate)	-	**$ 450.94**
PK228-15-15-NL	15" High Pit Setter (less lid and bottom plate)	-	**470.52**
PK228-15-18-NL	18" High Pit Setter (less lid and bottom plate)	-	**490.17**

3/4" PACK JOINT FOR COPPER OR PLASTIC TUBING INLET BY 3/4" MALE IRON PIPE THREAD OUTLET

Catalog Number	Description	Weight	List Price
PK248-15-12-NL	12" High Pit Setter (less lid and bottom plate)	-	**$ 459.55**
PK248-15-15-NL	15" High Pit Setter (less lid and bottom plate)	-	**479.13**
PK248-15-18-NL	18" High Pit Setter (less lid and bottom plate)	-	**498.75**

Grip Joint for CTS can be ordered by adding "-G" to the catalog number.

COMPONENTS FOR STANDARD 15" "K" PIT SETTER

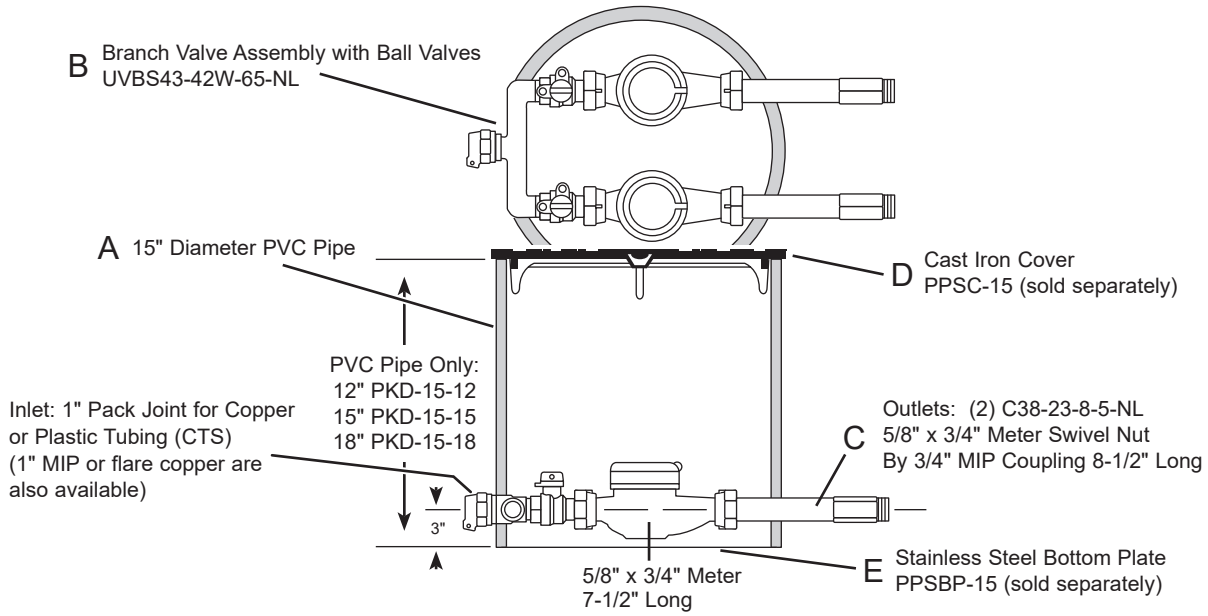
Catalog Number	Component Category	Description	List Price
PK-15-12	A	Plastic Pit Only - 12" High	**$ 216.60**
PK-15-15	A	Plastic Pit Only - 15" High	**237.35**
PK-15-18	A	Plastic Pit Only - 18" High	**258.14**
BPK83-232W-NL	B	Ball Valve for 3/4" Male Iron Pipe	**117.17**
BPK23-232W-NL	B	Ball Valve for 3/4" Flared Copper	**133.20**
* **BPK43-232W-NL**	B	Ball Valve for 3/4" Pack Joint for Copper or Plastic Tubing (CTS)	**141.70**
C38-23-8-5-NL	C	5/8" x 3/4" Meter Swivel Nut x 3/4" Male Iron Pipe Coupling - 8-1/2" Long	**59.99**
** **PPSC-15**	D	Flat Cast Iron Lid	**105.03**
PPSBP-15	E	Stainless Steel Bottom Plate	**173.62**
PPSBP-15-P	E	Plastic Bottom Plate	**125.73**
Add "R" to Catalog Number		360-Degree Turn Ball Valve	**2.49**

* **Grip Joint** for CTS can be ordered by inserting "-G" into the catalog number. Example: BPK43-232W-G-NL

COMPONENT PARTS IN CATEGORIES A, B, AND C ARE STANDARD. COMPONENTS IN CATEGORIES D AND E AS WELL AS 360-DEGREE TURNING BALL VALVES ARE OPTIONAL AND MUST BE ORDERED SEPARATELY.

** Lid options listed in section D.

STANDARD 15" DIAMETER STYLE "K" PIT SETTER
FOR DUAL 5/8" X 3/4" METER SETTING



1" MALE IRON PIPE THREAD INLET BY 3/4" MALE IRON PIPE THREAD OUTLETS

Catalog Number	Description	Weight	List Price
PKD288-15-12-NL	12" High Pit Setter (less lid and bottom plate)	-	**$ 639.71**
PKD288-15-15-NL	15" High Pit Setter (less lid and bottom plate)	-	**651.86**
PKD288-15-18-NL	18" High Pit Setter (less lid and bottom plate)	-	**678.93**

1" FLARED COPPER INLET BY 3/4" MALE IRON PIPE THREAD OUTLETS

Catalog Number	Description	Weight	List Price
PKD228-15-12-NL	12" High Pit Setter (less lid and bottom plate)	-	**$ 643.98**
PKD228-15-15-NL	15" High Pit Setter (less lid and bottom plate)	-	**663.55**
PKD228-15-18-NL	18" High Pit Setter (less lid and bottom plate)	-	**683.20**

1" PACK JOINT FOR COPPER OR PLASTIC TUBING INLET BY 3/4" MALE IRON PIPE THREAD OUTLETS

Catalog Number	Description	Weight	List Price
PKD248-15-12-NL	12" High Pit Setter (less lid and bottom plate)	-	**$ 656.88**
PKD248-15-15-NL	15" High Pit Setter (less lid and bottom plate)	-	**668.93**
PKD248-15-18-NL	18" High Pit Setter (less lid and bottom plate)	-	**688.52**

COMPONENTS FOR STANDARD 15" "K" PIT SETTER

Catalog Number	Component Category	Description	List Price
PKD-15-12	A	Plastic Pit Only - 12" High	**$ 216.60**
PKD-15-15	A	Plastic Pit Only - 15" High	**237.35**
PKD-15-18	A	Plastic Pit Only - 18" High	**258.14**
UVBS23-42W-65-NL	B	Branch Valve Assembly 6-1/2" Spacing w/ Ball Valves 1" Flared Copper to 5/8" x 3/4" Meter Swivel Nut	**284.53**
* **UVBS43-42W-65-NL**	B	Branch Valve Assembly 6-1/2" Spacing w/ Ball Valves 1" Copper Pack Joint to 5/8" x 3/4" Meter Swivel Nut	**287.98**
UVBS83-42W-65-NL	B	Branch Valve Assembly 6-1/2" Spacing w/ Ball Valves 1" Male Iron Pipe to 5/8" x 3/4" Meter Swivel Nut	**269.95**
C38-23-8-5-NL	C	5/8" x 3/4" Meter Swivel Nut x 3/4" Male Iron Pipe Coupling - 8-1/2" Long	**59.99**
** **PPSC-15**	D	Flat Cast Iron Lid	**105.03**
PPSBP-15	E	Stainless Steel Bottom Plate	**173.62**
PPSBP-15-P	E	Plastic Bottom Plate	**125.73**
Add "R" to Catalog Number		360 Degree Turn Ball Valve	**2.49**

* **Grip Joint** for CTS can be ordered by inserting "-G" into the catalog number. Example: UVBS43-42W-65-G-NL

COMPONENT PARTS IN CATEGORIES A, B, AND C ARE STANDARD. COMPONENTS IN CATEGORIES D AND E AS WELL AS 360-DEGREE TURNING BALL VALVES ARE OPTIONAL AND MUST BE ORDERED SEPARATELY.

** Lid options listed in catalog section D.

Ford Coil Pit Setter Numbering System

TYPE OF PLASTIC COIL PIT SETTER
PFC = Standard Single Setting
PDFC = Dual Setting (5/8" x 3/4", 18" tile only)
PTFC = Tandem Setting

INLET VALVE TYPE
V = Angle Key Valve
* B = Angle Ball Valve

METER SIZE (INLET - OUTLET SIZE)
1 = 5/8" (3/4")
2 = 5/8" x 3/4" (3/4")
3 = 3/4" (3/4")
4 = 1" (1")
(The number in the parentheses is the standard inlet-outlet size for a given meter size.)

DEPTH
36"
42"
48"
54"
60"
66"
72"
78"
84"
90"
96"

FULL PORT BALL VALVE

NO-LEAD

PFCBHH-288-15-72A-FP-NL

OUTLET VALVE TYPE
V = Angle Key Valve
*B = Angle Ball Valve
H = Angle Check Valve
**Δ HH = Angle Cascading Dual Check Valve
**HC = Angle Cartridge Dual Check Valve
L = ELL (no valve)

TYPE OF INLET - OUTLET
8 = Male Iron Pipe Threads

TILE DIAMETER
15 = 15"
18 = 18"

Optional 1" tubing and MIP service connections for 5/8", 5/8" x 3/4" and 3/4" setters - NOT AVAILABLE on 15" tiles or dual settings.

OPTIONAL

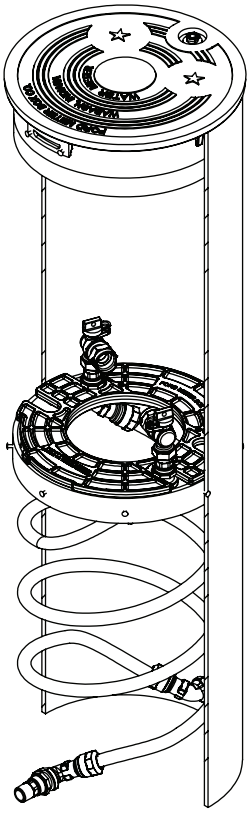
For 12" adjustable pit extension, add "E" and the pit height range to the part number. Example: PFCBH-288-18E-60-72-NL

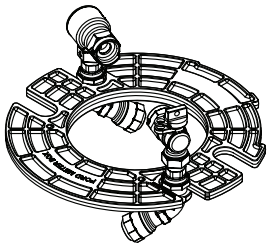
* The 5/8" Port Angle Ball Valve is a one-way directional valve designed for the inlet side of the meter and should not be used as a customer shut-off on the customer side of the meter. 5/8"x3/4", 3/4" and 1" setters with angle ball valves will be reduced port unless otherwise specified. Reduced port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

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.

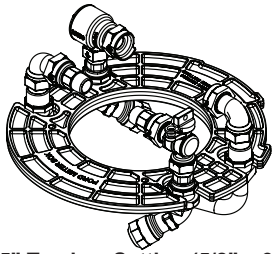
** 3/4" and 1" dual check valves with enhanced chlorine/chloramine resistance are available. Insert "CR" at end of the alpha code. Example: PFCBHCCR-388-16-60-NL

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





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



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

STANDARD COIL PITSETTER PRV LENGTH RANGE

Tile Size and Meter Settings	With RA Adapters		Without Adapters	
	Min	Max*	Min	Max*
5/8" Meter Setting				
15" Tile	4-1/4"	5-1/4"	7"	8"
15" Tile w/Full port ball valve	3-1/2"	4-1/2"	7-1/4"	8-1/4"
5/8" x 3/4" Meter Setting				
15" Tile	4"	4-3/4"	7-1/8"	7-7/8"
15" Tile w/Full port ball valve	3-3/8"	4-1/8"	6-1/2"	7-1/4"
18" Tile	4-1/2"	5-3/4"	7-5/8"	8-7/8"
18" Tile w/Full port ball valve	3-7/8"	4-7/8"	7"	8"
3/4" Meter Settings				
18" Tile	4-5/8"	6-5/8"	7-3/4"	9-3/4"
18" Tile w/Full port ball valve	4-1/8"	6-1/8"	7-1/4"	9-1/4"
1" Meter Settings				
18" Tile	4"	4-1/4"	7-3/8"	7-5/8"
18" Tile w/Full port ball valve	3-1/2"	3-3/4"	6-7/8"	7-1/8"

PRV lengths with connections other than FNPT or lengths outside of the range, please contact factory for price and availability.
*Max length may differ on pitsetters with a Secura-Lok™ valve.

15" DIAMETER COIL PIT SETTER WITH SINGLE OR TANDEM SETTINGS FOR 5/8", OR 5/8" X 3/4" METERS

1. What type of pit setting is required?

+

2. What type of inlet valve is required?

+

3. What type of outlet valve is required?

+ (insert dash)

4. What meter size is required?

+

5. What type of inlet connection is required?
(see note below)

+

6. What type of outlet connection is required?
(see note below)

+ (insert dash)

7. What pit diameter and depth is required?
(Depth is measured from ground level to service line. The service line is 4" higher than bottom of pit setter.)

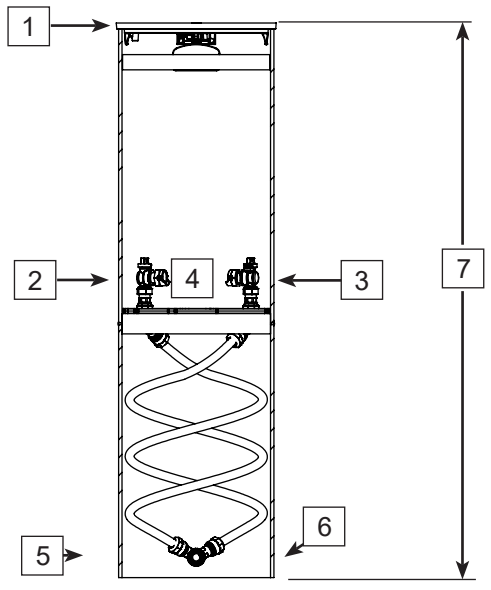
Setting Type	Code	List Price
Coil Pit Setter-Single	PFC	**$ 1350.25**
Coil Pit Setter-Tandem	PTFC	**1508.45**

Inlet Valve Type	Code	Single or Tandem Setting List Price
Angle Ball Valve (reduced port)	B	**Standard**
Angle Key Valve	V	**$ -14.55**
Angle Ball Valve (full port with 360° rotation)	B*(-FP-R)	**74.25**

Outlet Valve Type	Code	Single or Tandem Setting List Price
●Angle Cascading Dual Check Valve	HH	**Standard**
Angle Single Check Valve	H	**$ -62.48**
Ell	L	**-100.56**
Angle Ball Valve (reduced port)	B	**-54.93**
Angle Key Valve	V	**-69.49**
Angle Ball Valve (full port)	B*(-FP-R)	**14.31**

Meter Size	Code	Single or Tandem Setting List Price
5/8"	1	**$ 0.00**
5/8" x 3/4"	2	**0.00**

Service Line	Code	Single or Tandem Setting List Price
3/4" MIP Inlet and Outlet	88	**Standard**



Tile Diameter and Height	Code	Single or Tandem Setting List Price
15" x 36"	15-36-NL	**Standard**
15" x 42"	15-42-NL	**$ 27.33**
15" x 48"	15-48-NL	**72.91**
15" x 54"	15-54-NL	**101.37**
15" x 60"	15-60-NL	**127.59**
15" x 66"	15-66-NL	**181.76**
15" x 72"	15-72-NL	**210.50**
15" x 78"	15-78-NL	**239.20**
15" x 84"	15-84-NL	**300.73**
15" x 90"	15-90-NL	**330.78**
15" x 96"	15-96-NL	**360.86**

Note: Regulator adapters are furnished with standard coil pits. For PRV lengths with end connections other than FNPT or lengths outside of range, see chart on page FA-8. Contact factory for price and availability.

* Setters with angle ball valves will be reduced port unless otherwise requested. Reduced port valves usually provide suitable water flow. Add "-FP-R" to end of catalog number for full port. Full port ball valves shall have a 360° tee-head rotation.
Example: PFCBH-288-15-48-FP-R-NL

All prices are subject to change without notice. Please contact The Ford Meter Box Company.

● Dual check valves with enhanced chlorine/chloramine resistance are available. Add "CR" to the end of the alpha code.
Ex: PFCBHHCR-288-15-48-NL.
Add to price. . . . . **$ 19.04**

18" DIAMETER COIL PIT SETTER WITH SINGLE OR TANDEM SETTINGS FOR 5/8" OR 5/8" X 3/4" AND 3/4" METERS

1. What type of pit setting is required?

+

2. What type of inlet valve is required?

+

3. What type of outlet valve is required?

+ (insert dash)

4. What meter size is required?

+

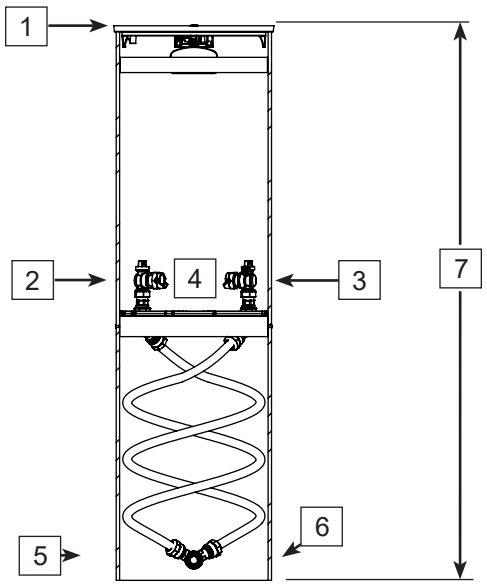
5. What type of inlet connection is required? (see note below)

+

6. What type of outlet connection is required? (see note below)

+ (insert dash)

7. What pit diameter and depth is required? (Depth is measured from ground level to service line. The service line is 4" higher than bottom of pit setter.)



5/8" or 5/8" x 3/4" Meters

Setting Type	Code	List Price
Coil Pit Setter-Single	PFC	$ 1463.84
Coil Pit Setter-Tandem	PTFC	1622.06
Coil Pit Setter-Dual	PDFC	2498.62

3/4" Meters

Setting Type	Code	List Price
Coil Pit Setter-Single	PFC	$ 1413.86
Coil Pit Setter-Tandem	PTFC	1572.06
Coil Pit Setter-Dual	**PDFC	2498.62

Inlet Valve Type	Code	Single or Tandem Setting List Price	Dual Setting List Price
Angle Ball Valve (reduced port)	B	Standard	Standard
Angle Key Valve	V	$ -14.55	$ -29.11
Angle Ball Valve (full port)	B*(-FP)	74.71	149.46

Outlet Valve Type	Code	Single or Tandem Setting List Price	Dual Setting List Price
● Angle Cascading Dual Check Valve	HH	Standard	Standard
Angle Single Check Valve	H	$ -62.48	$ -124.92
Ell	L	-100.56	-201.10
Angle Ball Valve (reduced port)	B	-54.93	-109.88
Angle Key Valve	V	-69.49	-139.00
Angle Ball Valve (full port)	B*(-FP)	14.31	28.62
● Angle Cartridge Dual Check Valve	HC	72.40	144.78

Meter Size	Code	Single or Tandem Setting List Price	Dual Setting List Price
5/8"	1	-	-
5/8" x 3/4"	2	-	-
3/4"	3	-	-

Service Line	Code	Single or Tandem Setting List Price	Dual Setting List Price
3/4" MIP Inlet and Outlet	88	Standard	-
1" MIP x (2) 3/4" MIP	88	-	Standard

Tile Diameter and Height	Code	Single or Tandem Setting List Price	Dual Setting List Price
18" x 36"	18-36-NL	Standard	N/A
18" x 42"	18-42-NL	$ 35.06	$ 192.92
18" x 48"	18-48-NL	88.30	223.37
18" x 54"	18-54-NL	130.04	265.11
18" x 60"	18-60-NL	159.95	295.02
18" x 66"	18-66-NL	222.24	368.44
18" x 72"	18-72-NL	259.04	405.24
18" x 78"	18-78-NL	295.81	442.03
18" x 84"	18-84-NL	368.41	525.74
18" x 90"	18-90-NL	406.94	564.29
18" x 96"	18-96-NL	445.47	602.82

3/4" MIP inlet-outlet and tubing are standard. For 1" MIP inlet-outlet and tubing add "A" to end of the catalog number. This option is not available on dual settings.
Example: PFCBH-288-18-60A-NL

1" Coil Tubing	Code	List Price
36" to 42"	A	$ 103.54
48" to 60"	A	113.49
66" to 78"	A	128.64
84" to 96"	A	144.76

Note: Regulator adapters are furnished with standard coil pits. For PRV lengths with end connections other than FNPT or lengths outside of range, see chart on page FA-8. Contact factory for price and availability.

* Setters with angle ball valves will be reduced port unless otherwise requested. Reduced port valves usually provide suitable water flow. Add "-FP" to end of catalog number for full port.
Example: PFCBHH-288-18-48-FP-NL

** Dual pit setters for 3/4" meters, requiring full port ball valves, shall have a 360° tee-head rotation. Example: PDFCBB-388-18-48-FP-R-NL
All prices are subject to change without notice. Please contact The Ford Meter Box Company.

● Dual check valves with enhanced chlorine/chloramine resistance are available
Add "CR" to the end of the alpha code. Ex: PFCBHHCR-288-18-48-NL.
Add to price for cartridge style. . . . . **$ 39.02**
Add to price for cascading style . . . . . **$ 19.04**

18" DIAMETER COIL PIT SETTER WITH SINGLE OR TANDEM SETTINGS FOR 1" METERS

1. What type of pit setting is required?

+

2. What type of inlet valve is required?

+

3. What type of outlet valve is required?

+ (insert dash)

4. What meter size is required?

+

5. What type of inlet connection is required? (see note below)

+

6. What type of outlet connection is required? (see note below)

+ (insert dash)

7. What pit diameter and depth is required? (Depth is measured from ground level to service line. The service line is 4" higher than bottom of pit setter.)

Setting Type	Code	List Price
Coil Pit Setter-Single	PFC	**$ 1946.46**
Coil Pit Setter-Tandem	PTFC	**2278.28**

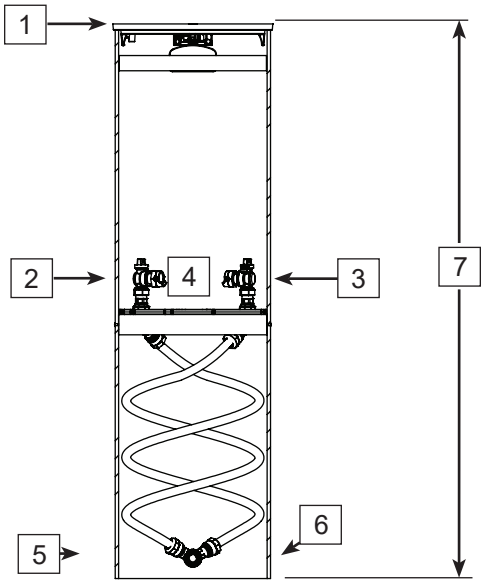
Inlet Valve Type	Code	List Price
* Angle Ball Valve (reduced port with 360° rotation)	B(-R)	**Standard**
Angle Key Valve	V	**$ -61.28**
** Angle Ball Valve (full port)	B*(-FP)	**67.31**

Outlet Valve Type	Code	List Price
△ Angle Cascading Dual Check Valve	HH	**Standard**
△ Angle Cascading Dual Check Valve with Enhanced Chlorine/Chloramine Resistance	HHCR	**$ 19.04**
Angle Cartridge Dual Check Valve	HC	**130.24**
Angle Cartridge Dual Check Valve with Enhanced Chorine/Chloramine Resistance	HCCR	**179.71**
Angle Single Check Valve	H	**-52.91**
Ell	L	**-88.70**
* Angle Ball Valve (reduced port with 360° rotation)	B(-R)	**24.76**
Angle Key Valve	V	**-38.78**
** Angle Ball Valve (full port)	B*(-FP)	**92.06**

Meter Size	Code	List Price
1"	4	-

Service Line	Code	List Price
1" MIP Inlet and Outlet	88	**Standard**

Tile Diameter and Height	Code	List Price
18" x 36"	18-36-NL	**Standard**
18" x 42"	18-42-NL	**$ 37.34**
18" x 48"	18-48-NL	**89.29**
18" x 54"	18-54-NL	**131.10**
18" x 60"	18-60-NL	**160.39**
18" x 66"	18-66-NL	**224.88**
18" x 72"	18-72-NL	**262.16**
18" x 78"	18-78-NL	**299.49**
18" x 84"	18-84-NL	**372.86**
18" x 90"	18-90-NL	**411.99**
18" x 96"	18-96-NL	**451.07**



Note: Regulator adapters are furnished with standard coil pits. For PRV lengths with end connections other than FNPT or lengths outside of range, see chart on page FA-8. Contact factory for price and availability.

* Setters with angle ball valves will be reduced port unless otherwise requested. Reduced port valves usually provide suitable water flow.

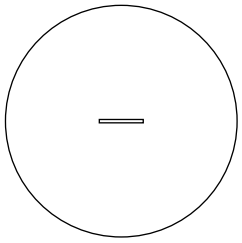
△ Angle cascading dual check valve contains 3/4" internal components. This valve meets the ASSE flow requirements of a 1" valve. For a full port valve order the cartridge style check valve.

** Add "-FP" to end of catalog number for full port. Example: PFCBHH-488-18-48-FP-NL (FP = Full port angle ball valve with standard tee-head). Add "-FP-R" where 360° rotation is required - see below. Example: PTFCBH-488-18-36-FP-R-NL

360° T-Head Requirement (-R) for Padwing Clearance on 1" Coil Pits

Type	"-R" Required
Single Meter Pit with FP Ball Valve	N
Single Meter Pit with Standard Ball Valve	Y
Tandem Meter Pit with FP Ball Valve	Y
Tandem Meter Pit with Standard Ball Valve	Y

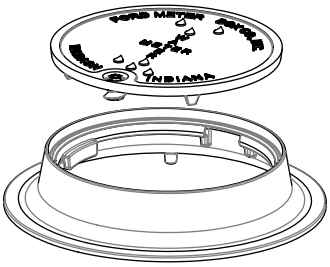
CLOSED CELL INSULATING DISCS



Catalog Number	Description	List Price
CCID-15	15" Closed Cell Insulating Disc – 1-1/2" Thick	**$ 49.44**
CCID-15-2	15" Closed Cell Insulating Disc – 2" Thick	**49.44**
CCID-15-4	15" Closed Cell Insulating Disc – 4" Thick	**76.45**
CCID-15-6	15" Closed Cell Insulating Disc – 6" Thick	**116.73**
CCID-18	18" Closed Cell Insulating Disc – 1-1/2" Thick	**73.07**
CCID-18-2	18" Closed Cell Insulating Disc – 2" Thick	**73.07**
CCID-18-4	18" Closed Cell Insulating Disc – 4" Thick	**109.36**
CCID-18-6	18" Closed Cell Insulating Disc – 6" Thick	**163.77**
CCID-20	20" Closed Cell Insulating Disc - 1-1/2" Thick	**87.08**
■ **CCID-20C-4-2**	20" Closed Cell Insulating Disc - 4" Thick for Corrugated Tile	**231.60**
CCID-24	20" Closed Cell Insulating Disc - 1-1/2" Thick	**128.33**
■ **CCID-24C-4-2**	20" Closed Cell Insulating Disc - 4" Thick for Corrugated Tile	**295.60**
■ **CCID-27-2-2**	27" Closed Cell Insulating Disc - 2" Thick	**P.O.A.**
■ **CCID-27-4-2**	27" Closed Cell Insulating Disc - 4" Thick	**P.O.A.**
■ **CCID-36-2-2**	36" Closed Cell Insulating Disc - 2" Thick	**560.57**
■ **CCID-36-4-2**	36" Closed Cell Insulating Disc - 4" Thick	**660.74**

■ Two-piece with removable center access plug for viewing the meter register.

COIL PIT IRON DRIVEWAY COVER, FRAME AND LID

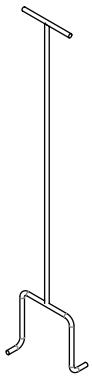


Catalog Number	*Lid Size	Approx. Wt. Lbs.	List Price
Cover, Frame and Locking Lid			
A51H	15"	70.7	**$ 509.78**
A62H	18"	73.7	**617.59**
Cover and Frame with Electronic Read Locking Lid			
A51H-T	15"	70.0	**515.11**
A62H-T	18"	73.7	**622.91**
Cover and Frame with Double Electronic Read Locking Lid			
A51H-TT	15"	65.0	**520.41**
Cover and Frame with Recessed Electronic Read Lockless Lid			
A51H-LL-REC-T	15"	70.0	**520.70**
Iron Frame Only			
***PFC15F**	15"	32.4	**245.70**
***PFC18F**	18"	38.5	**284.69**
Locking Lid Only			
WA5LH	15"	38.3	**264.07**
WA6LH	18"	35.3	**332.90**
Locking Electronic Read Lid only			
WA5LH-T	15"	37.6	**269.41**
WA6LH-T	18"	35.0	**338.22**
Locking Double Electronic Read Lid only			
WA5LH-TT	15"	36.9	**274.71**
WA6LH-TT	18"	35.0	**343.56**

* Lid size indicates approximate pit access opening; actual lid diameter is approximately 1" larger.

Note: Frames cannot be used with standard coil pit flat lids. Must be used with these matching lids only.

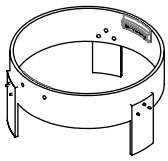
COIL PIT ACCESS RODS AND EXTENSION RINGS



COIL PIT METER PLATFORM ACCESS RODS

Catalog Number	Meter Size	Service Line Depth	Approx. Wt. Lbs.	List Price
CPLR-2-36	5/8" or 5/8" x 3/4"	Up to 60"	5.9	**$ 218.95**
CPLR-2-48	5/8" or 5/8" x 3/4"	Up to 72"	5.9	**228.11**
CPLR-2-60	5/8" or 5/8" x 3/4"	Up to 84"	8.1	**237.25**
CPLR-2-72	5/8" or 5/8" x 3/4"	Up to 96"	8.1	**246.39**
CPLR-3-36	3/4"	Up to 60"	5.0	**218.95**
CPLR-3-48	3/4"	Up to 72"	6.0	**228.11**
CPLR-3-60	3/4"	Up to 84"	7.0	**237.25**
CPLR-3-72	3/4"	Up to 96"	8.0	**246.39**
CPLR-4-36	1"	Up to 60"	5.9	**218.95**
CPLR-4-48	1"	Up to 72"	5.9	**228.11**
CPLR-4-60	1"	Up to 84"	8.1	**237.25**
CPLR-4-72	1"	Up to 96"	8.1	**246.39**

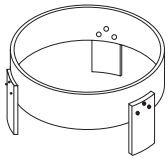
Rods are sold by meter pit size and service line depth.



COIL PIT EXTENSION RINGS

Extension Length	15" Diameter Tile	Approx. Wt. Lbs.	List Price	18" Diameter Tile	Approx. Wt. Lbs.	List Price
2"	**CPS-EXT15-2**	2.6	**$ 53.73**	**CPS-EXT18-2**	4.5	**$ 60.45**
4"	**CPS-EXT15-4**	4.1	**75.93**	**CPS-EXT18-4**	7.2	**90.90**
6"	**CPS-EXT15-6**	5.7	**98.15**	**CPS-EXT18-6**	10.0	**121.37**
8"	**CPS-EXT15-8**	7.2	**120.34**	**CPS-EXT18-8**	12.7	**151.83**
10"	**CPS-EXT15-10**	8.8	**142.55**	**CPS-EXT18-10**	15.4	**182.28**
12"	**CPS-EXT15-12**	10.3	**164.76**	**CPS-EXT18-12**	18.1	**212.77**

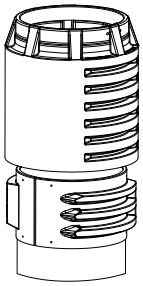
Standard coil pits can accommodate up to a maximum 12" extension ring.
Extension lengths are in 2" increments from 2" to 12" for each tile diameter.



PIT SETTER EXTENSION RINGS

Extension Length	18" Diameter Tile	Approx. Wt. Lbs.	List Price	20" Diameter Tile	Approx. Wt. Lbs.	List Price
4"	**PS-EXT18-4**	7.1	**$ 215.78**	**PS-EXT20-4**	3.7	**$ 227.30**
6"	**PS-EXT18-6**	9.9	**215.78**	**PS-EXT20-6**	5.2	**227.30**
8"	**PS-EXT18-8**	12.6	**229.54**	**PS-EXT20-8**	6.6	**239.17**
10"	**PS-EXT18-10**	15.3	**243.53**	**PS-EXT20-10**	8.0	**260.04**
12"	**PS-EXT18-12**	18.0	**257.39**	**PS-EXT20-12**	9.4	**273.28**

For extension ring lengths and diameters not listed here, contact factory.



ADJUSTABLE PIT SETTER EXTENDER (PATENT 11,668,078)

Extension Length	Catalog Number	Description	Approx. Wt. Lbs.	List Price
3"-12"	**CPS-EXT18ADJ**	Adjustable Pit extender for coil pits with 18" tile	110.5	**$ 471.70**
3"-12"	**PS-EXT18ADJ**	Adjustable Pit extender for pits with 18" tile	110.3	**459.57**

COIL PIT LIDS AND BOTTOM PLATES

15" CAST IRON FLAT LIDS

Catalog Number	Size	Approx. Wt. Lbs.	List Price
Lockless Lids			
PPSC-15	15"	13.0	**$ 105.03**
Locking Lids			
PPSC-15-L	15"	19.8	**105.03**
Locking Lids with Plastic ERT bracket			
PPSC-15-L-BR	15"	20.0	**137.97**
Locking Electronic Read Lid			
PPSC-15-L-T	15"	19.8	**110.35**
Locking Double Electronic Read Lid			
PPSC-15-L-TT	15"	19.8	**115.68**
Recessed Locking Electronic Read Lid			
PPSC-15-L-REC-T	15"	21.8	**117.94**
Lockless Electronic Read Lid			
PPSC-15-T	15"	13.0	**110.35**
Double Lockless Electronic Read Lid			
PPSC-15-TT	15"	20.0	**115.68**
Recessed Lockless Electronic Read Lid			
PPSC-15-REC-T	15"	17.2	**117.94**
Recessed Lockless Electronic Read Lid (Extra Heavy)			
PPSCH-15-REC-T	15"	17.2	**275.00**

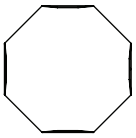
18" CAST IRON FLAT LIDS

Catalog Number	Size	Approx. Wt. Lbs.	List Price
Lockless Lids			
PPSC-18	18"	24.7	**$ 194.62**
Locking Lids			
PPSC-18-L	18"	28.3	**194.62**
Locking Lids with Plastic ERT bracket			
PPSC-18-L-BR	18"	28.5	**227.56**
Locking Electronic Read Lid			
PPSC-18-L-T	18"	26.3	**199.94**
Locking Double Electronic Read Lid			
PPSC-18-L-TT	18"	26.3	**205.25**
Recessed Locking Electronic Read Lid			
PPSC-18-L-REC-T	18"	30.1	**207.50**
Lockless Electronic Read Lid			
PPSC-18-T	18"	24.5	**199.94**
Double Lockless Electronic Read Lid			
PPSC-18-TT	18"	24.3	**205.25**

H-20 RATED COMPOSITE FLAT LIDS

Catalog Number	Size	Approx. Wt. Lbs.	List Price
Locking Lids			
PPSC-15-L-P	15"	9.0	**$ 300.03**
Locking Lids with Plastic ERT Bracket			
PPSC-15-L-P-BR	15"	9.2	**307.91**
Locking Lids with 2" Hole for EMR			
PPSC-15-L-P-REC-T	15"	8.5	**312.94**

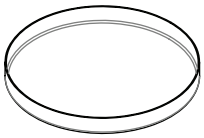
Catalog Number	Size	Approx. Wt. Lbs.	List Price
Locking Lids			
PPSC-18-L-P	18"	13.0	**$ 364.59**
Locking Lids with Plastic ERT Bracket			
PPSC-18-L-P-BR	18"	13.2	**372.44**
Locking Lids with 2" Hole for EMR			
PPSC-18-L-P-REC-T	18"	12.3	**377.49**



STAINLESS STEEL BOTTOM PLATE

Catalog Number	Size	Approx. Wt. Lbs.	List Price
PPSBP-15	15.3"	3.3	**$ 173.62**

Catalog Number	Size	Approx. Wt. Lbs.	List Price
PPSBP-18	18.7"	4.1	**$ 181.30**



SOLID PLASTIC BOTTOM PLATE

Catalog Number	Size	Approx. Wt. Lbs.	List Price
PPSBP-15-P	15.3"	1.0	**$ 125.73**

Catalog Number	Size	Approx. Wt. Lbs.	List Price
PPSBP-18-P	18.7"	2.0	**$ 131.27**

FORD VALVES

(CURB STOPS, METER VALVES AND SERVICE VALVES)

SECTION G

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)
BLA = Blow-off Ball Valve
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

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" x 3/4" 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" x 3/4" and 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 (SIDR7) PE Pipe
7 = Pack Joint for PVC/IPS PE Pipe (schedule 40 and 80)
8 = Male Iron Pipe Threads
9 = Yoke Nose
0 = Female Copper Tube Nut Thread or "Special"

* Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

OPTIONAL FEATURES

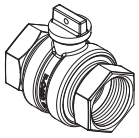
D = Test/Drain Valve
-G = Grip Joint (for 3/4" - 2" CTS and 3/4" and 1" PEP)
-IDR7 = Inner Dimension Ratio for 1-1/2" and 2" PE Pipe
M = Minneapolis Pattern
-NE = New England Threads
-OR = Open Right
-Q = Quick Joint
R = 360˚ tee-head rotation
SLB = Secura-Lok™ barrel style
SW = Stop and Waste
-TW-Q = CTS Quick Joint with Tracer Wire Terminal (contact factory for pricing)
-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.

FORD CURB STOPS

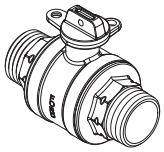
FORD BALL VALVE CURB STOPS

FEMALE IRON PIPE THREAD BOTH ENDS



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
▲* **B11-333-NL**	3/4"	3/4"	3/4"	1.5	9	**$ 123.12**
B11-333W-3-33-NL	3/4"	3/4"	3/4"	1.6	8	**141.00**
B11-343-NL	3/4"	1"	3/4"	1.6	9	**132.31**
B11-344-NL	3/4"	1"	1"	1.7	8	**137.37**
BL11-344-4-5-NL	3/4"	1"	1"	2.2	6	**161.76**
▲* **B11-444-NL**	1"	1"	1"	1.9	9	**191.40**
B11-454-NL	1"	1-1/4"	1"	2.0	4	**226.11**
B11-455-NL	1"	1-1/4"	1-1/4"	2.1	6	**241.69**
B11-555-NL	1-1/4"	1-1/4"	1-1/4"	3.9	3	**311.86**
B11-566-NL	1-1/4"	1-1/2"	1-1/2"	4.2	2	**352.87**
▲* **B11-666-NL**	1-1/2"	1-1/2"	1-1/2"	4.7	2	**391.90**
** **B11-676-NL**	1-1/2"	2"	1-1/2"	5.0	2	**440.74**
** **B11-677-NL**	1-1/2"	2"	2"	5.4	2	**489.82**
▲* **B11-777-NL**	2"	2"	2"	7.2	2	**573.17**
B11-788-NL	2"	2-1/2"	2-1/2"	8.5	1	**735.44**

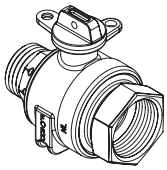
MALE IRON PIPE THREAD BOTH ENDS



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
B88-333-NL	3/4"	3/4"	3/4"	1.7	5	**$ 148.56**
B88-344-NL	3/4"	1"	1"	1.8	-	**175.88**
B88-444-NL	1"	1"	1"	2.4	6	**222.77**
*** **B88-454W-NL**	Locking 1"	1-1/4"	1"	2.3	1	**259.14**
*** **B88-455W-NL**	Locking 1"	1-1/4"	1-1/4"	2.3	-	**296.89**
*** **B88-666W-NL**	Locking 1-1/2"	1-1/2"	1-1/2"	5.6	1	**488.59**
▲ **B88-777-NL**	2"	2"	2"	8.2	-	**704.15**

G

MALE IRON PIPE THREAD BY FEMALE IRON PIPE THREAD



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	MIP End	FIP End			
B81-333-NL	3/4"	3/4"	3/4"	1.5	9	**$ 126.88**
B81-343-NL	3/4"	1"	3/4"	1.6	-	**145.90**
B81-444-NL	1"	1"	1"	2.1	8	**195.45**
B81-455-NL	1"	1-1/4"	1-1/4"	2.2	4	**251.49**
** **B81-666-NL**	1-1/2"	1-1/2"	1-1/2"	5.1	2	**452.11**
B81-676-NL	1-1/2"	2"	1-1/2"	5.4	-	**510.89**
B81-677-NL	1-1/2"	2"	2"	5.7	-	**584.74**
* **B81-777-NL**	2"	2"	2"	7.6	2	**679.91**

OPTION INFORMATION FOR VALVES ON THIS PAGE

For **reclaimed water tee-head** (sold only with padlock wing option) insert “RW” into the catalog number. Example: BRW11-333W-NL
Padlock wing option is included in the price of reclaimed water tee-head. Add to price . . . . . **$ 10.45**

For **padlock wings** - Insert “W” into the catalog number and add to price **5.03**

For **double padlock wing** on 3/4" and 1" valves (for locking valve in either opened or closed position). Insert “WW” into end of the catalog number. Example: B11-333WW-NL. Add to price **10.06**

* For **stop and waste** feature on these ball valves, change “B” to “BC” and add “SW” to end of catalog number.
Example: BC11-333SW-NL. Add to price for 3/4" and 1" **31.58**
Add to price for 1-1/2" and 2" **95.39**

** For **stop and waste** feature on these ball valves, insert “SW” into the catalog number and add to price. **95.39**

For **Minneapolis Pattern** on 3/4" and 1" ball valves, insert “M” into the catalog number and add to price. **14.56**

For **Minneapolis Pattern** on 1-1/4", 1-1/2" and 2" ball valves, insert “M” into the catalog number and add to price **16.61**

For **360° rotation** of tee-head, insert “R” into the catalog number. Example: B11-333R-NL. Add to price **2.49**

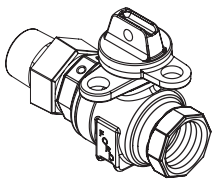
*** Valves with “W” listed above are only available with padlock wing, for reclaimed water tee-head insert “RW” to catalog number.
Add to price **5.42**

▲ For Secura-Lok™ option, Insert “SLB” into the catalog number and add to price **53.96**
Example: B11-233SLB-NL

Handles are available for ball valves. See page G-32.

FORD BALL VALVE CURB STOPS (CONTINUED)

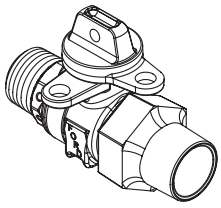
FLARE COPPER BY FEMALE IRON PIPE THREAD



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Flare End	FIP End			
* **B21-333-NL**	3/4"	3/4"	3/4"	1.8	7	**$ 145.58**
B21-343-NL	3/4"	1"	3/4"	2.2	6	**163.39**
B21-334-NL	3/4"	3/4"	1"	1.9	-	**154.12**
B21-344-NL	3/4"	1"	1"	2.3	6	**170.27**
BL21-344-5-187-NL	3/4" (5-3/16" long)	1"	1"	3.2	-	**178.93**
* **B21-444-NL**	1"	1"	1"	2.4	5	**205.56**
B21-445-NL	1"	1"	1-1/4"	4.5	-	**241.69**
B21-454-NL	1"	1-1/4"	1"	4.8	-	**255.24**
B21-455-NL	1"	1-1/4"	1-1/4"	4.7	-	**271.11**
B21-555-NL	1-1/4"	1-1/4"	1-1/4"	5.3	2	**344.71**
B21-566-NL	1-1/4"	1-1/2"	1-1/2"	6.9	-	**379.72**
** **B21-666-NL**	1-1/2"	1-1/2"	1-1/2"	6.5	1	**465.42**
B21-667-NL	1-1/2"	1-1/2"	2"	-	-	**514.48**
B21-676-NL	1-1/2"	2"	1-1/2"	-	-	**575.34**
B21-677-NL	1-1/2"	2"	2"	-	-	**624.55**
* **B21-777-NL**	2"	2"	2"	10.7	1	**683.33**

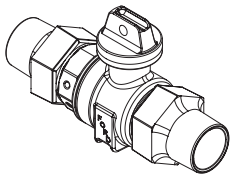
Note: Length of valve for flare copper is measured **less** the copper tube nut.

MALE IRON PIPE THREAD BY FLARE COPPER



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	MIP End	Flare End			
B82-333-NL	3/4"	3/4"	3/4"	1.8	6	**$ 152.51**
B82-444-NL	1"	1"	1"	2.5	6	**230.22**
B82-555-NL	1-1/4"	1-1/4"	1-1/4"	5.6	-	**392.56**
B82-666-NL	1-1/2"	1-1/2"	1-1/2"	-	-	**500.76**
B82-777-NL	2"	2"	2"	11.3	1	**782.43**

FLARE COPPER BOTH ENDS



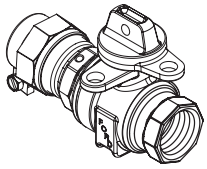
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
* **B22-333-NL**	3/4"	3/4"	3/4"	2.2	6	**$ 160.57**
B22-343-NL	3/4"	1"	3/4"	2.5	5	**174.75**
B22-344-NL	3/4"	1"	1"	3.0	-	**188.08**
* **B22-444-NL**	1"	1"	1"	3.1	4	**221.79**
B22-454-NL	1"	1-1/4"	1"	3.5	-	**273.34**
B22-455-NL	1"	1-1/4"	1-1//4"	5.5	-	**299.86**
B22-555-NL	1-1/4"	1-1/4"	1-1/4"	6.7	1	**377.46**
B22-566-NL	1-1/4"	1-1/2"	1-1/2"	8.5	-	**457.47**
* **B22-666-NL**	1-1/2"	1-1/2"	1-1/2"	8.2	1	**538.68**
B22-676-NL	1-1/2"	2"	1-1/2"	-	-	**649.12**
B22-677-NL	1-1/2"	2"	2"	-	-	**759.03**
** **B22-777-NL**	2"	2"	2"	14.4	2	**881.79**

OPTION INFORMATION FOR VALVES ON THIS PAGE

For **reclaimed water tee-head** (sold only with padlock wing option) insert “RW” into the catalog number. Example: BRW21-333W-NL
Padlock wing option is included in the price of reclaimed water tee-head. Add to price . . . . . **$ 10.45**
For **padlock wings** - Insert “W” into the catalog number and add to price **5.03**
* For **stop and waste** feature on these ball valves, change “B” to “BC” and add “SW” to end of catalog number.
Example: BC21-333SW-NL. Add to price for 3/4" and 1" **31.58**
Add to price for 1-1/2" and 2". **95.39**
** For **stop and waste** feature on these ball valves, insert “SW” into the catalog number and add to price. **95.39**
For **Minneapolis Pattern** on 3/4" and 1" ball valves, insert “M” into the catalog number and add to price. **14.56**
For **Minneapolis Pattern** on 1-1/4", 1-1/2" and 2" ball valves, insert “M” into the catalog number and add to price **16.61**
For **360° rotation** of tee-head, insert “R” into the catalog number. Example: B21-333R-NL. Add to price **2.49**
Handles are available for ball valves. See page G-32.

PACK JOINT BY IRON PIPE BALL VALVE CURB STOPS

PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BY FEMALE IRON PIPE THREAD



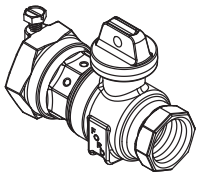
(shown with padlock wing)

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	CTS End	FIP End			
●*♦ **B41-333-NL**	3/4"	3/4"	3/4"	1.7	8	**$ 139.14**
● ♦ **B41-334-NL**	3/4"	3/4"	1"	1.8	8	**163.39**
● ♦ **B41-343-NL**	3/4"	1"	3/4"	2.0	8	**155.87**
► ♦ **B41-344-NL**	3/4"	1"	1"	2.0	8	**165.19**
♦ **BL41-344-4-875-NL**	3/4" (4-7/8" long)	1"	1"	3.1	-	**175.38**
▲●►*♦ **B41-444-NL**	1"	1"	1"	2.2	7	**213.67**
● **B41-454-NL**	1"	1-1/4"	1"	3.5	-	**255.25**
B41-454-Q-NL	1"	1-1/4"	1"	2.8	6	**273.10**
♦ **B41-455-NL**	1"	1-1/4"	1-1/4"	3.7	-	**273.34**
♦ **B41-555-NL**	1-1/4"	1-1/4"	1-1/4"	5.0	2	**344.71**
*♦ **B41-666-NL**	1-1/2"	1-1/2"	1-1/2"	5.9	1	**465.42**
B41-677-NL	1-1/2"	2"	2"	-	-	**600.88**
▲*♦ **B41-777-NL**	2"	2"	2"	9.1	1	**647.07**

Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: B41-333-G-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

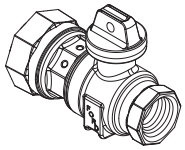
PACK JOINT FOR IRON PIPE BY FEMALE IRON PIPE THREAD



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	IP End	FIP End			
B51-333-NL	3/4"	3/4"	3/4"	1.9	8	**$ 160.55**
B51-343-NL	3/4"	1"	3/4"	2.2	-	**178.72**
B51-344-NL	3/4"	1"	1"	2.7	-	**190.34**
B51-444-NL	1"	1"	1"	2.7	4	**229.71**
** **B51-666-NL**	1-1/2"	1-1/2"	1-1/2"	5.8	1	**467.67**
* **B51-777-NL**	2"	2"	2"	9.7	1	**737.23**

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PACK JOINT FOR (SIDR7) PE PIPE BY FEMALE IRON PIPE THREAD



(shown with Quick Joint)

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	PEP End	FIP End			
●*♦ **B61-333-NL**	3/4"	3/4"	3/4"	2.0	8	**$ 163.39**
► **B61-343-NL**	3/4"	1"	3/4"	2.4	6	**181.23**
► **B61-344-NL**	3/4"	1"	1"	2.9	-	**188.08**
● ♦ **B61-444-NL**	1"	1"	1"	2.8	4	**232.02**
B61-555-NL	1-1/4"	1-1/4"	1-1/4"	5.5	2	**385.04**
* **B61-666-IDR7-NL**	1-1/2"	1-1/2"	1-1/2"	6.7	1	**506.61**
B61-777-IDR7-NL	2"	2"	2"	10.4	1	**775.38**

Grip Joint for 3/4" and 1" PEP is available. Insert "-G" into the catalog number. Example: B61-333-G-NL

OPTION INFORMATION FOR VALVES ON THIS PAGE

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: B44-333-Q-NL

► Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: B61-343-U-AWT-NL

● Ultra-Tite compression is available. Insert "-U" into the catalog number. Example: B61-333-U-NL
For **reclaimed water tee-head** (sold only with padlock wing option) insert "RW" into the catalog number. Example: BRW44-333W-NL
Padlock wing option is included in the price of reclaimed water tee-head. Add to price . . . . . **$ 10.45**
For **padlock wings** - Insert "W" into the catalog number and add to price **5.03**

* For **stop and waste** feature on these ball valves, change "B" to "BC" and add "SW" to end of catalog number.
Example: BC44-333SW-NL. Add to price for 3/4" and 1" **31.58**
Add to price for 1-1/2" and 2". **95.39**

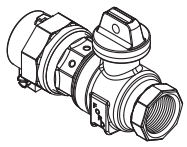
** For **stop and waste** feature on these ball valves, insert "SW" into the catalog number and add to price. **95.39**
For **Minneapolis Pattern** on 3/4" and 1" ball valves, insert "M" into the catalog number and add to price. **14.56**
For **Minneapolis Pattern** on 1-1/4", 1-1/2" and 2" ball valves, insert "M" into the catalog number and add to price **16.61**
For **360° rotation** of tee-head, insert "R" into the catalog number. Example: B44-333R-NL. Add to price **2.49**
Tracer wire terminal available on 3/4" through 2" Quick Joint nuts, insert "-TW-Q" into catalog number. Example: B44-333-TW-Q-NL. . . **14.39**

▲ For Secura-Lok™ option, insert "SLB" into the catalog number and add to price **53.96**
Example: B11-233SLB-NL

Handles are available on page G-32.

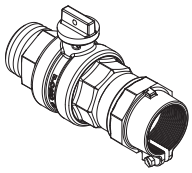
PACK JOINT BY IRON PIPE BALL VALVE CURB STOPS (CONTINUED)

PACK JOINT FOR PVC/IPS PE PIPE BY FEMALE IRON PIPE THREAD



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	PVC/IPS PE End	FIP End			
B71-333-NL	3/4"	3/4"	3/4"	2.0	8	**$ 163.39**
B71-343-NL	3/4"	1"	3/4"	2.4	5	**181.25**
B71-344-NL	3/4"	1"	1"	2.5	4	**188.08**
B71-444-NL	1"	1"	1"	2.9	4	**232.02**
B71-555-NL	1-1/4"	1-1/4"	1-1/4"	5.7	2	**385.04**
+* **B71-666-NL**	1-1/2"	1-1/2"	1-1/2"	6.3	1	**489.82**
* **B71-777-NL**	2"	2"	2"	10.5	1	**683.33**

MALE IRON PIPE THREAD BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)

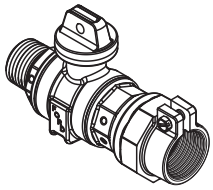


Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	MIP End	CTS End			
● ♦ **B84-333-NL**	3/4"	3/4"	3/4"	1.8	6	**$ 161.71**
► **B84-344W-NL**	3/4"	1"	1"	2.0	6	**200.65**
● ♦ **B84-444-NL**	1"	1"	1"	2.4	6	**222.90**
B84-455-NL	1"	1-1/4"	1-1/4"	3.4	2	**283.22**
♦ **B84-666-NL**	1-1/2"	1-1/2"	1-1/2"	6.3	1	**518.91**
♦ **B84-777-NL**	2"	2"	2"	9.4	1	**697.68**
B84-788-NL	2"	2-1/2"	2-1/2"	11.8	1	**958.11**

Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: B84-333-G-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

MALE IRON PIPE THREAD BY PACK JOINT FOR PVC/IPS PE*** PIPE



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	MIP End	PVC/IPS PE End			
B87-333-NL	3/4"	3/4"	3/4"	2.2	6	**$ 163.39**
B87-334-NL	3/4"	3/4"	1"	2.6	4	**181.25**
B87-444-NL	1"	1"	1"	3.2	2	**272.49**
* **B87-777-NL**	2"	2"	2"	11.2	1	**832.62**

*** Ford Pack Joints for PVC are only recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11

G

OPTION INFORMATION FOR VALVES ON THIS PAGE

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: B44-333-Q-NL

► Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: B84-344W-U-AWT-NL

● Ultra-Tite compression is available. Insert "-U" into the catalog number. Example: B84-333-U-NL

For **reclaimed water tee-head** (sold only with padlock wing option) insert "RW" into the catalog number. Example: BRW44-333W-NL

Padlock wing option is included in the price of reclaimed water tee-head. Add to price . . . . . **$ 10.45**

For **padlock wings** - Insert "W" into the catalog number and add to price **5.03**

* For **stop and waste** feature on these ball valves, change "B" to "BC" and add "SW" to end of catalog number. Example: BC44-333SW-NL. Add to price for 3/4" and 1" **31.58**

Add to price for 1-1/2" and 2". **95.39**

For **Minneapolis Pattern** on 3/4" and 1" ball valves, insert "M" into the catalog number and add to price. **14.56**

For **Minneapolis Pattern** on 1-1/4", 1-1/2" and 2" ball valves, insert "M" into the catalog number and add to price **16.61**

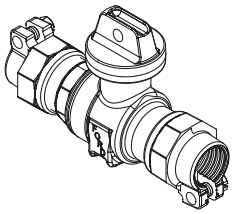
For **360° rotation** of tee-head, insert "R" into the catalog number. Example: B44-333R-NL. Add to price **2.49**

Tracer wire terminal available on 3/4" through 2" Quick Joint nuts, insert "-TW-Q" into catalog number. Example: B44-333-TW-Q-NL. . . **14.39**

\+ Uses Ballcorp style Pack Joint nut.

Handles are available on page G-32.

PACK JOINT BY PACK JOINT BALL VALVE CURB STOPS
WITH BOTH ENDS FOR SAME TYPE OF PIPE OR TUBING

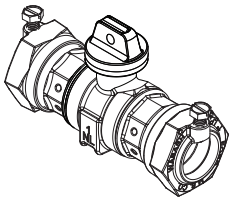


PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BOTH ENDS

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
▲●*♦ **B44-333-NL**	3/4"	3/4"	3/4"	2.0	6	**$ 158.46**
► ♦ **B44-343-NL**	3/4"	1"	3/4"	2.2	6	**171.99**
● ♦ **B44-344-NL**	3/4"	1"	1"	2.6	4	**201.43**
●*♦ **B44-444-NL**	1"	1"	1"	2.8	5	**238.25**
♦ **B44-445-NL**	1"	1"	1-1/4"	3.3	4	**269.09**
● ♦ **B44-455-NL**	1"	1-1/4"	1-1/4"	3.9	2	**299.86**
♦ **B44-555-NL**	1-1/4"	1-1/4"	1-1/4"	6.0	1	**377.46**
*♦ **B44-666-NL**	1-1/2"	1-1/2"	1-1/2"	7.1	1	**570.06**
B44-677-NL	1-1/2"	2"	2"	8.5	1	**712.53**
*♦ **B44-777-NL**	2"	2"	2"	10.9	1	**801.42**

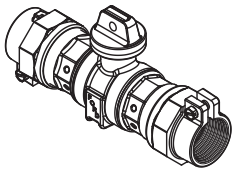
Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: B44-333-G-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.



PACK JOINT FOR IRON PIPE BOTH ENDS

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
B55-333-NL	3/4"	3/4"	3/4"	2.4	6	**$ 197.64**
B55-444-NL	1"	1"	1"	3.7	2	**306.75**
* **B55-666-NL**	1-1/2"	1-1/2"	1-1/2"	6.9	1	**543.67**
* **B55-777-NL**	2"	2"	2"	12.6	1	**837.81**

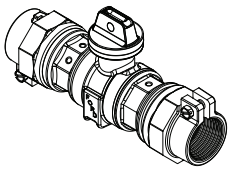


PACK JOINT FOR (SIDR7) PE PIPE BOTH ENDS

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
● ♦ **B66-333-NL**	3/4"	3/4"	3/4"	2.7	4	**$ 201.43**
► **B66-344-NL**	3/4"	1"	1"	3.3	2	**237.30**
● ♦ **B66-444-NL**	1"	1"	1"	3.9	2	**306.75**
B66-555-NL	1-1/4"	1-1/4"	1-1/4"	7.0	1	**449.26**

Grip Joint for 3/4" and 1" PEP is available. Insert "-G" into the catalog number. Example: B66-333-G-NL

G



PACK JOINT FOR PVC*** PIPE BOTH ENDS

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
B77-333-NL	3/4"	3/4"	3/4"	2.7	4	**$ 201.43**
B77-344-NL	3/4"	1"	1"	3.5	2	**237.30**
B77-444-NL	1"	1"	1"	4.1	2	**306.75**
B77-555-NL	1-1/4"	1-1/4"	1-1/4"	7.5	1	**485.37**
+* **B77-666-NL**	1-1/2"	1-1/2"	1-1/2"	7.8	1	**588.06**
* **B77-777-NL**	2"	2"	2"	13.1	2	**881.81**

*** Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11.

OPTION INFORMATION FOR VALVES ON THIS PAGE

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: B44-333-Q-NL

► Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: B44-343-U-AWT-NL

● Ultra-Tite compression is available. Insert "-U" into the catalog number. Example: B44-333-U-NL

For **reclaimed water tee-head** (sold only with padlock wing option) insert "RW" into the catalog number. Example: BRW44-333W-NL

Padlock wing option is included in the price of reclaimed water tee-head. Add to price . . . . . **$ 10.45**

For **padlock wings** - Insert "W" into the catalog number and add to price **5.03**

* For **stop and waste** feature on these ball valves, change "B" to "BC" and add "SW" to end of catalog number. Example: BC44-333SW-NL. Add to price for 3/4" and 1" **31.58**

Add to price for 1-1/2" and 2". **95.39**

** For **stop and waste** feature on these ball valves, insert "SW" into the catalog number and add to price. **95.39**

For **Minneapolis Pattern** on 3/4" and 1" ball valves, insert "M" into the catalog number and add to price. **14.56**

For **Minneapolis Pattern** on 1-1/4", 1-1/2" and 2" ball valves, insert "M" into the catalog number and add to price **16.61**

For **360° rotation** of tee-head, insert "R" into the catalog number. Example: B44-333R-NL. Add to price **2.49**

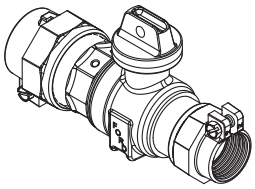
Tracer wire terminal available on 3/4" through 2" Quick Joint nuts, insert "-TW-Q" into catalog number. Example: B44-333-TW-Q-NL. . . **14.39**

▲ For Secura-Lok™ option, insert "SLB" into the catalog number and add to price **53.96**
Example: B44-333SLB-NL
Uses Ballcorp style Pack Joint nut.

Handles are available on page G-32.

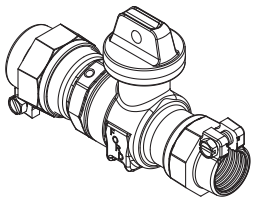
PACK JOINT BY PACK JOINT BALL VALVE CURB STOPS

WITH ENDS FOR DIFFERENT TYPE OF PIPE OR TUBING



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BY PACK JOINT FOR PE PIPE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	CTS End	PEP End			
● ♦**B46-333-NL**	3/4"	3/4"	3/4"	2.2	5	**$ 188.08**
► **B46-334-NL**	3/4"	3/4"	1"	2.6	4	**206.15**
● ♦**B46-444-NL**	1"	1"	1"	3.1	4	**284.54**
***B46-666-IDR7-NL**	1-1/2"	1-1/2"	1-1/2"	7.9	1	**580.04**



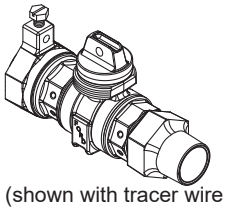
PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BY PACK JOINT FOR PVC/IPS PE*** PIPE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	CTS End	PEP End			
● ♦ **B47-333-NL**	3/4"	3/4"	3/4"	2.2	5	**$ 188.08**
● ♦♦**B47-444-NL**	1"	1"	1"	3.2	4	**284.54**

♦♦ **Quick Joint** for CTS is only available with padlock wing option. Add "W-Q" to the end of the catalog number. Example: B47-444W-Q-NL

*** Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11.

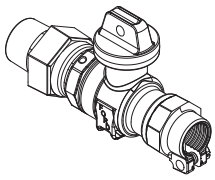
PACK JOINT BY FLARE COPPER BALL VALVE CURB STOPS



(shown with tracer wire Quick Joint nut)

PACK JOINT FOR (SIDR7) PE PIPE BY FLARE COPPER

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	PEP End	Flare End			
● ♦**B62-333-NL**	3/4"	3/4"	3/4"	2.6	-	**$ 181.25**
● ♦**B62-444-NL**	1"	1"	1"	3.3	2	**273.03**
***B62-666-IDR7-NL**	1-1/2"	1-1/2"	1-1/2"	8.4	1	**580.04**
****B62-777-IDR7-NL**	2"	2"	2"	-	-	**898.10**



FLARE COPPER BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Flare End	CTS End			
► **B24-334-NL**	3/4"	3/4"	1"	2.2	6	**$ 181.36**
● ♦**B24-444-NL**	1"	1"	1"	2.9	4	**230.05**

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

OPTION INFORMATION FOR VALVES ON THIS PAGE

Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: B46-444-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: B46-444-Q-NL

► Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Ex: B46-333-U-AWT-NL

● Ultra-Tite compression is available. Insert "-U" into the catalog number. Example: B24-444-U-NL

For **reclaimed water tee-head** (sold only with padlock wing option) insert "RW" into the catalog number. Example: BRW46-333W-NL

Padlock wing option is included in the price of reclaimed water tee-head. Add to price . . . . . **$ 10.45**

For **padlock wings** - Insert "W" into the catalog number and add to price **5.03**

* For **stop and waste** feature on these ball valves, change "B" to "BC" and add "SW" to end of catalog number. Example: BC46-333SW-NL. Add to price for 3/4" and 1" **31.58**

Add to price for 1-1/2" and 2". **95.39**

** For **stop and waste** feature on these ball valves, insert "SW" into the catalog number and add to price. **95.39**

For **Minneapolis Pattern** on 3/4" and 1" ball valves, insert "M" into the catalog number and add to price. **14.56**

For **Minneapolis Pattern** on 1-1/4", 1-1/2" and 2" ball valves, insert "M" into the catalog number and add to price **16.61**

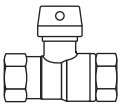
For **360° rotation** of tee-head, insert "R" into the catalog number. Example: B44-333R-NL. Add to price **2.49**

Tracer wire terminal available on 3/4" through 2" Quick Joint nuts, insert "-TW-Q" into catalog number. Example: B44-333-TW-Q-NL. . **14.39**

Handles are available on page G-32.

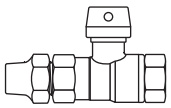
'BH' SERIES BALL VALVE CURB STOPS
(VALVES WITH A FULL 5/8" ROUND WATER PASSAGE AND HEAVY TEE-HEAD)

FEMALE IRON PIPE THREAD BOTH ENDS



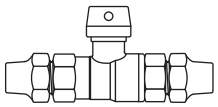
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
BH11-211-NL	5/8"	1/2"	1/2"	1.3	12	**$ 89.60**
BH11-231-NL	5/8"	3/4"	1/2"	1.3	12	**89.60**
BH11-233-NL	5/8"	3/4"	3/4"	1.2	12	**89.60**

FLARE COPPER BY FEMALE IRON PIPE THREAD



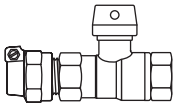
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size and Type	Flare End	FIP End			
BH21-231-NL	5/8"	3/4"	1/2"	1.8	10	**$ 99.15**
BH21-233-NL	5/8"	3/4"	3/4"	1.7	10	**99.15**
BH21-233M-NL	5/8" Minneapolis	3/4"	3/4"	2.0	8	**113.71**

FLARE COPPER BOTH ENDS



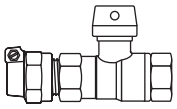
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size and Type	Inlet Size	Outlet Size			
BH22-233-NL	5/8"	3/4"	3/4"	2.2	6	**$ 111.20**
BH22-233M-NL	5/8" Minneapolis	3/4"	3/4"	2.5	6	**125.77**

PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BY FEMALE IRON PIPE THREAD



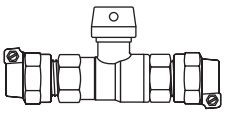
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size and Type	CTS End	FIP End			
► **BH41-231-NL**	5/8"	3/4"	1/2"	1.8	9	**$ 104.65**
►♦ **BH41-233-NL**	5/8"	3/4"	3/4"	1.7	10	**104.65**
► **BH41-233M-NL**	5/8" Minneapolis	3/4"	3/4"	1.9	9	**119.23**

PACK JOINT FOR (SIDR7) PE PIPE BY FEMALE IRON PIPE THREAD



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	PEP End	FIP End			
► **BH61-233-NL**	5/8"	3/4"	3/4"	2.0	-	**$ 119.79**

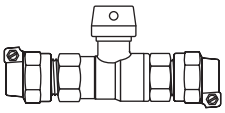
PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BOTH ENDS



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size and Type	Inlet Size	Outlet Size			
►♦ **BH44-233-NL**	5/8"	3/4"	3/4"	2.0	6	**$ 112.63**
► **BH44-233M-NL**	5/8" Minneapolis	3/4"	3/4"	2.3	6	**127.19**

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

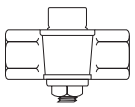
PACK JOINT FOR (SIDR7) PE PIPE BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	PEP End	CTS End			
► **BH64-233-NL**	5/8"	3/4"	3/4"	2.2	5	**$ 131.53**

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

1/2" SOLID TEE-HEAD KEY VALVE CURB STOPS



Catalog Number	Valve Size	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
		Inlet Size and Type	Outlet Size and Type			
ZX11-111-NL	1/2"	1/2" Female Iron Pipe	1/2" Female Iron Pipe	0.6	25	**$ 54.77**

OPTION INFORMATION FOR VALVES ON THIS PAGE

Grip Joint for CTS and PEP is available. Insert "-G" into the catalog number. Example: BH41-233-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: BH41-233-Q-NL

► Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: BH41-333-U-AWT-NL

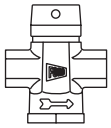
For **360º rotation** of tee-head, insert "R" into the catalog number. Example: BH41-233R-NL. Add to price . . . . . **$ 2.49**

NOTE: Padlock wing option is not available on BH-style curb stops.

Handles are available on page G-32.

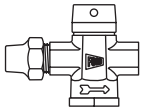
INVERTED KEY CURB STOPS

FEMALE IRON PIPE THREAD BOTH ENDS



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size and Type	Inlet Size	Outlet Size			
Z11-333-NL	3/4"	3/4"	3/4"	2.1	8	**$ 97.10**
Z11-333SW-NL	3/4" Stop and Waste	3/4"	3/4"	2.1	8	**105.31**
ZS11-333-NL	3/4"	3/4"	3/4"	2.0	9	**97.10**
ZS11-333SW-NL	3/4" Stop and Waste	3/4"	3/4"	2.2	6	**105.31**
ZL11-333-NL	3/4"	3/4"	3/4"	2.3	6	**99.93**
ZL11-333SW-NL	3/4" Stop and Waste	3/4"	3/4"	2.3	6	**108.33**
Z11-444-NL	1"	1"	1"	3.7	2	**169.48**
Z11-444SW-NL	1" Stop and Waste	1"	1"	3.7	2	**177.90**

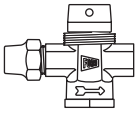
FLARE COPPER BY FEMALE IRON PIPE THREAD



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size and Type	Flare Size	FIP Size			
Z21-333-NL	3/4"	3/4"	3/4"	2.4	6	**$ 111.20**
Z21-333SW-NL	3/4" Stop and Waste	3/4"	3/4"	2.3	6	**119.67**
Z21-444-NL	1"	1"	1"	4.2	2	**194.27**
Z21-444SW-NL	1" Stop and Waste	1"	1"	3.8	2	**202.63**

Notes: Stop and waste feature is on FIP side of valve.

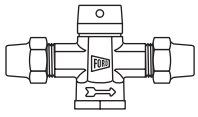
MINNEAPOLIS PATTERN VALVE - FLARE COPPER BY FEMALE IRON PIPE THREAD



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size and Type	Flare Size	FIP Size			
Z21-333M-NL	3/4" Minneapolis	3/4"	3/4"	2.5	6	**$ 129.82**
Z21-444M-NL	1" Minneapolis	1"	1"	4.2	2	**212.45**

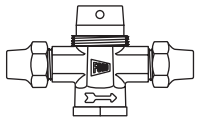
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FLARE COPPER BOTH ENDS



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size and Type	Inlet Size	Outlet Size			
Z22-111-NL	1/2"	1/2"	1/2"	1.5	10	**$ 92.49**
Z22-111SW-NL	1/2" Stop and Waste	1/2"	1/2"	1.5	10	**100.76**
Z22-322-NL	3/4"	5/8"	5/8"	2.7	4	**127.81**
Z22-322SW-NL	3/4" Stop and Waste	5/8"	5/8"	2.7	4	**136.32**
Z22-333-NL	3/4"	3/4"	3/4"	2.8	4	**127.81**
Z22-333SW-NL	3/4" Stop and Waste	3/4"	3/4"	2.8	4	**136.22**
Z22-444-NL	1"	1"	1"	4.5	5	**212.72**
Z22-444SW-NL	1" Stop and Waste	1"	1"	4.5	5	**221.15**

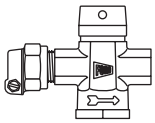
MINNEAPOLIS PATTERN VALVE - FLARE COPPER BOTH ENDS



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size and Type	Inlet Size	Outlet Size			
Z22-333M-NL	3/4" Minneapolis	3/4"	3/4"	2.9	4	**$ 146.12**
Z22-333SWM-NL	3/4" Stop and Waste / Minneapolis	3/4"	3/4"	2.9	4	**154.46**
Z22-444M-NL	1" Minneapolis	1"	1"	4.7	5	**231.01**
Z22-444SWM-NL	1" Stop and Waste / Minneapolis	1"	1"	4.6	5	**239.50**

PACK JOINT INVERTED KEY CURB STOPS

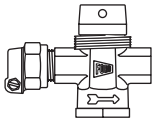
PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BY FEMALE IRON PIPE THREAD



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size and Type	CTS Size	FIP Size			
► Z41-333-NL	3/4"	3/4"	3/4"	2.3	6	$ 117.33
► Z41-333SW-NL	3/4" Stop and Waste	3/4"	3/4"	2.2	6	126.23
► Z41-444-NL	1"	1"	1"	4.0	2	195.25
► Z41-444SW-NL	1" Stop and Waste	1"	1"	4.0	2	203.82

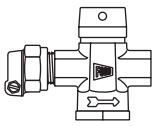
Note: Stop and waste feature is on FIP side of valve.

MINNEAPOLIS PATTERN VALVE - PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BY FEMALE IRON PIPE THREAD



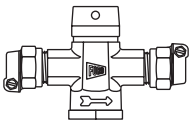
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size and Type	Inlet Size	Outlet Size			
► Z41-333M-NL	3/4" Minneapolis	3/4"	3/4"	2.5	6	$ 136.22
► Z41-444M-NL	1" Minneapolis	1"	1"	4.2	2	213.59

PACK JOINT FOR PE PIPE BY FEMALE IRON PIPE THREAD



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size and Type	PEP Size	FIP Size			
► Z61-333-NL	3/4"	3/4"	3/4"	2.5	6	$ 128.81
► Z61-333SW-NL	3/4" Stop and Waste	3/4"	3/4"	2.5	6	137.02
►♦ Z61-444-NL	1"	1"	1"	4.3	2	202.71
► Z61-444SW-NL	1" Stop and Waste	1"	1"	4.3	2	211.05

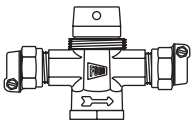
PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BOTH ENDS



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size and Type	Inlet Size	Outlet Size			
♦ Z44-111-NL	1/2"	1/2"	1/2"	1.6	8	$ 97.44
♦ Z44-111SW-NL	1/2" Stop and Waste	1/2"	1/2"	1.6	8	105.78
♦ Z44-322-NL	3/4"	5/8"	5/8"	2.9	4	152.27
♦ Z44-322SW-NL	3/4" Stop and Waste	5/8"	5/8"	2.9	4	160.67
►♦ Z44-333-NL	3/4"	3/4"	3/4"	2.7	4	140.62
►♦ Z44-333SW-NL	3/4" Stop and Waste	3/4"	3/4"	2.7	4	148.94
►♦ Z44-444-NL	1"	1"	1"	4.1	5	217.11
►♦ Z44-444SW-NL	1" Stop and Waste	1"	1"	4.1	5	225.55

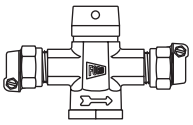
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MINNEAPOLIS PATTERN VALVE - PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BOTH ENDS



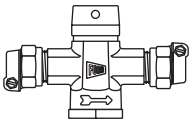
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size and Type	Inlet Size	Outlet Size			
► Z44-333M-NL	3/4" Minneapolis	3/4"	3/4"	2.8	4	$ 159.19
► Z44-333SWM-NL	3/4" Stop and Waste / Minneapolis	3/4"	3/4"	2.8	4	167.49
► Z44-444M-NL	1" Minneapolis	1"	1"	4.3	5	235.25
► Z44-444SWM-NL	1" Stop and Waste / Minneapolis	1"	1"	4.3	5	240.99

PACK JOINT FOR (SIDR7) PE PIPE BOTH ENDS



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size and Type	Inlet Size	Outlet Size			
► Z66-333-NL	3/4"	3/4"	3/4"	2.9	6	$ 173.86
► Z66-333SW-NL	3/4" Stop and Waste	3/4"	3/4"	2.9	6	182.21
► Z66-444-NL	1"	1"	1"	4.9	4	231.38
► Z66-444SW-NL	1" Stop and Waste	1"	1"	5.0	4	239.67

PACK JOINT FOR PVC/IPS PE*** PIPE BOTH ENDS



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size and Type	Inlet Size	Outlet Size			
Z77-333-NL	3/4"	3/4"	3/4"	3.0	4	$ 191.20
Z77-333SW-NL	3/4" Stop and Waste	3/4"	3/4"	2.9	4	199.55
Z77-444-NL	1"	1"	1"	5.1	4	254.52
Z77-444SW-NL	1" Stop and Waste	1"	1"	5.1	4	262.81

*** Ford Pack Joints for PVC are only recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

OPTION INFORMATION FOR INVERTED KEY CURB STOPS

Grip Joint for CTS and PEP is available. Insert "-G" into the catalog number. Example: Z41-333-G-NL

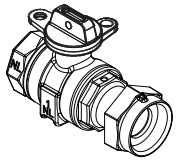
♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: Z61-444-Q-NL

► Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: Z61-333-U-AWT-NL

For **360º rotation** of tee-head, insert "R" into the catalog number. Example: Z41-333R-NL. Add to price . . . . . **$ 2.49**

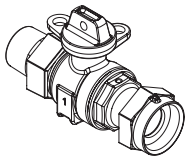
STRAIGHT BALL METER VALVES

FEMALE IRON PIPE THREAD BY METER SWIVEL NUT



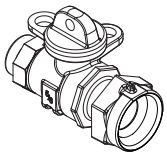
	Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
		Valve Size	Serv. Line Size	Meter Size			
	B13-211W-NL	5/8"	1/2"	5/8"	1.2	-	**$ 87.07**
	B13-212W-NL	5/8"	1/2"	5/8" x 3/4" and 3/4"	1.3	-	**89.52**
	B13-231W-NL	5/8"	3/4"	5/8"	1.2	12	**87.07**
▲	**B13-232W-NL**	5/8"	3/4"	5/8" x 3/4" and 3/4"	1.3	12	**89.52**
	B13-232WW-NL	5/8" Dbl. Locking	3/4"	5/8" x 3/4" and 3/4"	1.3	-	**94.55**
	B13-331W-NL	3/4"	3/4"	5/8"	1.8	6	**144.73**
	B13-332W-NL	3/4"	3/4"	5/8" x 3/4" and 3/4"	1.9	8	**146.80**
	B13-341W-NL	3/4"	1"	5/8"	1.9	8	**148.47**
	B13-342W-NL	3/4"	1"	5/8" x 3/4" and 3/4"	2.0	8	**153.79**
	B13-344W-NL	3/4"	1"	1"	2.1	8	**160.15**
	B13-444W-NL	1"	1"	1"	2.6	5	**219.51**
	B13-454W-NL	1"	1-1/4"	1"	2.8	4	**235.14**

FLARE COPPER BY METER SWIVEL NUT



	Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
		Valve Size	Serv. Line Size	Meter Size			
	B23-231W-NL	5/8"	3/4"	5/8"	1.5	-	**$ 98.45**
	B23-232W-NL	5/8"	3/4"	5/8" x 3/4" and 3/4"	1.6	9	**100.80**
	B23-331W-NL	3/4"	3/4"	5/8"	2.1	-	**154.06**
	B23-332W-NL	3/4"	3/4"	5/8" x 3/4" and 3/4"	2.2	8	**158.07**
	B23-341W-NL	3/4"	1"	5/8"	2.3	8	**179.92**
	B23-342W-NL	3/4"	1"	5/8" x 3/4" and 3/4"	2.4	6	**174.10**
	B23-344W-NL	3/4"	1"	1"	2.6	-	**191.56**
	B23-444W-NL	1"	1"	1"	3.0	5	**235.14**
	B23-454W-NL	1"	1-1/4"	1"	3.9	2	**264.17**

PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BY METER SWIVEL NUT



(shown with Grip Joint nut)

	Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
		Valve Size	Serv. Line Size	Meter Size			
	B43-211W-NL	5/8"	1/2"	5/8"	1.4	10	**$ 115.82**
	B43-212W-NL	5/8"	1/2"	5/8" x 3/4" and 3/4"	1.5	-	**117.83**
	B43-221W-NL	5/8"	5/8"	5/8"	1.6	-	**111.18**
►♦	**B43-231W-NL**	5/8"	3/4"	5/8"	1.5	9	**105.33**
▲●♦	**B43-232W-NL**	5/8"	3/4"	5/8" x 3/4" and 3/4"	1.6	9	**107.77**
†	**B43-232W-EXP-NL**	5/8"	3/4"	5/8" x 3/4" and 3/4"	1.8	9	**142.83**
●	**B43-331W-NL**	3/4"	3/4"	5/8"	2.1	6	**159.80**
●♦	**B43-332W-NL**	3/4"	3/4"	5/8" x 3/4" and 3/4"	2.1	5	**165.01**
†	**B43-332W-EXP-NL**	3/4"	3/4"	5/8" x 3/4" and 3/4"	2.5	-	**200.07**
●♦	**B43-334W-NL**	3/4"	3/4"	1"	2.3	5	**181.68**
►♦	**B43-341W-NL**	3/4"	1"	5/8"	2.1	5	**186.35**
●♦	**B43-342W-NL**	3/4"	1"	5/8" x 3/4" and 3/4"	2.2	5	**178.33**
●♦	**B43-344W-NL**	3/4"	1"	1"	2.4	4	**198.44**
●♦	**B43-444W-NL**	1"	1"	1"	2.9	4	**243.93**
	B43-454W-NL	1"	1-1/4"	1"	3.6	-	**266.38**

Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: B43-332W-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: B43-332W-Q-NL
Tracer wire terminal available on 3/4" through 2" Quick Joint nuts, insert "-TW-Q" into catalog number. Example: B43-332W-TW-Q-NL . . . . . **$ 14.39**

† "-EXP" denotes expanding meter nut.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

OPTION INFORMATION FOR VALVES ON THIS PAGE

► Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: B43-332W-U-AWT-NL

● Ultra-Tite compression is available. Insert "-U" into the catalog number. Example: B43-332W-U-NL

For **reclaimed water tee-head with padlock wing**, insert "RW" into the catalog number. Example: BRW43-332W-NL. Add to price . . . . **$ 5.42**

For **360º rotation** of tee-head, insert "R" into the catalog number. Example: B13-232WR-NL. Add to price **2.49**

▲ For Secura-Lok™ option, insert "SLB" into the catalog number and add to price. **53.96**
Example: B43-232SLB-NL

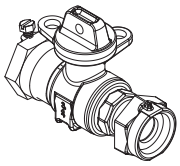
Handles are available on page G-32.

Valves with "W" listed above available only with padlock wings.

Gaskets are furnished with all meter valves.

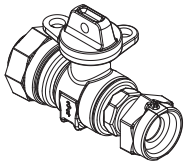
STRAIGHT BALL METER VALVES - CONTINUED

PACK JOINT FOR IRON PIPE BY METER SWIVEL NUT



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
B53-212W-NL	5/8"	1/2"	5/8" x 3/4" and 3/4"	1.6	-	**$ 103.05**
B53-232W-NL	5/8"	3/4"	5/8" x 3/4" and 3/4"	1.7	9	**112.89**
B53-332W-NL	3/4"	3/4"	5/8" x 3/4" and 3/4"	2.1	6	**186.11**

PACK JOINT FOR (SIDR7) PE PIPE BY METER SWIVEL NUT

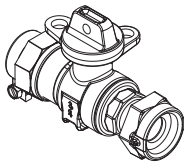


(shown with Quick Joint nut)

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
► **B63-231W-NL**	5/8"	3/4"	5/8"	1.7	-	**$ 117.84**
►♦ **B63-232W-NL**	5/8"	3/4"	5/8" x 3/4" and 3/4"	1.8	10	**120.19**
► **B63-331W-NL**	3/4"	3/4"	5/8"	2.2	-	**186.35**
►♦ **B63-332W-NL**	3/4"	3/4"	5/8" x 3/4" and 3/4"	2.3	5	**178.39**
► **B63-342W-NL**	3/4"	1"	5/8" x 3/4" and 3/4"	2.6	4	**196.19**
► **B63-344W-NL**	3/4"	1"	1"	3.0	3	**211.94**
►♦ **B63-444W-NL**	1"	1"	1"	3.6	2	**266.23**

Grip Joint for PEP is available. Insert "-G" into the catalog number. Example: B63-332W-G-NL
♦**Quick Joint** is available. Insert "-Q" into the catalog number. Example: B63-332W-Q-NL

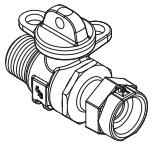
PACK JOINT FOR PVC/IPS PE PIPE BY METER SWIVEL NUT



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
B73-231W-NL	5/8"	3/4"	5/8"	1.7	8	**$ 117.84**
B73-232W-NL	5/8"	3/4"	5/8" x 3/4" and 3/4"	1.8	10	**120.19**
B73-331W-NL	3/4"	3/4"	5/8"	2.2	-	**186.35**
B73-332W-NL	3/4"	3/4"	5/8" x 3/4" and 3/4"	2.3	6	**178.39**
B73-342W-NL	3/4"	1"	5/8" x 3/4" and 3/4"	3.0	4	**196.19**
B73-344W-NL	3/4"	1"	1"	3.1	4	**211.94**
B73-444W-NL	1"	1"	1"	3.7	2	**266.23**

Note: Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11.

MALE IRON PIPE THREAD BY METER SWIVEL NUT



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
B83-231W-NL	5/8"	3/4"	5/8"	1.2	12	**$ 93.13**
B83-232W-NL	5/8"	3/4"	5/8" x 3/4" and 3/4"	1.3	12	**95.47**
B83-242W-NL	5/8"	1"	5/8" x 3/4" and 3/4"	1.4	-	**118.52**
B83-332W-NL	3/4"	3/4"	5/8" x 3/4" and 3/4"	2.1	6	**151.51**
B83-444W-NL	1"	1"	1"	2.8	4	**219.15**

OPTION INFORMATION FOR VALVES ON THIS PAGE

► Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: B63-332W-U-AWT-NL

● Ultra-Tite compression is available. Insert "-U" into the catalog number. Example: B63-331W-U-NL
For **reclaimed water tee-head with padlock wing**, insert "RW" into the catalog number. Example: BRW63-332W-NL. Add to price. . . . **$ 5.42**
For **360º rotation** of tee-head, insert "R" into the catalog number. Example: B53-332WR-NL. Add to price **2.49**
Handles are available on page G-32.

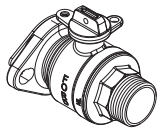
Valves with "W" listed above available only with padlock wings.
Gaskets are furnished with all meter valves.

STRAIGHT BALL FLANGE METER VALVES



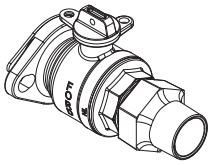
FEMALE IRON PIPE THREAD BY METER FLANGE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
BF13-666W-NL	1-1/2"	1-1/2"	1-1/2"	6.5	4	**$ 411.96**
BF13-676W-NL	1-1/2"	2"	1-1/2"	6.8	1	**440.74**
BF13-777W-NL	2"	2"	1-1/2" and 2"	8.8	3	**656.91**
BF13-787W-NL	2"	2-1/2"	1-1/2" and 2"	9.3	2	**663.49**



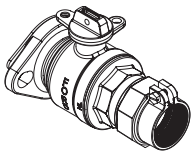
MALE IRON PIPE THREAD BY METER FLANGE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
BF83-666W-NL	1-1/2"	1-1/2"	1-1/2"	6.9	3	**$ 436.15**
BF83-777W-NL	2"	2"	1-1/2" and 2"	9.1	3	**705.68**



FLARE COPPER BY METER FLANGE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
BF23-666W-NL	1-1/2"	1-1/2"	1-1/2"	8.2	3	**$ 485.55**
BF23-676W-NL	1-1/2"	2"	1-1/2"	-	2	**596.78**
BF23-777W-NL	2"	2"	1-1/2" and 2"	12.2	2	**779.30**



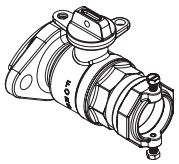
PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BY METER FLANGE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
♦ **BF43-666W-NL**	1-1/2"	1-1/2"	1-1/2"	7.7	3	**$ 436.15**
BF43-676W-NL	1-1/2"	2"	1-1/2"	8.4	3	**537.26**
♦ **BF43-777W-NL**	2"	2"	1-1/2" and 2"	10.6	2	**738.78**
BF43-787W-NL	2"	2-1/2"	1-1/2" and 2"	12.1	-	**795.68**

Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: BF43-666W-G-NL

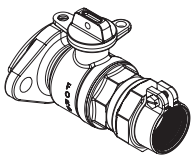
♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: BF43-666W-Q-NL

Tracer wire terminal available on 3/4" through 2" Quick Joint nuts, insert "-TW-Q" into catalog number Example: BF43-666W-TW-Q-NL. Add to price . . . . . **$ 14.39**



PACK JOINT FOR IRON PIPE BY METER FLANGE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
BF53-666W-NL	1-1/2"	1-1/2"	1-1/2"	7.6	3	**$ 487.71**
BF53-777W-NL	2"	2"	1-1/2" and 2"	11.3	2	**757.17**



PACK JOINT FOR PE PIPE BY METER FLANGE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
BF63-666W-IDR7-NL	1-1/2"	1-1/2"	1-1/2"	8.4	1	**$ 504.60**
BF63-777W-IDR7-NL	2"	2"	1-1/2" and 2"	12.0	2	**795.68**

PACK JOINT FOR PVC/IPS PE* PIPE BY METER FLANGE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
+ **BF73-666W-NL**	1-1/2"	1-1/2"	1-1/2"	8.0	3	**$ 509.91**
BF73-777W-NL	2"	2"	1-1/2" and 2"	12.1	2	**779.30**

+ Uses Ballcorp style Pack Joint nut.

* Ford Pack Joints for PVC are only recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11.

OPTION INFORMATION FOR VALVES ON THIS PAGE

For **reclaimed water tee-head with padlock wing** insert "RW" into the catalog number. Example: BFRW43-666W-NL. Add to price . . . . . **$ 5.42**

For **360º rotation** of tee-head, insert "R" into the catalog number. Example: BF13-666WR-NL. Add to price **2.49**

For **meter support brackets** (two per valve), insert "MSB" into catalog number. Example: BF13-666W-MSB-NL. Add to price **15.81**

Steel bolts and nuts (5/8" x 2-1/2" zinc plated) for attaching 1-1/2" and 2" flange valves, per pair (catalog number: **PSB**) **11.45**

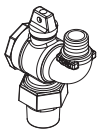
Handles are available on page G-32.

Straight ball flange meter valves available only with padlock wings.

Gaskets are furnished with all meter valves - flat drop in for 1-1/2" and 2" flanged valves.

G

BLOW-OFF BALL VALVES



FLARE COPPER BY MALE IRON PIPE

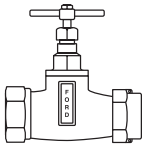
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet	Outlet			
BLA28-443-TA-NL	1"	1"	3/4"	2.6	4	$ 283.22
BLA28-677-TA-AWT-NL	1-1/2"	2"	2"	10.4	1	818.33



FEMALE IRON PIPE BY MALE IRON PIPE

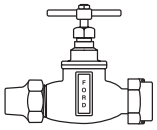
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet	Outlet			
BLA18-677-TA-NL	1-1/2"	2"	2"	5.6	1	$ 560.47
BLA18-777-TA-NL	2"	2"	2"	9.4	2	651.69

STRAIGHT COMPRESSION METER VALVES



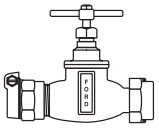
FEMALE IRON PIPE THREAD BY METER SWIVEL NUT

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Svc. Line Size	Meter Size			
SG13-331-NL	3/4"	3/4"	5/8"	1.6	8	$ 97.72
SG13-332-NL	3/4"	3/4"	5/8" x 3/4" and 3/4"	1.6	8	103.31
SG13-444-NL	1"	1"	1"	2.3	5	151.88



FLARE COPPER BY METER SWIVEL NUT

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Svc. Line Size	Meter Size			
SG23-331-NL	3/4"	3/4"	5/8"	1.9	6	$ 115.13
SG23-332-NL	3/4"	3/4"	5/8" x 3/4" and 3/4"	1.9	6	121.13



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BY METER SWIVEL NUT

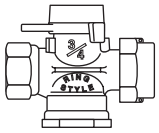
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Svc. Line Size	Meter Size			
► SG43-332-NL	3/4"	3/4"	5/8" x 3/4" and 3/4"	1.8	6	$ 129.96

Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: SG43-332-G-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

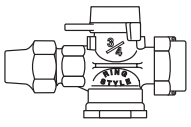
G

STRAIGHT INVERTED KEY METER VALVES



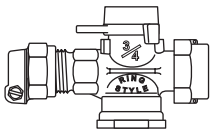
FEMALE IRON PIPE THREAD BY METER SWIVEL NUT

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Svc. Line Size	Meter Size			
SV13-331W-NL	3/4"	3/4"	5/8"	1.9	-	$ 100.62
SV13-332W-NL	3/4"	3/4"	5/8" x 3/4" and 3/4"	2.0	-	105.78
SV13-444W-NL	1"	1"	1"	3.8	2	188.76



FLARE COPPER BY METER SWIVEL NUT

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Svc. Line Size	Meter Size			
SV23-332W-NL	3/4"	3/4"	5/8" x 3/4" and 3/4"	2.3	5	$ 115.69



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BY METER SWIVEL NUT

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Svc. Line Size	Meter Size			
► SV43-332W-NL	3/4"	3/4"	5/8" x 3/4" and 3/4"	2.3	6	$ 123.17

Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: SV43-332W-G-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

OPTION INFORMATION FOR VALVES ON THIS PAGE

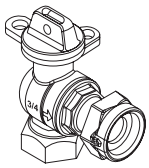
►Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: SG43-332W-U-AWT-NL

All straight inverted key meter valves have padlock wings.
Gaskets are furnished with all meter valves.

ANGLE BALL METER VALVES

NOTE: ANGLE BALL METER VALVES ARE DESIGNED FOR ONE FLOW DIRECTION FROM INLET TO OUTLET (ATTACH TO INLET SIDE OF METER ONLY).

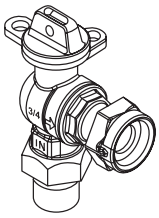
FEMALE IRON PIPE THREAD INLET BY METER SWIVEL NUT OUTLET



Catalog Number	Description			Approx. Wt. Lbs.	Std Pkg. Qty	List Price
	Valve Size and Type	Serv. Line Size	Meter Size			
▲* **BA13-231W-NL**	5/8"	3/4"	5/8"	1.2	12	**$ 86.15**
▲* **BA13-232W-NL**	5/8"	3/4"	5/8" x 3/4" and 3/4"	1.3	12	**90.49**
+ **BA13-232W-EXP-NL**	5/8"	3/4"	5/8" x 3/4" and 3/4"	1.5	7	**125.55**
* ⌂ **BA13-232WW-NL**	5/8" Dbl. Locking	3/4"	5/8" x 3/4" and 3/4"	1.3	10	**95.52**
BA13-331W-NL	3/4"	3/4"	5/8"	1.7	6	**163.04**
▲ **BA13-332W-NL**	3/4"	3/4"	5/8" x 3/4" and 3/4"	1.8	6	**165.21**
+ **BA13-332W-EXP-NL**	3/4"	3/4"	5/8" x 3/4" and 3/4"	2.2	4	**200.27**
⌂ **BA13-332WW-NL**	3/4" Dbl. Locking	3/4"	5/8" x 3/4" and 3/4"	1.9	-	**170.24**
BA13-334W-NL	3/4"	3/4"	1"	2.0	6	**174.88**
BA13-341W-NL	3/4"	1"	5/8"	1.9	6	**169.91**
BA13-342W-NL	3/4"	1"	5/8" x 3/4" and 3/4"	1.9	6	**171.95**
BA13-344W-NL	3/4"	1"	1"	2.1	5	**181.62**
▲ **BA13-444W-NL**	1"	1"	1"	2.5	4	**248.92**
⌂ **BA13-444WW-NL**	1" Dbl. Locking	1"	1"	2.6	-	**253.95**

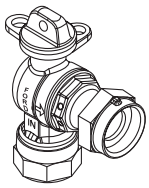
⌂ Double padlock wing for locking in either open or closed position.
+ "-EXP" denotes expanding meter nut.

FLARE COPPER INLET BY METER SWIVEL NUT OUTLET



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
* **BA23-231W-NL**	5/8"	3/4"	5/8"	1.5	8	**$ 100.17**
* **BA23-232W-NL**	5/8"	3/4"	5/8" x 3/4" and 3/4"	1.6	8	**104.32**
* **BA23-241W-NL**	5/8"	1"	5/8"	1.8	6	**131.46**
BA23-242W-NL	5/8"	1"	5/8" x 3/4" and 3/4"	1.9	6	**135.26**
BA23-331W-NL	3/4"	3/4"	5/8"	2.1	5	**174.12**
BA23-332W-NL	3/4"	3/4"	5/8" x 3/4" and 3/4"	2.2	5	**176.53**
BA23-341W-NL	3/4"	1"	5/8"	2.3	-	**189.28**
BA23-342W-NL	3/4"	1"	5/8" x 3/4" and 3/4"	2.4	4	**191.46**
BA23-344W-NL	3/4"	1"	1"	2.6	4	**201.43**
BA23-444W-NL	1"	1"	1"	3.0	5	**263.48**

PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) INLET BY METER SWIVEL NUT OUTLET

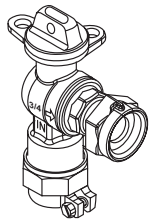


(shown with Quick Joint nut)

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
*►♦ **BA43-231W-NL**	5/8"	3/4"	5/8"	1.5	8	**$ 102.10**
▲*►♦ **BA43-232W-NL**	5/8"	3/4"	5/8" x 3/4" and 3/4"	1.6	8	**106.27**
*► **BA43-241W-NL**	5/8"	1"	5/8"	1.6	8	**132.89**
*► **BA43-242W-NL**	5/8"	1"	5/8" x 3/4" and 3/4"	1.7	7	**137.12**
● ♦ **BA43-331W-NL**	3/4"	3/4"	5/8"	2.0	5	**179.63**
▲● ♦ **BA43-332W-NL**	3/4"	3/4"	5/8" x 3/4" and 3/4"	2.1	5	**181.62**
● ♦ **BA43-334W-NL**	3/4"	3/4"	1"	2.2	5	**191.46**
►♦ **BA43-341W-NL**	3/4"	1"	5/8"	2.1	4	**204.15**
▲►♦ **BA43-342W-NL**	3/4"	1"	5/8" x 3/4" and 3/4"	2.2	4	**206.15**
►♦ **BA43-344W-NL**	3/4"	1"	1"	2.4	6	**215.99**
▲►♦ **BA43-444W-NL**	1"	1"	1"	2.8	5	**272.49**

Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: BA43-332W-G-NL
Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

PACK JOINT FOR (SIDR7) PE PIPE INLET BY METER SWIVEL NUT OUTLET



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
*► **BA63-231W-NL**	5/8"	3/4"	5/8"	1.6	-	**$ 115.40**
*► **BA63-232W-NL**	5/8"	3/4"	5/8" x 3/4" and 3/4"	1.7	7	**120.10**
►♦ **BA63-332W-NL**	3/4"	3/4"	5/8" x 3/4" and 3/4"	2.3	6	**206.15**
►♦ **BA63-342W-NL**	3/4"	1"	5/8" x 3/4" and 3/4"	2.7	3	**239.01**
►♦ **BA63-444W-NL**	1"	1"	1"	3.3	2	**296.86**

Grip Joint for PEP is available. Insert "-G" into the catalog number. Example: BA63-332W-G-NL

PACK JOINT FOR PVC/IPS PE*** PIPE INLET BY METER SWIVEL NUT OUTLET

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
* **BA73-232W-NL**	5/8"	3/4"	5/8" x 3/4" and 3/4"	1.7	7	**$ 120.10**

*** Ford Pack Joints for PVC are only recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11.

OPTION INFORMATION FOR BALL VALVES ON THIS PAGE

►Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: BA43-334W-U-AWT-NL
● Ultra-Tite is available. Insert "-U" into the catalog number. Example BA43-332W-U-NL
♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: BA63-332W-Q-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.
For **reclaimed water tee-head** with padlock wing, insert "RW" into the catalog number. Example: BARW43-332W-NL. Add to price. . . **$ 5.42**
For **360º rotation** of tee-head on ball valves, insert "R" into the catalog number. Example: BA13-332WR-NL. Add to price **2.49**
▲ For Secura-Lok™ option, insert "SLB" into the catalog number and add to price. **53.96**
Example: BA43-444SLB-NL
Handles are available on page G-32.

All angle ball meter valves have padlock wings.
Gaskets are furnished with all meter valves.

ANGLE BALL FLANGE METER VALVES

NOTE: 1-1/2" AND 2" ANGLE BALL METER VALVES ARE SUITABLE FOR A CUSTOMER SIDE SHUT OFF (OUTLET SIDE OF METER) UP TO 300 PSI.

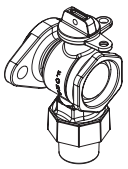


FEMALE IRON PIPE THREAD BY METER FLANGE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
■ **BFA13-666W-NL**	1-1/2"	1-1/2"	1-1/2"	7.1	3	**$ 540.22**
* **BFA13-666W-EXP-NL**	1-1/2"	1-1/2"	1-1/2"	8.6	2	**585.66**
BFA13-677W-NL	1-1/2"	2"	1-1/2" and 2"	7.6	2	**592.73**
■ **BFA13-777W-NL**	2"	2"	1-1/2" and 2"	9.1	2	**637.47**
* **BFA13-777W-EXP-NL**	2"	2"	1-1/2" and 2"	10.8	3	**687.54**

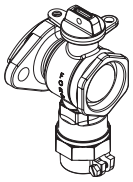
***** "-EXP" denotes expanding meter flange

■ For Secura-Lok™ option, insert "SLB" into the catalog number and add to price. **53.96**
Example: BFA13-777SLB-NL



FLARE COPPER BY METER FLANGE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
BFA23-666W-NL	1-1/2"	1-1/2"	1-1/2"	8.0	1	**$ 600.87**
BFA23-777W-NL	2"	2"	1-1/2" and 2"	12.2	2	**766.21**



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BY METER FLANGE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
▲♦ **BFA43-666W-NL**	1-1/2"	1-1/2"	1-1/2"	7.7	1	**$ 628.65**
▲♦ **BFA43-777W-NL**	2"	2"	1-1/2" and 2"	10.7	2	**798.01**

For **meter support brackets** (two per valve) insert "MSB" into catalog number. Example: BFA43-666W-MSB-NL. Add to price . . . . . **$ 15.81**

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

COMPACT FLANGE ANGLE METER VALVES

NOTE: 1-1/2" AND 2" ANGLE BALL METER VALVES ARE SUITABLE FOR A CUSTOMER SIDE SHUT OFF (OUTLET SIDE OF METER) UP TO 300 PSI.



FEMALE IRON PIPE THREAD BY METER FLANGE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
BFA13-666W-CF-NL	1-1/2"	1-1/2"	1-1/2"	5.9	2	**$ 405.94**



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BY METER FLANGE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
▲♦ **BFA43-666W-CF-NL**	1-1/2"	1-1/2"	1-1/2"	6.8	2	**$ 440.06**

OPTION INFORMATION FOR BALL VALVES ON THIS PAGE

▲**Note:** Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: BFA43-666W-CF-G-NL

♦**Quick Joint** is available. Insert "-Q" into the catalog number. Example: BFA43-666W-CF-Q-NL

For **reclaimed water tee-head with padlock wing** insert "RW" into the catalog number. Example: BFARW43-666W-NL. Add to price. . **$ 5.42**

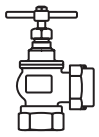
Steel bolts and nuts (5/8" x 2-1/2" zinc plated) for attaching 1-1/2" and 2" flange valves, per pair (catalog number: **PSB**) . . . . . **$ 11.45**

Handles are available on page G-32.

Valves with "W" listed above available only with padlock wings.

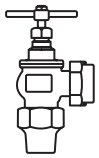
Gaskets are furnished with all meter valves - flat drop in for 1-1/2" and 2" flanged valves.

ANGLE COMPRESSION METER VALVES



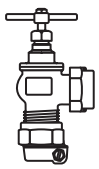
FEMALE IRON PIPE THREAD BY METER SWIVEL NUT

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
GA13-331-NL	3/4"	3/4"	5/8"	1.4	8	**$ 89.32**
GA13-332-NL	3/4"	3/4"	5/8" x 3/4" and 3/4"	1.4	8	**95.22**
GA13-444-NL	1"	1"	1"	2.1	5	**152.12**



FLARE COPPER BY METER SWIVEL NUT

Catalog Number	Description			Approx. Wt. Lbs.	Std Pkg Qty	List Price
	Valve Size	Serv. Line Size	Meter Size			
GA23-331-NL	3/4"	3/4"	5/8"	1.7	-	**$ 106.86**
GA23-332-NL	3/4"	3/4"	5/8" x 3/4" and 3/4"	1.7	8	**112.13**



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BY METER SWIVEL NUT

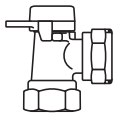
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size & Type	Serv. Line Size	Meter Size			
► **GA43-331-NL**	3/4"	3/4"	5/8"	1.6	-	**$ 124.35**
► **GA43-332-NL**	3/4"	3/4"	5/8" x 3/4" and 3/4"	1.7	-	**127.01**

Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: GA43-332-G-NL

► Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: GA43-332-U-AWT-NL

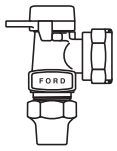
ANGLE KEY METER VALVES

FEMALE IRON PIPE THREAD BY METER SWIVEL NUT



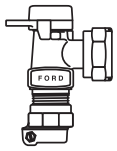
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size and Type	Serv. Line Size	Meter Size			
KV13-331W-NL	3/4"	3/4"	5/8"	1.1	12	**$ 69.55**
KV13-332W-NL	3/4"	3/4"	5/8" x 3/4" and 3/4"	1.2	12	**74.49**
KV13-332WW-NL	3/4" Double Locking	3/4"	5/8" x 3/4" and 3/4"	1.3	-	**79.52**
KV13-342W-NL	3/4"	1"	5/8" x 3/4" and 3/4"	1.3	12	**79.49**
KV13-444W-NL	1"	1"	1"	1.9	6	**114.20**
KV13-444WW-NL	1" Double Locking	1"	1"	1.9	-	**119.23**
KV13-454W-NL	1"	1-1/4"	1"	2.2	5	**126.78**

FLARE COPPER BY METER SWIVEL NUT



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
KV23-331W-NL	3/4"	3/4"	5/8"	1.4	10	**$ 84.19**
KV23-341W-NL	3/4"	1"	5/8"	1.7	8	**94.19**
KV23-332W-NL	3/4"	3/4"	5/8" x 3/4" and 3/4"	1.5	10	**89.33**
KV23-332WW-NL	3/4" Dbl. Locking	3/4"	5/8" x 3/4" and 3/4"	1.6	-	**94.36**
KV23-342W-NL	3/4"	1"	5/8" x 3/4" and 3/4"	1.8	8	**99.23**
KV23-444W-NL	1"	1"	1"	2.3	5	**121.75**
KV23-454W-NL	1"	1-1/4"	1"	2.9	4	**156.21**

PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BY METER SWIVEL NUT

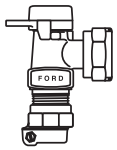


Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
► **KV43-331W-NL**	3/4"	3/4"	5/8"	1.3	10	**$ 90.33**
► **KV43-341W-NL**	3/4"	1"	5/8"	1.5	8	**100.29**
►♦ **KV43-332W-NL**	3/4"	3/4"	5/8" x 3/4" and 3/4"	1.4	10	**95.22**
►♦ **KV43-342W-NL**	3/4"	1"	5/8" x 3/4" and 3/4"	1.6	6	**105.33**
►♦ **KV43-444W-NL**	1"	1"	1"	2.2	5	**130.35**
► **KV43-444WW-NL**	1" Dbl. Locking	1"	1"	2.2	-	**135.38**
KV43-454W-NL	1"	1-1/4"	1"	2.6	-	**167.29**

Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: KV43-332W-G-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

PACK JOINT FOR (SIDR7) PE PIPE BY METER SWIVEL NUT



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
► **KV63-331W-NL**	3/4"	3/4"	5/8"	1.6	-	**$ 100.29**
►♦ **KV63-332W-NL**	3/4"	3/4"	5/8" x 3/4" and 3/4"	1.6	6	**105.33**
►♦ **KV63-342W-NL**	3/4"	1"	5/8" x 3/4" and 3/4"	2.0	8	**128.22**
► **KV63-444W-NL**	1"	1"	1"	2.6	4	**157.94**

Grip Joint for PEP is available. Insert "-G" into the catalog number. Example: KV63-332W-G-NL

OPTION INFORMATION FOR VALVES ON THIS PAGE

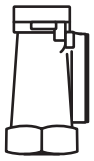
♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: KV43-444W-Q-NL

► Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: KV43-444W-U-AWT-NL

Handles are available on page G-32.

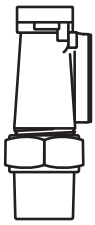
All angle key meter valves have padlock wings.
Gaskets are furnished with all meter valves.

ANGLE KEY FLANGED METER VALVES



FEMALE IRON PIPE THREAD BY METER FLANGE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
FV13-666W-NL	1-1/2"	1-1/2"	1-1/2"	6.0	1	**$ 362.76**
FV13-676W-NL	1-1/2"	2"	1-1/2"	5.3	2	**339.55**
FV13-777W-NL	2"	2"	1-1/2" and 2"	7.3	2	**504.08**



FLARE COPPER BY METER FLANGE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
FV23-666W-NL	1-1/2"	1-1/2"	1-1/2"	6.7	1	**$ 439.96**
FV23-777W-NL	2"	2"	1-1/2" and 2"	10.7	1	**591.81**



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BY METER FLANGE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
+ **FV43-666W-NL**	1-1/2"	1-1/2"	1-1/2"	6.5	1	**$ 451.30**
+ **FV43-777W-NL**	2"	2"	1-1/2" and 2"	9.5	1	**579.37**

Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: FV43-666W-G-NL

+ Uses Ballcorp style Pack Joint nut.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.



PACK JOINT FOR IRON PIPE BY METER FLANGE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
FV53-666W-NL	1-1/2"	1-1/2"	1-1/2"	-	1	**$ 383.46**
FV53-777W-NL	2"	2"	1-1/2" and 2"	8.6	1	**535.77**



PACK JOINT FOR (SIDR7) PE PIPE BY METER FLANGE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
FV63-666W-IDR7-AWT-NL	1-1/2"	1-1/2"	1-1/2"	8.8	1	**$ 531.62**
FV63-777W-IDR7-NL	2"	2"	1-1/2" and 2"	9.4	1	**583.57**



PACK JOINT FOR PVC/IPS PE PIPE BY METER FLANGE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Serv. Line Size	Meter Size			
+ **FV73-666W-NL**	1-1/2"	1-1/2"	1-1/2"	6.5	1	**$ 407.06**
FV73-777W-NL	2"	2"	1-1/2" and 2"	9.4	1	**559.43**

+ Uses Ballcorp style Pack Joint nut.

NOTE: Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11.

OPTIONAL INFORMATION FOR VALVES ON THIS PAGE

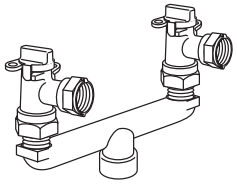
For **meter support brackets** (flanged valves only), two per valve - insert "MSB" into catalog number. Example: FV13-666W-MSB-NL
Add to price . . . . . **$ 15.81**

Steel bolts and nuts (5/8" x 2-1/2" zinc plated) for attaching 1-1/2" and 2" flange valves, per pair (catalog number: **PSB**) . . . . . **$ 11.45**

All angle key flanged meter valves have padlock wings.
Gaskets are furnished with all meter valves - flat drop-in for 1-1/2" and 2" flanged valves.

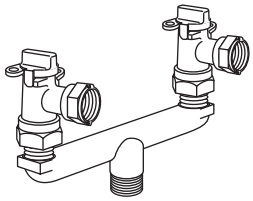
KEY VALVE BRANCH ASSEMBLIES

7-1/2" STANDARD SPACING BETWEEN CENTERS OF ANGLE KEY METER VALVES



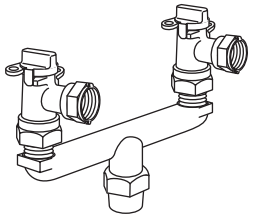
FEMALE IRON PIPE THREAD INLET BY TWO METER SWIVEL NUT OUTLETS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Serv. Line Size	Meter Size			
UV13-31W-NL	3/4"	5/8"	4.3	-	**$ 243.26**
UV13-32W-NL	3/4"	5/8" x 3/4" or 3/4"	4.5	-	**253.15**
UV13-41W-NL	1"	5/8"	4.2	-	**246.29**
UV13-42W-NL	1"	5/8" x 3/4" or 3/4"	4.3	8	**253.25**



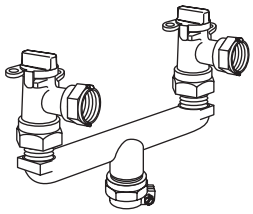
MALE IRON PIPE THREAD INLET BY TWO METER SWIVEL NUT OUTLETS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Serv. Line Size	Meter Size			
UV83-31W-NL	3/4"	5/8"	4.1	-	**$ 240.38**
UV83-32W-NL	3/4"	5/8" x 3/4" or 3/4"	4.1	-	**241.01**
UV83-41W-NL	1"	5/8"	4.0	-	**239.17**
UV83-42W-NL	1"	5/8" x 3/4" or 3/4"	4.2	8	**248.98**



FLARE COPPER INLET BY TWO METER SWIVEL NUT OUTLETS

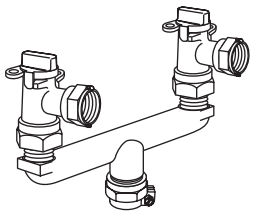
Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Serv. Line Size	Meter Size			
UV23-31W-NL	3/4"	5/8"	4.3	8	**$ 245.13**
UV23-32W-NL	3/4"	5/8" x 3/4" or 3/4"	4.5	8	**254.96**
UV23-41W-NL	1"	5/8"	4.7	-	**256.76**
UV23-42W-NL	1"	5/8" x 3/4" or 3/4"	4.7	8	**263.68**



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) INLET BY TWO METER SWIVEL NUT OUTLETS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Serv. Line Size	Meter Size			
► **UV43-31W-NL**	3/4"	5/8"	4.2	8	**$ 244.75**
► **UV43-32W-NL**	3/4"	5/8" x 3/4" or 3/4"	4.4	8	**254.58**
►♦ **UV43-41W-NL**	1"	5/8"	4.3	8	**257.23**
►♦ **UV43-42W-NL**	1"	5/8" x 3/4" or 3/4"	4.5	8	**267.04**
UV43-62W-NL	1-1/2"	5/8" x 3/4" or 3/4"	5.6	8	**353.84**

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.



PACK JOINT FOR (SIDR7) PE PIPE INLET BY TWO METER SWIVEL NUT OUTLETS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Serv. Line Size	Meter Size			
► **UV63-31W-NL**	3/4"	5/8"	4.3	-	**$ 260.37**
► **UV63-32W-NL**	3/4"	5/8" x 3/4" or 3/4"	4.7	-	**270.30**
► **UV63-41W-NL**	1"	5/8"	5.0	-	**275.52**
► **UV63-42W-NL**	1"	5/8" x 3/4" or 3/4"	5.0	8	**282.42**
UV63-51W-NL	1-1/4"	5/8"	5.3	-	**292.49**
UV63-52W-NL	1-1/4"	5/8" x 3/4" or 3/4"	5.4	-	**299.38**

OPTIONAL INFORMATION FOR ASSEMBLIES ON THIS PAGE

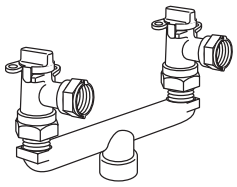
Grip Joint for CTS (3/4" - 2") and PEP (3/4" - 1") is available. Insert "-G" into the catalog number. Example: UV43-42W-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: UV43-42W-Q-NL

►Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: UV63-31W-U-AWT-NL

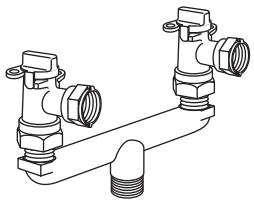
All branch valve assemblies have padlock wings.
Gaskets are furnished with all branch valve assemblies.

KEY VALVE BRANCH ASSEMBLIES
6-1/2" SPACING BETWEEN CENTERS OF ANGLE KEY METER VALVES



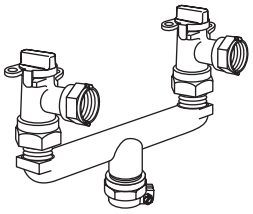
FEMALE IRON PIPE THREAD INLET BY TWO METER SWIVEL NUT OUTLETS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Serv. Line Size	Meter Size			
UV13-41W-65-NL	1"	5/8"	4.0	-	**$ 237.30**
UV13-42W-65-NL	1"	5/8" x 3/4" or 3/4"	4.2	8	**244.11**



MALE IRON PIPE THREAD INLET BY TWO METER SWIVEL NUT OUTLETS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Serv. Line Size	Meter Size			
UV83-31W-65-NL	3/4"	5/8"	3.8	-	**$ 231.16**
UV83-32W-65-NL	3/4"	5/8" x 3/4" or 3/4"	3.9	-	**241.01**
UV83-41W-65-NL	1"	5/8"	4.2	-	**232.86**
UV83-42W-65-NL	1"	5/8" x 3/4" or 3/4"	4.0	-	**239.85**

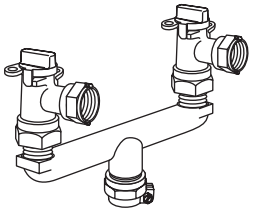


PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) INLET BY TWO METER SWIVEL NUT OUTLETS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Serv. Line Size	Meter Size			
► **UV43-31W-65-NL**	3/4"	5/8"	4.1	-	**$ 238.41**
► **UV43-32W-65-NL**	3/4"	5/8" x 3/4" or 3/4"	4.2	-	**245.39**
► **UV43-41W-65-NL**	1"	5/8"	4.1	8	**251.12**
► **UV43-42W-65-NL**	1"	5/8" x 3/4" or 3/4"	4.3	8	**257.91**

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

G



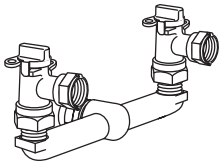
PACK JOINT FOR (SIDR7) PE PIPE INLET BY TWO METER SWIVEL NUT OUTLETS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Serv. Line Size	Meter Size			
► **UV63-41W-65-NL**	1"	5/8"	4.8	-	**$ 266.35**
► **UV63-42W-65-NL**	1"	5/8" x 3/4" or 3/4"	4.8	-	**276.21**

Grip Joint for PEP is available. Insert "-G" into the catalog number.
Example: UV63-42W-65-G-NL

► Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability.
Example: UV63-41W-U-AWT-NL

ANGLE KEY VALVE BRANCH ASSEMBLIES
6-1/2" SPACING BETWEEN CENTERS OF ANGLE KEY METER VALVES



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) INLET BY TWO METER SWIVEL NUT OUTLETS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Serv. Line Size	Meter Size			
UAV43-41W-65-NL	1"	5/8"	4.6	-	**$ 266.45**
UAV43-42W-65-NL	1"	5/8" x 3/4" or 3/4"	4.7	6	**273.23**

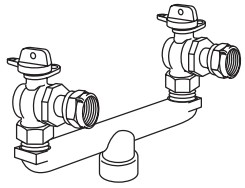
Grip Joint for CTS is available. Insert "-G" into the catalog number.
Example: UAV43-42W-65-G-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

All branch valve assemblies have padlock wings.
Gaskets are furnished with all branch valve assemblies.

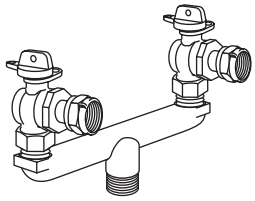
BALL VALVE BRANCH ASSEMBLIES

7-1/2" STANDARD SPACING BETWEEN CENTERS OF ANGLE BALL METER VALVES



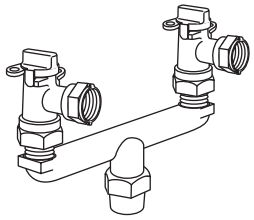
FEMALE IRON PIPE THREAD INLET BY TWO METER SWIVEL NUT OUTLETS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Serv. Line Size	Meter Size			
UVB13-31W-NL	3/4"	5/8"	4.4	-	**$ 276.53**
UVB13-32W-NL	3/4"	5/8" x 3/4" or 3/4"	4.6	-	**284.99**
UVB13-41W-NL	1"	5/8"	4.4	-	**279.62**
UVB13-42W-NL	1"	5/8" x 3/4" or 3/4"	4.5	8	**285.29**



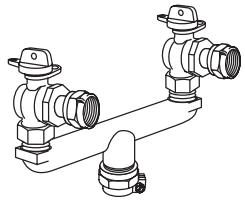
MALE IRON PIPE THREAD INLET BY TWO METER SWIVEL NUT OUTLETS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Serv. Line Size	Meter Size			
UVB83-31W-NL	3/4"	5/8"	4.3	-	**$ 273.61**
UVB83-32W-NL	3/4"	5/8" x 3/4" or 3/4"	4.3	-	**282.17**
UVB83-41W-NL	1"	5/8"	4.0	-	**275.44**
UVB83-42W-NL	1"	5/8" x 3/4" or 3/4"	4.3	-	**283.93**



FLARE COPPER INLET BY TWO METER SWIVEL NUT OUTLETS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Serv. Line Size	Meter Size			
UVB23-31W-NL	3/4"	5/8"	4.7	-	**$ 281.23**
UVB23-32W-NL	3/4"	5/8" x 3/4" or 3/4"	4.6	-	**289.82**
UVB23-41W-NL	1"	5/8"	4.9	-	**290.03**
UVB23-42W-NL	1"	5/8" x 3/4" or 3/4"	4.9	-	**298.51**



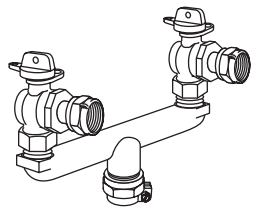
PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) INLET BY TWO METER SWIVEL NUT OUTLETS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Serv. Line Size	Meter Size			
► **UVB43-31W-NL**	3/4"	5/8"	4.4	-	**$ 280.89**
► **UVB43-32W-NL**	3/4"	5/8" x 3/4" or 3/4"	4.5	8	**286.61**
► **UVB43-41W-NL**	1"	5/8"	4.5	-	**290.39**
►♦ **UVB43-42W-NL**	1"	5/8" x 3/4" or 3/4"	4.7	8	**299.08**
UVB43-62W-NL	1-1/2"	5/8" x 3/4" or 3/4"	5.7	8	**385.86**

Grip Joint for CTS is available. Insert "-G" into the catalog number.
Example: UVB43-42W-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: UVB43-42W-Q-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.



PACK JOINT FOR (SIDR7) PE PIPE INLET BY TWO METER SWIVEL NUT OUTLETS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Serv. Line Size	Meter Size			
► **UVB63-31W-NL**	3/4"	5/8"	4.4	-	**$ 293.67**
► **UVB63-32W-NL**	3/4"	5/8" x 3/4" or 3/4"	4.7	-	**302.17**
► **UVB63-41W-NL**	1"	5/8"	4.7	-	**308.79**
► **UVB63-42W-NL**	1"	5/8" x 3/4" or 3/4"	5.2	-	**314.45**
UVB63-51W-NL	1-1/4"	5/8"	5.0	-	**325.65**
UVB63-52W-NL	1-1/4"	5/8" x 3/4" or 3/4"	5.2	-	**334.24**

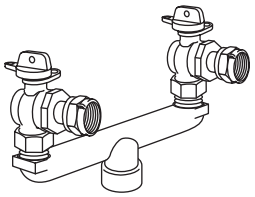
Grip Joint for PEP (3/4" and 1") is available. Insert "-G" into the catalog number.
Example: UVB63-42W-G-NL

OPTIONAL INFORMATION FOR ASSEMBLIES ON THIS PAGE

►Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: UVB63-31W-U-AWT-NL

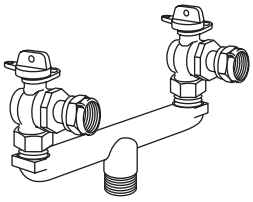
All branch valve assemblies have padlock wings.
Gaskets are furnished with all branch valve assemblies.

BALL VALVE BRANCH ASSEMBLIES
6-1/2" SPACING BETWEEN CENTERS OF ANGLE BALL METER VALVES



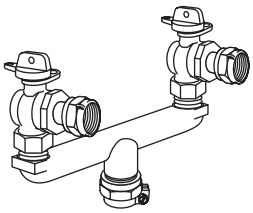
FEMALE IRON PIPE THREAD INLET BY TWO METER SWIVEL NUT OUTLETS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Serv. Line Size	Meter Size			
UVB13-41W-65-NL	1"	5/8"	4.5	-	**$ 270.49**
UVB13-42W-65-NL	1"	5/8" x 3/4" or 3/4"	4.3	8	**276.16**



MALE IRON PIPE THREAD INLET BY TWO METER SWIVEL NUT OUTLETS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Serv. Line Size	Meter Size			
UVB83-31W-65-NL	3/4"	5/8"	3.9	-	**$ 264.47**
UVB83-32W-65-NL	3/4"	5/8" x 3/4" or 3/4"	4.1	-	**270.17**
UVB83-41W-65-NL	1"	5/8"	4.4	-	**266.23**
UVB83-42W-65-NL	1"	5/8" x 3/4" or 3/4"	4.5	-	**274.70**

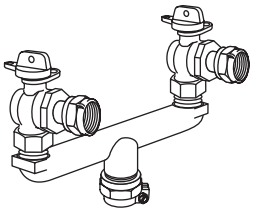


PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) INLET BY TWO METER SWIVEL NUT OUTLETS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Serv. Line Size	Meter Size			
► UVB43-31W-65-NL	3/4"	5/8"	4.2	-	**$ 271.81**
► UVB43-32W-65-NL	3/4"	5/8" x 3/4" or 3/4"	4.4	-	**280.24**
► UVB43-41W-65-NL	1"	5/8"	4.8	-	**284.29**
► UVB43-42W-65-NL	1"	5/8" x 3/4" or 3/4"	4.5	8	**289.92**

Grip Joint for CTS is available. Insert "-G" into the catalog number.
Example: UVB43-42W-65-G-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.



PACK JOINT FOR (SIDR7) PE PIPE INLET BY TWO METER SWIVEL NUT OUTLETS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Serv. Line Size	Meter Size			
► UVB63-41W-65-NL	1"	5/8"	5.0	-	**$ 299.60**
► UVB63-42W-65-NL	1"	5/8" x 3/4" or 3/4"	4.9	-	**305.26**

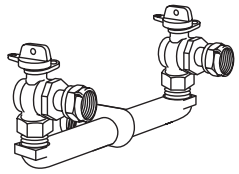
Grip Joint for PEP is available. Insert "-G" into the catalog number.
Example: UVB63-42W-65-G-NL

OPTIONAL INFORMATION FOR ASSEMBLIES ON THIS PAGE

►Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: UVBS43-24W-U-AWT-NL

All branch valve assemblies have padlock wings.
Gaskets are furnished with all branch valve assemblies.

ANGLE BALL VALVE BRANCH ASSEMBLIES
6-1/2" SPACING BETWEEN CENTERS OF ANGLE BALL METER VALVES



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) INLET BY TWO METER SWIVEL NUT OUTLETS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Serv. Line Size	Meter Size			
►**UAVB43-41W-65-NL**	1"	5/8"	4.7	-	**$ 299.60**
►**UAVB43-42W-65-NL**	1"	5/8" x 3/4" or 3/4"	4.9	6	**305.26**

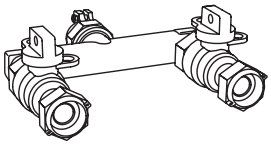
Grip Joint for CTS is available. Insert "-G" into the catalog number.
Example: UAVB43-42W-65-G-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

FEMALE IRON PIPE BY TWO METER SWIVEL NUT OUTLETS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Serv. Line Size	Meter Size			
UAVB13-42W-65-NL	1"	5/8" x 3/4" or 3/4"	4.7	-	**$ 288.98**

STRAIGHT BALL VALVE BRANCH ASSEMBLIES
7-1/2" STANDARD SPACING BETWEEN CENTERS OF STRAIGHT BALL METER VALVES



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) INLET BY TWO METER SWIVEL NUT OUTLETS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Serv. Line Size	Meter Size			
►**UVBS43-31W-NL**	3/4"	5/8"	4.4	8	**$ 279.80**
►**UVBS43-42W-NL**	1"	5/8" x 3/4" or 3/4"	4.7	8	**297.14**

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

FEMALE IRON PIPE THREAD INLET BY TWO METER SWIVEL NUT OUTLETS

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Serv. Line Size	Meter Size			
UVBS13-42W-NL	1"	5/8" x 3/4" or 3/4"	4.5	8	**$ 286.24**

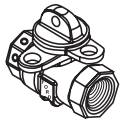
OPTIONAL INFORMATION FOR ASSEMBLIES ON THIS PAGE

►Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: UVBS43-24W-U-AWT-NL

All branch valve assemblies have padlock wings.
Gaskets are furnished with all branch valve assemblies.

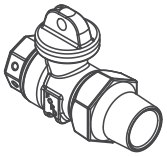
5/8" STRAIGHT BALL SERVICE VALVES

FEMALE IRON PIPE THREAD BOTH ENDS



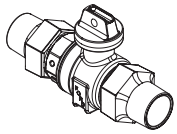
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
B11-211-NL	5/8"	1/2"	1/2"	1.0	14	**$ 75.63**
B11-231-NL	5/8"	3/4"	1/2"	1.1	-	**75.63**
▲ **B11-233-NL**	5/8"	3/4"	3/4"	1.0	14	**75.63**
B11-233WW-NL	5/8" Dbl. Locking	3/4"	3/4"	1.1	12	**85.72**
B11-233-3-75-NL	5/8"	3/4"	3/4"	1.3	14	**80.34**
BL11-233WW-NL	5/8" Dbl. Locking	3/4"	3/4"	-	12	**90.45**
BL11-233-3-5-NL	5/8" (3-1/2" long)	3/4"	3/4"	1.2	-	**82.64**
BL11-233-3-63-NL	5/8" (3-5/8" long)	3/4"	3/4"	1.2	-	**82.64**

FLARE COPPER INLET BY FEMALE IRON PIPE THREAD OUTLET



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Flare Copper Size	FIP Size			
B21-231-NL	5/8"	3/4"	1/2"	1.5	-	**$ 85.02**
▲ **B21-233-NL**	5/8"	3/4"	3/4"	1.3	-	**85.02**
BL21-233-4-375-NL	5/8" (4-3/8" long)	3/4"	3/4"	1.5	-	**99.23**

FLARE COPPER BOTH ENDS



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
B22-233-NL	5/8"	3/4"	3/4"	1.8	-	**$ 96.84**

G

PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) INLET BY FEMALE IRON PIPE THREAD OUTLET



(shown with Grip Joint nut)

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	CTS Size	FIP Size			
B41-211-NL	5/8"	1/2"	1/2"	1.3	-	**$ 101.08**
► **B41-231-NL**	5/8"	3/4"	1/2"	1.4	-	**90.49**
▲•♦ **B41-233-NL**	5/8"	3/4"	3/4"	1.2	10	**90.49**
BL41-233-NL	5/8"	3/4"	3/4"	1.6	-	**95.29**

Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: B41-233W-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: B41-233W-Q-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

PACK JOINT FOR IRON PIPE INLET BY FEMALE IRON PIPE THREAD OUTLET



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	PJ / IP Size	FIP Size			
B51-211-NL	5/8"	1/2"	1/2"	1.3	-	**$ 90.49**
B51-233-NL	5/8"	3/4"	3/4"	1.4	-	**96.36**

OPTION INFORMATION FOR VALVES ON THIS PAGE

►Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: B41-231W-U-AWT-NL

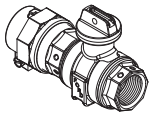
• Ultra-Tite is available. Insert "-U" into the catalog number. Example: B41-233-U-NL

For **360º rotation** of tee-head, insert "R" into the catalog number and add to price . . . . . **$ 2.49**

For padlock wings - Insert "W" into the catalog number and add to price **5.03**

▲For Secura-Lok™ option, insert "SLB" into the catalog number and add to price **53.96**
Example: B11-233SLB-NL

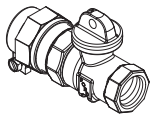
5/8" STRAIGHT BALL SERVICE VALVES - (CONTINUED)



PACK JOINT FOR (SIDR7) PE PIPE INLET BY FEMALE IRON PIPE THREAD OUTLET

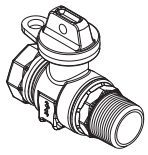
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	PEP Size	FIP Size			
► **B61-231-NL**	5/8"	3/4"	1/2"	1.5	-	**$ 105.31**
► **B61-233-NL**	5/8"	3/4"	3/4"	1.5	-	**105.31**

Grip Joint for PEP is available. Insert "-G" into the catalog number. Example: B61-233-G-NL



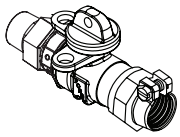
PACK JOINT FOR PVC/IPS PE PIPE INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	PVC/IPS PE Size	FIP Size			
B71-233-NL	5/8"	3/4"	3/4"	1.6	10	**$ 99.23**



MALE IRON PIPE THREAD INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	MIP Size	FIP Size			
B81-233-NL	5/8"	3/4"	3/4"	0.9	15	**75.63**

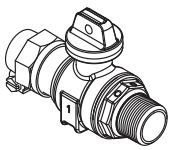


PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) INLET BY FLARE COPPER OUTLET

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	CTS Size	Flare Copper Size			
► **B42-233-NL**	5/8"	3/4"	3/4"	2.0	-	**$ 97.49**

Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: B42-233-G-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.



MALE IRON PIPE THREAD INLET BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) OUTLET

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	MIP Size	CTS Size			
►♦ **B84-233-NL**	5/8"	3/4"	3/4"	1.4	-	**$ 112.89**

OPTION INFORMATION FOR VALVES ON THIS PAGE

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: B84-233-Q-NL

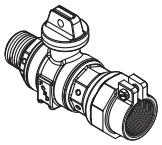
► Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: B66-233W-U-AWT-NL

For **360º rotation** of tee-head, insert "R" into the catalog number and add to price . . . . . **$ 2.49**

For padlock wings - Insert "W" into the catalog number and add to price **5.03**

G

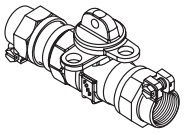
5/8" STRAIGHT BALL SERVICE VALVES - (CONTINUED)



MALE IRON PIPE THREAD INLET BY PACK JOINT FOR PVC/IPS PE*** PIPE

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	MIP Size	PVC/IPS PE Size			
B87-233-NL	5/8"	3/4"	3/4"	1.5	8	**$ 136.45**

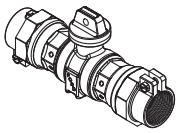
***Ford Pack Joints for PVC are only recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11.



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BOTH ENDS

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
B44-211-NL	5/8"	1/2"	1/2"	1.5	8	**$ 98.01**
*►♦ **B44-233-NL**	5/8"	3/4"	3/4"	1.7	6	**98.01**

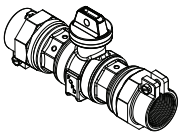
Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: B44-233-G-NL



PACK JOINT FOR (SIDR7) PE PIPE BOTH ENDS

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
► **B66-233-NL**	5/8"	3/4"	3/4"	1.9	5	**$ 124.12**

Grip Joint for PEP is available. Insert "-G" into the catalog number. Example: B66-233-G-NL



PACK JOINT FOR PVC/IPS PE*** PIPE BOTH ENDS

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
B77-233-NL	5/8"	3/4"	3/4"	2.0	6	**$ 124.12**

*** Ford Pack Joints for PVC are only recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11.

G

OPTION INFORMATION FOR VALVES ON THIS PAGE

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: B84-233W-Q-NL

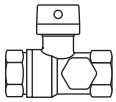
► Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: B66-233W-U-AWT-NL

For **360º rotation** of tee-head, insert "R" into the catalog number and add to price . . . . . **$ 2.49**

For padlock wings - Insert "W" into the catalog number and add to price **5.03**

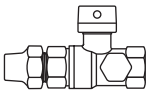
* For Secura-Lok™ option, insert "SLB" into the catalog number and add to price **53.96**
Example: B44-233SLB-NL

5/8" STRAIGHT BALL SERVICE VALVES WITH DRAIN/TEST VALVE
(DRAIN/TEST VALVE ON OUTLET SIDE OF VALVES)



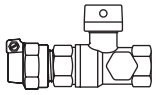
FEMALE IRON PIPE THREAD BOTH ENDS

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
B11-211D-NL	5/8"	1/2"	1/2"	1.2	-	**$ 100.56**
B11-231D-NL	5/8"	3/4"	1/2"	1.1	9	**100.56**
B11-233D-NL	5/8"	3/4"	3/4"	1.1	10	**100.56**



FLARE COPPER INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Flare Size	FIP Size			
B21-231D-NL	5/8"	3/4"	1/2"	1.8	-	**$ 109.91**
B21-233D-NL	5/8"	3/4"	3/4"	1.6	-	**109.91**



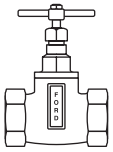
PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	CTS Size	FIP Size			
► **B41-233D-NL**	5/8"	3/4"	3/4"	1.6	-	**$ 115.38**

Grip Joint for CTS is available. Insert "-G" into the catalog number.
Example: B41-233D-G-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

3/4" STRAIGHT COMPRESSION GLOBE SERVICE VALVES

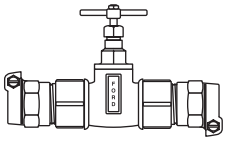


FEMALE IRON PIPE THREAD BOTH ENDS

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
G11-333-NL	3/4"	3/4"	3/4"	1.5	8	**$ 91.56**

G

3/4" STRAIGHT COMPRESSION GLOBE SERVICE VALVES
(CUT-IN TYPE WITH DETACHABLE PACK JOINT ASSEMBLIES)

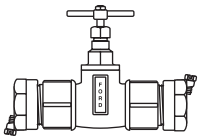


PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BOTH ENDS

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
G44-311-NL	3/4"	1/2"	1/2"	2.5	-	**$ 143.37**
► **G44-333-NL**	3/4"	3/4"	3/4"	1.8	-	**146.26**
► **G44-344-NL**	3/4"	1"	1"	2.8	10	**172.34**

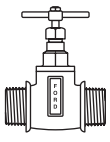
Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: G44-333-G-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.



PACK JOINT FOR IRON PIPE BOTH ENDS

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
G55-311-NL	3/4"	1/2"	1/2"	2.3	-	**$ 134.47**
G55-333-NL	3/4"	3/4"	3/4"	2.4	-	**137.41**
G55-344-NL	3/4"	1"	1"	3.3	-	**213.38**



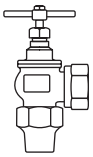
LESS PACK JOINT ASSEMBLIES *

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size and Outlet Size			
* **G00-300-NL**	3/4"	3/4" Male Kornerhorn Threads	1.4	-	**$ 87.69**

► Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: G44-333W-U-AWT-NL

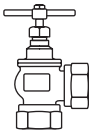
* To purchase Pack Joint Assemblies for PET, PEP, PVC/IPS PE and iron pipe, refer to section "B" under Pack Joint Assemblies for Kornerhorns.

ANGLE COMPRESSION GLOBE SERVICE VALVES



FLARE COPPER INLET BY FEMALE IRON PIPE THREAD OUTLET

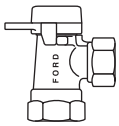
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Flare Size	FIP Size			
GA21-333-NL	3/4"	3/4"	3/4"	1.6	6	$ 112.13



FEMALE IRON PIPE THREAD INLET BY FEMALE IRON PIPE THREAD OUTLET

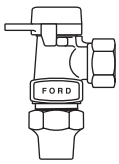
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
GA11-444-NL	1"	1"	1"	1.9	8	$ 163.13

ANGLE INVERTED KEY SERVICE VALVES



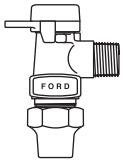
FEMALE IRON PIPE THREAD INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
AV11-333W-NL	3/4"	3/4"	3/4"	1.2	12	$ 65.22
AV11-444W-NL	1"	1"	1"	1.7	6	112.89



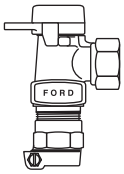
FLARE COPPER INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Flare Size	FIP Size			
AV21-333W-NL	3/4"	3/4"	3/4"	1.5	8	$ 80.20
■ AV21-444-NL	1"	1"	1"	2.1	8	127.73



FLARE COPPER INLET BY MALE IRON PIPE THREAD OUTLET

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Flare Size	MIP Size			
AV28-333W-NL	3/4"	3/4"	3/4"	1.3	-	$ 89.28
AV28-444W-NL	1"	1"	1"	1.9	6	121.75
AV28-444WW-NL	1" Dbl. Locking	1"	1"	2.0	-	126.78

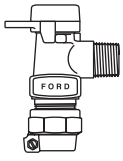


PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	CTS Size	FIP Size			
► AV41-333W-NL	3/4"	3/4"	3/4"	1.3	10	$ 87.69
►■ AV41-444-NL	1"	1"	1"	1.8	8	147.85

Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: AV41-333W-G-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.



PACK JOINT FOR (SIDR7) PE PIPE INLET BY MALE IRON PIPE THREAD OUTLET

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	PEP Size	MIP Size			
► AV68-333W-NL	3/4"	3/4"	3/4"	1.4	8	$ 105.33

Grip Joint for PEP is available. Insert "-G" into the catalog number. Example: AV68-333W-G-NL

OPTION INFORMATION FOR VALVES ON THIS PAGE

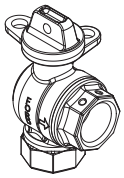
►Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: AV41-333W-U-AWT-NL

Valves with "W" listed above available only with padlock wings.

■Indicates padlock wings not available.

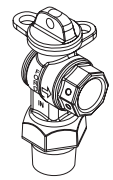
ANGLE BALL SERVICE VALVES

NOTE: ANGLE BALL VALVES ARE DESIGNED FOR ONE FLOW DIRECTION FROM INLET TO OUTLET.



FEMALE IRON PIPE THREAD INLET AND OUTLET

	Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
		Valve Size	Inlet Size	Outlet Size			
*	BA11-233W-NL	5/8"	3/4"	3/4"	1.1	12	$ 86.71
▲	BA11-333W-NL	3/4"	3/4"	3/4"	1.5	8	151.53
	BA11-343W-NL	3/4"	1"	3/4"	1.6	6	158.45
	BA11-344W-NL	3/4"	1"	1"	1.7	6	165.21
	BA11-444W-NL	1"	1"	1"	2.0	8	224.90
	BA11-666W-NL	1-1/2"	1-1/2"	1-1/2"	5.2	2	524.02
	BA11-777W-NL	2"	2"	2"	7.6	3	621.32



FLARE COPPER INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Flare Size	FIP Size			
BA21-333W-NL	3/4"	3/4"	3/4"	1.8	6	$ 163.04
BA21-344W-NL	3/4"	1"	1"	2.2	4	183.29
BA21-444W-NL	1"	1"	1"	2.5	6	242.97

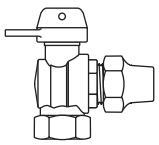


(shown with Grip Joint nut)

PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) INLET BY FEMALE IRON PIPE OUTLET

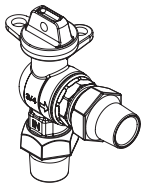
	Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
		Valve Size	CTS Size	FIP Size			
*►♦	BA41-233W-NL	5/8"	3/4"	3/4"	1.3	8	$ 101.83
•♦	BA41-333W-NL	3/4"	3/4"	3/4"	1.7	6	168.30
►♦	BA41-444W-NL	1"	1"	1"	2.3	4	249.11

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.



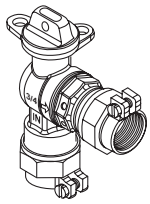
FEMALE IRON PIPE THREAD INLET BY FLARE COPPER OUTLET

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	FIP Size	Flare Size			
BA12-333W-NL	3/4"	3/4"	3/4"	2.3	-	$ 163.04
BA12-343W-NL	3/4"	1"	3/4"	2.9	-	172.17
BA12-344W-NL	3/4"	1"	1"	2.8	-	183.29



FLARE COPPER INLET AND OUTLET

	Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
		Valve Size	Inlet Size	Outlet Size			
	BA22-333W-NL	3/4"	3/4"	3/4"	2.3	4	$ 174.12
	BA22-444W-NL	1"	1"	1"	4.1	-	261.49



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) INLET AND OUTLET

	Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
		Valve Size	Inlet Size	Outlet Size			
•	BA44-333W-NL	3/4"	3/4"	3/4"	2.1	4	$ 198.37
►	BA44-344W-NL	3/4"	1"	1"	2.4	-	225.18
►♦	BA44-444W-NL	1"	1"	1"	2.9	4	276.37

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

OPTION INFORMATION FOR VALVES ON THIS PAGE

Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: BA44-333W-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: BA41-444W-Q-NL

► Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: BA44-333W-U-AWT-NL

• Ultra-Tite is available. Insert "-U" into the catalog number. Example BA41-333W-U-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.

For **reclaimed water tee-head** with padlock wing, insert "RW" into the catalog number. Example: BARW41-333W-NL. Add to price . . . . **$ 5.42**

For **360º rotation** of tee-head, insert "R" into the catalog number and add the price **2.49**

▲ For Secura-Lok™ option, insert "SLB" into the catalog number and add to price **53.96**
Example: BA11-333SLB-NL

All angle ball valves have padlock wings.

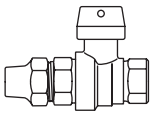
Ford Service Valves

SPECIAL "New England" Iron Pipe Threads Under Flare Copper Tube Nut

New England iron pipe threads under flare copper tube nut are available for other valves and curb stops. For sizes other than those in the tables below please contact the factory for availability.

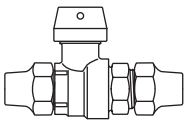
BALL VALVES WITH "NEW ENGLAND" IRON PIPE THREADS

FLARE COPPER INLET BY FEMALE IRON PIPE THREAD OUTLETS



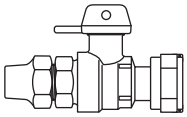
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Flare Size	FIP Size			
B21-231-NE-NL	5/8"	3/4"	1/2"	1.6	-	**$ 100.05**
B21-233-NE-NL	5/8"	3/4"	3/4"	1.6	-	**100.05**
B21-233D-NE-NL	5/8"	3/4"	3/4"	1.7	-	**124.92**
B21-333-NE-NL	3/4"	3/4"	3/4"	1.8	6	**171.45**
B21-344-NE-NL	3/4"	1"	1"	2.8	-	**200.37**
B21-444-NE-NL	1"	1"	1"	2.6	-	**241.93**

FLARE COPPER BOTH ENDS



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
B22-333-NE-NL	3/4"	3/4"	3/4"	2.2	-	**$ 189.02**
B22-344-NE-NL	3/4"	1"	1"	3.9	-	**221.45**
B22-444-NE-NL	1"	1"	1"	4.9	-	**261.00**

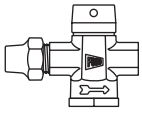
FLARE COPPER BY METER SWIVEL NUT



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
B23-232W-NE-NL	5/8"	3/4"	5/8" x 3/4" and 3/4"	-	-	**$ 118.11**
B23-332W-NE-NL	3/4"	3/4"	5/8" x 3/4" and 3/4"	2.5	-	**186.11**
B23-444W-NE-NL	1"	1"	1"	-	-	**276.76**

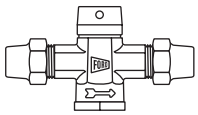
INVERTED KEY VALVES WITH "NEW ENGLAND" IRON PIPE THREADS

FLARE COPPER BY FEMALE IRON PIPE THREAD OUTLETS



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
Z21-333SW-NE-NL	3/4"	3/4"	3/4"	2.5	-	**$ 140.79**
Z21-444SW-NE-NL	1"	1"	1"	4.2	-	**238.50**

FLARE COPPER BOTH ENDS



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
Z22-333-NE-NL	3/4"	3/4"	3/4"	2.9	-	**$ 150.47**
Z22-333SW-NE-NL	3/4"	3/4"	3/4"	2.9	4	**160.36**
Z22-444-NE-NL	1"	1"	1"	4.7	-	**250.31**
Z22-444SW-NE-NL	1"	1"	1"	4.5	-	**256.78**

NOTE: "SW" in the catalog number means the valve is a stop and waste valve.

NOTE: "D" in the catalog number means the valve has a drain.

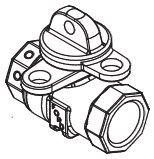
NOTE: "NE" in the catalog number means the valve has "New England" threads under the copper tube nut.

Ford Curb Stops

SPECIAL "Open Right" Valves

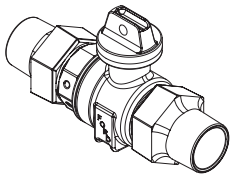
The valves shown below are manufactured so the valve opens by turning the handle to the **right** or clockwise. If a valve other than the valves shown on this page is needed with the open right option, please contact the factory for availability. (NOTE: **Standard** Ford valves are typically manufactured so the valve opens by turning the valve handle to the left or counter clockwise.)

BALL VALVES WITH "OPEN RIGHT" FEATURE



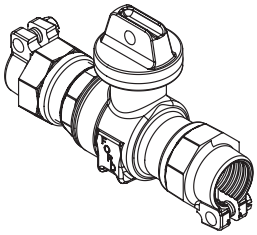
FEMALE IRON PIPE THREADS BOTH ENDS

Catalog Number	Description			Approx. Wt. Lbs.	List Price
	Valve Size	Inlet Size	Outlet Size		
B11-333-OR-NL	3/4"	3/4"	3/4"	1.5	$ 145.54
B11-444-OR-NL	1"	1"	1"	2.0	213.79
B11-455-OR-NL	1"	1-1/4"	1-1/4"	3.1	264.10
B11-666-OR-NL	1-1/2"	1-1/2"	1-1/2"	4.7	414.31
BC11-666SW-OR-NL	1-1/2"	1-1/2"	1-1/2"	6.8	509.70
BC11-777SW-OR-NL	2"	2"	2"	7.9	690.94



FLARE COPPER BOTH ENDS

Catalog Number	Description			Approx. Wt. Lbs.	List Price
	Valve Size	Inlet Size	Outlet Size		
B22-333-OR-NL	3/4"	3/4"	3/4"	3.0	$ 182.98
B22-444-OR-NL	1"	1"	1"	4.9	244.20
B22-455-OR-NL	1"	1-1/4"	1-1/4"	5.6	322.27
B22-666-OR-NL	1-1/2"	1-1/2"	1-1/2"	-	561.08
B22-666SW-OR-NL	1-1/2"	1-1/2"	1-1/2"	-	656.47



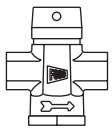
PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BOTH ENDS

Catalog Number	Description			Approx. Wt. Lbs.	List Price
	Valve Size	Inlet Size	Outlet Size		
►♦ B44-333-OR-NL	3/4"	3/4"	3/4"	2.1	$ 180.88
►♦ B44-444-OR-NL	1"	1"	1"	2.8	260.66
♦ B44-455-OR-NL	1"	1-1/4"	1-1/4"	3.9	322.27
♦ B44-666-OR-NL	1-1/2"	1-1/2"	1-1/2"	7.1	592.44
♦ B44-666SW-OR-NL	1-1/2"	1-1/2"	1-1/2"	-	687.84
B44-677-OR-NL	1-1/2"	2"	2"	8.5	734.96
♦ B44-777-OR-NL	2"	2"	2"	11.2	823.83
♦ BC44-777SW-OR-NL	2"	2"	2"	13.8	919.21

Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: B44-333-OR-G-NL
♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: B44-444-OR-Q-NL
Note: 5/8" valves are available. Contact factory for pricing.
Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

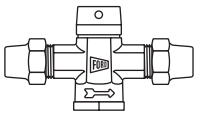
G

INVERTED KEY VALVES WITH "OPEN RIGHT" FEATURE



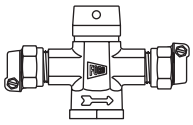
FEMALE IRON PIPE THREADS BOTH ENDS

Catalog Number	Description			Approx. Wt. Lbs.	List Price
	Valve Size	Inlet Size	Outlet Size		
Z11-333SW-OR-NL	3/4"	3/4"	3/4"	2.1	$ 127.73
Z11-444SW-OR-NL	1"	1"	1"	3.7	200.30



FLARE COPPER BOTH ENDS

Catalog Number	Description			Approx. Wt. Lbs.	List Price
	Valve Size	Inlet Size	Outlet Size		
Z22-333SW-NE-OR-NL	3/4"	3/4"	3/4"	2.9	$ 182.77
Z22-444SW-NE-OR-NL	1"	1"	1"	4.8	279.16



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BOTH ENDS

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Valve Size	Inlet Size	Outlet Size			
► Z44-333SW-OR-NL	3/4"	3/4"	3/4"	2.7	4	$ 171.34
►♦ Z44-444SW-OR-NL	1"	1"	1"	4.1	5	247.95

Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: Z44-333SW-OR-G-NL
♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: Z44-444SW-OR-Q-NL
Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

► Ultra-Tite compression is available. Insert "U-AWT" into the end of the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: Z44-333SW-OR-U-AWT-NL
• Ultra-Tite is available. Insert "-U" into the catalog number. Example BA44-333-OR-U-NL

NOTE: "SW" in the catalog number means the valve is a stop and waste valve.
NOTE: "NE" in the catalog number means the valve has "New England" threads under the copper tube nut.

FORD VALVE HANDLES

HANDLES FOR BALL VALVES

Catalog Number	Description	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HB-2	Straight Lever Handle (3-3/8" long) for 5/8" Straight and Angle Ball Valves	0.2	50	**$ 9.57**
HB-34	Straight Lever Handle (4-3/8" long) for 3/4" and 1" Straight and Angle Ball Valves	0.3	40	**10.61**
HB-34-RW	"Reclaimed Water" Straight Lever Handle (4-1/4" long) for 3/4" and 1" Straight and Angle Ball Valves	0.3	75	**15.62**
HB-34S	Straight Lever Handle (3-3/8" long) for 3/4" and 1" Straight and Angle Ball Valves	0.2	50	**10.61**
HH-34	High Lever Handle for 3/4" and 1" Straight and Angle Ball Valves	0.4	40	**14.54**
HB-67	Straight Lever Handle (9-1/2" long) for ALL 1-1/4", 1-1/2" and 2" Straight and Angle Ball Valves	1.2	15	**25.24**
HB-67S	Straight Lever Handle (4-7/8" long) for ALL 1-1/4", 1-1/2" and 2" Straight and Angle Ball Valves	1.2	11	**25.24**
HH-67	High Lever Handle (8-7/8" long) for ALL 1-1/4", 1-1/2" and 2" Straight and Angle Ball Valves	1.2	20	**29.37**
HP-4	Special Angle Lever Handle for 3/4" and 1" Ball Valves for Pitometer Service	0.3	-	**19.57**
HS-4	High Lever Handle for 1-1/4", 1-1/2" and 2" Straight and Angle Ball Valves	0.8	-	**15.47**

HANDLES FOR INVERTED KEY VALVES

Catalog Number	Description	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
RHT-3	Straight Lever Handle for Attachment to Tee-Head of ALL 3/4" Angle Key Valves	0.3	150	**$ 9.55**
RHT-4	Straight Lever Handle for Attachment to Tee-Head of ALL 1" Angle Key Valves	0.3	-	**9.55**

INSTALLED FACTORY OPTIONS - BALL VALVES

Catalog Number	Description	Add to Price
* **HT-2**	Combination Tee-Head Cap and Lever Handle for 5/8" Ball Valves (padlock wings are not available with HT-2 handle) - **(Factory Assembly ONLY!) Add to price**	**$ 3.94**
* **HT-34**	Combination Tee-Head Cap and High Lever Handle for all 3/4" and 1" Ball Valves (padlock wings are not available with HT-34 handle) - **(Factory Assembly ONLY!) Add to price.**	**6.31**
* **HT-67S**	Combination Tee-Head Cap and Lever Handle for 1-1/2" and 2" Ball Valves (padlock wings are not available with HT-67S handle) - **(Factory Assembly ONLY!) Add to price.**	**45.47**

INSTALLED FACTORY OPTIONS - KEY VALVES

Catalog Number	Description	Add to Price
* **HS-4**	High Lever Handle for 1" "SV" Type Straight Key Meter Valve - **(Factory Assembly ONLY!) Add to price**	**$ 15.47**
* **HT-3**	Combination Tee-Head Cap and Lever Handle for 3/4" "KV" Angle Key Meter Valves and 3/4" "AV" Angle Key Service Valves - **(Factory Assembly ONLY!) Add to price**	**18.25**
* **HT-4**	Combination Tee-Head Cap and Lever Handle for 1" "KV" Angle Key Meter Valves and 1" "AV" Angle Key Service Valves - **(Factory Assembly ONLY!) Add to price**	**23.22**

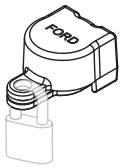
ALL HANDLES MAY BE ORDERED FACTORY ASSEMBLED ON VALVES IF SPECIFIED.

HANDLES HB-2, HB-34, HB-34S, HB-67, HB-67S, HH-67, HP-4 AND RHT-34 MAY BE ORDERED INDEPENDENTLY OF VALVES AND INSTALLED ON THE JOB.

BRASS BOLTS AND NUTS (COTTER PIN FOR HP-4) ARE FURNISHED WITH HANDLES

*** FACTORY ASSEMBLY ONLY**

BALL VALVE LOCK CAPS

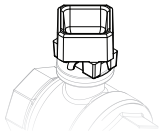


Catalog Number	Description	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
BV-LOCKCAP-2	Lock Cap and Pin for 5/8" Ball Valve	0.6	24	**$ 54.90**
BV-LOCKCAP-34	Lock Cap and Pin for 5/8" 'BH', 3/4", and 1" Ball Valves	0.9	16	**64.68**
BV-LOCKCAP-567	Lock Cap and Pin for 1-1/4", 1-1/2" and 2"	1.2	8	**76.73**
BV-LOCKCAP-PIN-2	Pin Only for BV-LOCKCAP-2	0.1	-	**16.46**
BV-LOCKCAP-PIN-34	Pin Only for BV-LOCKCAP-34	0.1	-	**19.69**
BV-LOCKCAP-PIN-567	Pin Only for BV-LOCKCAP-567	0.1	-	**21.54**

KEY VALVE LOCK CAPS

Catalog Number	Description	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
AV-LOCKCAP-23	Lock Cap and Pin for 5/8" and 5/8" x 3/4" and 3/4" Angle Key Yoke Valves	0.7	20	**$ 47.78**
AV-LOCKCAP-PIN-23	Pin Only for AV-LOCKCAP-23	0.1	-	**8.79**
KV-LOCKCAP-3	Split Body Lock Cap for 3/4" Key Valve with Meter Nut	1.1	10	**61.96**

GATE VALVE OPERATING NUT

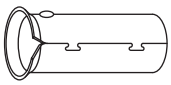


Catalog Number	Description	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
QT67	2" Gate Valve Operating Nut for 1-1/4", 1-1/2" and 2" Ball Valves	1.0	20	**$ 34.35**

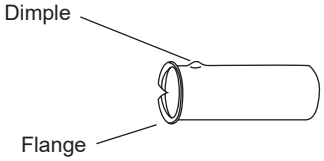
INSERT STIFFENERS

Before using Ford Insert Stiffeners, be sure inside tubing or pipe dimensions correspond to the table below. Ford recommends using insert stiffeners when using plastic pipe or tubing.

50 SERIES FOR POLYETHYLENE TUBING (PET) (CTS DR9)

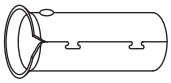


Catalog Number	Nominal Size	PET Ave. I.D.	Approx. Wt. Lbs.*	Std. Pkg. Qty.	List Price
INSERT-51	3/4"	0.669	4.8	200	**$ 3.41**
INSERT-52	1"	0.860	4.2	100	**3.61**
** **INSERT-53-72**	1-1/4"	1.051	2.9	50	**4.44**
♦*** **INSERT-53-72-Q**	1-1/4"	1.051	2.9	50	**4.44**
INSERT-54	1-1/2"	1.241	3.1	25	**4.97**
♦ **INSERT 54-Q**	1-1/2"	1.625	2.6	30	**4.97**
INSERT-55	2"	1.241	6.0	40	**4.97**
♦ **INSERT 55-Q**	2"	1.620	5.8	50	**4.97**



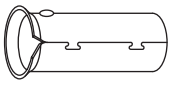
Ford Insert Stiffeners are solid 304 tubular stainless steel, dimpled and flanged to retain placement within the service line.

70 SERIES FOR POLYETHYLENE PIPE (PEP) (IDR7)



Catalog Number	Nominal Size	PEP Ave. I.D.	Approx. Wt. Lbs.*	Std. Pkg. Qty.	List Price
INSERT-71	3/4"	0.824	4.4	100	**$ 3.84**
** **INSERT-53-72**	1"	1.049	2.9	50	**4.44**
♦*** **INSERT-53-72-Q**	1"	1.049	2.9	50	**4.44**
INSERT-73	1-1/4"	1.380	5.8	75	**6.59**
INSERT-74	1-1/2"	1.610	5.5	45	**7.25**
INSERT-75	2"	2.067	9.7	50	**7.94**

INSERTS FOR OD CONTROLLED DR11 HIGH DENSITY POLYETHYLENE (HDPE) PIPE WITH PVC/IPS PE O.D.



Catalog Number	Nominal Size & Pipe Type	DR	HDPE O.D.	Average I.D.	Approx. Wt. Lbs.*	Std. Pkg. Qty.	List Price
INSERT-51	1/2" IPS	11	0.679	0.679	0.1	200	**$ 3.41**
INSERT-52	3/4" IPS	11	0.849	0.849	0.1	100	**3.61**
** **INSERT-53-72**	1" IPS	11	1.061	1.061	2.9	50	**4.44**
INSERT-73-DR11	1-1/4" IPS	11	1.340	1.340	4.8	60	**7.25**
INSERT-74-DR11	1-1/2" IPS	11	1.533	1.533	5.4	45	**7.77**
INSERT-75-DR11	2" IPS	11	1.917	1.917	9.5	50	**8.79**

*** Note:** Before using Ford Insert Stiffeners, be sure inside pipe dimensions correspond to the above table.

INSERTS FOR OD CONTROLLED DR9 HIGH DENSITY POLYETHYLENE (HDPE) PIPE WITH PVC/IPS PE O.D.

Catalog Number	Nominal Size and Pipe Type	DR	HDPE OD	Average ID	Std. Pkg. Qty.	List Price
INSERT-71	3/4" IPS	9	1.050	0.802	100	**$ 3.84**
INSERT-72-DR9	1" IPS	9	1.315	1.005	200	**4.26**

* Weights for insert stiffeners are for standard package quantities.

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

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

♦ These inserts are specifically designed and required for Quick Joint fittings. These inserts **are not** suitable for any other application. Additionally, standard inserts are not compatible with Quick Joint fittings of this type and size.

PACK JOINT CODING

Type of service line coded on Ford Pack Joint nut

CTS = copper, polyethylene (PET) tubing
PEP = polyethylene (PEP) pipe
PVC = polyvinyl chloride (PVC) pipe (Schedule 40 and 80)/IPS PE (DR9 and DR11)

TYPES OF PIPE AND TUBING – EXPLANATION OF ABBREVIATIONS

Copper Tube - CTS - Copper tubing is widely used as a service line and the outside diameter is closely held by manufacturers. The outside diameter of copper tubing has become a standard in the industry and is known as “copper tube size.” (Pack Joint coded **CTS**)

Plastic Tubing - CTS - Flexible water service tubing in what is referred to as “copper tube size.” Plastic Tube refers to **any** plastic with the same outside diameter as corresponding sizes of copper tube. (Pack Joint coded **CTS**)
PET - Polyethylene tubing.

Plastic Pipe - PEP - Flexible water service pipe in what is referred to as “pipe size.” Plastic pipe refers to **any** pipe having the same inside diameter as corresponding sizes of standard iron pipe. (Pack Joint coded **PEP**)
PEP - Polyethylene pipe.

Plastic Pipe - IPS - Flexible water service pipe in what is referred to as “iron pipe size" or “PVC size.” Plastic pipe refers to **any** pipe having the same outside diameter as corresponding size of iron, PVC or steel pipe such as IPS PE - polyethylene pipe. (Pack Joint coded **PVC**)

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

Ford Pack Joints for PVC are recommended for use only with Schedule 40 and Schedule 80 PVC or DR9 and DR11 IPS PE with the use of the appropriate sized stainless steel insert.

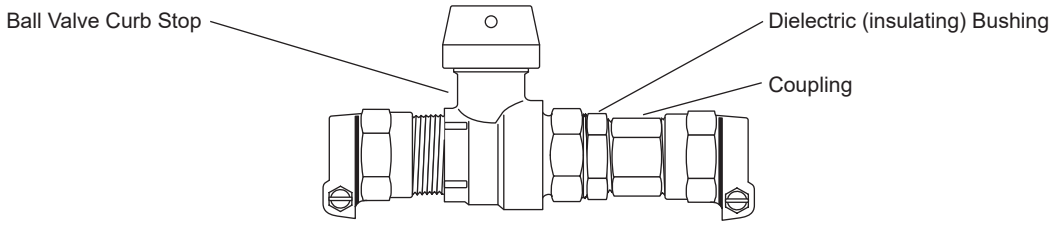
DIMENSION COMPARISON TABLE FOR PLASTIC, COPPER AND GALVANIZED IRON

Pipe and Tubing Type		PSI	SDR	Control	O.D.						Average I.D.					
					1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Copper	–	–	–	OD	0.625	0.875	1.125	1.375	1.625	2.125	–	–	–	–	–	–
PET	PE3408	200	SDR9	OD	0.625	0.875	1.125	1.375	1.625	2.125	0.479	0.669	0.860	1.051	1.241	1.625
	PE4710	250														
PEP	PE3408	200	SIDR7	ID	0.800	1.060	1.349	1.774	2.070	2.657	–	0.824	1.049	1.380	1.610	2.067
	PE4710	250														
IPS PE	–	–	–	OD	0.840	1.050	1.315	1.660	1.900	2.375	–	–	–	–	–	–
PVC	–	–	–	OD	0.840	1.050	1.315	1.660	1.900	2.375	–	–	–	–	–	–
Galv IP	–	–	–	OD	0.840	1.050	1.315	1.660	1.900	2.375	–	–	–	–	–	–

Note: Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

SERVICE INSULATOR BALL VALVES



Catalog Number	Valve Size	Description		Components	List Price
SI-B11-444-AWT-NL	1"	1" Female Iron Pipe	1" Female Iron Pipe	B11-454-NL/DB-45 AWT	**$ 256.94**
SI-B11-777-AWT-NL	2"	2" Female Iron Pipe	2" Female Iron Pipe	B11-778-NL/DB-78 AWT	**712.25**
SI-B22-333-AWT-NL	3/4"	3/4" Flare	3/4" Flare	B21-334-NL/DB-34-C28-33-NL AWT	**208.05**
♦ **SI-B41-333-AWT-NL**	3/4"	3/4" Pack Joint (CTS)	3/4" Female Iron Pipe	B11-343-NL/DB-34/C84-33-NL AWT	**190.20**
♦ **SI-B41-333R-AWT-NL**	3/4"	3/4" Pack Joint (CTS)	3/4" Female Iron Pipe	B11-343R-NL/DB-34/C84-33-NL AWT	**193.35**
• ♦ **SI-B44-333-AWT-NL**	3/4"	3/4" Pack Joint (CTS)	3/4" Pack Joint (CTS)	B41-334-NL/DB-34/C84-33-NL AWT	**221.28**
• ♦ **SI-B44-333M-AWT-NL**	3/4"	3/4" Pack Joint (CTS)	3/4" Pack Joint (CTS)	B41-334M-NL/DB-34/C84-33-NL AWT	**235.83**
• ♦ **SI-B44-444-AWT-NL**	1"	1" Pack Joint (CTS)	1" Pack Joint (CTS)	B41-445-NL/DB-45/C84-44-NL AWT	**321.63**
• ♦ **SI-B44-444M-AWT-NL**	1"	1" Pack Joint (CTS)	1" Pack Joint (CTS)	B41-445M-NL/DB-45/C84-44-NL AWT	**329.91**
♦ **SI-B44-666-AWT-NL**	1-1/2"	1-1/2" Pack Joint (CTS)	1-1/2" Pack Joint (CTS)	B41-667-NL/DB-67/C84-66-NL AWT	**693.75**
♦ **SI-B44-666M-AWT-NL**	1-1/2"	1-1/2" Pack Joint (CTS)	1-1/2" Pack Joint (CTS)	B41-667M-NL/DB-67/C84-66-NL AWT	**710.40**
♦ **SI-B44-777-AWT-NL**	2"	2" Pack Joint (CTS)	2" Pack Joint (CTS)	B41-778-NL/DB-78/C84-77-NL AWT	**955.76**
♦ **SI-B44-777M-AWT-NL**	2"	2" Pack Joint (CTS)	2" Pack Joint (CTS)	B41-778M-NL/DB-78/C84-77-NL AWT	**972.41**

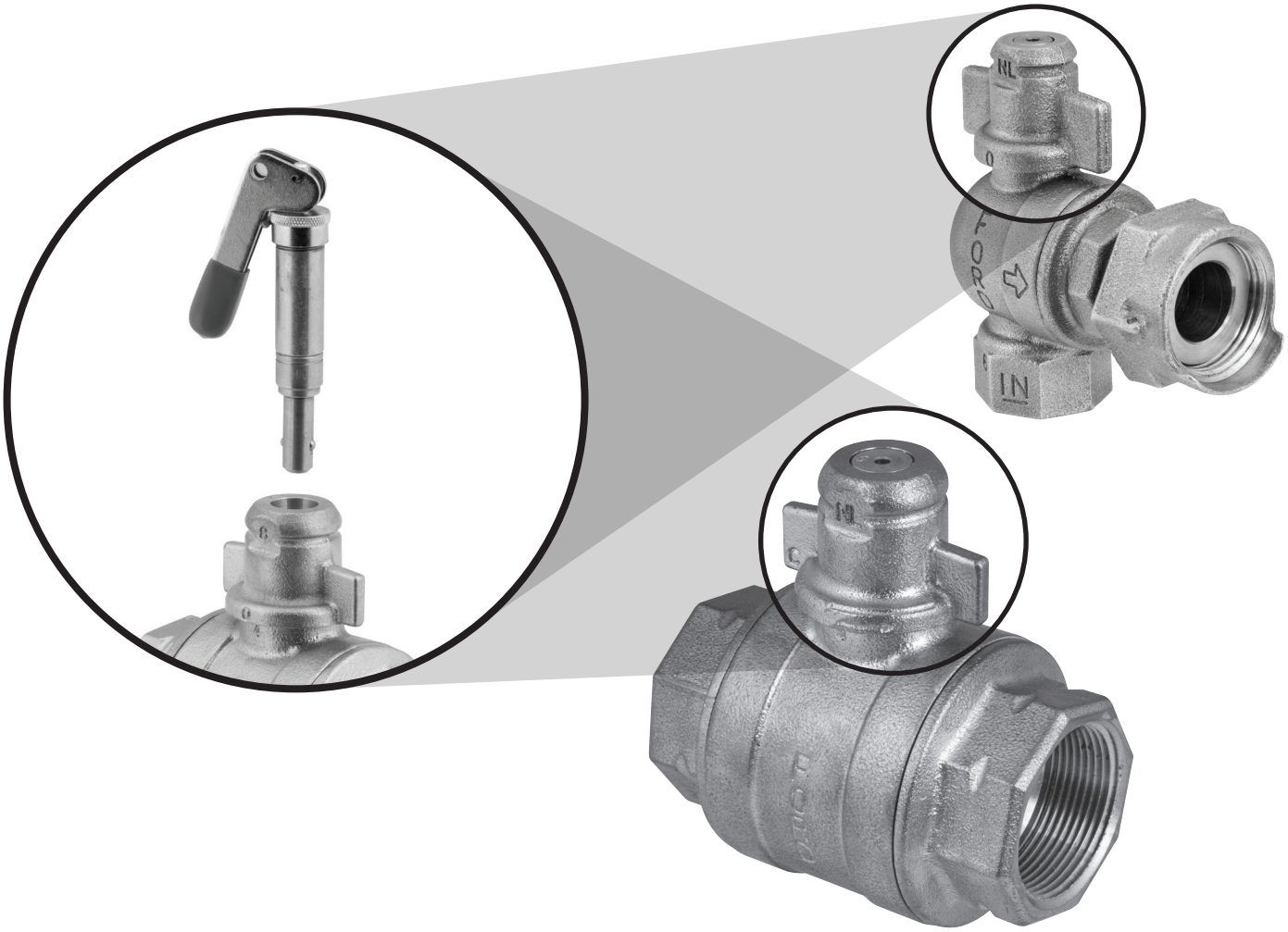
Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: SI-B41-333-G-AWT-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: SI-B41-333-Q-AWT-NL

• Ultra-Tite is available. Insert "-U" into the catalog number. Example SI-B44-333-AWT-U-NL

Secura-Lok™ Locking Valves
(Patent 10,794,514)

The Secura-LokTM is a patented design that incorporates an integral locking mechanism on Ford Ball Valves. You can lock your valve in the open, closed, or operational position.



How to Order Secura-Lok

Ford Secura-Lok™ valves feature two types of integral locking tee-heads to secure a valve in the desired setting. Secura-Lok is available on 5/8" – 2" straight ball valves and 5/8" – 1", and 1-1/2" – 2" angle ball valves. To order, add “-SLB” to the catalog number and listed price.

To Order Secura-Lok Valves:

Part Number Code	Description	Example	Price
SLB*	Barrel-style Secura-Lok for straight 5/8" – 2" and 5/8" – 1", and 1-1/2" – 2" angle ball valves	B11-777SLB-NL BA13-332SLB-NL	$ 53.96

* Key required to operate. See table below for details.
Various end connections available. Contact factory for details.

Secura-Lok Options and Accessories

Catalog Number	Description	Price
KEY-234-SLB	Barrel Lock Key (5/8"–1" angle valves)	**$ 264.62**
KEY-567-SLB	Barrel Lock Key (1-1/2"–2" straight valves)	**178.34**
PLUG-234-SLB	Plastic Protective Barrel Lock Plug (5/8"–1")	**1.67**
PLUG-567-SLB	Plastic Protective Barrel Lock Plug (1-1/2"–2")	**1.74**

FORD METER BOX CURB BOXES
SECTION GA

Ford Curb Box Numbering System

E= Cast Iron Curb Box

1 = Single Piece Lid
(Erie Pattern with two holes)
2 = Two Piece Lid
(brass pentagon bolt plug)

4 = 1" Dia. Upper Section
5 = 1-1/4" Dia. Upper Section
6 = 1-1/2" Dia. Upper Section*

ROD LENGTH
(in inches)

E M 2 - 4 5 - 4 6 - 3 6 R - T W

A = Arch Pattern
M = Minneapolis Pattern

EXTENDED LENGTH
30 = 3'
35 = 3-1/2'
40 = 4'
45 = 4-1/2'
etc.

6 = 1-1/2" Minneapolis Pattern Thread
7 = 2" Minneapolis Pattern Thread
8 = 2-1/2" Minneapolis Pattern Thread
0 = All Arch Pattern Boxes

R = Stationary Operating Rod

-TW = Lid with Tracer Wire Terminal
-SEWER = Sewer Lid
-FIRE = Fire Lid
-SS = Stainless Steel Stationary Rod

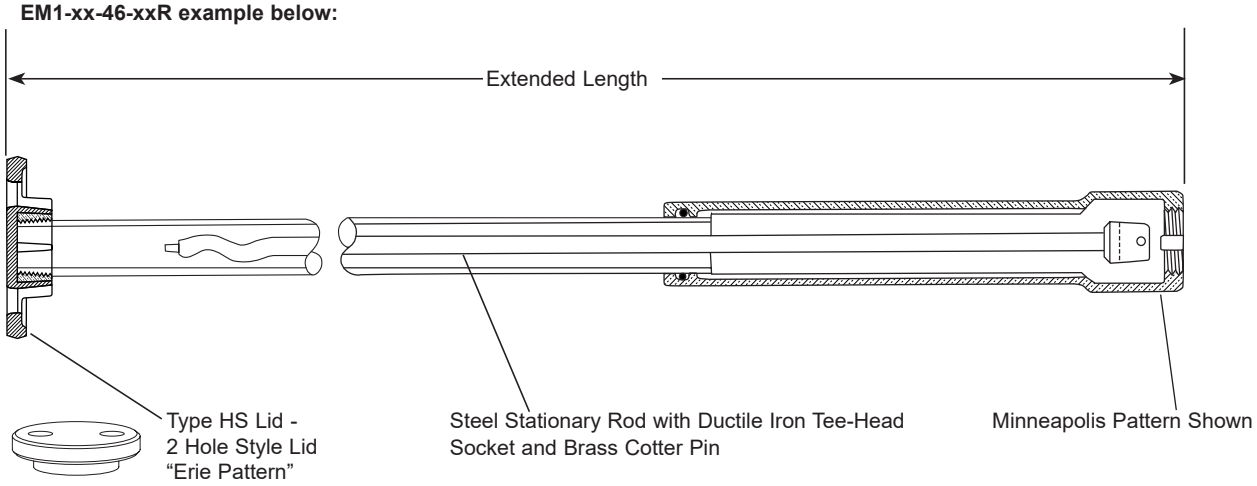
100 = 10'.0" (maximum length available)

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

*** 1-1/2" diameter upper section not available on Arch pattern curb boxes**

GA

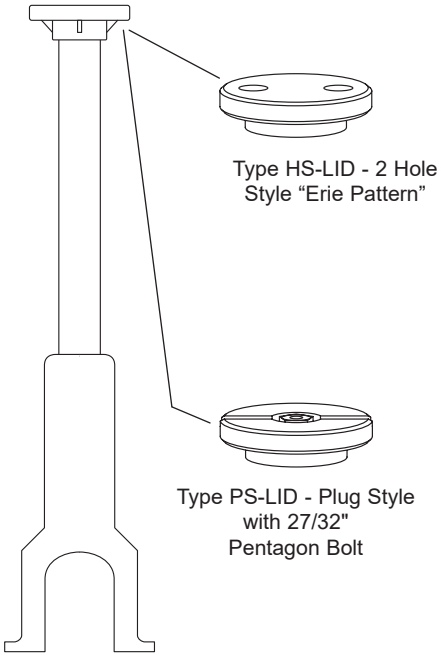
EM1-xx-46-xxR example below:



ARCH PATTERN CURB BOXES

ARCH PATTERN WITH 1" UPPER SECTION

*STATIONARY ROD **INCLUDED***



Type HS-LID - 2 Hole Style "Erie Pattern"

Type PS-LID - Plug Style with 27/32" Pentagon Bolt

TYPE HS-LID - 2 HOLE STYLE

Catalog Number	Extended Length	Rod Length	Approx. Wt. Lbs.	List Price
EA1-30-40-18R	3'	18"	14.8	**$ 102.81**
EA1-35-40-24R	3-1/2'	24"	16.0	**107.37**
EA1-40-40-30R	4'	30"	17.2	**112.25**
EA1-45-40-36R	4-1/2'	36"	18.4	**116.69**
EA1-50-40-42R	5'	42"	19.6	**121.79**
EA1-55-40-48R	5-1/2'	48"	20.8	**126.29**
EA1-60-40-54R	6'	54"	22.0	**131.17**
EA1-65-40-60R	6-1/2'	60"	23.2	**135.68**
EA1-70-40-66R	7'	66"	24.4	**140.19**
EA1-75-40-72R	7-1/2'	72"	25.6	**145.10**
EA1-80-40-78R	8'	78"	26.7	**149.16**
EA1-90-40-90R	9'	90"	27.2	**158.21**

TYPE PS-LID - PLUG STYLE

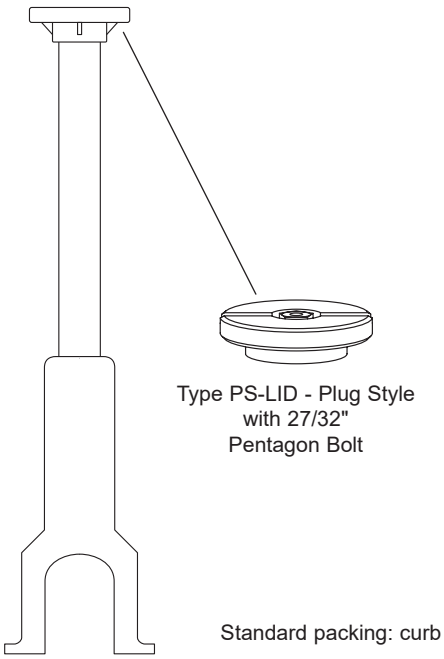
Catalog Number	Extended Length	Rod Length	Approx. Wt. Lbs.	List Price
EA2-30-40-18R	3'	18"	15.0	**$ 104.24**
EA2-35-40-24R	3-1/2'	24"	16.2	**108.78**
EA2-40-40-30R	4'	30"	17.4	**113.70**
EA2-45-40-36R	4-1/2'	36"	18.5	**119.90**
EA2-50-40-42R	5'	42"	19.7	**123.18**
EA2-55-40-48R	5-1/2'	48"	20.9	**127.70**
EA2-60-40-54R	6'	54"	22.1	**132.51**
EA2-65-40-60R	6-1/2'	60"	23.3	**137.14**
EA2-70-40-66R	7'	66"	24.5	**141.67**
EA2-75-40-72R	7-1/2'	72"	25.7	**146.14**
EA2-80-40-78R	8'	78"	26.1	**150.59**
EA2-90-40-90R	9'	90"	29.7	**159.65**

To order less stationary rod, remove the "-xxR" from the catalog number.
Example: EA2-30-40

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ARCH PATTERN WITH 1-1/4" UPPER SECTION

*STATIONARY ROD **NOT** INCLUDED (RODS LISTED ON PAGE 5)*



Type PS-LID - Plug Style with 27/32" Pentagon Bolt

TYPE PL-LID - PLUG STYLE

Catalog Number	Extended Length	Approx. Wt. Lbs.	List Price
EA2-30-50	3'	16.0	**$ 76.97**
EA2-35-50	3-1/2'	17.0	**80.11**
EA2-40-50	4'	18.1	**83.27**
EA2-45-50	4-1/2'	19.2	**86.45**
EA2-50-50	5'	20.3	**89.60**
EA2-55-50	5-1/2'	21.4	**92.76**
EA2-60-50	6'	22.4	**95.91**
EA2-65-50	6-1/2'	23.5	**99.13**
EA2-70-50	7'	24.6	**102.29**
EA2-75-50	7-1/2'	25.7	**105.47**
EA2-80-50	8'	26.8	**108.62**

Curb boxes with the PS-LID or PL-LID are available with a tracer wire terminal on the curb box lid. Add "-TW" to the end of the catalog number.
Example: EA2-30-50-TW
Add to price ..... **$ 16.42**

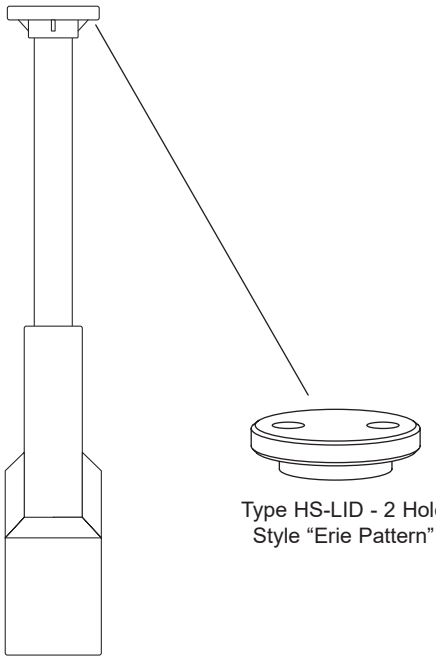
To add stationary rod, add rod length to the end of the catalog number.
Example: EA2-30-50-18R. Rods listed on page 5.

Standard packing: curb boxes are banded on pallets - well protected and easy to handle

MINNEAPOLIS PATTERN CURB BOXES

MINNEAPOLIS PATTERN WITH 1" UPPER SECTION

*STATIONARY ROD **INCLUDED***



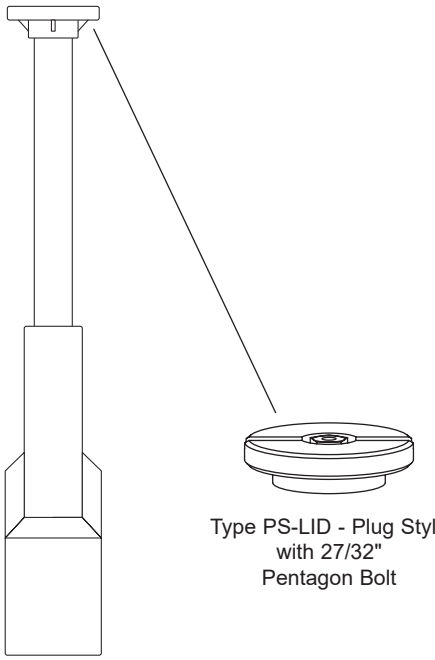
Type HS-LID - 2 Hole Style "Erie Pattern"

TYPE HS-LID - 2 HOLE STYLE - BASE TAPPED 1-1/2"

Catalog Number	Extended Length	Rod Length	Approx. Wt. Lbs.	List Price
EM1-30-46-18R	3'	18"	11.7	**$ 108.11**
EM1-35-46-24R	3-1/2'	24"	12.9	**113.30**
EM1-40-46-30R	4'	30"	14.1	**118.20**
EM1-45-46-36R	4-1/2'	36"	15.3	**122.72**
EM1-50-46-42R	5'	42"	16.5	**127.78**
EM1-55-46-48R	5-1/2'	48"	17.7	**132.26**
EM1-60-46-54R	6'	54"	18.9	**137.13**
EM1-65-46-60R	6-1/2'	60"	20.1	**141.69**
EM1-70-46-66R	7'	66"	21.3	**146.14**
EM1-75-46-72R	7-1/2'	72"	-	**150.67**
EM1-80-46-78R	8'	78"	22.9	**155.25**

TYPE HS-LID - 2 HOLE STYLE - BASE TAPPED 2"

Catalog Number	Extended Length	Rod Length	Approx. Wt. Lbs.	List Price
EM1-30-47-18R	3'	18"	-	**$ 108.11**
EM1-35-47-24R	3-1/2'	24"	12.7	**113.30**
EM1-40-47-30R	4'	30"	13.9	**118.20**
EM1-45-47-36R	4-1/2'	36"	15.1	**122.72**
EM1-50-47-42R	5'	42"	16.3	**127.78**
EM1-55-47-48R	5-1/2'	48"	17.5	**132.26**
EM1-60-47-54R	6'	54"	18.7	**137.13**
EM1-65-47-60R	6-1/2'	60"	19.9	**141.69**
EM1-70-47-66R	7'	66"	21.1	**146.14**
EM1-75-47-72R	7-1/2'	72"	-	**150.67**
EM1-80-47-78R	8'	78"	22.7	**155.25**



Type PS-LID - Plug Style with 27/32" Pentagon Bolt

TYPE PS-LID - PLUG STYLE - BASE TAPPED 1-1/2"

Catalog Number	Extended Length	Rod Length	Approx. Wt. Lbs.	List Price
EM2-30-46-18R	3'	18"	11.9	**$ 117.92**
EM2-35-46-24R	3-1/2'	24"	13.1	**122.48**
EM2-40-46-30R	4'	30"	14.3	**127.34**
EM2-45-46-36R	4-1/2'	36"	15.5	**131.83**
EM2-50-46-42R	5'	42"	16.7	**136.87**
EM2-55-46-48R	5-1/2'	48"	17.9	**141.37**
EM2-60-46-54R	6'	54"	19.1	**146.23**
EM2-65-46-60R	6-1/2'	60"	20.3	**150.79**
EM2-70-46-66R	7'	66"	21.5	**155.26**
EM2-75-46-72R	7-1/2'	72"	22.6	**159.80**
EM2-80-46-78R	8'	78"	23.0	**164.33**

TYPE PS-LID - PLUG STYLE - BASE TAPPED 2"

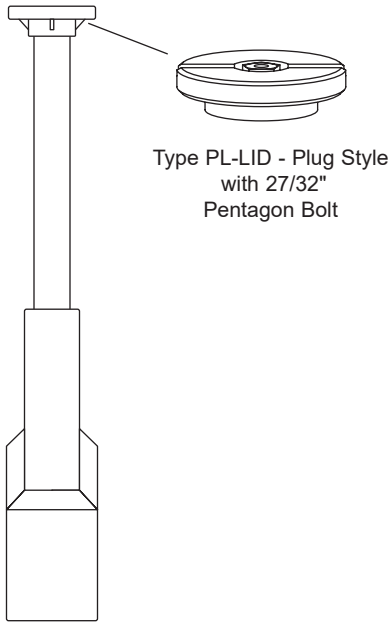
Catalog Number	Extended Length	Rod Length	Approx. Wt. Lbs.	List Price
EM2-30-47-18R	3'	18"	11.6	**$ 117.92**
EM2-35-47-24R	3-1/2'	24"	12.9	**122.48**
EM2-40-47-30R	4'	30"	14.0	**127.34**
EM2-45-47-36R	4-1/2'	36"	15.2	**131.83**
EM2-50-47-42R	5'	42"	16.4	**136.87**
EM2-55-47-48R	5-1/2'	48"	17.6	**141.37**
EM2-60-47-54R	6'	54"	18.8	**146.23**
EM2-65-47-60R	6-1/2'	60"	20.0	**150.79**
EM2-70-47-66R	7'	66"	21.2	**155.26**
EM2-75-47-72R	7-1/2'	72"	22.4	**159.80**
EM2-80-47-78R	8'	78"	22.8	**164.33**

To order less stationary rod, remove the "-xxR" from the catalog number.
Example: EM2-30-47

MINNEAPOLIS PATTERN CURB BOXES (CONTINUED)

MINNEAPOLIS PATTERN WITH 1-1/4" UPPER SECTION

*STATIONARY ROD **NOT** INCLUDED (rods on following page)*



Type PL-LID - Plug Style
with 27/32"
Pentagon Bolt

TYPE PL-LID - PLUG STYLE - BASE TAPPED 1-1/2"

Catalog Number	Extended Length	Approx. Wt. Lbs.	List Price
EM2-30-56	3'	13.2	**$ 89.08**
EM2-35-56	3-1/2'	14.3	**92.97**
EM2-40-56	4'	15.4	**96.86**
EM2-45-56	4-1/2'	16.5	**100.63**
EM2-50-56	5'	17.6	**104.54**
EM2-55-56	5-1/2'	18.6	**108.36**
EM2-60-56	6'	19.7	**112.28**
EM2-65-56	6-1/2'	20.8	**116.13**
EM2-70-56	7'	21.9	**119.96**
EM2-75-56	7-1/2'	23.0	**123.79**
EM2-80-56	8'	24.0	**127.71**

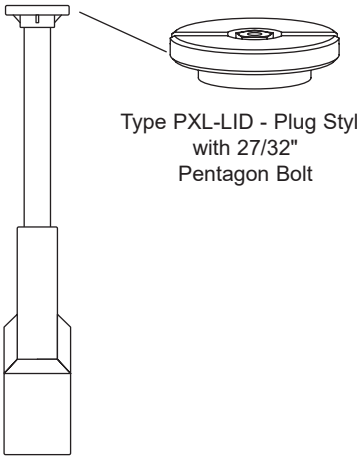
TYPE PL-LID - PLUG STYLE - BASE TAPPED 2"

Catalog Number	Extended Length	Approx. Wt. Lbs.	List Price
EM2-30-57	3'	13.6	**$ 89.08**
EM2-35-57	3-1/2'	14.7	**92.97**
EM2-40-57	4'	15.8	**96.86**
EM2-45-57	4-1/2'	16.8	**100.63**
EM2-50-57	5'	17.9	**104.54**
EM2-55-57	5-1/2'	19.0	**108.36**
EM2-60-57	6'	20.1	**112.28**
EM2-65-57	6-1/2'	21.2	**116.13**
EM2-70-57	7'	22.2	**119.96**
EM2-75-57	7-1/2'	23.3	**123.79**
EM2-80-57	8'	24.4	**127.71**

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MINNEAPOLIS PATTERN WITH 1-1/2" UPPER SECTION

*STATIONARY ROD **NOT** INCLUDED*



Type PXL-LID - Plug Style
with 27/32"
Pentagon Bolt

TYPE PXL-LID - PLUG STYLE - BASE TAPPED 2"

Catalog Number	Extended Length	Approx. Wt. Lbs.	List Price
EM2-35-67	3-1/2'	15.1	**$ 109.13**
EM2-40-67	4'	16.4	**116.13**
EM2-45-67	4-1/2'	17.7	**123.55**
EM2-50-67	5'	19.1	**130.61**
EM2-55-67	5-1/2'	20.4	**137.52**
EM2-60-67	6'	21.7	**144.63**
EM2-65-67	6-1/2'	23.0	**151.68**
EM2-70-67	7'	24.3	**158.64**
EM2-75-67	7-1/2'	25.7	**165.71**
EM2-80-67	8'	27.0	**172.74**

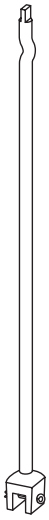
Curb boxes with the PS-LID, PL-LID or PXL-LID are available with a tracer wire terminal on the curb box lid. Add "-TW" to the end of the catalog number. Example: EM2-50-67-TW

Add to price.....**$ 16.42**

HOW TO CHOOSE THE PROPER MINNEAPOLIS PATTERN CURB BOX FOR FORD CURB STOPS

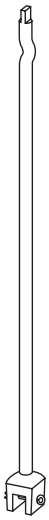
Description of Curb Stop	Base Thread Size
"BH", 3/4" and 1" Ball Curb Stops	1-1/2"
1-1/4", 1-1/2" and 2" Ball Curb Stops	2"
3/4" "Z" Type Inverted Key Curb Stops	1-1/2"
1" "Z" Type Inverted Key Curb Stops	2"

STAINLESS STEEL STATIONARY ROD
(ATTACH TO CURB STOP WITH STAINLESS STEEL COTTER PIN)



Catalog Number	Rod Length	Approx. Wt. Lbs.	List Price
ROD-18-SS	18"	1.2	**$ 83.22**
ROD-24-SS	24"	1.5	**87.45**
ROD-30-SS	30"	1.8	**91.53**
ROD-36-SS	36"	2.2	**95.40**
ROD-42-SS	42"	5.3	**100.23**
ROD-48-SS	48"	2.8	**104.28**
ROD-54-SS	54"	2.8	**108.51**
ROD-60-SS	60"	3.8	**112.89**
ROD-66-SS	66"	4.2	**116.88**
ROD-72-SS	72"	4.6	**120.93**
ROD-78-SS	78"	5.0	**125.19**
ROD-90-SS	90"	5.7	**132.96**

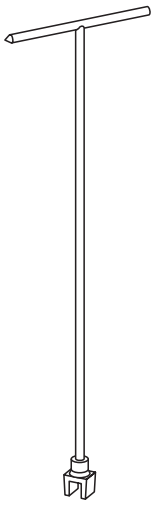
STATIONARY ROD
(ATTACH TO CURB STOP WITH BRASS COTTER PIN)



Catalog Number	Rod Length	Approx. Wt. Lbs.	List Price
ROD-18	18"	1.5	**$ 27.74**
ROD-24	24"	1.9	**29.15**
ROD-30	30"	2.3	**30.51**
ROD-36	36"	2.7	**31.80**
ROD-42	42"	3.1	**33.41**
ROD-48	48"	3.6	**34.76**
ROD-54	54"	4.0	**36.17**
ROD-60	60"	4.4	**37.63**
ROD-66	66"	4.8	**38.96**
ROD-72	72"	5.2	**40.31**
ROD-78	78"	5.6	**41.73**
ROD-90	90"	6.8	**44.32**

GA

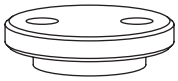
SHUT-OFF RODS
(FOR CURB BOXES WITH 1-1/4" & 1-1/2" UPPER SECTION)



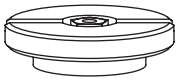
SROD-2

Catalog Number	Rod Length	Approx. Wt. Lbs.	List Price
SROD-2	2'	2.6	**$ 59.63**
SROD-3	3'	3.4	**64.00**
SROD-4	4'	4.5	**76.84**
SROD-5	5'	5.3	**80.20**
SROD-6	6'	6.2	**93.13**
SROD-8	8'	7.7	**114.18**
SROD-9	9'	8.0	**125.13**
SROD-10	10'	9.5	**136.45**

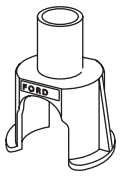
PARTS AND ACCESSORIES FOR ARCH PATTERN BOXES



HS-LID
Type HS-LID - 2 Hole Style
"Erie Pattern"



PS-LID
Type PS-LID - Plug Style
with 27/32"
Pentagon Bolt



CB-7
Curb Box Base

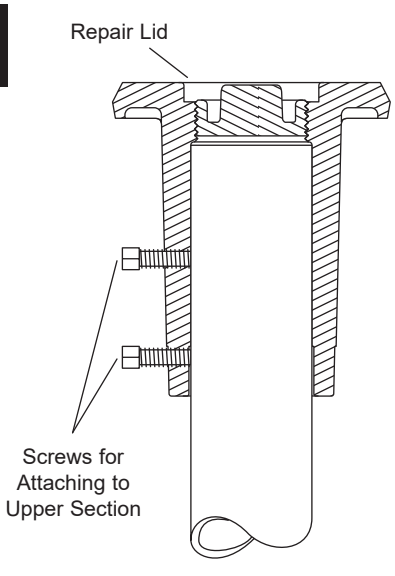
Catalog Number	Description	Approx. Wt. Lbs.	List Price
	ITEMS FOR 1" UPPER SECTION STYLE		
PS-LID	Type PS-LID, Complete	1.5	**$ 19.83**
PS-LID-LP	Type PS-LID, Less Plug	1.3	**19.83**
PS-LID-FIRE	Type PS-LID, Complete with "Fire" Lettering	1.9	**23.82**
PS-LID-SEWER	Type PS-LID, Complete with "Sewer" Lettering	1.9	**23.82**
P-PSL	1" Plug Only for Type PS-LID	0.1	**10.59**
HS-LID	Erie Two Hole Type HS-LID	1.3	**16.67**
HS-LID-SEWER	Type HS-LID, Complete with "Sewer" Lettering	1.3	**20.66**
AB-4	Arch Base Only (with spring)	-	**54.14**
CB-7	Curb Box Base	6.8	**53.57**
SRK	22" Stationary Rod Key	2.1	**61.00**
KEY-CB	Key for Pentagon Bolt for Plug Style Lid	0.7	**43.80**
	ITEMS FOR 1-1/4" UPPER SECTION STYLE		
PL-LID	Type PL-LID, Complete	2.0	**$ 21.01**
PL-LID-LP	Type PL-LID, Less Plug	1.8	**13.25**
PL-LID-SEWER	Type PL-LID, Complete with "Sewer" Lettering	2.0	**25.00**
PL-LID-SEWER-TW	Type PL-LID, Complete with "Sewer" Lettering and Tracer Wire Terminal	2.0	**41.42**
PL-LID-TW	Type PL-LID, Complete with Tracer Wire Terminal	2.0	**37.43**
P-PLL	1-1/4" Plug Only for Type PL-LID	0.2	**12.28**
AB-5	Arch Base Only (with spring)	10.3	**55.37**
CB-7	Curb Box Base	6.8	**53.57**
RL	1-1/4" Repair Lid for Type PL-LID	3.2	**67.92**
COTTER-PIN-800848	Brass Cotter Pin for Curb Box Rod	-	**1.92**
COTTER-PIN-800852	Stainless Steel Cotter Pin for Curb Box Rod	-	**5.76**
KEY-CB	Key for Pentagon Bolt for Plug Style Lid	0.7	**43.80**



KEY-CB
Fits most Curb Box
Pentagon Bolts

PARTS AND ACCESSORIES FOR MINNEAPOLIS PATTERN BOXES

Catalog Number	Description	Approx. Wt. Lbs.	List Price
	ITEMS FOR 1" UPPER SECTION STYLE		
PS-LID	Type PS-LID, Complete	1.5	**$ 19.83**
PS-LID-LP	Type PS-LID, Less Plug	1.3	**19.83**
PS-LID-FIRE	Type PS-LID, Complete with "Fire" Lettering	1.9	**23.82**
PS-LID-SEWER	Type PS-LID, Complete with "Sewer" Lettering	1.9	**23.82**
P-PSL	1" Plug Only for Type PS-LID	0.1	**10.59**
HS-LID	Erie Two Hole Type HS-LID	1.3	**16.67**
HS-LID-SEWER	Type HS-LID, Complete with "Sewer" Lettering	1.3	**20.66**
MB-64	Minn. Base Only (with spring) - Tapped 1-1/2"	6.3	**61.18**
MB-74	Minn. Base Only (with spring) - Tapped 2"	6.1	**62.36**
CBB	2" x 1-1/2" Cast Iron Bushing	0.6	**14.13**
SRK	22" Stationary Rod Key	2.1	**61.00**
KEY-CB	Key for Pentagon Bolt for Plug Style Lid	0.7	**43.80**
	ITEMS FOR 1-1/4" UPPER SECTION STYLE		
PL-LID	Type PL-LID, Complete	2.0	**$ 21.01**
PL-LID-LP	Type PL-LID, Less Plug	1.8	**13.25**
PL-LID-SEWER	Type PL-LID, Complete with "Sewer" Lettering	2.0	**25.00**
PL-LID-SEWER-TW	Type PL-LID, Complete with "Sewer" Lettering and Tracer Wire Terminal	2.0	**41.42**
PL-LID-TW	Type PL-LID, Complete with Tracer Wire Terminal	2.0	**37.43**
P-PLL	1-1/4" Plug Only for Type PL-LID	0.2	**12.28**
RL	1-1/4" Repair Lid for Type PL-LID	3.2	**67.92**
MB-65	Minn. Base Only (with spring) - Tapped 1-1/2"	7.6	**61.94**
MB-75	Minn. Base Only (with spring) - Tapped 2"	8.0	**61.55**
CBB	2" x 1-1/2" Cast Iron Bushing	0.6	**14.13**
KEY-CB	Key for Pentagon Bolt for Plug Style Lid	0.7	**43.80**
	ITEMS FOR 1-1/2" UPPER SECTION STYLE		
PXL-LID	Type PXL-LID, Complete	2.3	**$ 26.42**
PXL-LID-TW	Type PXL-LID, Complete with Tracer Wire Terminal	2.3	**42.84**
P-PXL	1-1/2" Plug Only for Type PXL-LID	0.3	**17.27**
MB-76	Minn. Base Only (with spring) - Tapped 2"	7.1	**63.37**
CBB	2" x 1-1/2" Cast Iron Bushing	0.6	**14.13**
COTTER-PIN-800848	Brass Cotter Pin for Curb Box Rod	-	**1.92**
COTTER-PIN-800852	Stainless Steel Cotter Pin for Curb Box Rod	-	**5.76**
KEY-CB	Key for Pentagon Bolt for Plug Style Lid	0.7	**43.80**



RL
Repair Lid for
PL Type

STANDARD PACKING: CURB BOXES ARE BANDED ON PALLETS - WELL PROTECTED AND EASY TO HANDLE

FORD METER COUPLINGS AND ACCESSORIES
SECTION H

Ford Meter Coupling and Accessory Numbering System

TYPE OF COUPLING OR ACCESSORY

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

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

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

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

METER CONNECTION SIZE

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

NO-LEAD

L 3 1 - 2 3 D - NL

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

1 = Female Iron Pipe Threads
2 = Flare Copper Tube Nut
3 = Meter Nut or Flange
4 = Pack Joint for Plastic or Copper Tube (CTS)
5 = Pack Joint for Iron Pipe
6 = Pack Joint for (SIDR7) PE Pipe
7 = Pack Joint for PVC Pipe (schedule 40 and 80)
8 = Male Iron Pipe Threads
0 = Female Copper Tube Nut Thread or 'Special'

OPTIONAL FEATURES

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

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

METER GASKETS



Catalog Number	Description - Usage	Approx. Wt. Lbs.*	Std. Pkg. Qty.	List Price
GT-109	5/8" Composition Gasket - 5/8" Meter	3.0	1000	$ 1.86
GT-116	3/4" Composition Gasket - 5/8" x 3/4" & 3/4" Meter	2.5	500	1.99
GT-121	1" Composition Gasket - 1" Meter	2.8	300	2.76
GT-167	5/8" Leather Gasket - 5/8" Meter	2.0	1000	1.14
GT-113	3/4" Leather Gasket - 5/8" x 3/4" and 3/4" Meter	2.0	500	1.08
GT-163	1" Leather Gasket - 1" Meter	2.4	400	1.21
GT-110	Leather Changeover Gasket for changing 5/8" Meter to 5/8" x 3/4" Meter	-	-	1.43
GT-108	5/8" Rubber Gasket - 5/8" Meter	3.0	1000	0.48
GT-114	3/4" Rubber Gasket - 5/8" x 3/4" and 3/4" Meter	2.0	500	0.62
GT-120	1" Rubber Gasket - 1" Meter	2.8	400	0.64
GT-124	1-1/4" Rubber Gasket - 1-1/4" Meter	-	-	1.84
GT-140	1-1/2" Rubber Drop-In Gasket - 1-1/2" Flanged Meter	1.5	50	5.30
GT-141	2" Rubber Drop-In Gasket - 2" Flanged Meter	2.5	50	6.02
GT-131	1-1/2" Rubber Gasket - 1-1/2" Tapped Meter	-	-	3.82
GT-135	2" Rubber Gasket - 2" Tapped Meter	-	-	5.88
GT-126	1-1/2" Rubber Gasket - 1-1/2" Male Threaded Meter	-	-	4.75
GT-127	2" Rubber Gasket - 2" Male Threaded Meter	-	-	5.40

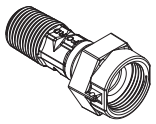
* Weights for gaskets are for standard package quantities.

RUBBER RESETTER GASKETS



Catalog Number	Description - Usage	Price
GT-108	5/8" Rubber Resetter Gasket for 5/8" Meter	$ 0.48
GT-114	3/4" Rubber Resetter Gasket for 5/8" x 3/4" and 3/4" Meter	0.62
GT-120	1" Rubber Resetter Gasket for 1" Meter	0.64

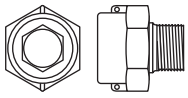
STRAIGHT METER COUPLINGS BY MALE IRON PIPE THREAD



Body Style A
(wrench flats/grooves on barrel)



Body Style B
(heavy wrench flats on barrel)



Body Style C
(short with internal wrench hex)

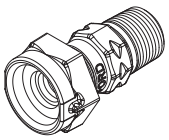


Body Style A/C
(wrench flats on barrel and internal wrench hex)

Catalog Number	Description of Coupling: Body Style	Description of Coupling: Male Iron Pipe Thread Size	Description of Coupling: Coupling Length	Approx. Weight Lbs.	Standard Package Quantity	List Price
FOR 5/8" METERS						
C38-11-2-NL	A	1/2"	2"	0.3	50	$ 20.49
C38-11-2-188-NL	A	1/2"	2-3/16"	0.3	50	20.49
** C38-11-2-375-NL	A	1/2"	2-3/8"	0.4	40	20.49
C38-13-2-188-NL	B	3/4"	2-3/16"	0.4	40	25.70
FOR 5/8" X 3/4" AND 3/4" METERS						
C38-21-1-625-NL	A/C	1/2"	1-5/8"	0.4	35	28.75
C38-21-2-375-NL	A	1/2"	2-3/8"	0.5	25	29.46
C38-23-1-437-NL	A/C	3/4"	1-7/16"	0.4	35	26.47
C38-23-1-5-NL	A/C	3/4"	1-1/2"	0.4	35	26.47
C38-23-1-625-NL	*	3/4"	1-5/8"	0.4	35	23.30
C38-23-2-NL	A	3/4"	2"	0.5	30	23.30
C38-23-2-25-NL	A	3/4"	2-1/4"	0.5	25	23.30
** C38-23-2-5-NL	A	3/4"	2-1/2"	0.5	25	23.30
C38-23-2-75-NL	A	3/4"	2-3/4"	0.5	25	25.96
C38-23-3-NL	A	3/4"	3"	0.5	25	28.24
C38-23-8-5-NL	B	3/4"	8-1/2"	1.5	10	59.99
C38-23-12-NL	B	3/4"	12"	2.1	15	122.43
C38-24-2-5-NL	B	1"	2-1/2"	0.6	24	36.28
FOR 1" METERS						
C38-43-NL	A	3/4"	1-11/16"	0.6	15	43.45
C38-44-1-5-NL	A/C	1"	1-1/2"	0.5	20	34.86
C38-44-2-NL	A/C	1"	2"	0.6	18	34.86
C38-44-2-25-NL	B	1"	2-1/4"	0.8	18	40.80
** C38-44-2-625-NL	A	1"	2-5/8"	0.7	15	35.87
C38-44-3-5-NL	A	1"	3-1/2"	0.8	15	47.27
C38-44-8-5-NL	A	1"	8-1/2"	1.6	5	81.17
FOR 1-1/4" METERS						
C38-54-2-75-NL	A	1"	2-3/4"	1.1	12	49.11
FOR 1-1/2" METERS						
C38-66-2-875-NL	A	1-1/2"	2-7/8"	1.7	8	99.36
FOR 2" METERS						
C38-77-NL	A	2"	3-1/16"	2.3	4	138.37

* Heavy wrench flats on barrel with internal wrench hex ** Standard coupling length.

STRAIGHT METER COUPLINGS WITH INTEGRAL CHECK VALVES



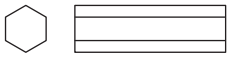
Catalog Number	Description of Coupling: Body Style	Description of Coupling: Male Iron Pipe Thread Size	Description of Coupling: Coupling Length	Number of Check Valves	Approx. Weight Lbs.	Standard Package Quantity	List Price
FOR 5/8" X 3/4" and 3/4" METERS							
C38-23H1-2-5-NL	B	3/4"	2-1/2"	1	0.6	-	$ 59.23
C38-23H2-2-5-NL	B	3/4"	2-1/2"	2	0.6	20	62.83
FOR 1" METERS							
C38-44H1-2-625-NL	B	1"	2-5/8"	1	0.9	15	74.21
C38-44H2-3-NL	B	1"	3"	2	1.0	15	86.75

METER COUPLING NUTS ONLY



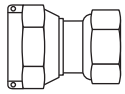
Catalog Number	Description	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
MN-1	5/8" Meter Coupling Nut Only for "A" and "C" Body Style Straight Meter Couplings	0.2	-	$ 6.27
CMC	5/8" to 3/4" Changeover Meter Coupling Nut for Changing 5/8" "A" Body Style Coupling from 5/8" Meter to 5/8" x 3/4" Meter	0.2	50	9.85
MN-2	3/4" Meter Coupling Nut Only for "A" and "C" Body Style Straight Meter Couplings	0.2	-	7.83
MN-4	1" Meter Coupling Nut Only for "A" and "C" Body Style Straight Meter Couplings	0.3	-	12.69
MN-7	2" Meter Coupling Nut Only for "A" and "C" Body Style Straight Meter Couplings	-	-	63.43

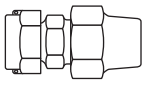
HEX BARS FOR BODY STYLE C



Catalog Number	Description	Wrench Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HBW-3	For 3/4" Couplings, Body Style C	11/16"	0.3	-	$ 16.06
HBW-4	For 1" Couplings, Body Style C	13/16"	0.5	-	19.21

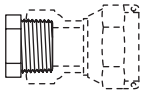
STRAIGHT METER COUPLINGS





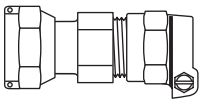
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
METER SWIVEL NUT BY FEMALE IRON PIPE THREAD						
C31-13-NL	5/8" Meter	x	3/4" Female Iron Pipe	0.5	30	$ 25.21
C31-23-NL	5/8" x 3/4" and 3/4" Meter	x	3/4" Female Iron Pipe	0.6	30	34.11
C31-24-NL	5/8" x 3/4" and 3/4" Meter	x	1" Female Iron Pipe	0.6	25	38.21
C31-44-NL	1" Meter	x	1" Female Iron Pipe	0.8	15	49.20
C31-45-NL	1" Meter	x	1-1/4" Female Iron Pipe	1.0	12	54.92
METER SWIVEL NUT BY FLARE COPPER						
C32-13-NL	5/8" Meter	x	3/4" Flare Copper	0.8	20	37.09
C32-23-NL	5/8" x 3/4" and 3/4" Meter	x	3/4" Flare Copper	0.9	20	41.00
C32-44-NL	1" Meter	x	1" Flare Copper	1.4	12	68.82

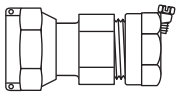
DIELECTRIC BUSHINGS (FOR INSULATING SERVICE LINES)

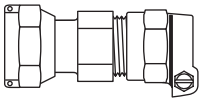


Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
DB-34	3/4" Female Pipe Thread	x	1" Male Pipe Thread	-	-	$ 5.37
DB-45	1" Female Pipe Thread	x	1-1/4" Male Pipe Thread	-	-	9.85
DB-56	1-1/4" Female Pipe Thread	x	1-1/2" Male Pipe Thread	-	-	9.26
DB-67	1-1/2" Female Pipe Thread	x	2" Male Pipe Thread	0.1	-	13.74
DB-78	2" Female Pipe Thread	x	2-1/2" Male Pipe Thread	0.1	-	18.86

STRAIGHT METER COUPLINGS WITH PACK JOINTS







Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
METER SWIVEL NUT BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)						
C34-11-NL	5/8" Meter	x	1/2" CTS P.J.	0.7	25	$ 41.55
►♦ C34-13-NL	5/8" Meter	x	3/4" CTS P.J.	0.7	20	42.25
C34-21-NL	5/8" x 3/4" and 3/4" Meter	x	1/2" CTS P.J.	0.8	20	45.49
C34-22-NL	5/8" x 3/4" and 3/4" Meter	x	5/8" CTS P.J.	0.8	25	50.52
►♦ C34-23-NL	5/8" x 3/4" and 3/4" Meter	x	3/4" CTS P.J.	0.8	18	44.69
►♦ C34-24-NL	5/8" x 3/4" and 3/4" Meter	x	1" CTS P.J.	0.9	15	48.16
►♦ C34-44-NL	1" Meter	x	1" CTS P.J.	1.2	12	60.18
C34-44-Q-NL	1" Meter	x	1" CTS Quick Joint	1.4	12	69.21
‡♦ C34-44-4-75-NL	1" Meter	x	1" CTS P.J.	1.7	10	99.31
C34-45-NL	1" Meter	x	1-1/4" CTS P.J.	1.6	8	86.82
METER SWIVEL NUT BY PACK JOINT FOR IRON PIPE						
C35-11-NL	5/8" Meter	x	1/2" Iron Pipe P.J.	0.6	-	44.52
C35-13-NL	5/8" Meter	x	3/4" Iron Pipe P.J.	0.7	20	44.28
C35-21-NL	5/8" x 3/4" & 3/4" Meter	x	1/2" Iron Pipe P.J.	0.7	20	46.67
C35-23-NL	5/8" x 3/4" & 3/4" Meter	x	3/4" Iron Pipe P.J.	1.1	18	50.52
‡ C35-23-4-875-NL	5/8" x 3/4" & 3/4" Meter	x	3/4" Iron Pipe P.J.	1.3	10	78.54
C35-44-NL	1" Meter	x	1" Iron Pipe P.J.	1.4	10	83.48
‡ C35-44-4-75-NL	1" Meter	x	1" Iron Pipe P.J.	1.9	-	136.12
METER SWIVEL NUT BY PACK JOINT FOR PE PIPE						
► C36-13-NL	5/8" Meter	x	3/4" PE Pipe P.J.	0.8	-	52.68
► C36-23-NL	5/8"x3/4" and 3/4" Meter	x	3/4" PE Pipe P.J.	0.9	15	53.91
► C36-44-NL	1" Meter	x	1" PE Pipe P.J.	1.6	8	89.28
METER SWIVEL NUT BY PACK JOINT FOR PVC PIPE						
C37-13-NL	5/8" Meter	x	3/4" PVC Pipe P.J.	0.8	20	50.17
C37-21-NL	5/8" x 3/4" and 3/4" Meter	x	1/2" PVC Pipe P.J.	0.8	-	51.00
C37-23-NL	5/8" x 3/4" and 3/4" Meter	x	3/4" PVC Pipe P.J.	1.2	15	53.91
‡ C37-23-4-875-NL	5/8" x 3/4" and 3/4" Meter	x	3/4" PVC Pipe P.J.	1.4	12	85.87
C37-44-NL	1" Meter	x	1" PVC Pipe P.J.	1.6	8	90.76
‡ C37-44-4-75-NL	1" Meter	x	1" PVC Pipe P.J.	2.1	10	137.76

Grip Joint for CTS and PEP can be ordered by inserting "-G" into the catalog number. Example: C34-23-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the end of this catalog number. Example: C34-23-Q-NL

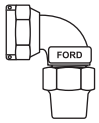
► Ultra-Tite is available. Insert "U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: C34-23-U-AWT-NL

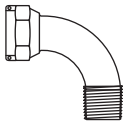
‡ Extended coupling length (4-75 for 4-3/4" and 4-875 for 4-7/8")

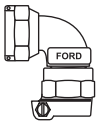
NOTE: Insert stiffeners are priced on page 2 of section J.

ANGLE METER COUPLINGS









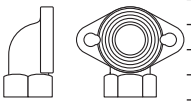
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
METER SWIVEL NUT BY FEMALE IRON PIPE THREAD						
L31-13-NL	5/8" Meter	x	3/4" Female Iron Pipe	0.6	20	**$ 32.72**
L31-23-NL	5/8" x 3/4" and 3/4" Meter	x	3/4" Female Iron Pipe	0.7	20	**40.32**
L31-23D-NL (Test Valve)	5/8" x 3/4" and 3/4" Meter	x	3/4" Female Iron Pipe	0.8	15	**58.56**
L31-24-NL	5/8" x 3/4" and 3/4" Meter	x	1" Female Iron Pipe	0.8	15	**46.94**
L31-44-NL	1" Meter	x	1" Female Iron Pipe	1.0	15	**59.27**
METER SWIVEL NUT BY FLARE COPPER						
L32-13-NL	5/8" Meter	x	3/4" Flare Copper	0.8	16	**39.29**
L32-23-NL	5/8" x 3/4" and 3/4" Meter	x	3/4" Flare Copper	1.0	14	**47.80**
L32-44-NL	1" Meter	x	1" Flare Copper	1.5	8	**73.01**
METER SWIVEL NUT BY MALE IRON PIPE THREAD						
L38-11-NL	5/8" Meter	x	1/2" Male Iron Pipe	0.4	30	**34.26**
L38-23-NL	5/8" x 3/4" and 3/4" Meter	x	3/4" Male Iron Pipe	0.7	16	**34.26**
L38-24-NL	5/8" x 3/4" and 3/4" Meter	x	1" Male Iron Pipe	0.6	15	**39.82**
L38-44-NL	1" Meter	x	1" Male Iron Pipe	0.9	10	**48.86**
L38-45-AWT-NL	1" Meter	x	1-1/4" Male Iron Pipe	1.3	-	**75.47**
L38-66-NL	1-1/2" Meter	x	1-1/2" Male Iron Pipe	2.8	6	**172.03**
METER SWIVEL NUT BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)						
► **L34-13-NL**	5/8" Meter	x	3/4" CTS Pack Joint	0.7	15	**44.49**
►♦**L34-23-NL**	5/8" x 3/4" and 3/4" Meter	x	3/4" CTS Pack Joint	0.9	15	**50.63**
► **L34-44-NL**	1" Meter	x	1" CTS Pack Joint	1.3	8	**80.20**
L34-44-Q-NL	1" Meter	x	1" CTS Quick Joint	1.5	8	**86.57**
L34-45-NL	1" Meter	x	1-1/4" CTS Pack Joint	0.9	-	**85.97**
METER SWIVEL NUT BY PACK JOINT FOR (SIDR7) PE PIPE						
► **L36-23-NL**	5/8" x 3/4" and 3/4" Meter	x	3/4" PE Pipe Pack Joint	1.0	14	**58.92**
► **L36-44-NL**	1" Meter	x	1" PE Pipe Pack Joint	1.7	-	**105.24**

Grip Joint for CTS and PEP can be ordered by inserting "-G" into the catalog number. Example: L34-23-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the end of this catalog number. Example: L34-23-Q-NL

► Ultra-Tite is available. Insert "U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: L34-23-U-AWT-NL

FLANGE ELLS FOR 1-1/2" AND 2" METERS

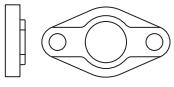


LF31-77-NL

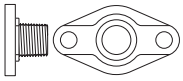
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
METER FLANGE BY FEMALE IRON PIPE THREAD						
LF31-66-NL	1-1/2" Meter Flange	x	1-1/2" Female Iron Pipe	3.6	4	**$ 190.13**
LF31-67-NL	1-1/2" Meter Flange	x	2" Female Iron Pipe	4.0	-	**209.80**
LF31-77-NL	1-1/2" and 2" Meter Flange	x	2" Female Iron Pipe	4.1	3	**280.69**
METER FLANGE BY FLARE COPPER						
LF32-66-NL	1-1/2" Meter Flange	x	1-1/2" Flare Copper	5.1	-	**272.05**
LF32-67-NL	1-1/2" Meter Flange	x	2" Flare Copper	6.7	-	**351.71**
LF32-77-NL	1-1/2" and 2" Meter Flange	x	2" Flare Copper	7.6	-	**456.29**
METER FLANGE BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)						
LF34-66-NL	1-1/2" Meter Flange	x	1-1/2" CTS Pack Joint	4.3	2	**249.45**
LF34-77-NL	1-1/2" and 2" Meter Flange	x	2" CTS Pack Joint	5.3	2	**336.91**

Grip Joint for CTS can be ordered by inserting "-G" into the catalog number. Example: LF34-66-G-NL

BRONZE METER FLANGES



Female Iron Pipe



Male Iron Pipe

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
CF31-66-NL	1-1/2" Meter Flange	x	1-1/2" Female Iron Pipe Thread	2.0	8	**$ 103.70**
CF31-66-EXP-NL	1-1/2" Expanding Meter Flange	x	1-1/2" Female Iron Pipe Thread	5.1	2	**203.63**
CF31-67-NL	1-1/2" Meter Flange	x	2" Female Iron Pipe Thread	1.7	8	**103.70**
CF31-77-NL	2" Meter Flange	x	2" Female Iron Pipe Thread	2.7	6	**135.40**
CF31-77-EXP-NL	2" Expanding Meter Flange	x	2" Female Iron PIpe	5.5	3	**250.77**
CF31-78-NL	2" Meter Flange	x	2-1/2" Female Iron Pipe Thread	2.4	5	**135.40**
CF33-66S-2-125-NL	1-1/2" Meter Swivel Nut	x	1-1/2" Meter Flange	6.9	2 pr.	**421.24 pr.**
CF33-77S-2-25-NL	2" Meter Swivel Nut	x	2" Meter Flange	8.5	2 pr.	**489.05 pr.**
CF38-66-2-NL	1-1/2" Meter Flange	x	1-1/2" Male Iron Pipe Thread	2.5	5	**112.03**
CF38-66-EXP-NL	1-1/2" Expanding Meter Flange	x	1-1/2" Male Iron Pipe Thread	4.5	-	**211.96**
CF38-77-1-937-NL	2" Meter Flange	x	2" Male Iron Pipe Thread	2.8	3	**136.06**
CF38-77-2-125-NL	2" Meter Flange	x	2" Male Iron Pipe Thread	2.9	3	**149.47**
CF38-77-EXP-NL	2" Expanding Meter Flange	x	2" Male Iron Pipe Thread	5.7	2	**251.41**
FOUR BOLT ROUND FLANGE						
RF-2I-NL	2" 4-Bolt Meter Flange	x	2" Female Iron Pipe Thread	4.4	5	**188.07**

Steel bolts and nuts (5/8" x 2-1/2" zinc-plated, for attaching 1-1/2" and 2" flanges and flange ells) per pair (Cat. No.: **PSB**). . . . **$ 11.45**

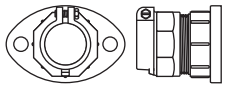
Drop-in rubber gaskets are included with all two bolt 1-1/2" and 2" bronze meter flanges and flange ells.

For **meter support brackets** (two per flange) insert "**-MSB**" into catalog number and add to price **15.81**
Example: LF34-66-MSB-NL

For optional slotted bolt holes on 2" bronze meter flanges to allow 1-1/2" meter installation, call for pricing.

LOK-PAK METER COUPLINGS

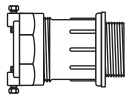
LOK-PAK METER COUPLINGS FOR FLANGED METERS



CF37-66-NL

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
METER FLANGE BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)						
CF34-66-NL	1-1/2" Meter Flange	x	1-1/2" CTS P.J.	3.9	3	**$ 186.61**
CF34-77-NL	2" Meter Flange	x	2" CTS P.J.	4.4	5	**228.90**
METER FLANGE BY PACK JOINT FOR IRON PIPE						
CF35-66-NL	1-1/2" Meter Flange	x	1-1/2" Iron Pipe P.J.	3.5	3	**192.15**
CF35-77-NL	2" Meter Flange	x	2" Iron Pipe P.J.	4.8	3	**248.67**
METER FLANGE BY PACK JOINT FOR PVC PIPE						
CF37-66-NL	1-1/2" Meter Flange	x	1-1/2" PVC Pipe P.J.	3.9	3	**195.61**
CF37-77-NL	2" Meter Flange	x	2" PVC Pipe P.J.	5.6	5	**279.44**

LOK-PAK METER COUPLINGS FOR TAPPED METERS



CT35-77-NL

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
CONNECTION FOR TAPPED METER BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)						
CT34-66-NL	1-1/2" Tapped Meter Connection	x	1-1/2" CTS P.J.	2.1	4	**$ 135.99**
CT34-77-NL	2" Tapped Meter Connection	x	2" CTS P.J.	3.3	3	**210.71**
CONNECTION FOR TAPPED METER BY PACK JOINT FOR IRON PIPE						
CT35-66-NL	1-1/2" Tapped Meter Connection	x	1-1/2" Iron Pipe P.J.	2.1	4	**148.13**
CT35-77-NL	2" Tapped Meter Connection	x	2" Iron Pipe P.J.	3.2	3	**215.57**

Grip Joint for CTS can be ordered by inserting "-G" into the catalog number. Example: CF34-66-G-NL

Gaskets are furnished with all Lok-Pak couplings, flat drop-in gaskets for flanged meters, flat circular gaskets for tapped meters.

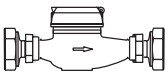
METER ADAPTERS - (ALL ADAPTERS SOLD IN PAIRS EXCEPT A21, A23 AND A44)



Adapt from 5/8" to 1" Meter with A14-NL Adapter



Adapt from 1" to 2" Meter with A47-NL Adapter



Adapt from 1" to 2" Meter with TA47-NL Adapter

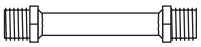
Catalog Number	Description - Usage	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
ADAPTER RINGS TO BUSH METER SPUDS (NO CHANGE IN METER LENGTH)				
A12S	Pair Short Adapter Rings to Bush 5/8" Meter Spuds to 5/8" x 3/4" Meter Spud Size	0.1	100 pair	**$ 11.86 pr.**
A12M	Pair Medium Adapter Rings to Bush 5/8" Meter Spuds to 5/8" x 3/4" Meter Spud Size	0.1	100 pair	**11.86 pr.**
A12L	Pair Long Adapter Rings to Bush 5/8" Meter Spuds to 5/8" x 3/4" Meter Spud Size	0.1	75 pair	**15.93 pr.**
A34S	Pair Short Adapter Rings to Bush 3/4" Meter Spuds to 1" Meter Spud Size	0.3	50 pair	**23.67 pr.**
❍ **A45**	Pair Adapter Rings to Bush 1" Meter Spuds to 1-1/4" Meter Spud Size	0.2	35 pair	**28.91 pr.**
ADAPTERS TO CHANGE METER SPUD SIZE AND/OR LENGTH				
A13-NL	Pair Adapters to Change 5/8" Meter to 3/4" Meter Spud Size and Length	0.5	35 pair	**39.02 pr.**
A14-NL	Pair Adapters to Change 5/8" Meter to 1" Meter Spud Size and Length	0.7	15 pair	**48.85 pr.**
A21-NL	One Adapter to Change 5/8" x 3/4" and 3/4" to 5/8" Meter Spud Size	0.2	40 each	**22.51 ea.**
A23-NL	One Adapter to Change 5/8" x 3/4" Meter to 3/4" Meter Length	0.4	30 each	**24.76 ea.**
A24-NL	Pair Adapters to Change 5/8" x 3/4" Meter to 1" Spud Size and Length	1.0	12 pair	**59.50 pr.**
A34-NL	Pair Adapters to Change 3/4" Meter to 1" Meter Spud Size and Length	0.7	24 pair	**45.63 pr.**
A44-NL	One Adapter to Change 3/4" x 1" Meter to 1" Meter Length	0.7	16 each	**36.05 ea.**
A46-NL	Pair Adapters to Change 1" Meter to 1-1/2" Flanged Meter Size and Length	3.9	3 pair	**345.99 pr.**
A47-NL	Pair Adapters to Change 1" Meter to 2" Flanged Meter Size and Length	6.9	1 pair	**354.14 pr.**
A67-NL	Pair Adapters to Change 1-1/2" Flanged Meter to 2" Flanged Meter Size and Length (eight special length bolts included)	10.1	2 pair	**509.51 pr.**
A77-15-25-NL	Pair Adapters to Change 2" Meter 17" to 2" Meter (15-1/4" Length)	7.1	2 pair	**294.94 pr.**
TA46-NL	Pair Adapters to Change 1" Meter to 1-1/2" Tapped Meter Size and Length	1.4	8 pair	**136.58 pr.**
TA47-NL	Pair Adapters to Change 1" Meter to 2" Tapped Meter Size and Length	3.0	4 pair	**214.63 pr.**

Note: Adapter numbers A21, A23 and A44 extend the meter length only and therefore only one per meter is required. All other adapters are sold in pairs; the part number, weight and price reflect a pair.

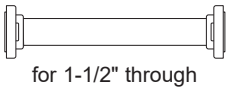
❍ **Attention:** Special solder and procedures are required for best results. Contact factory for details.

H

METER IDLERS



for 5/8" through 1" meters

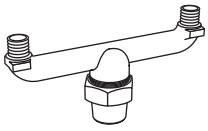


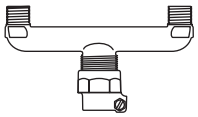
for 1-1/2" through 2" meters

Catalog Number	Description	Approx. Wt. Lbs.	Std Pkg. Qty.	List Price
IDLER-1-NL	Replaces 5/8" Meter	0.6	40	**$ 45.73**
IDLER-1P	Replaces 5/8" Meter (plastic)	0.1	-	**21.05**
IDLER-2-NL	Replaces 5/8" x 3/4" Meter	0.9	25	**45.73**
IDLER-2-4-NL	Replaces 5/8" x 3/4" Meter, 4" length	0.7	-	**45.73**
IDLER-2-5-75-NL	Replaces 5/8" x 3/4" Meter, 5-3/4" length	0.8	18	**45.73**
IDLER-2P	Replaces 5/8" x 3/4" Meter (plastic)	0.3	1	**21.05**
IDLER-3-NL	Replaces 3/4" Meter	1.0	18	**61.30**
IDLER-3-9-5-NL	Replaces 3/4" Meter, 9-1/2" length	1.0	18	**66.63**
IDLER-3P	Replaces 3/4" Meter (plastic)	0.4	1	**22.54**
IDLER-4-NL	Replaces 1" Meter	1.5	12	**89.70**
IDLER-4-6-875-NL	Replaces 1" Meter, 6-7/8" length	1.2	5	**89.70**
IDLER-4-9-NL	Replaces 1" Meter, 9" length	1.4	12	**98.67**
IDLER-4P	Replaces 1" Meter (plastic)	0.4	1	**27.68**
IDLER-4P-9	Replaces 1" Meter (plastic), 9" length	0.4	1	**16.84**
IDLER-6-NL	Replaces 1-1/2" Meter	6.2	1	**313.09**
IDLER-6-3-NL	Replaces 1-1/2" Meter, 3" length	4.4	-	**313.09**
IDLER-6-4-NL	Replaces 1-1/2" Meter, 4" length	4.5	6	**313.09**
IDLER-6-7-NL	Replaces 1-1/2" Meter, 7" length	5.6	1	**313.09**
IDLER-6-10-NL	Replaces 1-1/2" Meter, 10" length	5.9	1	**313.09**
IDLER-7-NL	Replaces 2" Flanged Meter	10.8	1	**413.73**
IDLER-7-3-NL	Replaces 2" Flanged Meter, 3" length	6.0	2	**344.04**
IDLER-7-6-875-NL	Replaces 2" Flanged Meter, 6-7/8" length	6.6	4	**413.73**
IDLER-7-8-NL	Replaces 2" Flanged Meter, 8" length	7.9	1	**413.73**
IDLER-7-10-NL	Replaces 2" Flanged Meter, 10" length	8.0	-	**413.73**
IDLER-7-13-313-NL	Replaces 2" Flanged Meter, 13-5/16" length	8.2	1	**413.73**
IDLER-7-15-25-NL	Replaces 2" Flanged Meter, 15-1/4" length	8.4	1	**413.73**
IDLER-7-15-75-NL	Replaces 2" Flanged Meter, 15-3/4" length	8.4	-	**413.73**
IDLER-7-18-5-NL	Replaces 2" Flanged Meter, 18-1/2" length	8.5	1	**427.43**

Steel bolts and nuts (5/8" x 2-1/2" zinc plated, for attaching 1-1/2" and 2" flange Lok-Pak couplings, adapters and idlers,) per pair (Cat. No.: **PSB**) . . . . . **$ 11.45**

"U" BRANCH PIECES





Catalog Number	Description			List Price 6-1/2" Spacing	7-1/2" Spacing	9" Spacing	12-1/2" Spacing	14" Spacing	18" Spacing
"U" BRANCH PIECES									
U11-43-spacing-NL	1" FIP	x	Two 3/4" FIP Outlets	**$ 88.26**	**$ 97.45**	**N/A**	**$ 153.32**	**$ 167.76**	**N/A**
U11-43-18-AWT-NL	1" FIP	x	Two 3/4" FIP Outlets	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**$ 621.30**
U11-44-18-NL	1" FIP	x	Two 1" FIP Outlets	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**588.66**
U18-33-spacing-NL	3/4" FIP	x	Two 3/4" MIP Outlets	**81.79**	**90.84**	**N/A**	**N/A**	**N/A**	**N/A**
U18-43-spacing-NL	1" FIP	x	Two 3/4" MIP Outlets	**84.83**	**93.96**	**N/A**	**164.69**	**169.43**	**N/A**
U18-44-14-NL	1" FIP	x	Two 1" MIP Outlets	**N/A**	**N/A**	**N/A**	**N/A**	**175.12**	**N/A**
U18-64-9-NL	1-1/2" FIP	x	Two 1" MIP Outlets	**N/A**	**N/A**	**$ 169.73**	**N/A**	**N/A**	**N/A**
U21-33-spacing-NL	3/4" Flare Copper	x	Two 3/4" FIP Outlets	**96.87**	**105.97**	**N/A**	**N/A**	**N/A**	**N/A**
U21-43-spacing-NL	1" Flare Copper	x	Two 3/4" FIP Outlets	**100.31**	**109.45**	**N/A**	**152.00**	**187.23**	**N/A**
U28-33-spacing-NL	3/4" Flare Copper	x	Two 3/4" MIP Outlets	**86.45**	**95.67**	**N/A**	**N/A**	**N/A**	**N/A**
U28-43-spacing-NL	1" Flare Copper	x	Two 3/4" MIP Outlets	**95.15**	**104.39**	**N/A**	**177.90**	**181.52**	**N/A**
U28-64-9-NL	1-1/2" Flare Copper	x	Two 1" MIP Outlets	**N/A**	**N/A**	**208.06**	**N/A**	**N/A**	**N/A**
U88-33-spacing-NL	3/4" MIP	x	Two 3/4" MIP Outlets	**78.88**	**88.08**	**N/A**	**N/A**	**N/A**	**N/A**
U88-43-spacing-NL	1" MIP	x	Two 3/4" MIP Outlets	**80.60**	**89.70**	**N/A**	**N/A**	**173.56**	**N/A**
U88-64-9-NL	1-1/2" MIP	x	Two 1" MIP Outlets	**N/A**	**N/A**	**183.56**	**N/A**	**N/A**	**N/A**
"U" BRANCH PIECES WITH PACK JOINT INLETS FOR COPPER OR PLASTIC TUBING (CTS)									
►U41-43-spacing-NL	1" CTS P.J.	x	Two 3/4" FIP Outlets	**107.42**	**116.70**	**N/A**	**N/A**	**N/A**	**N/A**
►U48-33-spacing-NL	3/4" CTS P.J.	x	Two 3/4" MIP Outlets	**86.12**	**95.29**	**N/A**	**N/A**	**N/A**	**N/A**
►U48-43-spacing-NL	1" CTS P.J.	x	Two 3/4" MIP Outlets	*** 98.63**	**♦ 107.77**	**N/A**	**169.52**	**♦ 187.97**	**N/A**
U48-43-14-Q-NL	1" CTS P.J.	x	Two 3/4" MIP Outlets	**N/A**	**N/A**	**N/A**	**N/A**	**216.19**	**N/A**
U48-63-NL	1-1/2" CTS P.J.	x	Two 3/4" MIP Outlets	**N/A**	**194.56**	**N/A**	**N/A**	**N/A**	**N/A**
U48-64-9-NL	1-1/2" CTS P.J.	x	Two 1" MIP Outlets	**N/A**	**N/A**	**243.31**	**N/A**	**N/A**	**N/A**
U48-64-9-Q-NL	1-1/2" CTS P.J.	x	Two 1" MIP Outlets	**N/A**	**N/A**	**262.82**	**N/A**	**N/A**	**N/A**
"U" BRANCH PIECES WITH PACK JOINT INLET FOR PE PIPE									
►U68-33-spacing-NL	3/4" PE Pipe P.J.	x	Two 3/4" MIP Outlets	**98.80**	**108.03**	**N/A**	**N/A**	**N/A**	**N/A**
►U68-43-spacing-NL	1" PE Pipe P.J.	x	Two 3/4" MIP Outlets	**113.94**	**123.12**	**N/A**	**N/A**	**206.60**	**N/A**
U68-53-NL	1-1/4" PE Pipe P.J.	x	Two 3/4" MIP Outlets	**N/A**	**140.10**	**N/A**	**N/A**	**N/A**	**N/A**

Grip Joint for CTS and (3/4" and 1") PEP can be ordered by inserting "-G" into the catalog number.
Example: U48-43-125-G-NL

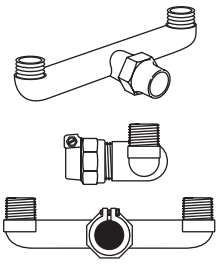
♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: U48-43-65-Q-NL

NOTE: To order, use the catalog number plus the desired spacing.
Example: U21-43-65-NL is a U-Branch with a 1" flare inlet and two 3/4" FIP outlets with a 6-1/2" spacing between the outlets.
A 7-1/2" spacing will be provided unless otherwise specified.

***** **Ultra-Tite** is available. Insert "-U" into the catalog number.

► Ultra-Tite is available. Insert "U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: UA41-43-65-U-AWT-NL

ANGLE "U" BRANCH PIECES



ALL ANGLE "U" BRANCHES HAVE 6 1/2" SPACING

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
UA11-43-65-NL	1" Female Iron Pipe	x	Two 3/4" Female Iron Pipe Outlets	2.4	-	**$ 106.64**
UA18-43-65-NL	1" Female Iron Pipe	x	Two 3/4" Male Iron Pipe Outlets	2.1	2	**94.77**
UA21-43-65-NL	1" Flare Copper	x	Two 3/4" Female Iron Pipe Outlets	2.7	-	**114.21**
UA28-43-65-NL	1" Flare Copper	x	Two 3/4" Male Iron Pipe Outlets	2.5	2	**103.66**
► UA41-43-65-NL	1" CTS P.J.	x	Two 3/4" Female Iron Pipe Outlets	2.6	2	**115.82**
► UA48-43-65-NL	1" CTS P.J.	x	Two 3/4" Male Iron Pipe Outlets	2.3	2	**113.94**

Grip Joint for CTS can be ordered by inserting "-G" into the catalog number. Example: UA41-43-65-G-NL

► Ultra-Tite is available. Insert "U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: UA41-43-65-U-AWT-NL

METER COUPLING BUSHINGS

FOR USE WITH STRAIGHT METER COUPLINGS TO FACILITATE TAPPED METER REMOVAL

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
BBIM-33-NL	3/4" Female Iron Pipe Thread	x	3/4" Male Meter Thread	0.3	60	**$ 23.07**
BBIM-34-NL	3/4" Female Iron Pipe Thread	x	1" Male Meter Thread	0.4	54	**29.01**
BBIM-44-NL	1" Female Iron Pipe Thread	x	1" Male Meter Thread	0.4	-	**25.70**
BBIM-66-NL	1-1/2" Female Iron Pipe Thread	x	1-1/2" Male Meter Thread	0.9	15	**87.48**
BBIM-77-NL	2" Female Iron Pipe Thread	x	2" Male Meter Thread	1.5	8	**126.69**

Example: The male iron pipe thread end of a C38-66-2-875-NL will thread into a 1-1/2" tapped meter. The female iron pipe thread of a BBIM-66-NL will thread onto the service line. This allows a swivel connection between the swivel nut on the C38-66-2-875-NL and the male meter thread on the BBIM-66-NL.

METER PLUGS

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
MP-1-NL	5/8" Meter Thread	x	Square Wrench Head	0.1	100	**$ 17.28**
MP-23-NL	3/4" Meter Thread	x	Square Wrench Head	0.2	100	**18.40**
MP-4-NL	1" Meter Thread	x	Square Wrench Head	0.4	100	**27.56**

FORD CHECK VALVES, RETROSETTERS AND CUT-IN CHECK VALVES

SECTION I

**** TYPES OF *CHECK VALVES**

- **HA** = Angle Check Valve
- **HHA** = Angle Cascading Dual Check Valve
- **HHACR** = Angle Cascading Dual Check Valve (enhanced chlorine/chloramine resistance)
- **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
- **HHSCR** = Straight Cascading Dual Check Valve (enhanced chlorine/chloramine resistance)
- **HHC** = Straight Cartridge Style Dual Check Valve (not in-line accessible)
- **HHCCR** = Straight Cartridge Style Dual Check Valve (enhanced chlorine/chloramine resistant cartridges)
- **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" x 3/4" and 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**/IPS PE Pipe
- **8** = Male Iron Pipe Threads
- **9** = Yoke Nose

* Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L cop per only.

** Ford Pack Joints for PVC are only recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11

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
- **PE** = Plain End
- **TW-Q** = CTS Quick Joint with Tracer Wire Terminal (contact factory for pricing)
- **U-AWT** = Ultra-Tite (components assembled watertight)

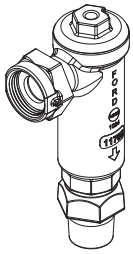
Note: See item listings in catalog section to ensure that desired sizes and options are available

ANGLE CARTRIDGE STYLE DUAL CHECK VALVES (in-line accessible)



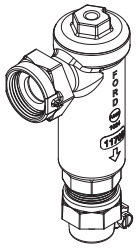
METER SWIVEL NUT INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HHCA31-313-NL	3/4"	5/8"	3/4"	1.6	8	**$ 165.46**
∈ HHCA31-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.7	8	**165.46**
HHCA31-344-NL	3/4"	1"	1"	2.0	-	**187.78**
∈ HHCA31-444-NL	1"	1"	1"	2.9	4	**287.10**



METER SWIVEL NUT INLET BY FLARE COPPER OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HHCA32-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	2.2	-	**$ 185.61**
HHCA32-444-NL	1"	1"	1"	3.6	4	**321.04**



METER SWIVEL NUT INLET BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
►♦ HHCA34-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	2.1	5	**$ 186.71**
► HHCA34-444-NL	1"	1"	1"	3.4	4	**323.65**

Grip Joint for CTS can be ordered by inserting "-G" into the catalog number. Example: HHCA34-323-G-NL

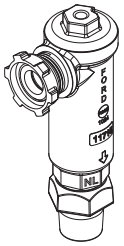
METER SWIVEL NUT INLET BY PACK JOINT FOR PVC/IPS PE OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HHCA37-324-NL	3/4"	5/8" x 3/4" and 3/4"	1"	-	-	**$ 258.62**



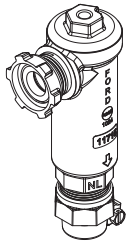
METER YOKE INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HHCA91-313-NL	3/4"	5/8"	3/4"	1.6	8	**$ 159.05**
HHCA91-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.6	8	**159.05**
HHCA91-324-NL	3/4"	5/8" x 3/4" and 3/4"	1"	1.8	5	**175.98**
HHCA91-344-NL	3/4"	1"	1"	2.1	-	**175.98**
HHCA91-444-NL	1"	1"	1"	2.9	4	**283.07**



METER YOKE INLET BY FLARE COPPER OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HHCA92-313-NL	3/4"	5/8"	3/4"	2.1	-	**$ 191.82**
HHCA92-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	2.1	5	**191.82**
HHCA92-424-NL	1"	5/8" x 3/4" and 3/4"	1"	3.4	4	**297.84**
HHCA92-444-NL	1"	1"	1"	3.7	4	**310.29**



METER YOKE INLET BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
►♦ HHCA94-313-NL	3/4"	5/8"	3/4"	2.0	5	**$ 193.68**
►♦ HHCA94-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	2.0	5	**193.68**
► HHCA94-324-NL	3/4"	5/8" x 3/4" and 3/4"	1"	2.1	-	**210.59**
►♦ HHCA94-414-NL	1"	5/8"	1"	3.3	-	**300.47**
►♦ HHCA94-424-NL	1"	5/8" x 3/4" and 3/4"	1"	3.2	4	**300.47**
►♦ HHCA94-444-NL	1"	1"	1"	3.4	4	**312.92**

Grip Joint for CTS can be ordered by inserting "-G" into the catalog number. Example: HHCA94-323-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: HHCA94-323-Q-NL
Drain/Test Valve (drains inlet) on the top access cap available (not on the side of the check valve). Insert "D" into the catalog number. Example: HHCA31-323D-NL **Add to price** . . . . . **$ 24.89**

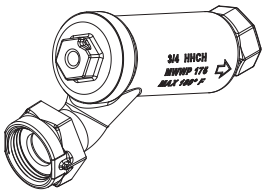
► Ultra-Tite compression is available. Insert "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: HHCA94-424-U-AWT-NL

Cartridges are available with enhanced chlorine/chloramine resistance. Add "CR" to the end of the alpha code. Example: HHCACR31-323-NL
Add to price for 3/4" cartridge . . . . . **$ 39.02**
Add to price for 1" cartridge . . . . . **$ 49.47**

∈ Indicates a 3-port bleeder valve configuration is available. Insert "-3TV" into the catalog number. Example: HHCA31-323-3TV-NL **Add to price** . . . . . **$ 164.34**

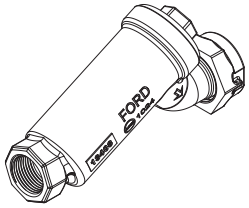
Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

CARTRIDGE STYLE STRAIGHT DUAL CHECK VALVES (in-line accessible)



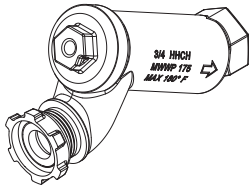
METER SWIVEL NUT INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HHCH31-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.9	8	**$ 173.78**
HHCH31-344-NL	3/4"	1"	1"	2.4	4	**196.12**



FEMALE IRON PIPE THREAD INLET BY METER SWIVEL NUT OUTLET (ATTACHES TO INLET SIDE OF METER)

Catalog Number	Valve Size	Inlet Size	Meter Size Outlet	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HHCH13-332-NL	3/4"	3/4"	5/8" x 3/4" and 3/4"	2.0	-	**$ 179.00**



METER YOKE INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HHCH91-313-NL	3/4"	5/8"	3/4"	2.0	-	**$ 171.76**
HHCH91-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.9	8	**171.76**

Drain/Test Valve (drains inlet) on the top access cap available (not on the side of the check valve). Insert "D" into the catalog number. Example: HHCH31-323D-NL

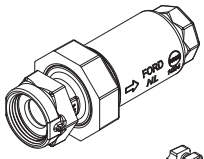
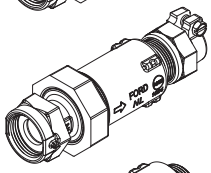
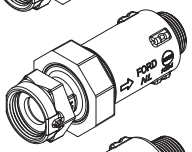
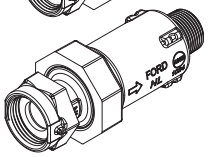
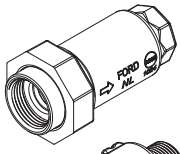
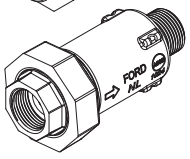
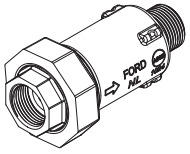
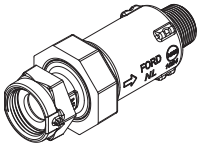
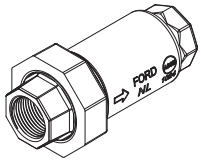
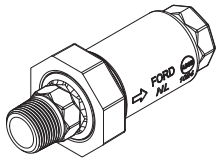
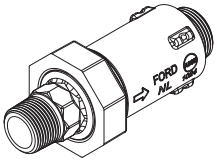
Add to price . . . . . **$ 24.89**

Cartridges are available with enhanced chlorine/chloramine resistance. Add "CR" to the end of the alpha code. Example: HHCHCR31-323-NL.

Add to price for 3/4" cartridge . . . . . **$ 39.02**

I

STRAIGHT CARTRIDGE STYLE DUAL CHECK VALVES (not in-line accessible)

METER SWIVEL NUT INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HHC31-313-NL	3/4"	5/8"	3/4"	1.6	8	$ 155.17
HHC31-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.7	8	155.17
HHC31-444-NL	1"	1"	1"	2.7	4	289.46

METER SWIVEL NUT INLET BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
► HHC34-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.9	8	$ 159.39

METER SWIVEL NUT INLET BY KORNERHORN THREAD OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HHC30-320-NL	3/4"	5/8" x 3/4" and 3/4"	■ Male Kornerhorn Thread for Pack Joint Assemblies (see section B)	1.7	-	$ 159.74

METER SWIVEL NUT INLET BY MALE IRON PIPE THREAD OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Meter Size Outlet	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HHC38-313-NL	3/4"	5/8"	3/4"	1.6	-	$ 155.17
HHC38-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.7	8	155.17

INTEGRAL FEMALE METER THREAD UNION INLET BY FEMALE METER THREAD OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HHCI31-444-NL	1"	1"	1"	2.5	5	$ 271.64

INTEGRAL FEMALE METER THREAD UNION INLET BY MALE IRON PIPE THREAD OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HHCI38-313-NL	3/4"	5/8"	3/4"	1.3	-	$ 141.10
HHCI38-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.3	12	141.10

INTEGRAL FEMALE METER THREAD UNION INLET BY MALE METER THREAD OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Meter Size Outlet	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
* HHCI33-311-NL	3/4"	5/8"	5/8"	1.4	10	$ 141.10
* HHCI33-322-NL	3/4"	5/8" x 3/4" and 3/4"	5/8" x 3/4" and 3/4"	1.4	8	141.10

METER SWIVEL NUT INLET BY MALE METER THREAD OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Meter Size Outlet	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HHC3MM-322-SN-NL	3/4"	5/8" x 3/4" and 3/4"	5/8" x 3/4" and 3/4"	1.8	-	$ 159.74
HHC3MM-342-NL	3/4"	1"	5/8" x 3/4" and 3/4"	1.8	8	141.10
HHC3MM-444-SN-NL	1"	1"	1"	2.7	-	312.64

FEMALE IRON PIPE THREAD UNION INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Valve Size	Inlet Size	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HHC11-333-NL	3/4"	3/4"	3/4"	1.5	12	$ 141.10
HHC11-344-NL	3/4"	1"	1"	1.4	8	141.10
HHC11-444-NL	1"	1"	1"	2.5	4	271.64

MALE IRON PIPE THREAD UNION INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Valve Size	Inlet Size	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HHC81-333-NL	3/4"	3/4"	3/4"	1.5	6	$ 141.10
HHC81-344-NL	3/4"	1"	1"	1.5	6	141.10
HHC81-444-NL	1"	1"	1"	2.5	4	271.64

MALE IRON PIPE THREAD UNION INLET BY KORNERHORN THREAD OUTLET

Catalog Number	Valve Size	Inlet Size	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HHC80-330-NL	3/4"	3/4"	■ Male Kornerhorn Thread for Pack Joint Assemblies (see section B)	1.5	-	$ 135.09

Straight cartridge check valves for Kornerhorns found on page I-9.

■ 3/4" Kornerhorn threads fit KH-1, KH-2, KH-3 style

* Also used in Long Yokeboxes, catalog section C.

► Ultra-Tite compression is available. Insert "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: HHC34-323-U-AWT-NL

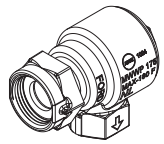
Cartridges are available with enhanced chlorine/chloramine resistance. Add "CR" to the end of the alpha code. Example: HHCCR11-333-NL.

Add to price for 3/4" cartridge . . . . . **$ 39.02**

Add to price for 1" cartridge . . . . . **$ 49.47**

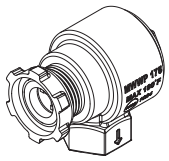
Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

ANGLE CASCADING DUAL CHECK VALVES (in-line accessible)


HHA31-323-NL

WITH METER SWIVEL NUT INLET

	Catalog Number	Valve Size	Meter Size Inlet	Outlet Size and Type	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	HHA31-313-NL	3/4"	5/8"	3/4" FIP	1.3	10	**$ 150.90**
Δ	**HHA31-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4" FIP	1.4	10	**150.90**
	HHA31-344-NL	3/4"	1"	1" FIP	1.7	8	**156.85**
	HHA32-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4" Fl. Cop.	1.9	6	**167.39**
►	**HHA34-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4" CTS P.J.	1.8	6	**170.08**


HHA91-323-NL

WITH METER YOKE INLET FOR IRON YOKE SETTINGS

	Catalog Number	Valve Size	Meter Size Inlet	Outlet Size and Type	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
Δ	**HHA91-313-NL**	3/4"	5/8"	3/4" FIP	1.4	10	**$ 137.19**
Δ	**HHA91-323-NL**	3/4"	5/8" x 3/4" and 3/ 4"	3/4" FIP	1.4	10	**137.19**
Δ	**HHA91-344-NL**	3/4"	1"	1" FIP	1.9	8	**163.04**
Δ	**HHA92-313-NL**	3/4"	5/8"	3/4" Fl. Cop.	1.8	6	**153.72**
Δ	**HHA92-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4" Fl. Cop.	1.8	6	**153.72**
►Δ	**HHA94-313-NL**	3/4"	5/8"	3/4" CTS P.J.	1.7	6	**156.46**
►♦Δ	**HHA94-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4" CTS P.J.	1.7	6	**156.46**
►	**HHA96-313-NL**	3/4"	5/8"	3/4" P.J. for PE Pipe	2.0	-	**181.52**
►	**HHA96-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4" P.J. for PE Pipe	1.9	-	**181.52**

Grip Joint for CTS or PEP can be ordered by inserting "-G" into the catalog number. Example: HHA34-323-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: HHA94-323-Q-NL

Δ Available with drain valve. Insert "D" into the catalog number. Example: HHA91-323D-NL
Add to price . . . . . **$ 24.89**

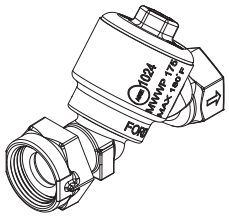
► Ultra-Tite compression is available. Insert "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: HHA94-313-U-AWT-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

STRAIGHT CASCADING DUAL CHECK VALVES (in-line accessible)

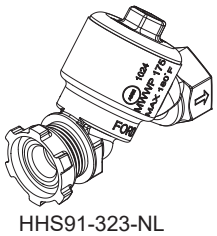
FEMALE IRON PIPE THREAD BY FEMALE IRON PIPE THREAD

Catalog Number	Valve Size	Inlet Size	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HHS11-333-NL	3/4"	3/4" FIP	3/4" FIP	1.5	8	**$ 140.25**


HHS31-323-NL

WITH METER SWIVEL NUT INLET

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size and Type	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HHS31-313-NL	3/4"	5/8"	3/4" FIP	1.6	8	**$ 150.90**
HHS31-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4" FIP	1.7	8	**150.90**
HHS31-324-NL	3/4"	5/8" x 3/4" and 3/4"	1" FIP	2.0	8	**163.36**
HHS31-344-NL	3/4"	1"	1" FIP	2.1	6	**163.99**
HHS38-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4" MIP	1.6	8	**150.90**
HHS30-320-NL	3/4"	5/8" x 3/4" and 3/4"	■ Male Kornerhorn Thread for Pack Joint Assemblies (see catalog section B)	1.7	-	**151.59**

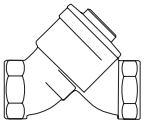

HHS91-323-NL

■ 3/4" Kornerhorn threads fit KH-1, KH-2, KH-3 style

WITH METER YOKE INLET FOR IRON YOKE SETTINGS

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size and Type	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HHS91-313-NL	3/4"	5/8"	3/4" FIP	1.6	8	**$ 148.29**
HHS91-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4" FIP	1.6	8	**148.29**
HHS91-344-NL	3/4"	1"	1" FIP	2.3	5	**165.28**

STRAIGHT DUAL CHECK VALVES (in-line accessible)

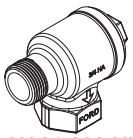

HHS11-777-NL

FEMALE IRON PIPE THREAD BY FEMALE IRON PIPE THREAD

Catalog Number	Valve Size	Inlet Size	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HHS11-777-NL	2"	2" FIP	2" FIP	7.4	1	**$ 565.15**

3/4" Dual check valves are available with enhanced chlorine/chloramine resistant components. Add "CR" to the end of the alpha code. Example: HHACR31-313-NL
Add to price **$19.04**

ANGLE CHECK VALVES (in-line accessible)


HA81-333-NL

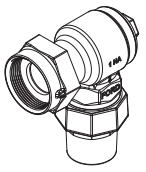
MALE IRON PIPE THREAD INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HA81-333-NL	3/4"	3/4"	3/4"	1.1	12	**$ 71.00**


HA31-323-NL

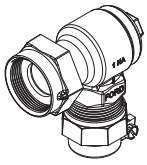
METER SWIVEL NUT INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
Δ **HA31-313-NL**	3/4"	5/8"	3/4"	1.3	12	**$ 82.21**
Δ **HA31-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.4	12	**82.21**
Δ **HA31-444-NL**	1"	1"	1"	1.6	9	**98.65**


HA32-323-NL

METER SWIVEL NUT INLET BY FLARE COPPER OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HA32-313-NL	3/4"	5/8"	3/4"	1.7	-	**$ 98.65**
HA32-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.7	9	**98.65**
HA32-444-NL	1"	1"	1"	2.1	6	**111.59**


HA34-323-NL

METER SWIVEL NUT INLET BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
► **HA34-313-NL**	3/4"	5/8"	3/4"	1.5	8	**$ 101.31**
►♦ **HA34-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.6	8	**101.31**
HA34-324-Q-NL	3/4"	5/8" x 3/4" and 3/4"	1" Q.J./CTS	1.9	6	**106.57**
►♦ **HA34-444-NL**	1"	1"	1"	1.9	6	**108.32**

Grip Joint for CTS can be ordered by inserting "-G" into the catalog number. Example: HA34-323-G-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.


HA91-323-NL

WITH METER YOKE INLET FOR IRON YOKE SETTINGS

Catalog Number	Valve Size	Meter Size	Outlet Size and Type	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
Δ **HA91-313-NL**	3/4"	5/8"	3/4" FIP	1.2	12	**$ 75.59**
Δ **HA91-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4" FIP	1.2	12	**75.59**
Δ **HA91-444-NL**	1"	1"	1" FIP	1.6	8	**90.28**
Δ **HA92-313-NL**	3/4"	5/8"	3/4" Flare Copper	1.6	8	**92.49**
Δ **HA92-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4" Flare Copper	1.6	-	**92.49**
►♦Δ **HA94-313-NL**	3/4"	5/8"	3/4" P.J./CTS	1.5	8	**95.22**
►♦Δ **HA94-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4" P.J./CTS	1.5	8	**95.22**
HA94-324-NL	3/4"	5/8" x 3/4" and 3/4"	1" P.J./CTS	1.5	5	**102.75**
► **HA96-313-NL**	3/4"	5/8"	3/4" P.J./PEP	1.9	-	**102.22**
► **HA96-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4" P.J./PEP	1.9	-	**102.22**

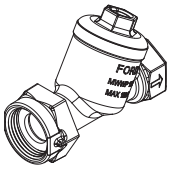
Grip Joint for CTS and 3/4" PEP is available. Insert "-G" into the catalog number. Example: HA94-323-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: HA94-323-Q-NL

Δ Available with drain valve. Insert "D" into the catalog number. Example: HA91-323D-NL
Add to price . . . . . **$ 24.89**

► Ultra-Tite compression is available. Insert "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: HA94-313-U-AWT-NL

STRAIGHT CHECK VALVES (in-line accessible)


HS31-323-NL

METER SWIVEL NUT INLET BY FEMALE IRON PIPE THREAD OUTLET

	Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	HS31-313-NL	3/4"	5/8"	3/4"	1.2	12	**$ 75.59**
Δ	**HS31-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.3	12	**75.59**
Δ	**HS31-444-NL**	1"	1"	1"	1.6	8	**91.84**

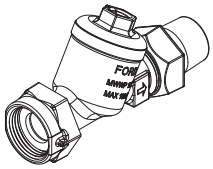
Δ Available with drain valve. Insert "D" into the catalog number. Example: HS31-323D-NL
Add to price . . . . . **$ 24.89**


HS38-323-NL

METER SWIVEL NUT INLET BY MALE IRON PIPE THREAD OUTLET

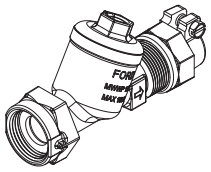
	Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
Δ	**HS38-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.3	10	**$ 84.40**
	HS38-444-NL	1"	1"	1"	1.6	8	**93.96**

Δ Available with drain valve. Insert "D" into the catalog number. Example: HS38-323D-NL
Add to price . . . . . **$ 24.89**


HS32-323-NL

METER SWIVEL NUT INLET BY FLARE COPPER OUTLET

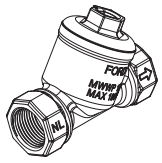
Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HS32-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.6	-	**$ 100.92**


HS34-323-NL

METER SWIVEL NUT INLET BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) OUTLET

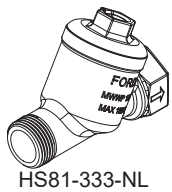
	Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
►	**HS34-323-NL**	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.6	8	**$ 103.56**

Grip Joint for CTS can be ordered by inserting "-G" into the catalog number. Example: HS34-323-G-NL


HS11-333-NL

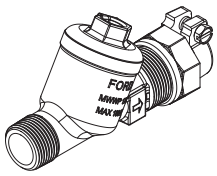
FEMALE IRON PIPE THREAD INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Valve Size	Inlet Size	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HS11-333-NL	3/4"	3/4"	3/4"	1.2	12	**$ 72.45**
HS11-444-NL	1"	1"	1"	1.4	10	**74.90**
HS11-666-NL	1-1/2"	1-1/2"	1-1/2"	4.4	4	**357.71**
HS11-777-NL	2"	2"	2"	5.1	3	**452.13**


HS81-333-NL

MALE IRON PIPE THREAD INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Valve Size	Inlet Size	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HS81-333-NL	3/4"	3/4"	3/4"	1.1	12	**$ 68.21**
HS81-444-NL	1"	1"	1"	1.3	10	**75.59**


HS84-333-NL

MALE IRON PIPE THREAD INLET BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) OUTLET

	Catalog Number	Valve Size	Inlet Size	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
►	**HS84-333-NL**	3/4"	3/4"	3/4"	1.4	-	**$ 110.38**

Grip Joint for CTS can be ordered by inserting "-G" into the catalog number. Example: HS84-333-G-NL

► Ultra-Tite compression is available. Insert "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: HS84-333-U-AWT-NL

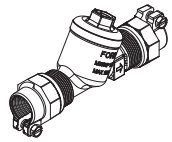
Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

STRAIGHT CHECK VALVES (in-line accessible)


HS88-333-NL

MALE IRON PIPE THREAD BOTH ENDS

Catalog Number	Valve Size	Inlet Size	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HS88-333-NL	3/4"	3/4"	3/4"	1.1	12	**$ 74.90**


HS44-333-NL

PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BOTH ENDS

Catalog Number	Valve Size	Inlet Size	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
► **HS44-333-NL**	3/4"	3/4"	3/4"	1.7	6	**$ 117.61**

Grip Joint for CTS can be ordered by inserting "-G" into the catalog number. Example: HS44-333-G-NL

► Ultra-Tite compression is available. Insert "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: HS84-333-U-AWT-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

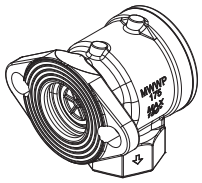

HS91-323-NL

METER YOKE INLET BY FEMALE IRON PIPE THREAD

Catalog Number	Valve Size	Meter Size	Outlet Size and Type	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HS91-313-NL	3/4"	5/8"	3/4" FIP	1.2	12	**$ 68.76**
HS91-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4" FIP	1.2	12	**68.76**
HS91-444-NL	1"	1"	1" FIP	1.7	8	**83.33**

CHECK VALVES WITH FLANGED INLET FOR 1-1/2" AND 2" METERS

ANGLE DUAL CHECK VALVES

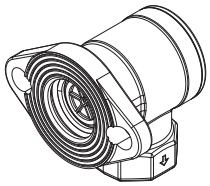


METER FLANGE INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HHFA31-777-NL	2"	1-1/2" and 2"	2"	8.1	-	**$ 655.07**
* **HHFA31-777-TP6-NL**	2"	1-1/2" and 2"	2"	8.9	-	**756.63**

* "-TP6" option includes 1-1/2" integral FIP test port at top of check valve, plug included.

ANGLE SINGLE CHECK VALVES

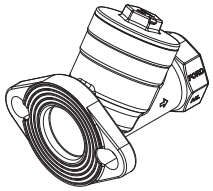


METER FLANGE INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HFA31-666-NL	1-1/2"	1-1/2"	1-1/2"	5.1	4	**$ 414.49**
HFA31-777-NL	2"	1-1/2" and 2"	2"	6.1	3	**550.45**

Note: For meter support brackets on 1-1/2" and 2" check valves (two per valve) insert "-MSB" into catalog number. Example: HFA31-777-MSB-NL. **Add to price**. . . . . **$ 15.81**

STRAIGHT SINGLE CHECK VALVES


HFS31-777-NL

METER FLANGE INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HFS31-666-NL	1-1/2"	1-1/2"	1-1/2"	5.7	4	**$ 414.49**
HFS31-777-NL	2"	2"	2"	7.0	2	**502.63**

Note: For meter support brackets on 1-1/2" and 2" check valves (two per valve) insert "-MSB" into catalog number. Example: HFS31-777-MSB-NL. **Add to price** . . . . . **$ 15.81**

ANGLE COMBINATION COMPRESSION - CHECK METER VALVES


GAH31-323-NL

METER SWIVEL NUT INLET BY FEMALE IRON PIPE THREAD OUTLET

Catalog Number	Valve Size	Inlet Size	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
GAH31-323-NL	3/4"	5/8" x 3/4" and 3/4"	3/4"	1.8	1	**$ 136.95**

CHECK VALVES FOR KORNERHORN APPLICATIONS

STRAIGHT CARTRIDGE STYLE DUAL CHECK VALVE (in-line accessible)


KH-HHCH-1-NL

FEMALE KORNERHORN THREAD INLET BY MALE KORNERHORN THREAD OUTLET

Catalog Number	Valve Size	Inlet Size and Type	Outlet Size and Type	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
* **KH-HHCH-1-NL**	3/4"	■ Female Kornerhorn	■ Male Kornerhorn	1.9	4	**$ 186.40**
* **KH-HHCH-1D-NL**	3/4"	■ Female Kornerhorn	■ Male Kornerhorn	2.0	4	**211.29**

STRAIGHT DUAL CHECK VALVE (in-line accessible)


KHHCV-1-NL

FEMALE KORNERHORN THREAD INLET BY MALE KORNERHORN THREAD OUTLET

Catalog Number	Valve Size	Inlet Size and Type	Outlet Size and Type	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
KHHCV-1-NL	3/4"	■ Female Kornerhorn	■ Male Kornerhorn	1.7	8	**$ 167.49**

STRAIGHT SINGLE CHECK VALVE (in-line accessible)


KHCV-1-NL

FEMALE KORNERHORN THREAD INLET BY MALE KORNERHORN THREAD OUTLET

Catalog Number	Valve Size	Inlet Size and Type	Outlet Size and Type	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
* **KHCV-1-NL**	3/4"	■ Female Kornerhorn	■ Male Kornerhorn	1.2	10	**$ 75.59**

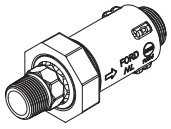
CHECK VALVES FOR SPECIAL APPLICATIONS

STRAIGHT CARTRIDGE STYLE DUAL CHECK VALVE (not in-line accessible)


HHC30-320-NL

METER SWIVEL NUT INLET BY MALE KORNERHORN THREAD OUTLET FOR PACK JOINT ASSEMBLIES

Catalog Number	Valve Size	Meter Size Inlet	Outlet Size and Type	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
* **HHC30-320-NL**	3/4"	5/8" x 3/4" and 3/4"	■ Male Kornerhorn	1.7	6	**$ 159.74**


HHC80-330-NL

MALE IRON PIPE UNION BY MALE KORNERHORN THREAD OUTLET FOR PACK JOINT ASSEMBLIES

Catalog Number	Valve Size	Inlet Size and Type	Outlet Size and Type	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
* **HHC80-330-NL**	3/4"	3/4" MIP	■ Male Kornerhorn	1.5	-	**$ 135.09**

STRAIGHT CHECK VALVE (in-line accessible)


HS00-300-NL

MALE KORNERHORN THREAD INLET BY MALE KORNERHORN THREAD OUTLET

Catalog Number	Valve Size	Inlet Size and Type	Outlet Size and Type	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
* **HS00-300-NL**	3/4"	■ Male Kornerhorn	■ Male Kornerhorn	1.2	-	**$ 71.33**

STRAIGHT DUAL CHECK VALVE (in-line accessible)


HHS00-300-NL

MALE KORNERHORN THREAD INLET BY MALE KORNERHORN THREAD OUTLET

Catalog Number	Valve Size	Inlet Size and Type	Outlet Size and Type	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
* **HHS00-300-NL**	3/4"	■ Male Kornerhorn	■ Male Kornerhorn	1.5	-	**$ 166.83**


HHS11-777-NL

FEMALE IRON PIPE THREAD BY FEMALE IRON PIPE THREAD

Catalog Number	Valve Size	Inlet Size	Outlet Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
HHS11-333-NL	3/4"	3/4" FIP	3/4" FIP	1.5	-	**$ 140.25**
HHS11-777-NL	2"	2" FIP	2" FIP	7.4	1	**565.15**

* For Pack Joint assemblies for PET, PEP, PVC/IPS PE and iron pipe, refer to catalog section B.

■ 3/4" Kornerhorn threads fit KH-1, KH-2, KH-3 style

3/4" Dual check valves are available with enhanced chlorine/chloramine resistant components. Add “CR” to the end of the alpha code. Example: HHCHCR31-323-NL

Add to price for 3/4" cartridge style . . . . . **$ 39.02**

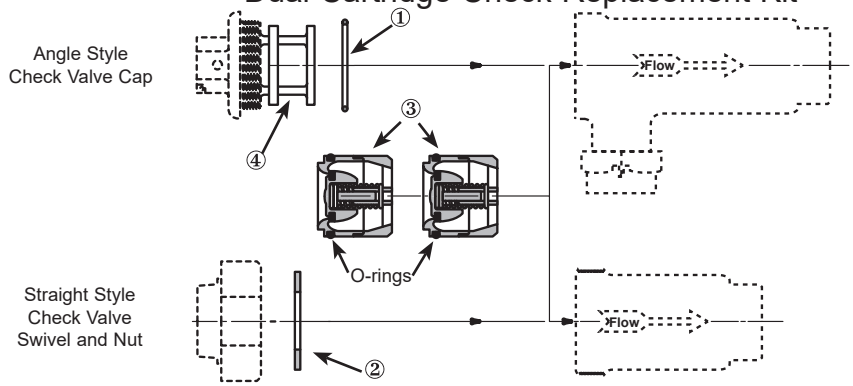
Add to price for 3/4" cascading style . . . . . **$ 19.04**

Check Valve Replacement Kits
Internal Working Parts and Gaskets

Catalog Number	Description	List Price
	FOR SINGLE CHECKS	
■**HRK-3-KH-WS-NL**	3/4" Wallsetter and Old Style Kornerhorn Check Valves Replacement Kit	**$ 25.96**
HRK-3	3/4" and 1" HA and HS and 3/4" Kornerhorn Check Valve Replacement Kit	**15.30**
HRK-6	1-1/2" HS, HFA and HFS Replacement Kit for Check Valves with Brass Internal Assemblies	**42.54**
***HRKP-67**	1-1/2" and 2" HS, HFA and HFS Replacement Kits for Check Valves with Plastic Internal Assemblies	**44.44**
HRK-7	2" HS, HFA and HFS Replacement Kit for Check Valves with Brass Internal Assemblies	**44.44**
	FOR DUAL CHECKS	
HHARK-1	5/8" HHA31-313 Dual Check Valve Replacement Kit	**31.76**
HHACRRK-1	3/4" Chloramine Resistant Cascading Angle Dual Check Replacement Kit for Valves with 5/8" Meter Connection	**$50.80**
HHCRRK-3	3/4" Chloramine Resistant Cascading Straight Dual Check Replacement Kit for Valves with 5/8" Meter Connection	**$50.80**
HHCRRK-3	3/4" Chloramine Resistant Cascading Angle & Straight Dual Check Replacement Kit for Valves with 3/4"-1" Meter Connection	**$50.80**
HHRK-3	3/4" and 3/4" x 1" HHA, HHS and 3/4" Kornerhorn Dual Check Valve Replacement Kit	**31.76**
HHCRK-3	3/4" HHCA, HHC and HHCH Cartridge Style Dual Check Valve Replacement Kit	**49.17**
HHCCRRK-3	3/4" HHCA, HHC and HHCH Chlorine/Chloramine Resistant Cartridge Style Dual Check Valve Replacement Kit	**88.20**
HHCRK-4	1" HHCA, HHC and HHCH Cartridge Style Dual Check Valve Replacement Kit	**91.90**
HHCCRRK-4	1" HHCA, HHC and HHCH Chlorine/Chloramine Resistant Cartridge Style Dual Check Valve Replacement Kit	**141.36**
HHRK-7	2" HHFA and HHS Dual Check Valve Replacement Kit	**139.78**
HHCRK-3-3TV	3/4" HHCA Cartridge Style Dual Check Valve (with 3-port bleeder valve) Replacement Kit	**56.55**
HHCRK-4-3TV	1" HHCA Cartridge Style Dual Check Valve (with 3-port bleeder valve) Replacement Kit	**96.72**
HHACR-3-CAP-NL	"CR" Stamped Cap Only for 3/4" Chloramine Resistant Cascading Angle Dual Check Valve with 5/8"-1" Meter Connections	**$34.46**
HHCACR-3-CAP-NL	"CR" Stamped Cap Only for 3/4" Chloramine Resistant Cartridge Angle Dual Check Valve with 5/8"-1" Meter Connections	**$26.85**
HHCACR-4-CAP-NL	"CR" Stamped Cap Only for 1" Chloramine Resistant Cartridge Angle Dual Check Valve with 1" Meter Connections	**$48.25**

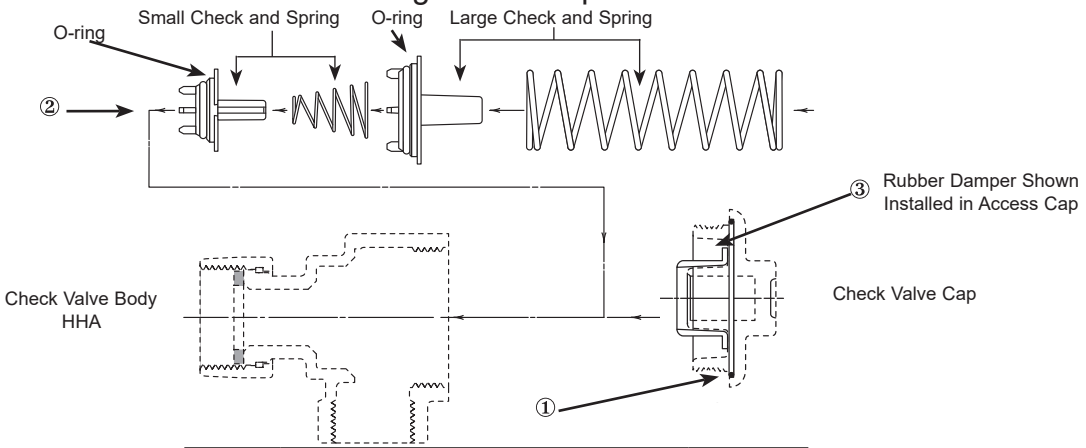
Ford Check Valves have the type of valve imprinted on the valve body. Example: “HA”, “HS”, “HFA”, “HFS”, “HHA”, “HHS”, “HHC”, “HHCA”
*For valves manufactured after May 2018.
■ This kit contains a conical spring specific for these valves.

Dual Cartridge Check Replacement Kit



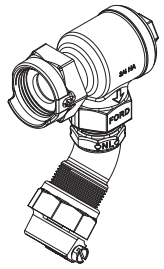
Item	Description	Quantity
1	HHCA Access Cap O-ring (angle style)	1
2	HHC Flat Gasket (straight style)	1
3	Check Valve Assembly	2
4	HHCA Plastic Cartridge Spacer	1

Dual Cascading Check Replacement Kit



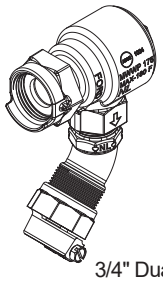
Item	Description	Quantity
1	Access Cap O-ring	1
2	Check Valve Assembly (4 separate items)	1
3	Rubber Damper	1

CUT-IN CHECK VALVE ASSEMBLIES FOR FORD COPPERSETTERS AND RESETTERS
(with "HA" style check valves)



Catalog Number	Meter Size	Setter Height	List Price
HL34-313-77-813-NL	5/8"	7"	**$ 130.84**
HL34-313-45-813-NL	5/8"	9" and All 90 Series	**130.84**
HL34-313-32-813-NL	5/8"	12" and Higher	**130.84**
HL34-323-77-813-NL	5/8" x 3/4"	7"	**130.84**
HL34-323-45-813-NL	5/8" x 3/4"	9" and All 90 Series	**130.84**
HL34-323-32-813-NL	5/8" x 3/4"	12" and Higher	**130.84**
HL34-444-68-NL	1"	90 Series Only	**182.88**

CUT-IN DUAL CHECK VALVE ASSEMBLIES FOR FORD COPPERSETTERS AND RESETTERS
(with "HHA" style dual check valves)



Catalog Number	Meter Size	Setter Height	List Price
HHL34-313-77-813-NL	5/8"	7"	**$ 199.55**
HHL34-313-45-813-NL	5/8"	9" and All 90 Series	**199.55**
HHL34-313-32-813-NL	5/8"	12" and Higher	**199.55**
HHL34-323-77-813-NL	5/8" x 3/4"	7"	**199.55**
HHL34-323-45-813-NL	5/8" x 3/4"	9" and All 90 Series	**199.55**
HHL34-323-32-813-NL	5/8" x 3/4"	12" and Higher	**199.55**
HHL34-344-68-NL	1"	90 Series Only	**248.65**

3/4" Dual check valves are available with enhanced chlorine/chloramine resistant components. Add "CR" to the end of the alpha code. Example: HHLCR34-313-77-813-NL

Add to price . . . . . **$ 19.04**

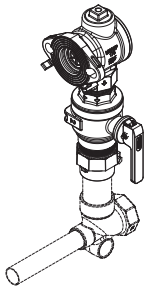
ORDERING INFORMATION FOR CUT-IN CHECK VALVE ASSEMBLIES

To ensure proper fit, specify the size, style and height of the setter you want to retrofit.

For example, the 77-degree ell **(HL34-313-77-813-NL)** is supplied for all 7" high setters (except 90 series). The 45-degree ell **(HL34-313-45-813-NL)** fits all 9" high setters **except** in the 90 series, where it fits **all** heights. The 32-degree ell **(HL34-323-32-813-NL)** is for all setters 12" or higher (except 90 series).

Note: Retrofitting assemblies are available for single check valves and cascading dual check valves only. Cartridge dual checks are not available as a cut-in assembly.

Cut-in dual check valve assemblies with test port (and plug) and shut-off valve with handle for 1-1/2" and 2" coppersetters.



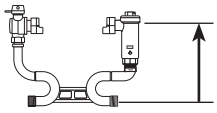
Catalog Number	Coppersetter Size	Min. Setter Height	List Price
HHB34-776-HB-67S-NL	1-1/2"	15"	**$ 1400.92**
HHB34-777-HB-67S-NL	2"	16"	**1520.89**

These cut-in assemblies are for coppersetters with standard, low by-pass or coppersetters with no by-pass.

RETROSETTERS
LESS VALVE ON INLET

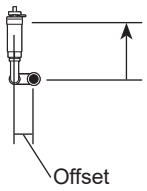
APPROXIMATE HEIGHT THE METER WILL BE RAISED FOR STYLE "B" RETROSETTER

Outlet Valve Type	Meter Size	Meter Raised this Amount
Single and Cascading Style	5/8", 5/8" x 3/4" and 3/4"	6"
Single and Cascading Style	1"	8-3/8"
Cartridge Style	5/8", 5/8" x 3/4" and 3/4"	7-1/4"
Cartridge Style	1"	8-3/8"
Cartridge Style	1" w / 3/4"x1" Check	8-1/8"

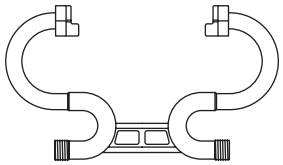


APPROXIMATE HEIGHT THE METER WILL BE RAISED FOR STYLE "C" RETROSETTER

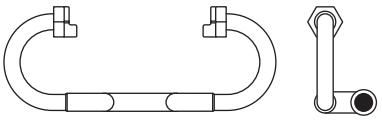
Outlet Valve Type	Meter Size	MeterRaisedthisAmount	Offset
Single and Cascading Style	5/8", 5/8" x 3/4" and 3/4"	3-1/2"	2-1/2"
Single and Cascading Style	1"	5"	3-3/8"
Cartridge Style	5/8", 5/8" x 3/4" and 3/4"	4-3/4"	2-1/2"
Cartridge Style	1"	5"	3-3/8"
Cartridge Style	1" w/ 3/4"x1" Check	4-7/8"	3-5/8"



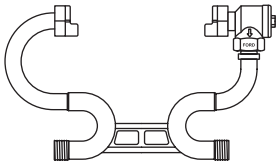
RETROSETTERS WITHOUT VALVES


STYLE "B"

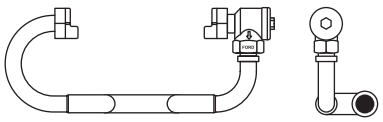
Catalog Number	Meter Size	Style	Approx. Wt. Lbs.	List Price
RETRO-1B-NL	5/8"	B	3.1	**$ 158.58**
RETRO-1C-NL	5/8"	C	3.1	**158.58**
RETRO-2B-NL	5/8" x 3/4"	B	3.3	**158.58**
RETRO-2C-NL	5/8" x 3/4"	C	3.3	**158.58**
RETRO-4B-NL	1"	B	6.0	**362.38**
RETRO-4C-NL	1"	C	6.0	**362.38**


STYLE "C"

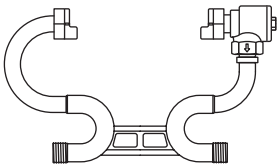
RETROSETTERS WITH ANGLE SINGLE CHECK VALVE ON OUTLET


STYLE "B"

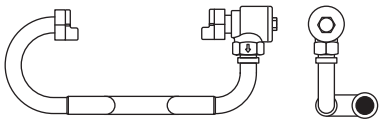
Catalog Number	Meter Size	Style	Approx. Wt. Lbs.	List Price
RETRO-1BH-NL	5/8"	B	4.0	**$ 240.75**
RETRO-1CH-NL	5/8"	C	4.0	**240.75**
RETRO-2BH-NL	5/8" x 3/4"	B	4.0	**240.75**
RETRO-2CH-NL	5/8" x 3/4"	C	4.3	**240.75**
RETRO-4BH-NL	1"	B	7.0	**461.02**
RETRO-4CH-NL	1"	C	7.0	**461.02**


STYLE "C"

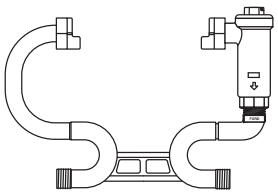
RETROSETTERS WITH ANGLE CASCADING DUAL CHECK VALVE ON OUTLET


STYLE "B"

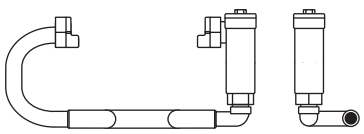
Catalog Number	Meter Size	Style	Approx. Wt. Lbs.	List Price
RETRO-1BHH-NL	5/8"	B	4.1	**$ 309.45**
RETRO-1CHH-NL	5/8"	C	4.1	**309.45**
RETRO-2BHH-NL	5/8" x 3/4"	B	4.4	**309.45**
RETRO-2CHH-NL	5/8" x 3/4"	C	4.4	**309.45**
** **RETRO-3BHH-NL**	3/4"	B	4.6	**353.71**
** **RETRO-3CHH-NL**	3/4"	C	4.6	**353.71**
* **RETRO-4B3HH-NL**	1"	B	7.2	**519.22**
* **RETRO-4C3HH-NL**	1"	C	7.2	**519.22**


STYLE "C"

RETROSETTERS WITH ANGLE CARTRIDGE DUAL CHECK VALVE ON OUTLET


STYLE "B"

Catalog Number	Meter Size	Style	Approx. Wt. Lbs.	List Price
RETRO-1BHC-NL	5/8"	B	4.5	**$ 337.34**
RETRO-1CHC-NL	5/8"	C	4.5	**337.34**
RETRO-2BHC-NL	5/8" x 3/4"	B	4.8	**337.34**
RETRO-2CHC-NL	5/8" x 3/4"	C	4.8	**337.34**
** **RETRO-3BHC-NL**	3/4"	B	5.0	**364.88**
** **RETRO-3CHC-NL**	3/4"	C	5.0	**364.88**
* **RETRO-4B3HC-NL**	1"	B	7.3	**672.40**
* **RETRO-4C3HC-NL**	1"	C	8.7	**672.40**
RETRO-4BHC-NL	1"	B	8.3	**771.72**
RETRO-4CHC-NL	1"	C	8.3	**771.72**


STYLE "C"

* This retrosetter is 1" throughout **except** the valve has 3/4" internal parts.

** Manufactured with 13/16" O.D. tubing.

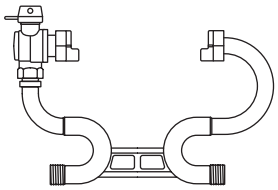
Dual check valves are available with enhanced chlorine/chloramine resistant components. Add "CR" to the end of the alpha code. Example: RETRO-1BHCCR-NL.

Add to price for 3/4" cartridge style . . . . . **$ 39.02**
Add to price for 1" cartridge style . . . . . **$ 49.47**
Add to price for cascading style . . . . . **$ 19.04**

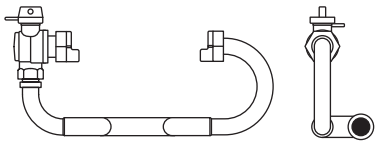
RETROSETTERS

WITH ANGLE BALL VALVE ON INLET

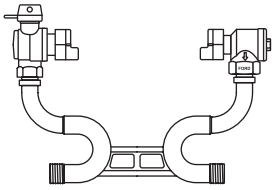
RETROSETTERS WITH ANGLE BALL VALVE ON INLET


STYLE "B"

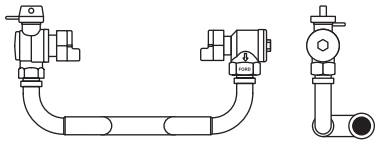
Catalog Number	Meter Size	Style	Approx. Wt. Lbs.	List Price
RETRO-1BVB-NL	5/8"	B	4.0	**$ 249.04**
RETRO-1CVB-NL	5/8"	C	4.0	**249.04**
RETRO-2BVB-NL	5/8" x 3/4"	B	4.3	**249.04**
RETRO-2CVB-NL	5/8" x 3/4"	C	4.3	**249.04**
RETRO-4BVB-NL	1"	B	7.5	**611.69**
RETRO-4CVB-NL	1"	C	7.5	**611.69**


STYLE "C"

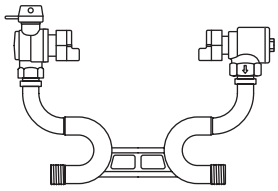
RETROSETTERS WITH ANGLE BALL VALVE ON INLET AND ANGLE SINGLE CHECK VALVE ON OUTLET


STYLE "B"

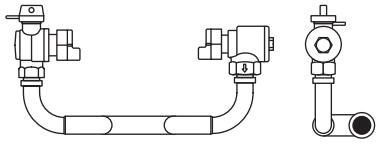
Catalog Number	Meter Size	Style	Approx. Wt. Lbs.	List Price
RETRO-1BVBH-NL	5/8"	B	5.0	**$ 331.21**
RETRO-1CVBH-NL	5/8"	C	5.0	**331.21**
RETRO-2BVBH-NL	5/8" x 3/4"	B	5.2	**331.21**
RETRO-2CVBH-NL	5/8" x 3/4"	C	5.2	**331.21**
RETRO-4BVBH-NL	1"	B	8.6	**710.33**
RETRO-4CVBH-NL	1"	C	8.6	**710.33**


STYLE "C"

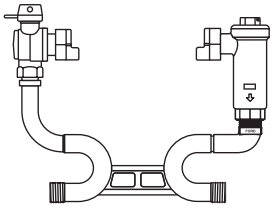
RETROSETTERS WITH ANGLE BALL VALVE ON INLET AND ANGLE CASCADING DUAL CHECK VALVE ON OUTLET


STYLE "B"

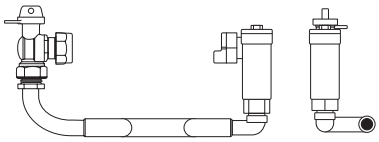
Catalog Number	Meter Size	Style	Approx. Wt. Lbs.	List Price
RETRO-1BVBHH-NL	5/8"	B	5.1	**$ 399.86**
RETRO-1CVBHH-NL	5/8"	C	5.1	**399.86**
RETRO-2BVBHH-NL	5/8" x 3/4"	B	5.4	**399.86**
RETRO-2CVBHH-NL	5/8" x 3/4"	C	5.4	**399.86**
** **RETRO-3BVBHH-NL**	3/4"	B	5.4	**427.41**
** **RETRO-3CVBHH-NL**	3/4"	C	5.5	**427.41**
* **RETRO-4BVB3HH-NL**	1"	B	8.7	**768.47**
* **RETRO-4CVB3HH-NL**	1"	C	8.7	**768.47**


STYLE "C"

RETROSETTERS WITH ANGLE BALL VALVE ON INLET AND ANGLE CARTRIDGE DUAL CHECK VALVE ON OUTLET


STYLE "B"

Catalog Number	Meter Size	Style	Approx. Wt. Lbs.	List Price
RETRO-1BVBHC-NL	5/8"	B	5.6	**$ 427.79**
RETRO-1CVBHC-NL	5/8"	C	5.6	**427.79**
RETRO-2BVBHC-NL	5/8" x 3/4"	B	5.9	**427.79**
RETRO-2CVBHC-NL	5/8" x 3/4"	C	5.9	**427.79**
** **RETRO-3BVBHC-NL**	3/4"	B	6.0	**455.33**
** **RETRO-3CVBHC-NL**	3/4"	C	6.0	**455.33**
* **RETRO-4BVB3HC-NL**	1"	B	8.9	**921.69**
* **RETRO-4CVB3HC-NL**	1"	C	8.9	**921.69**
RETRO-4BVBHC-NL	1"	B	9.8	**1088.33**
RETRO-4CVBHC-NL	1"	C	9.8	**1088.33**


STYLE "C"

* This retrosetter is 1" throughout **except** the valve has 3/4" internal parts.

** Manufactured with 13/16" O.D. tubing.

Dual check valves are available with enhanced chlorine/chloramine resistant components. Add "CR" to the end of the alpha code. Example: HHCHCR-31-323-NL.

Add to price for 3/4" cartridge style . . . . . **$ 39.02**

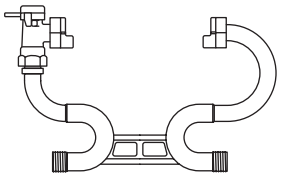
Add to price for 1" cartridge style . . . . . **$ 49.47**

Add to price for cascading style. . . . . **$ 19.04**

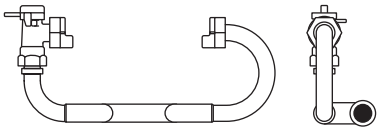
Ford Retrosetters are furnished with four rubber gaskets, one for each meter nut and two for the bottom bar.

RETROSETTERS
WITH ANGLE KEY VALVE ON INLET

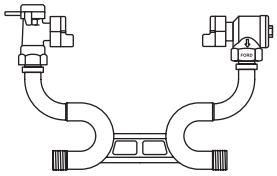
RETROSETTERS WITH ANGLE KEY VALVE ON INLET


STYLE "B"

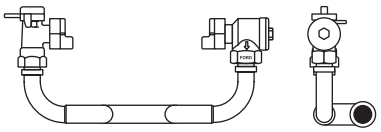
Catalog Number	Meter Size	Style	Approx. Wt. Lbs.	List Price
RETRO-1BV-NL	5/8"	B	3.8	**$ 233.12**
RETRO-1CV-NL	5/8"	C	4.0	**233.12**
RETRO-2BV-NL	5/8" x 3/4"	B	4.2	**233.12**
RETRO-2CV-NL	5/8" x 3/4"	C	4.2	**233.12**
RETRO-4BV-NL	1"	B	7.3	**476.46**
RETRO-4CV-NL	1"	C	7.3	**476.46**


STYLE "C"

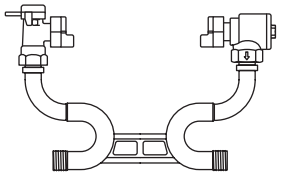
RETROSETTERS WITH ANGLE KEY VALVE ON INLET AND ANGLE SINGLE CHECK VALVE ON OUTLET


STYLE "B"

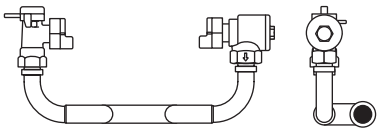
Catalog Number	Meter Size	Style	Approx. Wt. Lbs.	List Price
RETRO-1BVH-NL	5/8"	B	4.7	**$ 315.27**
RETRO-1CVH-NL	5/8"	C	4.9	**315.27**
RETRO-2BVH-NL	5/8" x 3/4"	B	5.2	**315.27**
RETRO-2CVH-NL	5/8" x 3/4"	C	5.2	**315.27**
RETRO-4BVH-NL	1"	B	8.3	**575.08**
RETRO-4CVH-NL	1"	C	8.3	**575.08**


STYLE "C"

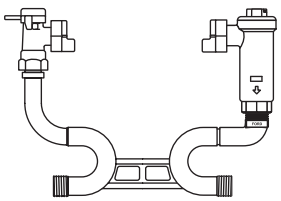
RETROSETTERS WITH ANGLE KEY VALVE ON INLET AND ANGLE CASCADING DUAL CHECK VALVE ON OUTLET


STYLE "B"

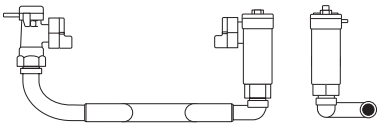
Catalog Number	Meter Size	Style	Approx. Wt. Lbs.	List Price
RETRO-1BVHH-NL	5/8"	B	5.0	**$ 383.93**
RETRO-1CVHH-NL	5/8"	C	5.0	**383.93**
RETRO-2BVHH-NL	5/8" x 3/4"	B	5.3	**383.93**
RETRO-2CVHH-NL	5/8" x 3/4"	C	5.3	**383.93**
RETRO-3BVHH-NL	3/4"	B	5.5	**411.43**
RETRO-3CVHH-NL	3/4"	C	5.5	**411.43**
* **RETRO-4BV3HH-NL**	1"	B	8.5	**633.39**
* **RETRO-4CV3HH-NL**	1"	C	8.5	**633.39**


STYLE "C"

RETROSETTERS WITH ANGLE KEY VALVE ON INLET AND ANGLE CARTRIDGE DUAL CHECK VALVE ON OUTLET


STYLE "B"

Catalog Number	Meter Size	Style	Approx. Wt. Lbs.	List Price
RETRO-1BVHC-NL	5/8"	B	5.5	**$ 411.93**
RETRO-1CVHC-NL	5/8"	C	5.5	**411.93**
RETRO-2BVHC-NL	5/8" x 3/4"	B	5.8	**411.93**
RETRO-2CVHC-NL	5/8" x 3/4"	C	5.8	**411.93**
* **RETRO-4BV3HC-NL**	1"	B	9.9	**786.53**
* **RETRO-4CV3HC-NL**	1"	C	9.9	**786.53**
RETRO-4BVHC-NL	1"	B	9.6	**920.60**
▲ **RETRO-4CVHC-NL**	1"	C	9.6	**920.60**


STYLE "C"

* **NOTE:** This retrosetter is 1" throughout **except** check valve has 3/4" internal parts.

Dual check valves are available with enhanced chlorine/chloramine resistant components. Add "CR" to the end of the alpha code. Example: HHCHCR31-323-NL.

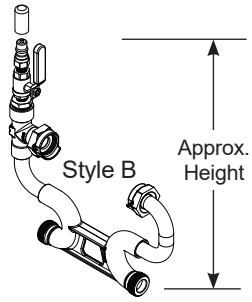
Add to price for 3/4" cartridge style . . . . . **$ 39.02**
Add to price for 1" cartridge style . . . . . **$ 49.47**
Add to price for cascading style. . . . . **$ 19.04**

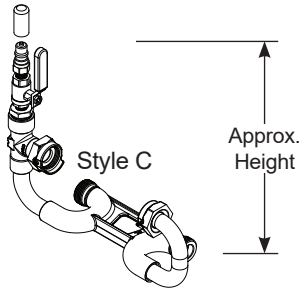
Ford Retrosetters are furnished with four rubber gaskets, one for each meter nut and two for the bottom bar.

RETROSETTER SAMPLING STATION

QUICK DISCONNECT ON INLET METER NUT ON OUTLET

Catalog Number	Meter Size	Style	Approx. Ht.	List Price
RETRO-SS-1B-95190-051-NL	5/8"	B	12"	$ 867.37
RETRO-SS-1C-95356-015-NL	5/8"	C	9-7/16"	759.92
RETRO-SS-2B-95356-016-NL	5/8" x 3/4"	B	12"	821.96
RETRO-SS-2C-95190-044-NL	5/8" x 3/4"	C	9-7/16"	821.96
◆	3/4"	B	-	-
RETRO-SS-3C-95190-049-NL	3/4"	C	12"	852.07
RETRO-SS-4B-95190-047-NL	1"	B	14-7/8"	1087.64
RETRO-SS-4C-95190-046-NL	1"	C	11-1/2"	1087.64

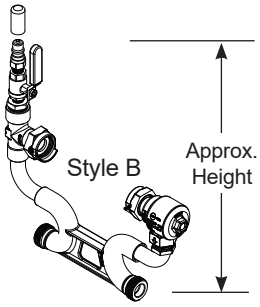


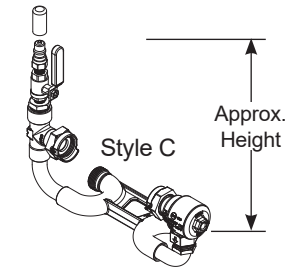


QUICK DISCONNECT ON INLET ANGLE CASCADING DUAL CHECK VALVE ON OUTLET

Catalog Number	Meter Size	Style	Approx. Ht.	List Price
RETRO-SS-1BHH-95190-052NL	5/8"	B	12"	$ 1032.39
RETRO-SS-1C-95190-060-NL	5/8"	C	9-1/2"	1032.39
RETRO-SS-2B-95190-045-NL	5/8" x 3/4"	B	12"	986.96
RETRO-SS-2C-95190-031-NL	5/8" x 3/4"	C	9-1/2"	986.96
◆	3/4"	B	-	-
◆	3/4"	C	-	-
◆	1"	B	-	-
*RETRO-SS-4C-95190-038-NL	1"	C	11-1/2"	1259.20

* 1" angle cascading dual check valve contains 3/4" internal components.





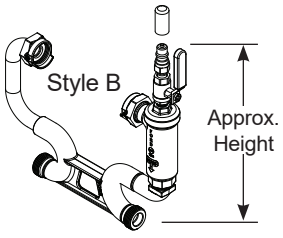
METER NUT ON INLET ANGLE CARTRIDGE DUAL CHECK VALVE ON OUTLET WITH QUICK DISCONNECT

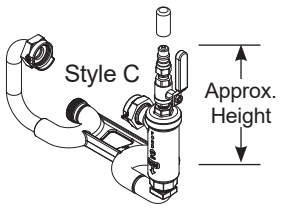
Catalog Number	Meter Size	Style	Approx. Ht.	List Price
RETRO-SS-1BHC-NL	5/8"	B	12-1/2"	$ 766.69
RETRO-SS-1CHC-NL	5/8"	C	10-1/16"	766.69
RETRO-SS-2BHC-NL	5/8" x 3/4"	B	12-1/2"	766.69
RETRO-SS-2CHC-NL	5/8" x 3/4"	C	10-1/16"	766.69
RETRO-SS-3BHC-NL	3/4"	B	12-1/2"	796.81
RETRO-SS-3CHC-NL	3/4"	C	10-1/16"	796.81
RETRO-SS-4BHC-NL	1"	B	14"	1257.97
RETRO-SS-4CHC-NL	1"	C	10-5/8"	1257.97

◆ CONTACT FACTORY FOR PART NUMBER.

Note: Brass extension pipe sold separately. Dual check valves are available with enhanced chlorine/chloramine resistant components. Add "CR" to the end of the alpha code. Example: HHCHCR31-323-NL

Add to price for 3/4" cartridge style . . . . . **$ 39.02**
Add to price for 1" cartridge style . . . . . **$ 49.47**
Add to price for cascading style . . . . . **$ 19.04**



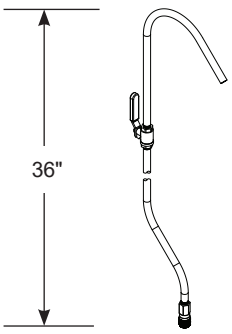


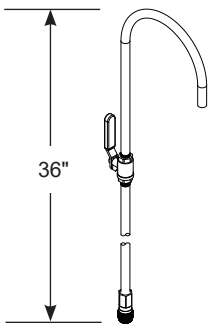
36" BRASS EXTENSION PIPES (SOLD SEPARATELY):

Catalog number	List Price
**SS-PIPE-95356-014-NL	$ 650.67

Catalog number	List Price
**SS-PIPE-95356-005-NL	$ 496.85

**Made from stainless steel and no-lead brass.

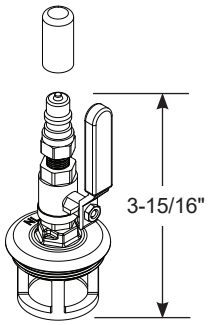




QUICK DISCONNECT CAP ONLY FOR HHCA STYLE DUAL CHECK VALVE

Catalog number	Size	List Price
† SS-CAP-3-NL	3/4"	$ 410.58
† SS-CAP-4-NL	1"	427.06

† No-lead brass cap with stainless steel valve and quick disconnect



HOW TO ORDER RETROSETTER "Z"

STYLE
B = Meter directly above the centerline of the service
C = Meter is offset 90 degrees from the service line
D = Meter is offset 72 degrees from the service line
E = Meter is offset 60 degrees from the service line

TYPE FOR RETROSETTER
Z = Short bottom bar with optional dual check valve or adapter

OUTLET VALVE
B = Angle Ball Valve (padlock wing standard)
V = Angle Key Valve (padlock wing standard)
H = Angle Single Check Valve
HH = Angle Cascading Dual Check Valve
HHACR = Angle Cascading Dual Check Valve with Chlorine/Chloramine Resistant Components
HC = Angle Cartridge Style Dual Check Valve
HCCR = Angle Cartridge Style Dual Check Valve with Chlorine/Chloramine Resistant Cartridge
Note: Leave blank if outlet valve is not required.

NO-LEAD

SERVICE LINE CONNECTION
A = MM-33 (3/4" male meter threads)

BOTTOM BAR OPTIONS
A = No Tap
B = 1/2" Inlet Tap - No Plug
C = 1/2" Inlet Tap - With Plug
D = 1/2" Outlet Tap - No Plug
E = 1/2" Outlet Tap - With Plug

RETRO-Z-2CBB-3-A-HCO-AFP-NL

METER SIZE
2 = 5/8" x 3/4"

INLET VALVE
B = Ball Valve (padlock wing standard)
V = Key Valve (padlock wing standard)
Note: Leave blank if inlet valve is not required.

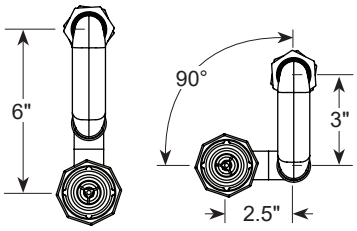
MINIMUM HEIGHT
3 = Approx. 3" high (style C, D and E only) (setter with HHCA angle dual check valve on outlet riser will be higher than 3")
6 = Approx. 6" high (style B only)

OUTLET BOTTOM BAR OPTIONS
HCO = HHC Check Valve Outlet
HCCRO = HHCCR Outlet
AO = Adapter Outlet
Note: Leave blank if option not required.

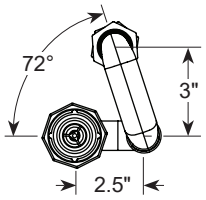
FULL PORT (optional)

Z-STYLE RETROSETTERS

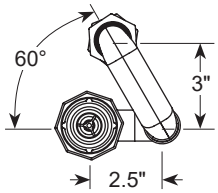
5/8" x 3/4" Meter Size	Retro-Z-2	List Price
STYLE		
B-Style (Directly Above)	**B**	**$ 188.07**
C-Style (90-Degree Offset)	**C**	**188.07**
D-Style (72-Degree Offset)	**D**	**188.07**
E-Style (60-Degree Offset)	**E**	**188.07**
INLET VALVE		
None		
Ball Valve	**B**	**104.76**
Key Valve	**V**	**88.74**
OUTLET VALVE		
None		
Ball Valve	**B**	**104.76**
Key Valve	**V**	**88.74**
Single Check Valve	**H**	**96.47**
Cascading Dual Check Valve	**HH**	**165.19**
Chlorine/Chloramine Resistant Cascading Dual Check Valve	**HHACR**	**184.23**
Cartridge Dual Check Valve	**HC**	**179.76**
Chlorine/Chloramine Resistant Cartridge Dual Check Valve	**HCCR**	**218.78**
HEIGHT		
3"	**3**	-
6"	**6**	-
END CONNECTION		
MM-33	**A**	-
OUTLET BOTTOM BAR OPTIONS		
Cartridge Dual Check Outlet	**HCO**	**171.50**
Chlorine/Chloramine Resistant Cartridge Dual Check Valve	**HCCRO**	**210.52**
Adapter Outlet	**AO**	**83.35**
BOTTOM BAR OPTIONS		
No Tap	**A**	-
Inlet Tap	**B**	**7.07**
Inlet Tap with Plug	**C**	**34.48**
Outlet Tap	**D**	**7.07**
Outlet Tap with Plug	**E**	**34.48**



STYLE "B" STYLE "C"



STYLE "D"



*STYLE "E"

* Fits inside Ford Yokebox or equal if ordered without inlet and outlet valves.

COUPLINGS FOR PIPE AND TUBING
SECTION J

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 (SIDR7) PE Pipe
7 = Pack Joint for PVC/IPS PE Pipe
8 = Male Iron Pipe Thread
0 = Female Copper Tube Nut Thread or "Special"

G = Grip Joint (3/4" - 2" CTS and 3/4" and 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 (contact factory for pricing)
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 (SIDR7) 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 and 3/4" and 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 Pipe 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 (SIDR7) PE Pipe
8 = Male Iron Pipe Thread
S = Solder

SIZES
(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"

NO-LEAD

Q 3 Q 3 - 4 4 - NL

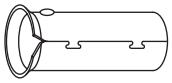
Lead Pipe on Both Ends

Note: See product listings in catalog to ensure desired sizes and options are available.
Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

INSERT STIFFENERS

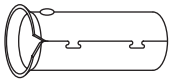
Before using insert stiffeners, be sure inside tubing or pipe dimensions correspond to the table below.
Ford recommends using insert stiffeners with plastic pipe or tubing.

50 SERIES FOR POLYETHYLENE TUBING

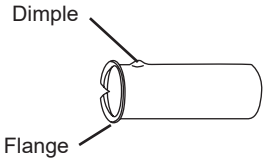


Catalog Number	Nominal Size	PET Ave ID	Approx. Wt. Lbs.	Std *Pkg. Qty.	List Price
INSERT-51	3/4"	0.669	4.8	200	**$ 3.41**
INSERT-52	1"	0.860	4.2	100	**3.61**
** **INSERT-53-72**	1-1/4"	1.051	2.9	50	**4.44**
♦*** **INSERT-53-72-Q**	1-1/4"	1.051	2.9	50	**4.44**
INSERT-54	1-1/2"	1.241	3.1	25	**4.97**
♦ **INSERT-54-Q**	1-1/2"	1.625	2.6	30	**4.97**
INSERT-55	2"	1.241	6.0	40	**4.97**
♦ **INSERT-55-Q**	2"	1.125	5.8	50	**4.97**

70 SERIES FOR POLYETHYLENE PIPE



Catalog Number	Nominal Size	PEP Ave ID	Approx. Wt. Lbs.	Std *Pkg. Qty.	List Price
INSERT-71	3/4"	0.824	4.4	100	**$ 3.84**
** **INSERT-53-72**	1"	1.049	2.9	50	**4.44**
♦*** **INSERT-53-72-Q**	1"	1.049	2.9	50	**4.44**
INSERT-73	1-1/4"	1.380	5.8	75	**6.59**
INSERT-74	1-1/2"	1.610	5.5	45	**7.25**
INSERT-75	2"	2.067	9.7	50	**7.94**



Insert stiffeners are solid 304 tubular stainless steel, dimpled and flanged to retain placement within the service line.

INSERTS FOR OD CONTROLLED DR11 HIGH DENSITY POLYETHYLENE (HDPE) PIPE WITH PVC/IPS PE O.D.

Catalog Number	Nominal Size and Pipe Type	DR	HDPE O.D.	Average I.D.	List Price
INSERT-51	1/2" IPS	11	0.840	0.679	**$ 3.41**
INSERT-52	3/4" IPS	11	1.050	0.849	**3.61**
** **INSERT-53-72**	1" IPS	11	1.315	1.061	**4.44**
INSERT-73-DR11	1-1/4" IPS	11	1.660	1.340	**7.25**
INSERT-74-DR11	1-1/2" IPS	11	1.900	1.533	**7.77**
INSERT-75-DR11	2" IPS	11	2.375	1.917	**8.79**

INSERTS FOR OD CONTROLLED DR9 HIGH DENSITY POLYETHYLENE (HDPE) PIPE WITH IPS O.D.

Catalog Number	Nominal Size and Pipe Type	DR	HDPE OD	Average ID	Std. Pkg. Qty.	List Price
INSERT-71	3/4" IPS	9	1.050	0.802	100	**$ 3.84**
INSERT-72-DR9	1" IPS	9	1.315	1.005	200	**4.26**

* Weights for insert stiffeners are for standard package quantities.

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

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

♦ These inserts are specifically designed and required for Quick Joint fittings. These inserts **are not** suitable for any other application. Additionally, standard inserts are not compatible with Quick Joint fittings of this type and size.

PACK JOINT CODING

(Type of service line coded on Ford Pack Joint Nut)

CTS	-	copper, polyethylene (PET) tubing
PEP	-	polyethylene (PEP) pipe
PVC	-	polyvinyl chloride (PVC) pipe (Schedule 40 and 80)/IPS PE (DR9 and DR11)
S	-	Strong lead pipe
XS	-	Extra strong lead pipe
XXS	-	Double extra strong lead pipe

DIMENSION COMPARISON TABLE FOR PLASTIC, COPPER AND GALVANIZED IRON

Pipe and Tubing Type		PSI	SDR	Control	O.D.						Average I.D.					
					1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Copper	–	–	–	OD	0.625	0.875	1.125	1.375	1.625	2.125	–	–	–	–	–	–
PET	PE3408	200	SDR9	OD	0.625	0.875	1.125	1.375	1.625	2.125	0.479	0.669	0.860	1.051	1.241	1.625
	PE4710	250														
PEP	PE3408	200	SIDR7	ID	0.800	1.060	1.349	1.774	2.070	2.657	0.622	0.824	1.049	1.380	1.610	2.067
	PE4710	250														
IPS PE	PE4710	250	SDR9	OD	0.840	1.050	1.315	1.660	1.900	2.375	0.643	0.802	1.005	1.270	1.453	1.815
SDR11	PE4710	200	SDR11	OD	0.840	1.050	1.315	1.660	1.900	2.375	0.679	0.849	1.061	1.340	1.533	1.917
PVC (SCH40)	–	–	–	OD	0.840	1.050	1.315	1.660	1.900	2.375	–	–	–	–	–	–
Galv IP	–	–	–	OD	0.840	1.050	1.315	1.660	1.900	2.375	–	–	–	–	–	–

Ford Pack Joints for PVC are recommended for use only with Schedule 40 and Schedule 80 PVC / IPS PE (DR9 AND DR11).

COPPER ROUNDING TOOLS

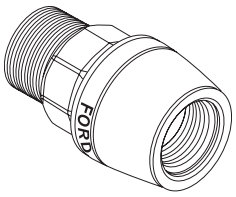


Catalog Number	Tube Size	Approx. Wt. Lbs.	List Price
CRT-3	3/4"	0.7	**$ 110.30**
CRT-4	1"	1.4	**120.47**
CRT-5	1-1/4"	2.3	**160.59**
CRT-6	1-1/2"	3.8	**170.82**
CRT-7	2"	8.0	**200.92**

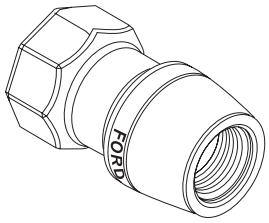
NOTE: Ford copper rounding tools are designed for use on Type K copper only.

ULTRA-TITE COMPRESSION FITTINGS FOR POLYETHYLENE PIPE (PEP/IPS) OR POLYETHYLENE TUBING (PET/CTS)

Ford's Ultra-Tite compression fitting provides an immediate lock onto polyethylene pipe (PEP/IPS) per ASTM-2239 - SIDR-7 or polyethylene tubing (PET/CTS) per ASTM D-2737 - SDR-9 when inserted to the internal stop.



PET/CTS Ultra-Tite
(contains red gripper ring)



PEP/IPS Ultra-Tite
(contains white gripper ring)

CHAMFER TOOL AND PARTS

Beveling the end of the pipe or tubing with the special chamfering tool permits proper engagement of the pipe or tubing into the socket.



Chamfer Tool with Flow-Thru Port

CHAMFER TOOL WITH FLOW-THRU PORT FOR LIVE INSTALLATIONS

Catalog Number	Port Opening	Size	O.D. Range	Approx. Wt. Lbs.	List Price
PECTS-3-CTS	0.400" x 0.810"	3/4" PET/CTS	0.871 - 0.879	0.2	**$ 113.50**
PECTS-4-CTS	0.580" x 1.060"	1" PET/CTS	1.120 - 1.130	0.2	**117.53**
PECTS-3-IPS	0.580" x 1.020"	3/4" PEP/IPS	1.045 - 1.110	0.2	**122.56**
PECTS-4-IPS	0.680" x 1.320"	1" PEP/IPS	1.329 - 1.399	0.2	**123.56**

Replacement Blade for 3/4" and 1" Chamfer Tool	
PECT-BLADE-230910	**$ 46.18**



Gripper Ring Removal Tool

GRIPPER RING REMOVAL TOOL

Removing the Ultra-Tite from the pipe or tubing requires a removal tool between the gripper and the pipe or tubing, to allow release of the compression.

Removal Tool Part Number		List Price
Catalog Number	Description	
UTRT-520200	3/4" and 1" CTS-IPS	**$ 20.09 pr.**

1" size requires the use of two removal tools.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

ULTRA-TITE COMPONENT PARTS

O-ring and gripper ring replacement is recommended prior to re-using the fitting.

Component Parts		List Price
Catalog Number	Description	
UTGR4-3	3/4" PET Gripper Ring (red)	**$ 2.22**
UTGR4-4	1" PET Gripper Ring (red)	**2.48**
UTGR6-3	3/4" PEP Gripper Ring (white)	**2.34**
UTGR6-4	1" PEP Gripper Ring (white)	**2.73**
ORING-650405-EP	3/4" CTS EPDM O-ring	**3.59**
ORING-650407-EP	1" CTS EPDM O-ring	**4.81**
ORING-650420-EP	3/4" IP EPDM O-ring	**4.03**
ORING-650422-EP	1" IP EPDM O-ring	**4.17**

CTS polyethylene (PE) per ASTM D-2737 - SDR-9
IPS polyethylene (PE) per ASTM-2239 - SIDR-7

TUBING / PIPE AND FORD ULTRA-TITE COMPATIBILITY TABLE

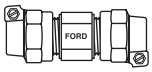
Use this table to ensure pipe/tubing compatibility.

Nominal Size of Connection	Material	Tubing or Pipe O.D. Range (in.)	Tubing or Pipe Wall Thickness Range (in.)	Tubing or Pipe I.D. Range (in.)
3/4" CTS PE	Polyethylene (PE)	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685
1" CTS PE	Polyethylene (PE)	1.120 - 1.130	0.125 - 0.137	0.846 - 0.880
3/4" IPS PE	Polyethylene (PE)	1.045 - 1.110	0.118 - 0.138	0.809 - 0.834
1" IPS PE	Polyethylene (PE)	1.329 - 1.399	0.150 - 0.170	1.029 - 1.059

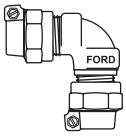
The Ford Ultra-Tite is for applications on polyethylene pipe (PEP) or tubing (PET) only.
The use of a tubing insert is not required or recommended.

PACK JOINT COUPLINGS FOR COPPER OR PLASTIC TUBING (CTS)

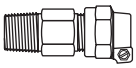
PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BOTH ENDS



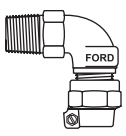
Catalog Number	Description P.J. for CTS	Description P.J. for CTS	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
STRAIGHT COUPLINGS					
♦C44-11-NL	1/2"	1/2"	0.7	20	$ 45.60
♦C44-12-NL	1/2"	5/8"	0.8	16	50.63
*♦C44-13-NL	1/2"	3/4"	0.8	16	44.69
*C44-14-NL	1/2"	1"	1.0	14	52.68
♦C44-22-NL	5/8"	5/8"	1.0	14	55.43
*♦C44-23-NL	5/8"	3/4"	0.9	14	49.56
●♦C44-33-NL	3/4"	3/4"	0.8	14	43.69
C44-33S-Q-NL	3/4"	3/4"	0.9	20	43.69
‡♦C44-33-4-75-NL	3/4"	3/4"	1.3	12	72.08
►♦C44-34-NL	3/4"	1"	0.9	12	50.77
C44-35-NL	3/4"	1-1/4"	1.6	6	82.64
●♦C44-44-NL	1"	1"	1.0	10	49.97
C44-44S-Q-NL	1"	1"	1.4	10	49.97
‡♦C44-44-4-75-NL	1"	1"	1.6	-	82.46
♦C44-45-NL	1"	1-1/4"	1.4	10	73.72
♦C44-46-NL	1"	1-1/2"	2.0	4	119.49
●♦C44-55-NL	1-1/4"	1-1/4"	2.0	4	86.29
C44-56-NL	1-1/4"	1-1/2"	2.6	6	138.37
♦C44-66-NL	1-1/2"	1-1/2"	3.0	10	167.24
C44-66S-Q-NL	1-1/2"	1-1/2"	2.6	6	167.24
C44-67-NL	1-1/2"	2"	3.5	2	182.21
♦C44-77-NL	2"	2"	4.2	6	225.75
C44-77S-Q-NL	2"	2"	3.4	6	225.75
C44-88-NL	2-1/2"	2-1/2"	6.9	1	334.29
ELL COUPLINGS					
►♦L44-33-NL	3/4"	3/4"	0.9	12	56.46
►♦L44-34-NL	3/4"	1"	1.1	10	64.68
►♦L44-44-NL	1"	1"	1.4	6	72.51
L44-55-NL	1-1/4"	1-1/4"	2.1	4	131.05
♦L44-66-NL	1-1/2"	1-1/2"	3.4	3	232.88
♦L44-77-NL	2"	2"	5.8	1	471.16
EIGHTH BEND COUPLINGS					
♦LA44-33-NL	3/4"	3/4	0.9	-	63.62
♦LA44-44-NL	1"	1"	1.3	-	110.41

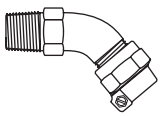


MALE IRON PIPE THREAD TO PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)



Catalog Number	Description Male Iron Pipe	Description P.J. for CTS	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
STRAIGHT COUPLINGS					
♦C84-11-NL	1/2"	1/2"	0.5	35	$ 34.85
C84-12-NL	1/2"	5/8"	0.6	15	39.01
♦C84-13-NL	1/2"	3/4"	0.5	25	33.07
♦C84-31-NL	3/4"	1/2"	0.5	30	34.86
♦C84-32-NL	3/4"	5/8"	0.7	20	41.73
●♦C84-33-NL	3/4"	3/4"	0.6	20	35.87
‡♦C84-33-4-75-NL	3/4"	3/4"	1.0	15	59.19
●♦C84-34-NL	3/4"	1"	0.7	18	39.72
C84-42-NL	1"	5/8"	0.7	-	44.50
►♦C84-43-NL	1"	3/4"	0.6	20	39.19
●♦C84-44-NL	1"	1"	0.8	14	42.48
‡♦C84-44-4-75-NL	1"	1"	1.3	6	70.12
●♦C84-45-NL	1"	1-1/4"	1.3	12	69.23
♦C84-46-NL	1"	1-1/2"	1.8	5	99.67
C84-54-NL	1-1/4"	1"	1.0	5	80.51
♦C84-55-NL	1-1/4"	1-1/4"	1.4	8	81.22
C84-56-NL	1-1/4"	1-1/2"	1.8	5	105.74
♦C84-66-NL	1-1/2"	1-1/2"	2.0	8	116.38
C84-67-NL	1-1/2"	2"	2.7	4	140.10
♦C84-77-NL	2"	2"	2.8	4	169.57
ELL COUPLINGS					
L84-11-Q-NL	1/2"	1/2"	0.6	25	50.76
►♦L84-33-NL	3/4"	3/4"	0.7	16	39.29
► L84-34-NL	3/4"	1"	0.8	12	53.30
►♦L84-44-NL	1"	1"	1.0	10	65.36
♦L84-66-NL	1-1/2"	1-1/2"	2.5	4	189.82
♦L84-77-NL	2"	2"	3.6	2	272.05
EIGHTH BEND COUPLINGS					
♦LA84-33-NL	3/4"	3/4"	0.7	15	43.69
LA84-44-NL	1"	1"	0.8	12	59.41





Grip Joint for CTS (3/4"-2") can be ordered by inserting "-G" into the catalog number. Example: C44-33-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: C44-33-Q-NL

* Grip Joint option is available on larger (3/4" or 1") side. Pack Joint nut on other side.

► Ultra-Tite is available. Insert "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: C44-34-U-AWT-NL

● Ultra-Tite is available. Insert "-U" into the catalog number. Example: C44-44-U-NL

‡ Extended coupling length (4-75 for 4-3/4")

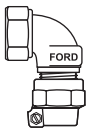
Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

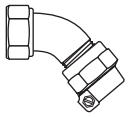
J

PACK JOINT COUPLINGS FOR COPPER OR PLASTIC TUBING (CTS) (CONTINUED)

FEMALE IRON PIPE THREAD TO PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)

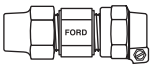


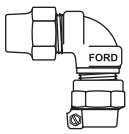




Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Female Iron Pipe	P.J. for CTS			
STRAIGHT COUPLINGS					
♦C14-11-NL	1/2"	1/2"	0.4	36	$ 33.53
C14-12-NL	1/2"	5/8"	0.5	25	41.81
C14-13-NL	1/2"	3/4"	0.5	25	35.87
C14-31-NL	3/4"	1/2"	0.6	25	43.62
●♦C14-33-NL	3/4"	3/4"	0.5	25	37.74
●♦C14-34-NL	3/4"	1"	0.7	18	44.45
●C14-35-NL	3/4"	1-1/4"	1.1	10	77.12
►♦C14-43-NL	1"	3/4"	0.6	20	44.92
●♦C14-44-NL	1"	1"	0.8	15	51.20
●C14-45-NL	1"	1-1/4"	1.1	10	72.96
►*PJA4-44-C14-54-NL	1-1/4"	1"	0.9	12	54.87
* PJA4-44-C14-54-Q-NL	1-1/4"	1"	1.0	12	54.87
*♦PJA4-45-C14-55-NL	1-1/4"	1-1/4"	1.3	10	93.47
* PJA4-46-C14-56-NL	1-1/4"	1-1/2"	1.8	10	116.90
♦C14-66-NL	1-1/2"	1-1/2"	2.2	5	148.86
C14-67-NL	1-1/2"	2"	2.6	3	168.06
C14-76-NL	2"	1-1/2"	2.8	4	159.65
♦C14-77-NL	2"	2"	2.7	3	177.25
♦C14-87-NL	2-1/2"	2"	4.9	3	272.33
C14-87-Q-NL	2-1/2"	2"	4.4	-	272.33
C14-88-NL	2-1/2"	2-1/2"	5.3	2	311.33
ELL COUPLINGS					
L14-11-Q-NL	1/2"	1/2"	0.6	-	45.27
►♦L14-33-NL	3/4"	3/4"	0.9	16	50.90
► L14-43-NL	1"	3/4"	1.0	12	52.55
L14-43-Q-NL	1"	3/4"	1.0	12	56.22
►♦L14-44-NL	1"	1"	1.2	8	82.99
♦L14-54-NL	1-1/4"	1"	1.4	8	87.37
♦L14-66-NL	1-1/2"	1-1/2"	3.3	2	210.12
♦L14-77-NL	2"	2"	4.7	2	300.36
EIGHTH BEND COUPLINGS					
♦LA14-33-NL	3/4"	3/4"	0.7	18	57.66
►♦LA14-43-NL	1"	3/4"	0.6	18	55.80
♦LA14-44-NL	1"	1"	1.2	10	111.63
► LA14-54-NL	1-1/4"	1"	1.1	-	77.21
LA14-76-NL	2"	1-1/2"	2.8	4	210.04
LA14-87-NL	2-1/2"	2"	5.1	2	335.46

FLARE COPPER TO PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)





Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Flare Copper	P.J. for CTS			
STRAIGHT COUPLINGS					
►C24-13-NL	1/2"	3/4"	0.7	24	$ 50.63
►C24-33-NL	3/4"	3/4"	0.9	14	60.13
►C24-34-NL	3/4"	1"	1.0	12	63.68
►C24-44-NL	1"	1"	1.5	10	97.34
C24-45-NL	1"	1 1/4"	1.7	6	110.24
ELL COUPLINGS					
►♦L24-33-NL	3/4"	3/4"	1.0	14	64.04
►♦L24-44-NL	1"	1"	1.6	8	88.20

Grip Joint for CTS (3/4"-2") can be ordered by inserting "-G" into the catalog number. Example: C14-33-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: C14-33-Q-NL

* Pack Joint compression assemblies also used on 1" Kornerhorns and 270 series coppersetters.

► Ultra-Tite is available. Insert "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: L24-33-U-AWT-NL

● Ultra-Tite is available. Insert "-U" into the catalog number. Example: C14-44-U-NL

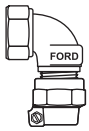
Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

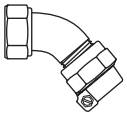
J

PACK JOINT COUPLINGS FOR COPPER OR PLASTIC TUBING (CTS) (CONTINUED)

FEMALE COPPER THREAD TO PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) (REPLACES COPPER FLARE NUT)







Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Fem. Cop. Thrd.	P.J. for CTS			
STRAIGHT COUPLINGS					
C04-23-NL	5/8"	3/4"	0.6	20	**$ 45.63**
●♦C04-33-NL	3/4"	3/4"	0.6	20	**40.80**
● C04-34-NL	3/4"	1"	0.7	18	**47.55**
C04-34-Q-NL	3/4"	1"	0.9	18	**52.81**
♦C04-43-NL	1"	3/4"	0.8	14	**50.90**
●♦C04-44-NL	1"	1"	0.9	12	**59.99**
●♦C04-45-NL	1"	1-1/4"	1.3	10	**80.00**
♦C04-54-NL	1-1/4"	1"	1.1	10	**64.64**
♦C04-55-NL	1-1/4"	1-1/4"	1.5	8	**99.39**
♦C04-66-NL	1-1/2"	1-1/2"	2.6	4	**138.63**
♦C04-77-NL	2"	2"	4.1	2	**216.19**
ELL COUPLINGS					
►L04-33-NL	3/4"	3/4"	0.8	15	**52.55**
L04-33-Q-NL	3/4"	3/4"	0.8	-	**58.85**
L04-34-NL	3/4"	1"	0.9	10	**53.73**
►L04-44-NL	1"	1"	1.3	8	**79.70**
L04-45-NL	1"	1-1/4"	1.6	6	**89.18**
L04-66-NL	1-1/2"	1-1/2"	3.6	2	**243.64**
L04-77-NL	2"	2"	6.1	2	**408.63**
ELL COUPLINGS WITH SWIVEL					
►♦L04-33S-NL	3/4"	3/4"	1.0	12	**71.95**
►♦L04-44S-NL	1"	1"	1.4	8	**98.14**
♦L04-66S-NL	1-1/2"	1-1/2"	3.9	2	**254.83**
♦L04-77S-NL	2"	2"	6.2	1	**430.12**
EIGHTH BEND COUPLINGS					
►LA04-33-NL	3/4"	3/4"	0.6	18	**47.14**
►LA04-44-NL	1"	1"	1.1	10	**76.28**
LA04-66-NL	1-1/2"	1-1/2"	2.5	4	**188.70**
LA04-77-NL	2"	2"	4.3	2	**289.02**
EIGHTH BEND COUPLING WITH SWIVEL					
►♦LA04-33S-NL	3/4"	3/4"	0.9	15	**64.42**
► LA04-44S-NL	1"	1"	1.2	10	**91.56**
♦LA04-66S-NL	1-1/2"	1-1/2"	3.8	2	**320.88**
♦LA04-77S-NL	2"	2"	6.2	1	**454.20**

Grip Joint for CTS (3/4"-2") is available. Insert "-G" into the catalog number. Example: C04-33-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: C04-33-Q-NL

► Ultra-Tite is available. Insert "-U2-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: L04-44-U2-AWT-NL

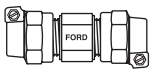
● Ultra-Tite is available. Insert "-U" into the catalog number. Example: C04-44-U-NL

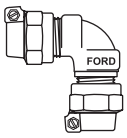
Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

PACK JOINT COUPLINGS FOR (SIDR7) PE PIPE

J

PACK JOINT FOR PE PIPE BOTH ENDS





Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	P.J. for PE Pipe	P.J. for PE Pipe			
STRAIGHT COUPLINGS					
●♦C66-33-NL	3/4"	3/4"	1.1	10	**$ 54.52**
► C66-34-NL	3/4"	1"	1.4	8	**84.40**
●♦C66-44-NL	1"	1"	2.0	4	**108.99**
C66-55-NL	1-1/4"	1-1/4"	2.4	4	**154.13**
C66-66-IDR7-NL	1-1/2"	1-1/2"	4.4	5	**237.50**
C66-77-IDR7-NL	2"	2"	6.6	6	**320.00**
ELL COUPLINGS					
►L66-33-NL	3/4"	3/4"	1.1	8	**79.52**
►L66-44-NL	1"	1"	2.0	6	**123.45**
L66-66-IDR7-NL	1-1/2"	1-1/2"	4.4	3	**325.59**
L66-77-IDR7-NL	2"	2"	6.6	2	**527.27**

Grip Joint for PEP (3/4"-1") is available. Insert "-G" into the catalog number. Example: C66-33-G-NL

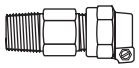
♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: C66-33-Q-NL

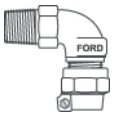
► Ultra-Tite is available. Insert "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: L66-44-U-AWT-NL

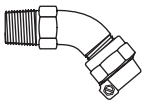
● Ultra-Tite is available. Insert "-U" into the catalog number. Example: C66-44-U-NL

PACK JOINT COUPLINGS FOR (SIDR7) PE PIPE (CONTINUED)

MALE IRON PIPE THREAD TO PACK JOINT FOR POLYETHYLENE PIPE



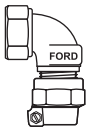




Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Male Iron Pipe	P.J. for PE Pipe			
STRAIGHT COUPLINGS					
●♦C86-33-NL	3/4"	3/4"	0.8	18	$ 47.49
● C86-34-NL	3/4"	1"	1.2	10	77.33
C86-34-Q-NL	3/4"	1"	1.2	12	87.42
●♦C86-44-NL	1"	1"	1.3	12	69.03
C86-54-NL	1-1/4"	1"	1.4	8	92.77
C86-55-NL	1-1/4"	1-1/4"	1.5	5	104.60
C86-65-NL	1-1/2"	1-1/4"	1.7	5	117.35
C86-66-IDR7-NL	1-1/2"	1-1/2"	2.8	3	163.70
C86-77-IDR7-NL	2"	2"	4.6	5	260.04
ELL COUPLINGS					
►L86-33-NL	3/4"	3/4"	0.9	14	61.30
►L86-44-NL	1"	1"	1.4	8	100.07
L86-77-IDR7-NL	2"	2"	5.2	2	260.57
EIGHTH BEND COUPLINGS					
LA86-44-NL	1"	1"	1.5	8	99.93

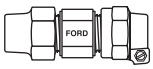
FEMALE IRON PIPE THREAD TO PACK JOINT FOR PE PIPE





Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Fem. Iron Pipe	P.J. for PE Pipe			
STRAIGHT COUPLINGS					
●♦C16-33-NL	3/4"	3/4"	0.7	18	$ 46.53
● C16-34-NL	3/4"	1"	1.1	10	64.64
●♦C16-44-NL	1"	1"	1.1	10	59.41
►*PJA6-44-C16-54-NL	1-1/4"	1"	1.3	10	73.12
*PJA6-45-C16-55-NL	1-1/4"	1-1/4"	1.5	8	85.67
*PJA6-44-C16-56-IDR7-NL	1-1/4"	1-1/2"	2.6	-	126.66
C16-65-NL	1-1/2"	1-1/4"	1.9	8	113.63
C16-66-IDR7-NL	1-1/2"	1-1/2"	2.7	3	146.13
C16-77-IDR7-NL	2"	2"	4.5	2	235.89
ELL COUPLINGS					
►L16-33-NL	3/4"	3/4"	1.0	15	61.73
►L16-44-NL	1"	1"	1.9	5	92.90

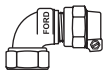
FLARE COPPER TO PACK JOINT FOR PE PIPE

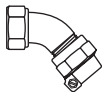


Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Flare Copper	P.J. for PE Pipe			
STRAIGHT COUPLINGS					
►C26-33-NL	3/4"	3/4"	1.0	12	$ 62.83
►C26-34-NL	3/4"	1"	1.6	8	93.64
►C26-44-NL	1"	1"	1.7	6	102.68

FEMALE COPPER THREAD TO PACK JOINT FOR PE PIPE (REPLACES COPPER FLARE NUT)







Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Fem. Cop. Thrd.	P.J. for PE Pipe			
STRAIGHT COUPLINGS					
●♦C06-33-NL	3/4"	3/4"	0.8	18	$ 49.56
● C06-34-NL	3/4"	1"	1.1	10	71.02
► C06-43-NL	1"	3/4"	0.9	12	62.00
● C06-44-NL	1"	1"	1.3	8	80.00
C06-44-Q-NL	1"	1"	1.4	10	92.91
C06-45-NL	1"	1-1/4"	1.7	6	98.47
C06-55-NL	1-1/4"	1-1/4"	1.7	6	114.18
C06-66-IDR7-NL	1-1/2"	1-1/2"	3.0	3	177.00
C06-77-IDR7-NL	2"	2"	5.1	2	305.76
ELL COUPLINGS					
►L06-33-NL	3/4"	3/4"	0.8	12	56.05
►L06-44-NL	1"	1"	1.3	6	97.96
EIGHTH BEND COUPLINGS					
►LA06-33-NL	3/4"	3/4"	0.8	15	61.07
►LA06-44-NL	1"	1"	1.5	5	107.24

Grip Joint for PEP (3/4" and 1") is available. Insert "-G" into the catalog number. Example: C16-33-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: C16-33-Q-NL

* Pack Joint compression assemblies also used on 1" Kornerhorns and 270 series coppersetters.

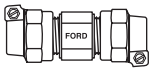
► Ultra-Tite is available. Insert "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: L06-44-U-AWT-NL

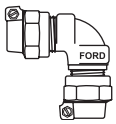
● Ultra-Tite is available. Insert "-U" into the catalog number. Example: C06-44-U-NL

J

PACK JOINT COUPLINGS FOR PVC/IPS PE PIPE

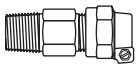
PACK JOINT FOR PVC/IPS PE PIPE BOTH ENDS

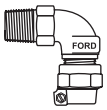




Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	P.J. for PVC/IPS PE Pipe	P.J. for PVC/IPS PE Pipe			
STRAIGHT COUPLINGS					
C77-11-NL	1/2"	1/2"	0.9	14	**$ 43.69**
C77-33-NL	3/4"	3/4"	1.1	10	**63.83**
C77-34-NL	3/4"	1"	1.5	8	**87.05**
C77-44-NL	1"	1"	2.2	5	**108.33**
C77-55-NL	1-1/4"	1-1/4"	2.8	4	**155.46**
C77-66-NL	1-1/2"	1-1/2"	3.7	3	**211.37**
C77-77-NL	2"	2"	5.6	1	**319.72**
ELL COUPLINGS					
L77-11-NL	1/2"	1/2"	0.9	-	**66.00**
L77-33-NL	3/4"	3/4"	1.5	6	**75.48**
L77-44-NL	1"	1"	2.2	4	**133.33**
L77-66-NL	1-1/2"	1-1/2"	5.2	2	**315.67**
L77-77-NL	2"	2"	8.1	1	**527.27**

MALE IRON PIPE THREAD TO PACK JOINT FOR PVC/IPS PE PIPE



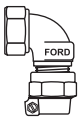


Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Male Iron Pipe	P.J. for PVC/IPS PE Pipe			
STRAIGHT COUPLINGS					
C87-11-NL	1/2"	1/2"	0.5	-	**$ 38.10**
C87-31-NL	3/4"	1/2"	0.6	20	**43.47**
C87-33-NL	3/4"	3/4"	0.8	18	**47.49**
‡ **C87-33-4-75-NL**	3/4"	3/4"	1.1	15	**70.80**
C87-34-NL	3/4"	1"	1.1	10	**70.92**
C87-43-NL	1"	3/4"	0.9	14	**63.95**
C87-44-NL	1"	1"	1.4	12	**74.17**
C87-45-NL	1"	1-1/4"	1.7	5	**88.14**
C87-46-NL	1"	1-1/2"	2.1	4	**132.61**
C87-47-NL	1"	2"	3.0	3	**139.38**
C87-54-NL	1-1/4"	1"	1.4	6	**83.48**
C87-55-NL	1-1/4"	1-1/4"	1.7	5	**113.40**
C87-65-NL	1-1/2"	1-1/4"	2.0	5	**139.54**
C87-66-NL	1-1/2"	1-1/2"	2.4	4	**145.80**
C87-77-NL	2"	2"	3.4	3	**211.87**
ELL COUPLINGS					
L87-31-NL	3/4"	1/2"	0.8	-	**54.09**
L87-33-NL	3/4"	3/4"	0.9	14	**52.43**
L87-34-NL	3/4"	1"	1.4	8	**76.00**
L87-44-NL	1"	1"	1.5	8	**85.71**
L87-77-NL	2"	2"	5.2	-	**294.01**

‡ Extended coupling length (4-75 for 4-3/4")

FEMALE IRON PIPE THREAD TO PACK JOINT FOR PVC/IPS PE PIPE

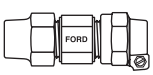


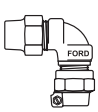


Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Female Iron Pipe	P.J. for PVC/IPS PE Pipe			
STRAIGHT COUPLINGS					
C17-31-NL	3/4"	1/2"	0.5	-	**$ 43.12**
C17-33-NL	3/4"	3/4"	0.7	18	**47.17**
C17-34-NL	3/4"	1"	1.2	10	**74.30**
C17-36-NL	3/4"	1-1/2"	2.2	4	**131.75**
C17-44-NL	1"	1"	1.1	10	**72.75**
* **PJA7-44-C17-54-NL**	1-1/4"	1"	1.3	10	**62.76**
* **PJA7-45-C17-55-NL**	1-1/4"	1-1/4"	1.7	8	**88.81**
* **PJA7-46-C17-56-NL**	1-1/4"	1-1/2"	2.3	4	**135.86**
C17-66-NL	1-1/2"	1-1/2"	2.5	4	**181.07**
C17-77-NL	2"	2"	4.2	3	**243.42**
ELL COUPLINGS					
L17-31-NL	3/4"	1/2"	1.0	-	**54.10**
L17-33-NL	3/4"	3/4"	1.1	12	**61.73**
L17-44-NL	1"	1"	1.9	8	**75.98**
L17-66-NL	1-1/2"	1-1/2"	3.6	2	**213.05**

* Pack Joint compression assemblies also used with KH-4 Kornerhorns and 274 series coppersetters.

FLARE COPPER TO PACK JOINT FOR PVC/IPS PE PIPE





Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Flare Copper	P.J. for PVC/IPS PE Pipe			
STRAIGHT COUPLINGS					
C27-31-NL	3/4"	1/2"	0.9	-	**$ 66.18**
C27-33-NL	3/4"	3/4"	1.1	14	**65.89**
C27-34-NL	3/4"	1"	1.6	-	**111.11**
C27-44-NL	1"	1"	0.5	6	**116.11**
ELL COUPLINGS					
L27-31-NL	3/4"	1/2"	1.1	-	**70.39**

Note: Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11.

PACK JOINT COUPLINGS FOR PVC/IPS PE PIPE (CONTINUED)

FEMALE COPPER THREAD TO PACK JOINT FOR PVC/IPS PE PIPE (REPLACES COPPER FLARE NUT)

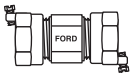


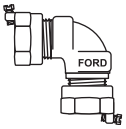
Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Fem. Cop. Thrd.	P.J. for PVC/IPS PE Pipe			
STRAIGHT COUPLINGS					
C07-11-NL	1/2"	1/2"	0.6	20	**$ 39.88**
C07-13-NL	1/2"	3/4"	0.6	-	**46.16**
C07-33-NL	3/4"	3/4"	0.8	18	**49.56**
C07-34-NL	3/4"	1"	1.2	10	**73.99**
C07-44-NL	1"	1"	1.4	10	**80.00**
C07-54-NL	1-1/4"	1"	1.6	-	**88.82**
C07-55-NL	1-1/4"	1-1/4"	1.8	-	**114.18**
C07-66-NL	1-1/2"	1-1/2"	3.0	4	**170.43**
C07-77-NL	2"	2"	4.6	3	**265.13**

Note: Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11.

PACK JOINT COUPLINGS FOR IRON PIPE

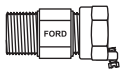
PACK JOINT FOR IRON PIPE BOTH ENDS

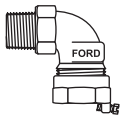




Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	P.J. for Iron Pipe	P.J. for Iron Pipe			
STRAIGHT COUPLINGS					
C55-11-NL	1/2"	1/2"	0.7	20	**$ 43.82**
C55-13-NL	1/2"	3/4"	0.8	18	**45.96**
C55-33-NL	3/4"	3/4"	0.8	15	**48.15**
C55-34-NL	3/4"	1"	1.1	10	**62.11**
C55-44-NL	1"	1"	1.8	6	**84.94**
C55-55-NL	1-1/4"	1-1/4"	2.2	4	**114.42**
C55-66-NL	1-1/2"	1-1/2"	2.8	4	**165.72**
C55-77-NL	2"	2"	4.1	2	**218.12**
ELL COUPLINGS					
L55-11-NL	1/2"	1/2"	0.9	-	**53.24**
L55-33-NL	3/4"	3/4"	1.2	9	**66.77**
L55-44-NL	1"	1"	1.8	4	**129.19**
L55-77-NL	2"	2"	6.6	1	**515.00**

MALE IRON PIPE THREAD TO PACK JOINT FOR IRON PIPE



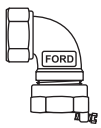


Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Male Iron Pipe	P.J. for Iron Pipe			
STRAIGHT COUPLINGS					
C85-11-NL	1/2"	1/2"	0.5	30	**$ 36.10**
C85-31-NL	3/4"	1/2"	0.5	25	**39.42**
C85-33-NL	3/4"	3/4"	0.6	20	**43.29**
‡ **C85-33-4-75-NL**	3/4"	3/4"	1.0	15	**68.43**
C85-34-NL	3/4"	1"	0.9	14	**63.68**
C85-43-NL	1"	3/4"	0.8	18	**50.84**
C85-44-NL	1"	1"	1.2	12	**66.09**
C85-55-NL	1-1/4"	1-1/4"	1.4	8	**93.32**
C85-66-NL	1-1/2"	1-1/2"	1.9	5	**133.52**
C85-77-NL	2"	2"	2.6	3	**174.04**
ELL COUPLINGS					
L85-31-NL	3/4"	1/2"	0.7	-	**40.69**
L85-33-NL	3/4"	3/4"	0.7	14	**45.27**
L85-44-NL	1"	1"	1.2	8	**79.96**

‡ Extended coupling length (4-75 for 4-3/4")

FEMALE IRON PIPE THREAD TO PACK JOINT FOR IRON PIPE





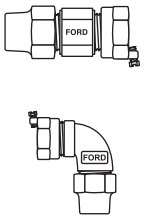
Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Female Iron Pipe	P.J. for Iron Pipe			
STRAIGHT COUPLINGS					
C15-11-NL	1/2"	1/2"	0.4	25	**$ 35.87**
C15-31-NL	3/4"	1/2"	0.4	25	**37.96**
C15-33-NL	3/4"	3/4"	0.6	25	**42.96**
C15-34-NL	3/4"	1"	1.0	10	**59.46**
C15-44-NL	1"	1"	0.9	12	**62.13**
* **PJA5-44-C15-54-NL**	1-1/4"	1"	1.1	10	**62.76**
* **PJA5-45-C15-55-NL**	1-1/4"	1-1/4"	1.4	8	**77.08**
* **PJA5-46-C15-56-NL**	1-1/4"	1-1/2"	1.8	6	**109.33**
C15-66-NL	1-1/2"	1-1/2"	2.0	6	**148.86**
C15-77-NL	2"	2"	3.4	3	**208.74**
ELL COUPLINGS					
L15-31-NL	3/4"	1/2"	0.8	-	**52.68**
L15-44-NL	1"	1"	1.7	-	**65.39**

* Pack Joint compression assemblies also used on 1" Kornerhorns and 270 series coppersetters.

J

PACK JOINT COUPLINGS FOR IRON PIPE (CONTINUED)

FLARE COPPER TO PACK JOINT FOR IRON PIPE



Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Flare Copper	P.J. for Iron Pipe			
STRAIGHT COUPLINGS					
C25-11-NL	1/2"	1/2"	0.6	-	**$ 49.97**
C25-31-NL	3/4"	1/2"	0.9	16	**58.92**
C25-33-NL	3/4"	3/4"	0.9	14	**61.73**
C25-34-NL	3/4"	1"	1.4	10	**110.94**
C25-44-NL	1"	1"	1.6	8	**99.19**
C25-45-NL	1"	1-1/4"	1.9	5	**109.91**
ELL COUPLINGS					
L25-33-NL	3/4"	3/4"	1.0	12	**62.48**

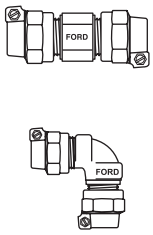
FEMALE COPPER THREAD TO PACK JOINT FOR IRON PIPE (REPLACES COPPER FLARE NUT)



Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Fem. Cop. Thrd.	P.J. for Iron Pipe			
STRAIGHT COUPLINGS					
C05-33-NL	3/4"	3/4"	0.6	20	**$ 49.59**
C05-44-NL	1"	1"	1.2	-	**83.05**
C05-55-NL	1-1/4"	1-1/4"	1.5	-	**135.78**
C05-66-NL	1-1/2"	1-1/2"	2.5	-	**192.23**
C05-77-NL	2"	2"	3.8	-	**274.87**

PACK JOINT (BOTH ENDS) FOR CONNECTING DISSIMILAR TYPES OF PIPE AND TUBING

PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) TO (SIDR7) PE PIPE

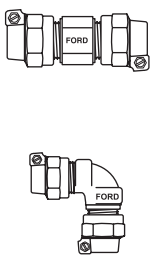


Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	P.J. for CTS	P.J. for PE Pipe			
STRAIGHT COUPLINGS					
► **C46-33-NL**	3/4"	3/4"	0.9	12	**$ 52.21**
► **C46-33-Q-NL**	3/4"	3/4"	1.3	18	**60.13**
► **C46-34-NL**	3/4"	1"	1.6	6	**82.47**
► **C46-43-NL**	1"	3/4"	1.1	10	**54.44**
C46-43-Q-NL	1"	3/4"	1.5	10	**58.75**
►♦**C46-44-NL**	1"	1"	1.4	10	**78.88**
C46-65-NL	1-1/2"	1-1/4"	3.1	-	**200.02**
ELL COUPLINGS					
► **L46-33-NL**	3/4"	3/4"	1.1	10	**63.95**
► **L46-44-NL**	1"	1"	1.7	-	**96.33**

Grip Joint for CTS (3/4"-2") and PEP (3/4" and 1") can be ordered by inserting "-G" into the catalog number. Example: C46-33-G-NL

♦ **Quick Joint** is available for CTS. Insert "-Q" into the catalog number. Example: C46-44-Q-NL

PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) TO PVC/IPS PE PIPE



Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	P.J. for CTS	P.J. for PVC/IPS PE Pipe			
STRAIGHT COUPLING					
C47-11-NL	1/2"	1/2"	0.8	14	**$ 47.85**
C47-31-NL	3/4"	1/2"	0.8	14	**58.65**
►♦**C47-33-NL**	3/4"	3/4"	1.0	12	**59.07**
► **C47-34-NL**	3/4"	1"	1.7	8	**82.64**
► **C47-43-NL**	1"	3/4"	1.1	10	**62.36**
► **C47-44-NL**	1"	1"	1.4	10	**85.34**
C47-45-NL	1"	1-1/4"	2.0	8	**90.88**
C47-66-NL	1-1/2"	1-1/2"	3.4	4	**230.04**
C47-77-NL	2"	2"	4.9	4	**268.56**
ELL COUPLINGS					
► **L47-33-NL**	3/4"	3/4"	1.2	10	**70.15**
► **L47-34-NL**	3/4"	1"	1.7	8	**98.47**
► **L47-44-NL**	1"	1"	1.7	5	**105.94**

Grip Joint for CTS can be ordered by inserting "-G" into the catalog number. Example: C47-33-G-NL

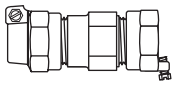
♦ **Quick Joint** is available for CTS. Insert "-Q" into the catalog number. Example: C47-33-Q-NL

► Ultra-Tite is available. Insert "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: C46-33-U-AWT-NL

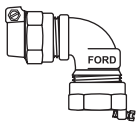
Note: Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11.

PACK JOINT (BOTH ENDS) FOR CONNECTING DISSIMILAR TYPES OF PIPE AND TUBING (CONTINUED)

PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) TO IRON PIPE



Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	P.J. for CTS	P.J. for Iron Pipe			
STRAIGHT COUPLINGS					
C45-11-NL	1/2"	1/2"	0.7	20	**$ 45.82**
C45-13-NL	1/2"	3/4"	0.9	15	**46.92**
C45-31-NL	3/4"	1/2"	0.8	16	**46.92**
►♦C45-33-NL	3/4"	3/4"	0.8	15	**48.36**
►♦C45-34-NL	3/4"	1"	1.5	10	**66.73**
► C45-43-NL	1"	3/4"	0.9	12	**54.39**
► C45-44-NL	1"	1"	1.2	8	**64.89**
C45-45-NL	1"	1-1/4"	1.7	6	**81.15**
C45-66-NL	1-1/2"	1-1/2"	3.0	4	**216.31**
C45-77-NL	2"	2"	4.1	2	**235.06**
ELL COUPLINGS					
L45-31-NL	3/4"	1/2"	0.9	-	**67.60**
L45-33-NL	3/4"	3/4"	1.0	12	**63.09**
► L45-34-NL	3/4"	1"	1.5	-	**91.41**
► L45-43-NL	1"	3/4"	1.3	-	**104.22**
► L45-44-NL	1"	1"	1.5	6	**95.29**

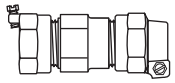


Grip Joint for CTS (3/4"-2") can be ordered by inserting "-G" into the catalog number.
Example: C45-33-G-NL

♦ **Quick Joint** is available for CTS. Insert "-Q" into the catalog number. Example: C45-33-Q-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K tor Type L copper only.

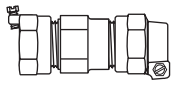
PACK JOINT FOR IRON PIPE TO (SIDR7) PE PIPE



Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	P.J. for Iron Pipe	P.J. for PE Pipe			
STRAIGHT COUPLINGS					
► C56-33-NL	3/4"	3/4"	1.0	12	**$ 59.41**
► C56-34-NL	3/4"	1"	1.3	8	**83.20**
► C56-44-NL	1"	1"	1.9	6	**100.70**

Grip Joint for PEP (3/4" and 1") can be ordered by inserting "-G" into the catalog number.
Example: C56-33-G-NL

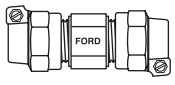
PACK JOINT FOR IRON PIPE TO PVC/IPS PE PIPE



Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	P.J. for Iron Pipe	P.J. for PVC/IPS PE Pipe			
STRAIGHT COUPLINGS					
C57-11-NL	1/2"	1/2"	1.0	-	**$ 45.57**
C57-33-NL	3/4"	3/4"	0.9	12	**57.79**
C57-34-NL	3/4"	1"	1.3	10	**83.10**
C57-44-NL	1"	1"	2.0	5	**100.70**
C57-55-NL	1-1/4"	1-1/4"	2.5	2	**125.16**
C57-66-NL	1-1/2"	1-1/2'	2.8	3	**182.14**
C57-77-NL	2"	2"	4.9	1	**268.94**

Note: Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11.

PACK JOINT FOR (SIDR7) PE PIPE TO PVC/IPS PE PIPE



Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	P.J. for PE Pipe	P.J. for PVC/IPS PE Pipe			
STRAIGHT COUPLINGS					
► C67-33-NL	3/4"	3/4"	1.1	12	**$ 66.73**
► C67-44-NL	1"	1"	2.1	8	**110.27**

Grip Joint for PEP (3/4" and 1") can be ordered by inserting "-G" into the catalog number. Example: C67-33-G-NL

► Ultra-Tite is available. Insert "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: C67-33-U-AWT-NL

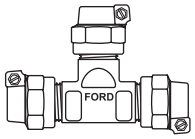
Note: Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11.

J

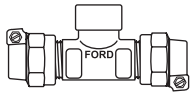
PACK JOINT TEES AND 'Y' BRANCHES

PACK JOINT TEES

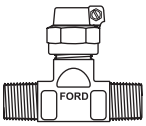
(ADDITIONAL TEES ARE LISTED ON PAGES J-13 AND J-20)



T444-333-NL



T441-333-NL



T884-333-NL

Catalog Number	Description: Both Ends (Run)	x	Description: Side Outlet	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
PACK JOINT BOTH ENDS (RUN) BY PACK JOINT SIDE OUTLET						
►♦**T444-333-NL**	3/4" Cop. or Plastic Tube (CTS)	x	3/4" Cop. or Plastic Tube (CTS)	1.4	6	**$ 105.72**
►♦**T444-334-NL**	3/4" Cop. or Plastic Tube (CTS)	x	1" Cop. or Plastic Tube (CTS)	1.5	4	**112.63**
►♦**T444-443-NL**	1" Cop. or Plastic Tube (CTS)	x	3/4" Cop. or Plastic Tube (CTS)	1.7	4	**116.14**
►♦**T444-444-NL**	1" Cop. or Plastic Tube (CTS)	x	1" Cop. or Plastic Tube (CTS)	1.9	4	**113.14**
T444-445-NL	1" Cop. or Plastic Tube (CTS)	x	1-1/4" Cop. or Plastic Tube (CTS)	2.2	3	**177.79**
T444-446-NL	1" Cop. or Plastic Tube (CTS)	x	1-1/2" Cop. or Plastic Tube (CTS)	2.8	3	**236.56**
T444-447-NL	1" Cop. or Plastic Tube (CTS)	x	2" Cop. or Plastic Tube (CTS)	2.7	3	**297.35**
T444-666-NL	1-1/2" Cop. or Plastic Tube (CTS)	x	1-1/2" Cop. or Plastic Tube (CTS)	4.8	4	**252.30**
♦**T444-774-NL**	2" Cop. or Plastic Tube (CTS)	x	1" Cop. or Plastic Tube (CTS)	5.8	4	**303.07**
T444-777-NL	2" Cop. or Plastic Tube (CTS)	x	2" Cop. or Plastic Tube (CTS)	8.3	1	**615.66**
T444-777-Q-NL	2" Cop. or Plastic Tube (CTS)	x	2" Cop. or Plastic Tube (CTS)	7.0	1	**615.66**
T446-444-NL	1" Cop. or Plastic Tube (CTS)	x	1" PE Pipe P.J.	2.2	-	**176.73**
T446-445-NL	1" Cop. or Plastic Tube (CTS)	x	1-1/4" PE Pipe P.J.	2.6	-	**216.31**
► **T666-333-NL**	3/4" PE Pipe P.J.	x	3/4" PE Pipe P.J.	2.0	4	**150.66**
► **T666-334-NL**	3/4" PE Pipe P.J.	x	1" PE Pipe P.J.	2.3	4	**175.21**
► **T666-443-NL**	1" PE Pipe P.J.	x	3/4" PE Pipe P.J.	2.8	4	**207.13**
► **T666-444-NL**	1" PE Pipe P.J.	x	1" PE Pipe P.J.	3.4	6	**261.00**
T777-333-NL	3/4" PVC/IPS PE P.J.	x	3/4" PVC/IPS PE P.J.	2.0	4	**173.24**
T777-444-NL	1" PVC/IPS PE P.J.	x	1" PVC/IPS PE P.J.	3.7	5	**287.07**
T777-777-NL	2" PVC/IPS PE P.J.	x	2" PVC/IPS PE P.J.	11.5	-	**727.64**
PACK JOINT BOTH ENDS (RUN) BY FEMALE IRON PIPE THREADS SIDE OUTLET						
► **T441-333-NL**	3/4" Cop. or Plastic Tube (CTS)	x	3/4" Female Iron Pipe	1.1	8	**87.22**
T441-333-Q-NL	3/4" Cop. or Plastic Tube (CTS) Q.J.	x	3/4" Female Iron Pipe	1.3	8	**100.35**
►♦**T441-334-NL**	3/4" Cop. or Plastic Tube (CTS)	x	1" Female Iron Pipe	1.3	6	**89.22**
► **T441-444-NL**	1" Cop. or Plastic Tube (CTS)	x	1" Female Iron Pipe	1.6	4	**108.16**
T441-444-Q-NL	1" Cop. or Plastic Tube (CTS)	x	1" Female Iron Pipe	2.2	4	**124.37**
T441-663-NL	1-1/2" Cop. or Plastic Tube (CTS)	x	3/4" Female Iron Pipe	3.4	4	**203.12**
T441-664-NL	1-1/2" Cop. or Plastic Tube (CTS)	x	1" Female Iron Pipe	3.4	4	**203.12**
T441-773-NL	2" Cop. or Plastic Tube (CTS)	x	3/4" Female Iron Pipe	5.0	4	**283.23**
T441-774-NL	2" Cop. or Plastic Tube (CTS)	x	1" Female Iron Pipe	4.9	4	**283.23**
PACK JOINT BOTH ENDS (RUN) BY SIDE OUTLET TAPPED FOR AWWA/CC CORP STOP						
T440-663-NL	1-1/2" Cop. or Plastic Tube (CTS)	x	3/4" Female AWWA Taper	3.4	-	**194.68**
T440-664-NL	1-1/2" Cop. or Plastic Tube (CTS)	x	1" Female AWWA Taper	3.3	-	**194.68**
T440-773-NL	2" Cop. or Plastic Tube (CTS)	x	3/4" Female AWWA Taper	5.0	4	**274.82**
T440-774-NL	2" Cop. or Plastic Tube (CTS)	x	1" Female AWWA Taper	4.8	4	**272.05**
PACK JOINT BOTH ENDS (RUN) BY MALE IRON PIPE THREADS SIDE OUTLET						
♦**T448-333-NL**	3/4" Cop. or Plastic Tube (CTS)	x	3/4" Male Iron Pipe	1.1	-	**87.22**
► **T448-334-NL**	3/4" Cop. or Plastic Tube (CTS)	x	1" Male Iron Pipe	1.2	6	**112.97**
T448-334-Q-NL	3/4" Cop. or Plast. Tube (CTS) Q.J.	x	1" Male Iron Pipe	1.3	-	**129.96**
T448-446-NL	1" Cop. or Plastic Tube (CTS)	x	1-1/2" Male Iron Pipe	1.7	6	**172.44**
MALE IRON PIPE THREADS BOTH ENDS (RUN) BY PACK JOINT SIDE OUTLET						
► **T884-333-NL**	3/4" Male Iron Pipe	x	3/4" Cop. or Plastic Tube (CTS)	0.8	-	**70.46**
► **T884-334-NL**	3/4" Male Iron Pipe	x	1" Cop. or Plastic Tube (CTS)	1.0	10	**79.84**
T884-334-Q-NL	3/4" Male Iron Pipe	x	1" Cop. or Plastic Tube (CTS)	1.2	10	**91.83**
► **T884-444-NL**	1" Male Iron Pipe	x	1" Cop. or Plastic Tube (CTS)	1.2	4	**103.41**
T884-444-Q-NL	1" Male Iron Pipe	x	1" Cop. or Plastic Tube (CTS)	1.8	-	**118.91**
FEMALE IRON PIPE TO MALE IRON PIPE THREAD (RUN) BY PACK JOINT SIDE OUTLET						
T184-664-NL	1-1/2" FIP to 1-1/2" MIP	x	1" Cop. or Plastic Tube (CTS)	2.3	-	**191.58**
T184-774-NL	2" FIP to 2" MIP	x	1" Cop. or Plastic Tube (CTS)	2.5	-	**213.45**

Grip Joint for CTS (3/4"-2") or PEP (3/4" and 1") can be ordered by inserting "-G" into the catalog number. Example: T444-333-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: T444-333-Q-NL

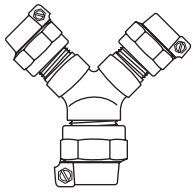
► Ultra-Tite is available. Insert "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: T444-333-U-AWT-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K tor Type L copper only.

J

PACK JOINT TEES AND 'Y' BRANCHES

PACK JOINT 'Y' BRANCH
(ADDITIONAL "Y" BRANCHES ARE LISTED ON PAGES J-19 AND J-20)


Y44-243-NL

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Single Branch End	Multi-Branch End			
♦Y44-233-NL	3/4" Cop. or Plastic Tube (CTS)	Two 3/4" Cop. or Plastic Tube (CTS)	1.4	9	$ 97.33
●♦Y44-243-NL	1" Cop. or Plastic Tube (CTS)	Two 3/4" Cop. or Plastic Tube (CTS)	1.5	4	90.41
♦Y44-244-NL	1" Cop. or Plastic Tube (CTS)	Two 1" Cop. or Plastic Tube (CTS)	2.2	4	150.00
Y44-254-NL	1-1/4" Cop. or Plastic Tube (CTS)	Two 1" Cop. or Plastic Tube (CTS)	2.9	6	205.30
♦Y44-263-NL	1-1/2" Cop. or Plastic Tube (CTS)	Two 3/4" Cop. or Plastic Tube (CTS)	3.2	2	212.35
Y44-264-NL	1-1/2" Cop. or Plastic Tube (CTS)	Two 1" Cop. or Plastic Tube (CTS)	3.3	2	218.70
Y44-264-Q-NL	1-1/2" Cop. or Plastic Tube (CTS)	Two 1" Cop. or Plastic Tube (CTS)	3.5	2	251.52
♦Y44-274-NL	2" Cop. or Plastic Tube (CTS)	Two 1" Cop. or Plastic Tube (CTS)	3.9	2	252.78
♦Y48-234-NL	1" Male Iron Pipe Thread	Two 3/4" Cop. or Plastic Tube (CTS)	1.2	6	84.84
Y48-246-NL	1-1/2" Male Iron Pipe Thread	Two 1" Cop. or Plastic Tube (CTS)	2.2	3	137.67
Y48-247-NL	2" Male Iron Pipe Thread	Two 1" Cop. or Plastic Tube (CTS)	2.3	-	197.16
Y48-347-NL	2" Male Iron Pipe Thread	Three 1" Cop. or Plastic Tube (CTS)	4.4	4	254.10
► Y66-243-NL	1" PE Pipe P.J.	Two 3/4" PE Pipe P.J.	2.9	2	186.66
Y68-337-NL	2" Male Iron Pipe Thread	Three 3/4" PE Pipe P.J.	4.5	-	440.08

Grip Joint for CTS (3/4"-2") or PEP (3/4" and 1") can be ordered by inserting "-G" into the catalog number. Example: Y44-233-G-NL

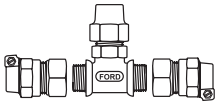
♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: Y44-233-Q-NL

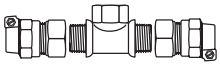
► Ultra-Tite is available. Insert "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: Y66-243-U-AWT-NL

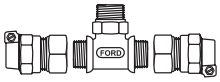
● **Ultra-Tite** is available. Insert "-U" into the catalog number. Example: Y44-243-U-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K tor Type L copper only.

CUT-IN TEES WITH DETACHABLE PACK JOINT ASSEMBLIES


TD442-333-NL


TD441-333-NL


TD448-333-NL

Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Both Ends (Run)	Side Outlet			
SIDE OUTLET FOR FLARE COPPER					
♦TD442-113-NL	1/2" Cop. or Plastic Tube (CTS) P.J.	3/4" Flare Copper	2.1	-	$ 116.99
TD552-113-NL	1/2" Iron Pipe P.J.	3/4" Flare Copper	2.0	-	105.78
♦TD442-333-NL	3/4" Cop. or Plastic Tube (CTS) P.J.	3/4" Flare Copper	2.1	-	103.20
TD552-333-NL	3/4" Iron Pipe P.J.	3/4" Flare Copper	2.1	-	109.78
TD442-443-NL	1" Cop. or Plastic Tube (CTS) P.J.	3/4" Flare Copper	2.5	-	114.70
TD552-443-NL	1" Iron Pipe P.J.	3/4" Flare Copper	3.1	-	162.55
*TD002-NL	Less P.J. Assemblies	3/4" Flare Copper	10.0	-	63.80
SIDE OUTLET FOR FEMALE IRON PIPE THREADS					
♦TD441-113-NL	1/2" Cop. or Plastic Tube (CTS) P.J.	3/4" Female Iron Pipe threads	1.8	-	104.22
TD551-113-NL	1/2" Iron Pipe P.J.	3/4" Female Iron Pipe threads	1.6	-	82.16
►♦TD441-333-NL	3/4" Cop. or Plastic Tube (CTS) P.J.	3/4" Female Iron Pipe threads	1.7	6	95.64
TD551-333-NL	3/4" Iron Pipe P.J.	3/4" Female Iron Pipe threads	1.6	-	91.07
► TD441-443-NL	1" Cop. or Plastic Tube (CTS) P.J.	3/4" Female Iron Pipe threads	2.1	4	107.24
TD551-443-NL	1" Iron Pipe P.J.	3/4" Female Iron Pipe threads	2.6	-	141.86
*TD001-NL	Less P.J. Assemblies	3/4" Female Iron Pipe threads	0.6	16	40.36
SIDE OUTLET FOR MALE IRON PIPE THREADS					
♦TD448-113-NL	1/2" Cop. or Plastic Tube (CTS) P.J.	3/4" Male Iron Pipe threads	1.8	-	96.36
TD558-113-NL	1/2" Iron Pipe P.J.	3/4" Male Iron Pipe threads	1.7	-	90.15
►♦TD448-333-NL	3/4" Cop. or Plastic Tube (CTS) P.J.	3/4" Male Iron Pipe threads	1.8	6	89.42
TD558-333-NL	3/4" Iron Pipe P.J.	3/4" Male Iron Pipe threads	1.7	-	94.77
► TD448-443-NL	1" Cop. or Plastic Tube (CTS) P.J.	3/4" Male Iron Pipe threads	2.3	6	100.07
TD558-443-NL	1" Iron Pipe P.J.	3/4" Male Iron Pipe threads	2.7	-	145.90
*TD008-NL	Less P.J. Assemblies	3/4" Male Iron Pipe threads	0.7	12	44.99

Grip Joint for CTS (3/4"-2") or PEP (3/4" and 1") can be ordered by inserting "-G" into the catalog number. Example: TD442-333-G-NL

♦ **Quick Joint** is available for CTS. Insert "-Q" into the catalog number. Example: TD442-333-Q-NL

► Ultra-Tite is available. Insert "-U-AWT" into the catalog number (consists of components assembled watertight). Contact factory for pricing and availability. Example: TD441-333-U-AWT-NL

* **To purchase Pack Joint assemblies for PET, PEP, PVC/IPS PE and iron pipe, refer to section B under Pack Joint Assemblies for Kornerhorns.**

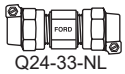
Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K tor Type L copper only.

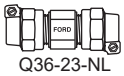
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LEAD-PAK COUPLINGS


Q21-33-NL


Q1Q1-33-Q3Q3-22-NL


Q24-33-NL

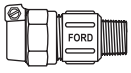

Q36-23-NL

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
LEAD PIPE TO FEMALE IRON PIPE THREAD						
* **Q11-23-Q31-13-NL**	1/2" Dbl. Extra Strong Lead (XXS) or 5/8" Strong Lead (S)	x	3/4" Female Iron Pipe Thread	0.7	18	**$ 60.78**
Q21-23-NL (C16-33-NL)	5/8" Extra Strong Lead (XS)	x	3/4" Female Iron Pipe Thread	0.7	18	**46.53**
* **Q11-33-Q31-23-NL**	5/8" Dbl. Extra Strong Lead (XXS) or 3/4" Strong Lead (S)	x	3/4" Female Iron Pipe Thread	0.6	20	**61.67**
Q21-33-NL	3/4" Extra Strong Lead (XS)	x	3/4" Female Iron Pipe Thread	1.0	14	**88.56**
Q31-33-NL	3/4" Dbl. Extra Strong Lead (XXS)	x	3/4" Female Iron Pipe Thread	1.1	10	**64.64**
Q21-44-NL	1" Extra Strong Lead (XS)	x	1" Female Iron Pipe Thread	1.4	10	**101.75**
LEAD PIPE TO SOLDER FITTING FOR COPPER TUBING						
Q2S-13-NL	1/2" Extra Strong Lead (XS)	x	3/4" Solder Fit. Cop. Tubing	0.5	-	**40.11**
❍* **Q1S-23-Q3S-13-NL**	1/2" Dbl. Extra Strong Lead (XXS) or 5/8" Strong Lead (S)	x	3/4" Solder Fit. Cop. Tubing	0.9	-	**57.90**
❍ **Q2S-23-NL**	5/8" Extra Strong Lead (XS)	x	3/4" Solder Fit. Cop. Tubing	0.7	-	**54.52**
❍* **Q1S-33-Q3S-23-NL**	5/8" Dbl. Extra Strong Lead (XXS) or 3/4" Strong Lead (S)	x	3/4" Solder Fit. Cop. Tubing	0.7	-	**57.36**
❍ **Q2S-33-NL**	3/4" Extra Strong Lead (XS)	x	3/4" Solder Fit. Cop. Tubing	1.0	-	**63.53**
❍** **Q1S-44-AWT-NL**	1" Strong Lead (S)	x	1" Solder Fit. Cop. Tubing	1.5	-	**186.99**
❍** **Q2S-44-AWT-NL**	1" Extra Strong Lead (XS)	x	1" Solder Fit. Cop. Tubing	2.0	-	**133.80**
❍** **Q3S-44-AWT-NL**	1" Dbl. Extra Strong Lead (XXS)	x	1" Solder Fit. Cop. Tubing	2.0	-	**146.16**
LEAD PIPE TO LEAD PIPE						
Q2Q2-11-NL (C44-33-NL)	1/2" Extra Strong Lead (XS)	x	1/2" Extra Strong Lead (XS)	0.9	14	**43.69**
* **Q1Q1-22-Q3Q3-11-NL**	1/2" Dbl. Extra Strong Lead (XXS) or 5/8" Strong Lead (S)	x	1/2" Dbl. Extra Strong Lead (XXS) or 5/8" Strong Lead (S)	1.0	12	**75.87**
Q2Q2-22-NL (C66-33-NL)	5/8" Extra Strong Lead (XS)	x	5/8" Extra Strong Lead (XS)	1.2	10	**54.52**
* **Q1Q1-33-Q3Q3-22-NL**	5/8" Dbl. Extra Strong Lead (XXS) or 3/4" Strong Lead (S)	x	5/8" Dbl. Extra Strong Lead (XXS) or 3/4" Strong Lead (S)	1.0	12	**73.35**
Q2Q2-33-NL	3/4" Extra Strong Lead (XS)	x	3/4" Extra Strong Lead (XS)	1.7	6	**89.75**
Q3Q3-33-NL	3/4" Dbl. Extra Strong Lead (XXS)	x	3/4" Dbl. Extra Strong Lead (XXS)	2.1	4	**108.99**
Q1Q1-44-NL	1" Strong Lead (S)	x	1" Strong Lead (S)	3.0	6	**153.39**
Q2Q2-44-NL	1" Extra Strong Lead (XS)	x	1" Extra Strong Lead (XS)	2.7	6	**168.81**
Q3Q3-44-NL	1" Dbl. Extra Strong Lead (XXS)	x	1" Dbl. Extra Strong Lead (XXS)	2.5	8	**178.24**
Q2Q2-55-NL (C66-55-NL)	1-1/4" Extra Strong Lead (XS)	x	1-1/4" Extra Strong Lead (XS)	3.0	4	**154.13**
Q2Q2-66-NL (C66-66-IDR7-NL)	1-1/2" Extra Strong Lead (XS)	x	1-1/2" Extra Strong Lead (XS)	4.5	5	**237.50**
LEAD PIPE TO PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)						
Q24-13-NL (C44-33-NL)	1/2" Extra Strong Lead (XS)	x	3/4" Cop. or Plastic Tub. (CTS)	0.8	14	**43.69**
Q14-22-Q34-12-NL	1/2" Dbl. Extra Strong Lead (XXS) or 5/8" Dbl. Extra Strong Lead (XXS)	x	5/8" Cop. or Plastic Tub. (CTS)	1.0	-	**79.56**
* **Q14-23-Q34-13-NL**	1/2" Dbl. Extra Strong Lead (XXS) or 5/8" Strong Lead (S)	x	3/4" Cop. or Plastic Tub. (CTS)	1.0	12	**73.61**
♦ **Q24-23-NL (C46-33-NL)**	5/8" Extra Strong Lead (XS)	x	3/4" Cop. or Plastic Tub. (CTS)	0.9	12	**52.21**
♦ **Q24-24-NL (C46-43-NL)**	5/8" Extra Strong Lead (XS)	x	1" Cop. or Plastic Tub. (CTS)	1.2	10	**54.44**
Q34-24-NL	5/8 Dbl. Extra Strong Lead (XXS)	x	1" Cop. or Plastic Tub. (CTS)	1.2	12	**74.96**
* **Q14-33-Q34-23-NL**	5/8" Dbl. Extra Strong Lead (XXS) or 3/4" Strong Lead (S)	x	3/4" Cop. or Plastic Tub. (CTS)	1.0	12	**80.57**
♦ **Q24-33-NL**	3/4" Extra Strong Lead (XS)	x	3/4" Cop. or Plastic Tub. (CTS)	1.2	12	**91.41**
Q34-33-NL	3/4" Dbl. Extra Strong Lead (XXS)	x	3/4" Cop. or Plastic Tub. (CTS)	1.6	6	**82.47**
Q24-43-NL	1" Extra Strong Lead (XS)	x	3/4" Cop. or Plastic Tub. (CTS)	1.6	8	**141.71**
Q34-43-NL	1" Dbl. Extra Strong Lead (XXS)	x	3/4" Cop. or Plastic Tub. (CTS)	1.5	8	**137.81**
Q14-44-NL	1" Strong Lead (S)	x	1" Cop. or Plastic Tub. (CTS)	1.8	6	**149.20**
Q24-34-NL	3/4" Extra Strong Lead (XS)	x	1" Cop. or Plastic Tub. (CTS)	1.2	10	**115.69**
Q24-44-NL	1" Extra Strong Lead (XS)	x	1" Cop. or Plastic Tub. (CTS)	1.7	6	**145.90**
Q34-44-NL	1" Dbl. Extra Strong Lead (XXS)	x	1" Cop. or Plastic Tub. (CTS)	1.5	6	**133.80**
Q24-56-C46-65-NL	1-1/4" Extra Strong Lead (XS)	x	1-1/2" Cop. or Plastic Tub. (CTS)	2.7	4	**200.02**
Q24-66-C46-66-IDR7-NL	1-1/2" Extra Strong Lead (XS)	x	1-1/2" Cop. or Plastic Tub. (CTS)	3.6	6	**235.39**
Q24-77-NL	2" Extra Strong Lead (XS)	x	2" Cop. or Plastic Tub. (CTS)	6.1	3	**380.22**
LEAD PIPE TO PACK JOINT FOR PE PIPE						
Q26-13-NL (C46-33-NL)	1/2" Extra Strong Lead (XS)	x	3/4" PE Pipe P.J.	1.0	12	**52.21**
Q26-23-NL (C66-33-NL)	5/8" Extra Strong Lead (XS)	x	3/4" PE Pipe P.J.	1.2	10	**54.52**
Q36-23-NL	5/8" Dbl. Extra Strong Lead (XXS)	x	3/4" PE Pipe P.J.	1.1	12	**69.45**
Q36-33-NL	3/4" Dbl. Extra Strong Lead (XXS)	x	3/4" PE Pipe P.J.	1.5	6	**98.45**
Q36-34-NL	3/4" Dbl. Extra Strong Lead (XXS)	x	1" PE Pipe P.J.	2.1	-	**127.09**
Q26-66-NL (C66-66-IDR7-NL)	1-1/2" Extra Strong Lead (XS)	x	1-1/2" PE Pipe P.J.	4.5	5	**237.50**

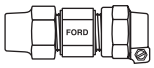
Grip Joint for CTS (3/4"-2") or PEP (3/4" and 1") can be ordered by inserting "-G" into the catalog number. Example: Q14-23-Q34-13-G-NL
♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: T444-333-Q-NL
* These items fit two types/sizes of lead pipe as shown in the description. When ordering use complete catalog number.
** These items are not one piece but are two adapter pieces assembled watertight.
Note: Catalog numbers in (parentheses), that are used for other types of pipe and tubing, are identical to their corresponding lead-pak couplings, **however, the Grip Joint version of these items are incompatible with lead pipe.**
❍ **Attention:** Special solder and procedures are required for best results. Contact factory for details.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K tor Type L copper only.

LEAD-PAK COUPLINGS (CONTINUED)



Q28-33-NL



Q22-33-NL

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
LEAD PIPE TO MALE IRON PIPE THREAD						
Q28-13-NL (C84-33-NL)	1/2" Extra Strong Lead (XS)	x	3/4" Male Iron Pipe Threads	0.6	-	**$ 35.87**
* **Q18-23-Q38-13-NL**	1/2" Dbl. Extra Strong Lead (XXS) or 5/8" Strong Lead (S)	x	3/4" Male Iron Pipe Threads	0.7	18	**61.06**
Q28-23-NL (C86-33-NL)	5/8" Extra Strong Lead (XS)	x	3/4" Male Iron Pipe Threads	0.8	-	**47.49**
* **Q18-33-Q38-23-NL**	5/8" Dbl. Extra Strong Lead (XXS) or 3/4" Strong Lead (S)	x	3/4" Male Iron Pipe Threads	0.7	18	**64.39**
Q28-33-NL	3/4" Extra Strong Lead (XS)	x	3/4" Male Iron Pipe Threads	1.0	14	**66.18**
Q38-33-NL	3/4" Dbl. Extra Strong Lead (XXS)	x	3/4" Male Iron Pipe Threads	1.2	14	**77.33**
Q18-44-NL	1" Strong Lead (S)	x	1" Male Iron Pipe Threads	1.5	8	**116.23**
Q28-44-NL	1" Extra Strong Lead (XS)	x	1" Male Iron Pipe Threads	1.4	8	**96.00**
Q38-44-NL	1" Dbl. Extra Strong Lead (XXS)	x	1" Male Iron Pipe Threads	1.3	8	**108.33**
Q28-55-NL (C86-55-NL)	1-1/4" Extra Strong Lead (XS)	x	1-1/4" Male Iron Pipe Threads	1.7	-	**104.60**
Q28-66-NL (C86-66-IDR7-NL)	1-1/2" Extra Strong Lead (XS)	x	1-1/2" Male Iron Pipe Threads	2.8	-	**163.70**
Q28-77-NL	2" Extra Strong Lead (XS)	x	2" Male Iron Pipe Threads	4.7	5	**325.65**
LEAD PIPE TO FLARE COPPER						
Q22-13-NL (C24-33-NL)	1/2" Extra Strong Lead (XS)	x	3/4" Flare Copper	0.9	-	**60.13**
* **Q12-23-Q32-13-NL**	1/2" Dbl. Extra Strong Lead (XXS) or 5/8" Strong Lead (S)	x	3/4" Flare Copper	1.0	12	**68.76**
Q22-23-NL (C26-33-NL)	5/8" Extra Strong Lead (XS)		3/4" Flare Copper	1.1	-	**62.83**
Q22-24-NL	5/8" Extra Strong Lead (XS)	x	1" Flare Copper	1.5	8	**73.72**
Q12-33-Q32-23-NL	5/8" Dbl. Extra Strong Lead (XXS) or 3/4" Strong Lead (S)	x	3/4" Flare Copper	1.1	12	**67.21**
Q22-33-NL	3/4" Extra Strong Lead (XS)	x	3/4" Flare Copper	1.3	12	**79.37**
Q32-33-NL	3/4" Dbl. Extra Strong Lead (XXS)	x	3/4" Flare Copper	1.5	12	**93.64**
* **Q12-34-Q32-24-NL**	5/8" Dbl. Extra Strong Lead (XXS) or 3/4" Strong Lead (S)	x	1" Flare Copper	1.4	6	**117.73**
Q22-34-NL	3/4" Extra Strong Lead (XS)	x	1" Flare Copper	1.6	10	**113.42**
Q12-44-NL	1" Strong Lead (S)	x	1" Flare Copper	2.0	5	**139.92**
Q22-44-NL	1" Extra Strong Lead (XS)	x	1" Flare Copper	1.9	5	**99.81**
Q32-44-NL	1" Dbl. Extra Strong Lead (XXS)	x	1" Flare Copper	1.8	5	**126.18**

Grip Joint for CTS or PEP (3/4" and 1") can be ordered by inserting "-G" into the catalog number. Example: C86-33-G-NL

* These items fit two types/sizes of lead pipe as shown in the description. When ordering, use complete catalog number.

Note: Catalog numbers in (parentheses), that are used for other types of pipe and tubing, are identical to their corresponding Lead-Pak couplings, **however, the Grip Joint version of these are incompatible with lead pipe.**

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K tor Type L copper only.

LEAD PIPE DIMENSIONS

Size (I.D.) and Type of Lead Pipe	Approx. Average O.D.
1/2" Extra Strong	0.876
1/2" Double Extra Strong	1.012
5/8" Strong	1.019
5/8" Extra Strong	1.082
5/8" Double Extra Strong	1.137
3/4" Strong	1.156
3/4" Extra Strong	1.212
3/4" Double Extra Strong	1.336
1" Strong	1.428
1" Extra Strong	1.492
1" Double Extra Strong	1.596
1-1/4" Extra Strong	1.765
1-1/2" Extra Strong	2.076
2" Extra Strong	2.751

J

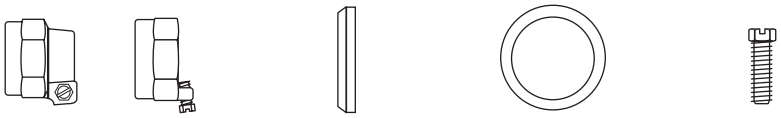
NO-CONTACT COUPLINGS (patent 10,371,296)

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
***Q11-33-Q31-23-NC-NL**	5/8" dbl. extra strong lead (XXS) or 3/4" strong lead (S)	x	3/4" female iron pipe thread	1.1	10	**110.71**
***Q14-33-Q34-23-NC-NL**	5/8" dbl. extra strong lead (XXS) or 3/4" strong lead (S)	x	3/4" cop. or plastic tubing (CTS)	1.4	10	**129.62**
***Q18-33-Q38-23-NC-NL**	5/8" dbl. extra strong lead (XXS) or 3/4" strong lead (S)	x	3/4" male iron pipe threads	1.2	-	**113.43**
Q22-33-NC-NL	3/4" extra strong lead (XS)	x	3/4" flare copper	1.4	10	**128.41**
Q22-34-NC-NL	3/4" extra strong lead (XS)	x	1" flare copper	1.6	6	**162.48**
Q24-33-NC-NL	3/4" extra strong lead (XS)	x	3/4" cop. or plastic tubing (CTS)	1.2	10	**140.45**
Q24-34-NC-NL	3/4" extra strong lead (XS)	x	1" cop. or plastic tubing (CTS)	1.4	8	**164.73**
Q28-33-NC-NL	3/4" extra strong lead (XS)	x	3/4" male iron pipe threads	1.1	11	**115.21**
Q21-44-NC-NL	1" extra strong lead (XS)	x	1" female iron pipe thread	1.7	-	**150.80**
Q22-44-NC-NL	1" extra strong lead (XS)	x	1" flare copper	2.3	4	**148.82**
Q24-44-NC-NL	1" extra strong lead (XS)	x	1" cop. or plastic tubing (CTS)	2.0	4	**194.94**
Q28-44-NC-NL	1" extra strong lead (XS)	x	1" male iron pipe threads	1.7	7	**145.04**

*These items fit two types/sizes of lead pipe as shown in the description.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K tor Type L copper only.

PACK JOINT NUTS AND PARTS



Pack Joint Nut Size and Type	Nut & Gasket Assembly Complete		Beveled Rubber Gasket Only		Plastic Anti-Friction Ring		Clamp / Set Screw	
	Catalog Number	List Price	Catalog Number	List Price	Catalog Number	List Price	Catalog Number	List Price
COPPER OR PLASTIC TUBING (CTS)								
1/2"	NG-AA4	$ 9.57	GT-1	$ 1.54	FR-A	$ 0.32	CS-A	$ 0.71
5/8"	NG-B4	11.96	GT-24	1.94	FR-A-5	0.32	CS-A	0.71
3/4"	NG-D4 (bx. qty.50)	10.55	GT-1-5	0.92	FR-A-5	0.32	CS-A	0.71
1"	NG-F4	11.99	GT-5	1.23	FR-D	0.32	CS-A	0.71
1" (Corp/BallCorp)	NG-FF4	16.17	GT-7	1.23	FR-E	0.32	CS-A	0.71
1-1/4"	NG-F6-NG-H4	22.54	GT-10	2.89	FR-F	0.42	CS-A	0.71
1-1/4" (BallCorp)	NG-FF6-NG-HH4	28.92	GT-10-5	3.95	FR-G	0.49	CS-A	0.71
** 1-1/2"	NG-J4	34.11	GT-14	5.25	FR-H	0.62	CS-B	1.43
1-1/2" (BallCorp)	NG-JJJ4	50.87	GT-28	6.07	FR-T	0.64	CS-B	1.43
** 2"	NG-K4	47.98	GT-17	3.94	FR-K	0.65	CS-B	1.43
2" (BallCorp)	NG-KKK4	64.50	GT-25	9.29	FR-R	0.93	CS-B	1.43
2-1/2"	NG-L4	82.03	GT-61	4.75	FR-S	0.87	CS-B	1.43
IRON PIPE								
1/2"	NG-A5	9.06	GT-1-5	0.92	FR-A-5	0.32	SS-A	1.37
3/4"	NG-D5	11.30	GT-3	2.25	FR-D	0.32	SS-A	1.37
1"	NG-F5	19.58	GT-9	2.40	FR-F	0.42	CS-B	1.43
1-1/4"	NG-H5	23.22	GT-15	3.43	FR-H	0.62	CS-B	1.43
1-1/2"	NG-J5	36.72	GT-16	3.82	FR-J	0.59	CS-B	1.43
2"	NG-K5	46.46	GT-18	4.40	FR-M	0.71	CS-B	1.43
PE PIPE								
3/4"	NG-D6	13.68	GT-3	2.25	FR-D	0.32	CS-A	0.71
3/4" (Corp/BallCorp)	NG-DD6	17.57	GT-4	4.22	FR-E	0.32	CS-A	0.71
1"	NG-F6-NG-H4	22.54	GT-10	2.89	FR-F	0.42	CS-A	0.71
1" (Corp/BallCorp)	NG-FF6-NG-HH4	28.92	GT-10-5	3.95	FR-G	0.49	CS-A	0.71
1-1/4"	NG-H6	31.05	GT-15-5	2.68	FR-H	0.62	CS-A	0.71
1-1/4" (BallCorp)	NG-HH6	45.62	GT-49	9.85	FR-J	0.59	CS-A	0.71
1-1/2"	NG-JJ6-IDR7	47.30	GT-17	3.94	FR-K	0.65	CS-B	1.43
1-1/2" (BallCorp)	NG-JJJ6-IDR7	64.71	GT-25	9.29	FR-R	0.93	CS-B	1.43
2"	NG-KK6-IDR7	61.61	GT-27	5.51	FR-S	0.87	CS-B	1.43
PVC/IPS PE PIPE								
1/2"	NG-A7	10.65	GT-1-5	0.92	FR-A-5	0.32	CS-A	0.71
3/4"	NG-D7	13.68	GT-3	2.25	FR-D	0.32	CS-A	0.71
3/4" (Corp/BallCorp)	NG-DD7	17.57	GT-4	4.22	FR-E	0.32	CS-A	0.71
1"	NG-F7	21.19	GT-9	2.40	FR-F	0.42	CS-A	0.71
1" (Corp/BallCorp)	NG-FF7	28.90	GT-10-5	3.95	FR-G	0.49	CS-A	0.71
1-1/4"	NG-H7	30.89	GT-15	3.43	FR-H	0.62	CS-B	1.43
1-1/4" (BallCorp)	NG-HH7	56.83	GT-48	9.57	FR-J	0.59	CS-B	1.43
* 1-1/2" (BallCorp)	NG-JJ7	48.45	GT-16	3.82	FR-J	0.59	CS-B	1.43
2"	NG-K7	56.44	GT-18	4.40	FR-M	0.71	CS-B	1.43
2" (BallCorp)	NG-KK7	60.78	GT-31	8.27	FR-R	0.93	CS-B	1.43
LEAD PIPE								
1/2" XS	NG-AAX	10.55	GT-1-5	0.92	FR-A-5	0.32	CS-A	0.71
1/2" XXS	NG-AAAX	17.81	GT-3	2.25	FR-D	0.32	CS-A	0.71
5/8" S	NG-BX	17.81	GT-3	2.25	FR-D	0.32	CS-A	0.71
5/8" XS	NG-BBX	17.32	GT-3	2.25	FR-D	0.32	CS-A	0.71
5/8" XXS	NG-BBBX	17.16	GT-5	1.23	FR-D	0.32	CS-A	0.71
3/4" S	NG-DX	17.16	GT-5	1.23	FR-D	0.32	CS-A	0.71
3/4" XS	NG-DDX	23.51	GT-39	2.40	FR-X	0.42	CS-A	0.71
3/4" XXS	NG-DDDX	22.16	GT-10	2.89	FR-F	0.42	CS-A	0.71
1" S	NG-FX	29.26	GT-12	2.79	FR-G	0.49	CS-A	0.71
1"XS	NG-FFX	28.92	GT-12	2.79	FR-G	0.49	CS-A	0.71
1" XXS	NG-FFFX	28.92	GT-13	2.66	FR-G	0.49	CS-A	0.71
1-1/4" S	NG-H7	30.89	GT-15	3.43	FR-H	0.62	CS-B	1.43
1-1/4" XS	NG-HX	31.51	GT-15-5	2.68	FR-H	0.62	CS-A	0.71
1-1/2" XS	NG-JX	57.34	GT-17	3.94	FR-K	0.65	CS-B	1.43
2" XS	NG-KX	99.05	GT-26	9.88	–	–	CS-B	1.43

The price of products, sold less nuts, will be adjusted to reflect additional handling and packaging charges. Call Customer Service for pricing.

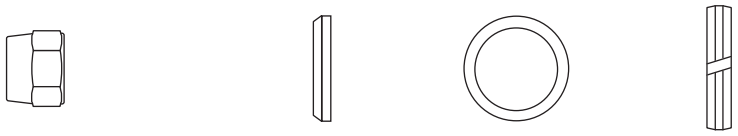
* All 1-1/2" PVC/IPS PE couplings, tees, ells, curb stops and flange valves will use a Ballcorp style Pack Joint nut, NG-JJ7.

** Some tees, ells, curb stops and flange valves require the Ballcorp style Pack Joint nut. See next page for listing of these products.

Products (other than BallCorps) that require BallCorp Pack Joint nuts or Grip Joint nuts

Catalog Number	Pack Joint Nut Number	Grip Joint Nut Number
FV43-666W-NL	NG-JJJ4	GJCN4-6
FV43-777W-NL	NG-KKK4	GJCN4-7
L44-77-NL	NG-K4	
T444-777-NL		
All 1-1/2" PVC/IPS PE	NG-JJ7	-

GRIP JOINT NUTS AND PARTS



Grip Joint Nut Size and Type	Nut, Gasket and Gripper Assembly Complete		Beveled Rubber Gasket Only		Nylon Washer		Gripper Ring Only	
	Catalog Number	Price	Catalog Number	Price	Catalog Number	Price	Catalog Number	Price
COPPER OR PLASTIC TUBING (CTS)								
3/4"	**GJN4-3 (bx. qty. 72)**	**$ 13.64**	**GT-1-5**	**$ 0.92**	**FG-AAT**	**$ 0.49**	**GJNGR4-3**	**$ 3.14**
1"	**GJN4-4**	**18.68**	**GT-5**	**1.23**	**FG-FFT**	**0.62**	**GJNGR4-4**	**3.28**
1" (Corp/BallCorp)	**GJCN4-4**	**22.27**	**GT-7**	**1.23**	**FG-GG**	**1.20**	**GJNGR4-4**	**3.28**
1-1/4"	**GJN6-4-GJN4-5**	**28.90**	**GT-10**	**2.89**	**FG-HH**	**1.54**	**GJNGR6-4**	**4.33**
1-1/4" (BallCorp)	**GJCN4-5**	**31.23**	**GT-10-5**	**3.95**	**FG-JJ**	**1.54**	**GJNGR6-4**	**4.33**
1-1/2"	**GJN4-6**	**39.91**	**GT-14**	**5.25**	**FG-RR**	**2.21**	**GJNGR4-6**	**6.79**
1-1/2" (BallCorp)	**GJCN4-6**	**54.33**	**GT-28**	**6.07**	**FG-SS**	**2.21**	**GJNGR4-6**	**6.79**
2"	**GJN4-7**	**55.18**	**GT-17**	**3.94**	**FG-TT**	**2.26**	**GJNGR4-7**	**8.34**
2" (BallCorp)	**GJCN4-7**	**65.78**	**GT-25**	**9.29**	**FG-VV**	**4.98**	**GJNGR4-7**	**8.34**
PE PIPE								
3/4"	**GJN6-3**	**19.02**	**GT-3**	**2.25**	**FG-FF**	**0.62**	**GJNGR6-3**	**3.28**
3/4" (Corp/BallCorp)	**GJCN6-3**	**19.57**	**GT-4**	**4.22**	**FG-GG**	**1.20**	**GJNGR6-3**	**3.28**
1"	**GJN6-4-GJN4-5**	**28.90**	**GT-10**	**2.89**	**FG-HH**	**1.54**	**GJNGR6-4**	**4.33**
1" (Corp/BallCorp)	**GJCN6-4**	**31.23**	**GT-10-5**	**3.95**	**FG-JJ**	**1.54**	**GJNGR6-4**	**4.33**

QUICK JOINT NUTS AND GASKETS



Quick Joint Nut Size and Type	Nut, Gasket & Gripper Assembly Complete		Gasket and Gripper Ring Assembly	
	Catalog Number	Price	Catalog Number	Price
COPPER OR PLASTIC TUBING (CTS)				
1/2"	**QJN4-1**	**$ 22.08**	**QJNGA4-1**	**$ 10.96**
5/8"	**QJN4-2**	**11.61**	**QJNGA4-2**	**5.25**
3/4"	**QJN4-3**	**16.17**	**QJNGA4-3**	**6.29**
1"	**QJN4-4**	**19.83**	**QJNGA4-4**	**7.55**
1-1/4"	**QJN4-5**	**32.49**	**QJNGA4-5**	**9.99**
1-1/2"	**QJN4-6**	**42.30**	**QJNGA4-6**	**16.10**
2"	**QJN4-7**	**58.47**	**QJNGA4-7**	**22.17**
PE PIPE				
3/4"	**QJN6-3**	**24.61**	**QJNGA6-3**	**7.28**
1"	**QJN6-4**	**32.49**	**QJNGA6-4**	**9.99**

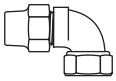
The price of products, sold less nuts, will be adjusted to reflect additional handling and packaging charges. Call Customer Service for pricing.

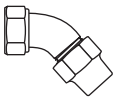
Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K tor Type L copper only.

FLARE COPPER COUPLINGS

FLARE COPPER TO FEMALE IRON PIPE THREAD

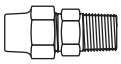


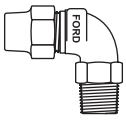




Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Flare Copper	Fem. Iron Pipe			
STRAIGHT COUPLINGS					
C21-11-NL	1/2"	1/2"	0.4	50	**$ 16.64**
C21-31-NL	3/4"	1/2"	0.5	25	**27.50**
C21-23-NL	5/8"	3/4"	0.5	25	**28.75**
C21-33-NL	3/4"	3/4"	0.7	20	**31.49**
C21-34-NL	3/4"	1"	0.9	20	**41.19**
C21-35-NL	3/4"	1-1/4"	0.9	15	**48.96**
C21-43-NL	1"	3/4"	0.9	20	**43.35**
C21-44-NL	1"	1"	1.0	12	**48.16**
C21-45-NL	1"	1-1/4"	1.1	12	**59.67**
C21-46-NL	1"	1-1/2"	1.5	10	**77.28**
C21-55-NL	1-1/4"	1-1/4"	1.7	8	**90.66**
C21-66-NL	1-1/2"	1-1/2"	2.6	4	**129.33**
C21-67-NL	1-1/2"	2"	3.4	4	**164.34**
C21-77-NL	2"	2"	4.9	3	**245.33**
C21-78-NL	2"	2-1/2"	6.4	-	**335.69**
ELL COUPLINGS					
L21-33-NL	3/4"	3/4"	1.0	16	**38.29**
L21-44-NL	1"	1"	1.5	8	**63.09**
L21-66-NL	1-1/2"	1-1/2"	3.7	4	**203.89**
L21-77-NL	2"	2"	6.2	1	**339.78**
EIGHTH BEND COUPLINGS					
LA21-33-NL	3/4"	3/4"	0.8	18	**43.82**
LA21-44-NL	1"	1"	1.4	10	**73.15**

FLARE COPPER TO MALE IRON PIPE THREAD



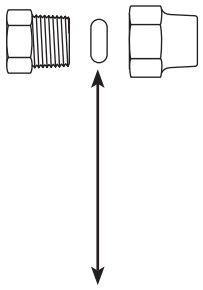


Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Flare Copper	Male Iron Pipe			
STRAIGHT COUPLINGS					
C28-11-NL	1/2"	1/2"	0.4	50	**$ 20.97**
C28-13-NL	1/2"	3/4"	0.4	36	**25.10**
C28-21-NL	5/8"	1/2"	0.5	-	**29.06**
C28-23-NL	5/8"	3/4"	0.6	30	**29.06**
C28-31-NL	3/4"	1/2"	0.6	25	**31.14**
C28-33-NL	3/4"	3/4"	0.7	20	**31.91**
C28-34-NL	3/4"	1"	0.7	20	**36.71**
C28-43-NL	1"	3/4"	0.9	15	**48.64**
C28-44-NL	1"	1"	1.1	10	**45.57**
C28-54-NL	1-1/4"	1"	1.4	8	**71.95**
C28-55-NL	1-1/4"	1-1/4"	1.6	6	**90.86**
C28-65-NL	1-1/2"	1-1/4"	2.6	4	**135.99**
C28-66-NL	1-1/2"	1-1/2"	2.8	4	**140.53**
C28-77-NL	2"	2"	4.8	-	**257.88**
ELL COUPLINGS					
L28-11-NL	1/2"	1/2"	0.5	-	**32.23**
L28-33-NL	3/4"	3/4"	0.8	16	**34.19**
* **L28-34-AWT-NL**	3/4"	1"	1.0	-	**50.50**
L28-43-NL	1"	3/4"	1.0	12	**47.88**
L28-44-NL	1"	1"	1.3	8	**56.72**
L28-66-NL	1-1/2"	1-1/2"	3.0	3	**203.12**
L28-77-NL	2"	2"	5.4	1	**346.28**

*This item is not one piece but is two adapter pieces assembled watertight.

FLARE COPPER TO FLARE COPPER (2 PART) COUPLINGS

(SUPPLIED WITH WEDDING RING)



Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Flare Copper	Flare Copper			
STRAIGHT COUPLINGS					
CS22-33-NL	3/4"	3/4"	0.6	25	**$ 35.54**
CS22-44-NL	1"	1"	0.8	15	**54.92**
CS22-55-NL	1-1/4"	1-1/4"	1.6	10	**99.79**
CS22-66-NL	1-1/2"	1-1/2"	2.5	6	**144.91**
CS22-77-NL	2"	2"	4.8	3	**256.13**

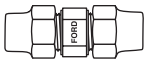
WEDDING RING ONLY (FOR 2 PART COUPLINGS)

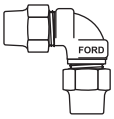


WEDDING RING

Catalog Number	Style and Coupling Application	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
WR-3-NL	3/4" for CS22-33-NL	0.0	200	**$ 6.89**
WR-4-NL	1" for CS22-44-NL	0.0	180	**7.99**
WR-5-NL	1-1/4" for CS22-55-NL	0.1	100	**9.95**
WR-6-NL	1-1/2" for CS22-66-NL	0.1	85	**12.69**
WR-7-NL	2" for CS22-77-NL	0.3	40	**24.28**

FLARE COPPER TO FLARE COPPER (3 PART) COUPLINGS

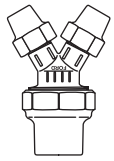




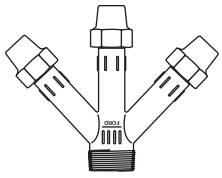
Catalog Number	Description		Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Flare Copper	Flare Copper			
STRAIGHT COUPLINGS					
C22-11-NL	1/2"	1/2"	0.6	30	**$ 26.37**
C22-12-NL	1/2"	5/8"	0.7	-	**34.92**
C22-13-NL	1/2"	3/4"	0.8	20	**34.70**
C22-22-NL	5/8"	5/8"	0.8	-	**39.50**
C22-23-NL	5/8"	3/4"	0.9	15	**42.90**
C22-33-NL	3/4"	3/4"	1.0	14	**40.33**
C22-34-NL	3/4"	1"	1.2	12	**59.67**
C22-44-NL	1"	1"	1.7	6	**70.56**
C22-55-NL	1-1/4"	1-1/4"	2.7	4	**144.76**
C22-66-NL	1-1/2"	1-1/2"	4.0	7	**211.85**
C22-77-NL	2"	2"	7.4	1	**345.61**
ELL COUPLINGS					
L22-33-NL	3/4"	3/4"	1.0	14	**42.93**
L22-34-NL	3/4"	1"	1.2	10	**61.77**
L22-44-NL	1"	1"	1.7	8	**71.57**
L22-66-NL	1-1/2"	1-1/2"	4.0	2	**301.28**
L22-77-NL	2"	2"	7.4	2	**415.22**

FLARE "Y" BRANCH CONNECTIONS

(PACK JOINT "Y" BRANCH CONNECTIONS ARE LISTED ON PAGE J-13)



Y22-247-NL



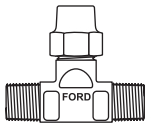
Y28-347-NL

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Multi-Branch End	x	Single Branch End			
TWO BRANCH CONNECTIONS						
Y21-246-NL	Two 1" Flare Cop Conns.	x	1-1/2" Female Iron Pipe	3.2	2	**$ 229.04**
Y21-247-NL	Two 1" Flare Cop Conns.	x	2" Female Iron Pipe	3.9	2	**276.65**
Y22-243-NL	Two 3/4" Flare Cop Conns.	x	1" Flare Copper	1.8	5	**87.05**
Y22-246-NL	Two 1" Flare Cop Conns.	x	1-1/2" Flare Copper	4.2	2	**249.05**
Y22-247-NL	Two 1" Flare Cop Conns.	x	2" Flare Copper	5.8	4	**318.96**
Y28-234-NL	Two 3/4" Flare Cop Conns.	x	1" Male Iron Pipe	1.3	8	**77.91**
Y28-246-NL	Two 1" Flare Cop Conns.	x	1-1/2" Male Iron Pipe	2.7	4	**212.61**
Y28-247-NL	Two 1" Flare Cop Conns.	x	2" Male Iron Pipe	2.8	2	**204.72**
Y88-247-NL	Two 1" Male Iron Pipe	x	2" Male Iron Pipe	1.6	4	**181.22**
THREE BRANCH CONNECTIONS						
Y21-347-NL	Three 1" Flare Cop Conns.	x	2" Female Iron Pipe	5.5	5	**369.79**
Y22-346-NL	Three 1" Flare Cop Conns.	x	1-1/2" Flare Copper	6.5	5	**448.69**
Y22-347-NL	Three 1" Flare Cop Conns.	x	2" Flare Copper	8.4	5	**556.21**
Y28-346-NL	Three 1" Flare Cop Conns.	x	1-1/2" Male Iron Pipe	5.0	4	**372.59**
Y28-347-NL	Three 1" Flare Cop Conns.	x	2" Male Iron Pipe	5.0	5	**357.45**

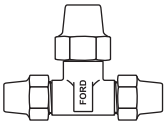
J

SERVICE TEES

(PACK JOINT TEES ARE LISTED ON PAGES J-12 & J-13)



T882-333-NL

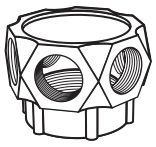


T222-334-NL

	Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
		Both Ends (Run)	x	Outlet Side			
	T111-333-NL	3/4" Female Iron Pipe	x	3/4" Female Iron Pipe	0.7	-	**$ 43.96**
	T111-444-NL	1" Female Iron Pipe	x	1" Female Iron Pipe	1.1	9	**62.66**
	T111-777-NL	2" FIP to 2" FIP	x	2" Female Iron PIpe	3.6	-	**300.08**
	T181-333-NL	3/4" FIP to 3/4" MIP	x	3/4" Female Iron Pipe	0.6	-	**43.96**
	T181-664-NL	1-1/2" FIP to 1-1/2" MIP	x	1" Female Iron Pipe	2.1	-	**123.90**
	T181-774-NL	2" FIP to 2" MIP	x	1" Female Iron Pipe	2.3	4	**141.31**
	T222-113-NL	1/2" Flare Copper	x	3/4" Flare Copper	1.1	-	**60.30**
	T222-333-NL	3/4" Flare Copper	x	3/4" Flare Copper	1.6	8	**75.62**
	T222-334-NL	3/4" Flare Copper	x	1" Flare Copper	1.8	5	**90.49**
	T222-443-NL	1" Flare Copper	x	3/4" Flare Copper	2.2	6	**101.80**
	T222-444-NL	1" Flare Copper	x	1" Flare Copper	2.6	4	**127.01**
	T222-445-NL	1" Flare Copper	x	1-1/4" Flare Copper	2.6	-	**150.34**
	T222-664-NL	1-1/2" Flare Copper	x	1" Flare Copper	5.2	5	**298.25**
	T222-666-NL	1-1/2" Flare Copper	x	1-1/2" Flare Copper	6.9	4	**331.61**
*	**T222-774-AWT-NL**	2" Flare Copper	x	1" Flare Copper	13.0	2	**761.25**
	T222-777-NL	2" Flare Copper	x	2" Flare Copper	12.3	3	**622.14**
	T228-333-NL	3/4" Flare Copper	x	3/4" Male Iron Pipe	1.3	8	**69.03**
	T228-334-NL	3/4" Flare Copper	x	1" Male Iron Pipe	1.3	-	**75.41**
	T228-444-NL	1" Flare Copper	x	1" Male Iron Pipe	2.0	5	**111.48**
	T282-333-NL	3/4" Fl. Cop. to 3/4" MIP	x	3/4" Flare Copper	1.3	-	**60.70**
	T282-334-NL	3/4" Fl. Cop. to 3/4" MIP	x	1" Flare Copper	1.8	-	**78.65**
	T282-444-NL	1" Fl. Cop. to 1" MIP	x	1" Flare Copper	2.4	-	**109.68**
	T882-333-NL	3/4" Male Iron Pipe	x	3/4" Flare Copper	0.9	-	**57.38**
	T882-334-NL	3/4" Male Iron Pipe	x	1" Flare Copper	1.2	10	**75.62**
	T882-444-NL	1" Male Iron Pipe	x	1" Flare Copper	1.5	-	**105.07**
	T888-333-NL	3/4" Male Iron Pipe	x	3/4" Male Iron Pipe	0.6	20	**43.96**
	T888-334-NL	3/4" Male Iron Pipe	x	1" Male Iron Pipe	0.6	10	**53.24**
	T888-444-NL	1" Male Iron Pipe	x	1" Male Iron Pipe	0.8	10	**68.79**
	T888-445-NL	1" Male Iron Pipe	x	1-1/4" Male Iron Pipe	1.0	9	**76.46**
	T888-777-NL	2" Male Iron Pipe	x	2" Male Iron Pipe	4.0	-	**300.08**

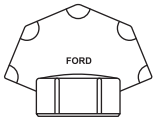
* This item is manufactured from two castings assembled watertight.

MULTI-SERVICE TEE



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Single Inlet	x	Multi-Outlet			
T11-663-NL	1-1/2" Female Iron Pipe	x	Six 3/4" Female Iron Pipe	1.6	5	**$ 131.78**
T11-674-NL	2" Female Iron Pipe	x	Six 1" Female Iron Pipe	3.0	4	**153.54**

MULTI-SERVICE "Y"



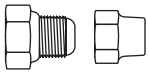
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
	Single Inlet	x	Multi-Outlet			
Y11-474-NL	2" Female Iron Pipe	x	Four 1" Female Iron Pipe	3.2	3	**$ 176.33**

ADAPTERS FOR FLARE COPPER CONNECTIONS
(REPLACES COPPER FLARE NUT)

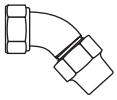












Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
COPPER TUBE NUTS WITH MALE IRON PIPE THREADS						
C08-33-NL	3/4" Female Copper Thread	x	3/4" Male Iron Pipe	0.3	40	**$ 20.58**
C08-43-NL	1" Female Copper Thread	x	3/4" Male Iron Pipe	0.5	20	**37.23**
C08-44-NL	1" Female Copper Thread	x	1" Male Iron Pipe	0.6	20	**36.06**
C08-45-NL	1" Female Copper Thread	x	1-1/4" Male Iron Pipe	0.7	14	**89.39**
C08-66-NL	1-1/2" Female Copper Thread	x	1-1/2" Male Iron Pipe	1.5	6	**78.22**
C08-77-NL	2" Female Copper Thread	x	2" Male Iron Pipe	2.8	3	**132.99**
COPPER TUBE NUTS WITH FEMALE IRON PIPE THREAD CONNECTIONS						
C01-11-NL	1/2" Female Copper Thread	x	1/2" Female Iron Pipe	0.4	42	**22.18**
C01-13-NL	1/2" Female Copper Thread	x	3/4" Female Iron Pipe	0.4	44	**26.07**
C01-33-NL	3/4" Female Copper Thread	x	3/4" Female Iron Pipe	0.4	40	**26.07**
C01-34-NL	3/4" Female Copper Thread	x	1" Female Iron Pipe	0.7	25	**43.62**
C01-43-NL	1" Female Copper Thread	x	3/4" Female Iron Pipe	0.6	15	**51.34**
C01-44-NL	1" Female Copper Thread	x	1" Female Iron Pipe	0.8	15	**44.03**
C01-55-NL	1-1/4" Female Copper Thread	x	1-1/4" Female Iron Pipe	1.0	10	**68.72**
C01-65-NL	1-1/2" Female Copper Thread	x	1-1/4" Female Iron Pipe	1.8	6	**108.00**
C01-66-NL	1-1/2" Female Copper Thread	x	1-1/2" Female Iron Pipe	1.4	8	**93.64**
C01-67-NL	1-1/2" Female Copper Thread	x	2" Female Iron Pipe	1.6	5	**106.49**
C01-75-NL	2" Female Copper Thread	x	1-1/4" Female Iron Pipe	2.7	-	**191.03**
C01-77-NL	2" Female Copper Thread	x	2" Female Iron Pipe	2.5	3	**160.55**
PIGGY BACK NUTS AND INCREASERS						
C02-23-NL	5/8" Female Copper Thread	x	3/4" Flare Copper	0.7	25	**36.37**
C02-31-NL	3/4" Female Copper Thread	x	1/2" Flare Copper	0.5	30	**26.63**
C02-32-NL	3/4" Female Copper Thread	x	5/8" Flare Copper	0.5	25	**31.15**
C02-33-NL	3/4" Female Copper Thread	x	3/4" Flare Copper	0.6	20	**50.28**
C02-34-NL	3/4" Female Copper Thread	x	1" Flare Copper (with nut)	0.9	15	**48.27**
C02-43-NL	1" Female Copper Thread	x	3/4" Flare Copper	0.9	15	**47.80**
C02-44-NL	1" Female Copper Thread	x	1" Flare Copper	1.1	12	**68.98**
C02-45-NL	1" Female Copper Thread	x	1-1/4" Flare Copper	1.7	9	**103.65**
C02-54-NL	1-1/4" Female Copper Thread	x	1" Flare Copper	1.3	10	**85.46**
C02-64-NL	1-1/2" Female Copper Thread	x	1" Flare Copper	1.8	5	**144.76**
C02-65-NL	1-1/2" Female Copper Thread	x	1-1/4" Flare Copper	2.4	8	**167.55**
C02-74-NL	2" Female Copper Thread	x	1" Flare Copper	2.8	3	**205.55**
C02-75-NL	2" Female Copper Thread	x	1-1/4" Flare Copper	3.8	4	**249.47**
C02-76-NL	2" Female Copper Thread	x	1-1/2" Flare Copper	4.1	2	**270.15**
ELL COUPLINGS						
L02-33-NL	3/4" Female Copper Thread	x	3/4" Flare Copper	0.9	15	**47.44**
L02-33S-NL	3/4" Female Copper Thread Swivel	x	3/4" Flare Copper	1.1	14	**63.31**
L02-44-NL	1" Female Copper Thread	x	1" Flare Copper	1.5	8	**75.57**
L02-44S-NL	1" Female Copper Thread Swivel	x	1" Flare Copper	1.6	8	**89.39**
L02-66-NL	1-1/2" Female Copper Thread	x	1-1/2" Flare Copper	3.6	2	**239.40**
L02-66S-NL	1-1/2" Female Copper Thread Swivel	x	1-1/2" Flare Copper	4.4	2	**261.68**
L02-77-NL	2" Female Copper Thread	x	2" Flare Copper	6.7	1	**448.17**
L02-77S-NL	2" Female Copper Thread Swivel	x	2" Flare Copper	7.9	1	**458.52**
EIGHTH BEND COUPLINGS						
LA02-33-NL	3/4" Female Copper Thread	x	3/4" Flare Copper	0.9	18	**44.45**
LA02-33S-NL	3/4" Female Copper Thread Swivel	x	3/4" Flare Copper	1.1	18	**57.07**
LA02-44-NL	1" Female Copper Thread	x	1" Flare Copper	1.5	10	**65.46**
LA02-44S-NL	1" Female Copper Thread Swivel	x	1" Flare Copper	1.6	10	**77.85**
LA02-66-NL	1-1/2" Female Copper Thread	x	1-1/2" Flare Copper	3.6	2	**207.27**
LA02-66S-NL	1-1/2" Female Copper Thread Swivel	x	1-1/2" Flare Copper	4.4	2	**352.61**
LA02-77-NL	2" Female Copper Thread	x	2" Flare Copper	6.7	3	**382.86**
LA02-77S-NL	2" Female Copper Thread Swivel	x	2" Flare Copper	7.9	1	**499.14**

Note: Copper gaskets are included with 3/4"-2" female copper thread sizes.

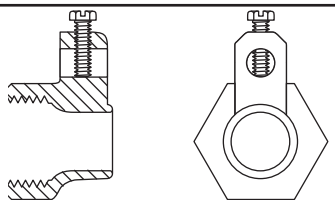
"Less Nut" can be ordered by inserting "-LN" into the catalog number. Example: C02-44-LN-NL

COPPER TUBE NUTS FOR FLARE CONNECTIONS



Catalog Number	Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
CTN-1	1/2"	0.2	-	**$ 5.40**
CTN-2	5/8"	0.2	-	**8.51**
CTN-3	3/4"	0.3	40	**8.87**
CTN-4	1"	0.4	16	**14.68**
CTN-5	1-1/4"	0.7	10	**23.57**
CTN-6	1-1/2"	1.1	7	**40.99**
CTN-7	2"	2.1	3	**76.39**

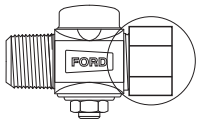
THAW WIRE COPPER TUBE NUTS FOR FLARE COPPER CONNECTIONS



These nuts have a lug attachment for connecting an electric thawing wire.

Catalog Number	Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
CTN-3-THW	3/4"	0.4	35	**$ 23.25**
CTN-4-THW	1"	0.7	15	**29.05**

BRASS END CAPS - TO CAP OFF A CORPORATION STOP OR COUPLING

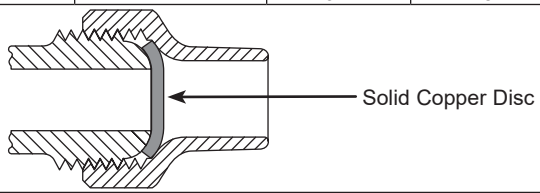


Catalog Number	Valve Size	Type of Corporation Stops/Couplings	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
CAP-24-3-NL	3/4"	Flare Copper Corp & CTS Compression Corps	0.3	72	**$ 57.34**
CAP-2-4-NL	1"	Flare Copper Corp & CTS Compression Corps *- Also fits 3/4" PEP Corp & 3/4" PVC/IPS PE Corp*	0.5	32	**92.72**
CAP-4-4-NL	1"	CTS Pack Joint Coupling & CTS Grip Joint Coupling	0.6	32	**92.72**
CAP-2-5-NL	1-1/4"	Flare Copper Corp & CTS Compression Corp (excluding Quick Joint) *- Also fits 1" PEP Corp & 1" PVC/IPS PE Corp*	0.7	24	**107.13**
CAP-4-5-Q-NL	1-1/4"	CTS Quick Joint Corp	0.8	34	**107.13**
CAP-4-5-NL	1-1/4"	CTS Pack Joint Corp & CTS Grip Joint Coupling - *Also fits 1" PEP Cplg*	0.9	24	**107.13**
CAP-2-6-NL	1-1/2"	Flare Copper Corp, CTS Compression Corp (excluding Quick Joint) & PVC/IPS PE Coupling	1.0	20	**137.83**
CAP-4-6-Q-NL	1-1/2"	CTS Quick Joint Corp	1.0	18	**137.83**
CAP-2-7-NL	2"	Flare Copper Corp, CTS Compression Corp (excluding Quick Joint) & PVC/IPS PE Corp -*Also fits 2-1/2"CTS Pack & Grip Cplg and 1-1/2" and 2" Corp*	1.6	9	**181.42**
CAP-4-7-Q-NL	2"	CTS Quick Joint Corp	1.7	12	**181.42**
CAP-4-7-NL	2"	CTS Pack Joint Coupling & CTS Grip Joint Coupling - *Also fits 1-1/2" PEP Pack Joint (IDR7) Coupling*	2.5	12	**181.42**

SOLID COPPER DISCS TO PLUG SERVICE AT FLARE COPPER CONNECTIONS



Catalog Number	Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
DISC-2	5/8"	0.1	100	**$ 4.04**
DISC-3	3/4"	0.1	100	**3.33**
DISC-4	1"	0.1	100	**4.40**
DISC-5	1-1/4"	0.1	25	**6.56**
DISC-6	1-1/2"	0.1	25	**10.86**
DISC-7	2"	0.2	25	**12.06**

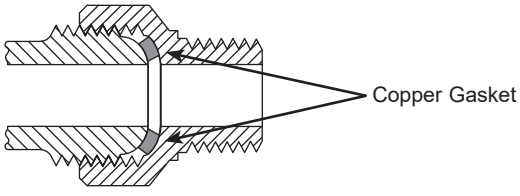


COPPER GASKETS FOR FLARE COPPER CONNECTIONS

(for adapters that replace flare copper tube nut)

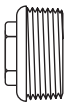


Catalog Number	Size	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
SLC-3	3/4"	0.1	100	**$ 3.00**
SLC-4	1"	0.1	100	**4.26**
SLC-5	1-1/4"	0.1	500	**4.84**
SLC-6	1-1/2"	0.1	200	**6.86**
SLC-7	2"	0.1	-	**8.66**



BRASS BUSHINGS*

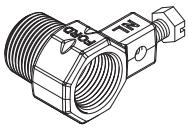

C18-34-NL


C18-37-NL

Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
C18-13-NL	1/2" Female Iron Pipe	x	3/4" Male Iron Pipe	0.1	100	**$ 8.95**
C18-14-NL	1/2" Female Iron Pipe	x	1" Male Iron Pipe	0.3	60	**14.12**
C18-31-NL	3/4" Female Iron Pipe	x	1/2" Male Iron Pipe	0.4	30	**11.12**
C18-34-NL	3/4" Female Iron Pipe	x	1" Male Iron Pipe	0.2	60	**11.12**
C18-35-NL	3/4" Female Iron Pipe	x	1-1/4" Male Iron Pipe	0.4	35	**26.63**
C18-36-NL	3/4" Female Iron Pipe	x	1-1/2" Male Iron Pipe	0.8	20	**45.04**
C18-37-NL	3/4" Female Iron Pipe	x	2" Male Iron Pipe	0.7	16	**46.94**
C18-43-NL	1" Female Iron Pipe	x	3/4" Male Iron Pipe	0.3	40	**20.48**
C18-45-NL	1" Female Iron Pipe	x	1-1/4" Male Iron Pipe	0.4	35	**21.44**
C18-46-NL	1" Female Iron Pipe	x	1-1/2" Male Iron Pipe	0.7	20	**45.04**
C18-47-NL	1" Female Iron Pipe	x	2" Male Iron Pipe	0.6	16	**43.47**
C18-54-NL	1-1/4" Female Iron Pipe	x	1" Male Iron Pipe	0.5	14	**41.00**
C18-56-NL	1-1/4" Female Iron Pipe	x	1-1/2" Male Iron Pipe	0.5	20	**31.04**
C18-57-NL	1-1/4" Female Iron Pipe	x	2" Male Iron Pipe	1.2	10	**76.63**
C18-67-NL	1-1/2" Female Iron Pipe	x	2" Male Iron Pipe	0.7	15	**43.35**
C18-76-NL	2" Female Iron Pipe	x	1-1/2" Male Iron Pipe	1.7	6	**133.55**
C18-78-NL	2" Female Iron Pipe	x	2-1/2" Male Iron Pipe	1.5	6	**69.54**

* Also commonly referred to as a coupling (increasing or decreasing) for waterworks applications.

BRASS COUPLINGS SIZE-ON-SIZE WITH TRACER WIRE TERMINAL

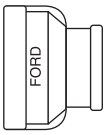


Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
C18-33-TW-NL	3/4" Female Iron Pipe	x	3/4" Male Iron Pipe	0.4	-	**$ 31.21**
C18-44-TW-NL	1" Female Iron Pipe	x	1" Male Iron Pipe	0.5	-	**51.71**

BRASS UNIONS

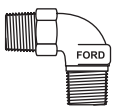
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
UNION-3-NL	3/4" Female Iron Pipe	x	3/4" Female Iron Pipe	0.7	25	**$ 50.52**
UNION-4-NL	1" Female Iron Pipe	x	1" Female Iron Pipe	1.2	12	**92.70**

COUPLINGS AND REDUCING COUPLINGS



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
C11-33-NL	3/4" Female Iron Pipe	x	3/4" Female Iron Pipe	0.3	28	**$ 25.32**
C11-43-NL	1" Female Iron Pipe	x	3/4" Female Iron Pipe	0.4	24	**28.72**
C11-44-NL	1" Female Iron Pipe	x	1" Female Iron Pipe	0.5	1	**32.13**
C11-54-NL	1-1/4" Female Iron Pipe	x	1" Female Iron Pipe	0.6	20	**32.13**
C11-64-NL	1-1/2" Female Iron Pipe	x	1" Female Iron Pipe	0.7	15	**45.82**
C11-66-NL	1-1/2" Female Iron Pipe	x	1-1/2" Female Iron Pipe	1.4	9	**60.74**
C11-74-NL	2" Female Iron Pipe	x	1" Female Iron Pipe	1.5	8	**93.75**
C11-75-NL	2" Female Iron Pipe	x	1-1/4" Female Iron Pipe	1.4	8	**78.42**
C11-87-NL	2-1/2" Female Iron Pipe	x	2" Female Iron Pipe	3.6	8	**238.74**
C88-45-NL	1-1/4" Male Iron Pipe	x	1" Male Iron Pipe	0.6	24	**51.87**

ELL COUPLINGS

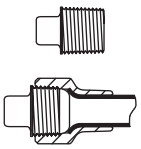


Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
L18-33-NL	3/4" Female Iron Pipe	x	3/4" Male Iron Pipe	0.5	18	**$ 27.66**
L18-44-NL	1" Female Iron Pipe	x	1" Male Iron Pipe	0.7	12	**73.35**
L18-76S-NL	2" Female Iron Pipe (swivel nut)	x	1-1/2" Male Iron Pipe	3.0	4	**191.71**
L18-87S-NL	2-1/2" Female Iron Pipe (swivel nut)	x	2" Male Iron Pipe	3.9	2	**372.12**
L88-33-NL	3/4" Male Iron Pipe	x	3/4" Male Iron Pipe	0.4	30	**26.73**
L88-77-NL	2" Male Iron Pipe	x	2" Male Iron Pipe	2.4	4	**230.05**

EIGHTH BEND COUPLINGS

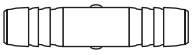
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
LA81-44-NL	1" Male Iron Pipe	x	1" Female Iron Pipe	0.9	15	**$ 66.67**

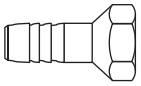
BRASS SERVICE PLUGS

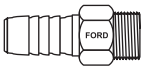


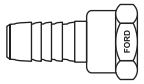
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
Pipe Plugs						
CSP-3-I-NL	3/4" Male Iron Pipe Thread	x	Square Wrench Head	0.2	100	**$ 17.28**
CSP-4-I-NL	1" Male Iron Pipe Thread	x	Square Wrench Head	0.3	50	**27.56**
CSP-6-I-NL	1-1/2" Male Iron Pipe Thread	x	Square Wrench Head	0.4	-	**63.60**
Flare Copper Service Plugs						
CSP-3-NL	Male Cop. Thrd. for 3/4" CTN	x	Square Wrench Head	0.2	50	**17.78**
CSP-4-NL	Male Cop. Thrd. for 1" CTN	x	Square Wrench Head	0.5	35	**28.49**

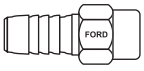
* STRAIGHT RIBBED INSERT FITTINGS FOR (SIDR7) PE PLASTIC PIPE

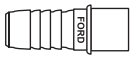












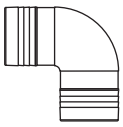
Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
BOTH ENDS RIBBED INSERT FOR PE PIPE						
PTP-1-NL	3/4" PE Pipe	x	3/4" PE Pipe	0.3	60	**$ 24.31**
PTP-21-NL	3/4" PE Pipe	x	1" PE Pipe	0.4	40	**33.67**
PTP-2-NL	1" PE Pipe	x	1" PE Pipe	0.4	35	**32.45**
PTP-3-NL	1-1/4" PE Pipe	x	1-1/4" PE Pipe	0.5	25	**43.29**
PTP-32-NL	1-1/4" PE Pipe	x	1" PE Pipe	0.5	25	**45.82**
PTP-4-NL	1-1/2" PE Pipe	x	1-1/2" PE Pipe	0.8	12	**63.80**
PTP-5-NL	2" PE Pipe	x	2" PE Pipe	1.0	9	**80.11**
FEMALE COPPER THREAD TO RIBBED INSERT FOR PE PIPE						
PTC-1-NL	3/4" Female Cop. Thrd.	x	3/4" PE Pipe	0.4	25	**24.63**
PTC-21-NL	3/4" Female Cop. Thrd.	x	1" PE Pipe	0.4	25	**26.95**
PTC-2-NL	1" Female Cop. Thrd.	x	1" PE Pipe	0.7	20	**44.33**
PTC-4-NL	1-1/2" Female Cop. Thrd.	x	1-1/2" PE Pipe	1.3	8	**96.91**
PTC-5-NL	2" Female Cop. Thrd.	x	2" PE Pipe	2.7	3	**166.11**
MALE IRON PIPE THREAD TO RIBBED INSERT FOR PE PIPE						
PTM-1-NL	3/4" Male Iron Pipe	x	3/4" PE Pipe	0.3	45	**20.26**
PTM-21-NL	3/4" Male Iron Pipe	x	1" PE Pipe	0.4	36	**28.26**
PTM-2-NL	1" Male Iron Pipe	x	1" PE Pipe	0.5	25	**33.22**
PTM-3-NL	1-1/4" Male Iron Pipe	x	1-1/4" PE Pipe	0.7	18	**55.14**
PTM-4-NL	1-1/2" Male Iron Pipe	x	1-1/2" PE Pipe	0.9	12	**53.57**
PTM-5-NL	2" Male Iron Pipe	x	2" PE Pipe	1.1	8	**56.71**
FEMALE IRON PIPE THREAD TO RIBBED INSERT FOR PE PIPE						
PTF-1-NL	3/4" Female Iron Pipe	x	3/4" PE Pipe	0.5	30	**30.28**
PTF-21-NL	3/4" Female Iron Pipe	x	1" PE Pipe	0.5	25	**31.99**
PTF-2-NL	1" Female Iron Pipe	x	1" PE Pipe	0.5	25	**33.77**
SOLDER SOCKET FOR COPPER TO RIBBED INSERT FOR PE PIPE						
❍ **PTSS-1-NL**	3/4" Solder Socket for Cop.	x	3/4" PE Pipe	0.3	-	**27.31**
❍ **PTSS-2-NL**	1" Solder Socket for Cop.	x	1" PE Pipe	0.5	25	**32.79**
❍ **PTSS-3-NL**	1-1/4" Solder Socket for Cop.	x	1-1/4" PE Pipe	0.8	-	**54.76**
SOLDER NOSE FOR COPPER TO RIBBED INSERT FOR PE PIPE						
❍ **PTS-1-NL**	3/4" Solder Nose for Cop.	x	3/4" PE Pipe	0.2	80	**23.67**
❍ **PTS-2-NL**	1" Solder Nose for Cop.	x	1" PE Pipe	0.4	50	**29.11**
❍ **PTS-3-NL**	1-1/4" Solder Nose for Cop.	x	1-1/4" PE Pipe	0.8	-	**56.76**

❍ **Attention:** Special solder and procedures are required for best results. Contact factory or see website for installation instructions.

* For use, specifically, with stainless steel screw-type clamps.

J

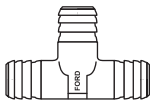
* ELL RIBBED INSERT FITTINGS FOR (SIDR7) PE PLASTIC PIPE



Catalog Number	Description			Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
BOTH ENDS RIBBED INSERT FOR PE PIPE						
PTPL-4-NL	1-1/2" PE Pipe	x	1-1/2" PE Pipe	1.0	6	**$ 81.30**
PTPL-5-NL	2" PE Pipe	x	2" PE Pipe	1.5	6	**125.71**

* For use, specifically, with stainless steel screw-type clamps.

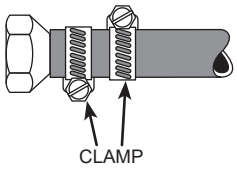
* SERVICE TEE RIBBED INSERT FITTING FOR 1" (SIDR7) PE PLASTIC PIPE



Catalog Number	Description	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
PTPT-2-NL	1" PE Pipe x 1" PE Pipe x 1" PE Pipe	0.6	18	**$ 76.00**

* For use, specifically, with stainless steel screw-type clamps.

STAINLESS STEEL SCREW-TYPE CLAMPS FOR PE (SIDR7) PLASTIC PIPE



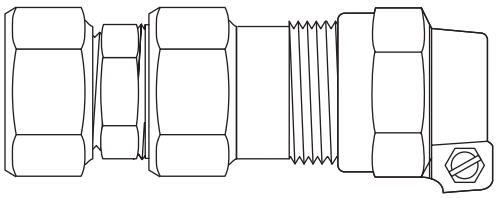
Catalog Number	Description	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
CLAMP-16	For 3/4" PE Pipe	0.1	100	**$ 7.23**
CLAMP-20	For 1" PE Pipe	0.1	75	**7.23**
CLAMP-24	For 1-1/4" PE Pipe	0.1	70	**7.23**
CLAMP-32	For 1-1/2" PE Pipe	0.1	40	**7.23**
CLAMP-40	For 2" PE Pipe	0.1	35	**7.23**

FLARE NUTS FOR (SIDR7) PE PIPE (REPLACES COPPER FLARE NUT)



Catalog Number	Description	Approx. Wt. Lbs.	Std. Pkg. Qty.	List Price
FPN-3	For 3/4" PE Pipe	0.3	35	**$ 19.17**
FPN-4	For 1" PE Pipe	0.6	-	**30.02**

SERVICE INSULATOR COUPLINGS



Catalog Number	Description	Components	List Price
SI-C02-33-AWT-NL	3/4" Female Copper Thread x 3/4" Flare Copper	C08-33-NL/DB-34/C21-34-NL AWT	**$ 85.86**
♦SI-C04-44-AWT-NL	1" Female Copper Thread x 1" Pack Joint (CTS)	C08-44-NL/DB-45/C14-54-NL AWT	**118.65**
♦SI-C04-66-AWT-NL	1-1/2" Female Copper Thread x 1-1/2" Pack Joint (CTS)	C08-66-NL/DB-67/C14-76-NL AWT	**282.13**
♦SI-C04-77-AWT-NL	2" Female Copper Thread x 2" Pack Joint (CTS)	C08-77-NL/DB-78/C14-87-NL AWT	**463.18**
SI-C22-33-AWT-NL	3/4" Flare Copper x 3/4" Flare Copper	C21-34-NL/DB-34/C28-33-NL AWT	**95.13**
SI-C22-44-AWT-NL	1" Flare Copper x 1" Flare Copper	C21-45-NL/DB-45/C28-44-NL AWT	**134.58**
♦SI-C44-33-AWT-NL	3/4" Pack Joint (CTS) x 3/4" Pack Joint (CTS)	C14-43-NL/DB-34/C84-33-NL AWT	**102.73**
♦SI-C44-44-AWT-NL	1" Pack Joint (CTS) x 1" Pack Joint (CTS)	C84-44-NL/DB-45/PJA4-44-C14-54-NL AWT	**125.07**
♦SI-C44-55-AWT-NL	1-1/4" Pack Joint (CTS) x 1-1/4" Pack Joint (CTS)	C84-55-NL/DB-56/C21-66-LN-NL/C01-65-NL/C84-55-NL AWT	**411.64**
SI-C44-66-AWT-NL	1-1/2" Pack Joint (CTS) x 1-1/2" Pack Joint (CTS)	C84-66-NL/DB-67/C14-76-NL AWT	**312.12**
SI-C44-77-AWT-NL	2" Pack Joint (CTS) x 2" Pack Joint (CTS)	C84-77-NL/DB-78/C14-87-NL AWT	**483.11**
SI-C44-77-AWT-Q-NL	2" Quick Joint (CTS) x 2" Quick Joint (CTS)	C84-77-Q-NL/DB-78/C14-87-Q-NL AWT	**483.11**
SI-C77-44-AWT-NL	1" Pack Joint (PVC/IPS PE) x 1" Pack Joint (PVC/IPS PE)	C17-54-NL/DB45/C87-44-NL AWT	**167.69**

Note: These products are manufactured from components assembled watertight.

Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: SI-C04-44-AWT-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: SI-C04-44-AWT-Q-NL

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K tor Type L copper only.

J

FORD METER BOX TESTING EQUIPMENT
SECTION K

Ford Test Bench Numbering System

TYPE OF TEST BENCH
STB = Standard Test Bench
ITB = Indianapolis Test Bench
SATB = Akron Test Bench for Up to 17" Long Meters
LATB = Akron Test Bench for Up to 21" Long Meters

1 1 0 I T B - D R - L R - AMSII

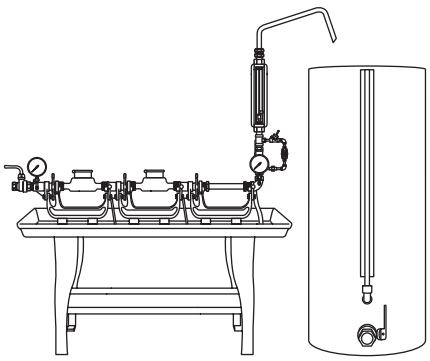
NUMBER OF TEST UNITS
1 = 1 for Standard or Akron
2 = 2 for Standard or Akron
3 = 3 for Standard or Akron
4 = 4 for Standard or Akron
5 = 5 for Standard
6 = 6 for Standard
7 = 7 for Standard
8 = 8 for Standard
16 = 16 for Double Row Standard
20 = 20 for Double Row Standard
110 = 10 for Indianapolis
112 = 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)

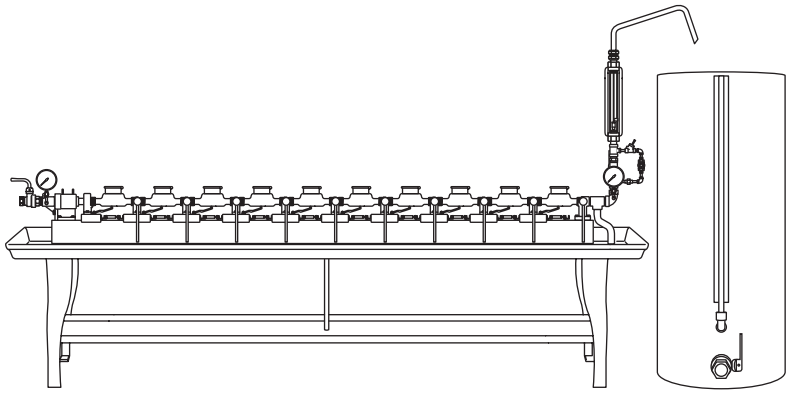
DIRECTION OF FLOW
LR = Left to Right
RL= Right to Left

OPTIONS
AMSII = Automated Measuring System
ASC = Auto-Stop
RSC = Recirculating Water System (includes AMS)

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



Standard Test Bench
(with manual clamping)



Indianapolis Test Bench
(with hydraulic clamping)

Note: Items in this catalog section are not returnable and are subject to cancellation charges. Test benches and tanks are manufactured per order; they are not stocked items.

STANDARD TEST BENCHES
(for 5/8" through 1" meters)

Catalog Number		Description			Approx. Ship Wt. Lbs.	List Price	AMS List Price
Flow Left to Right	Flow Right to Left	Number of Units	Length of Pan	Width of Pan			
1STB-LR	**1STB-RL**	1	22"	14"	184.9	**$ 10825.92**	**P.O.A.**
2STB-LR	**2STB-RL**	2	38"	16-1/2"	164.6	**12800.53**	**P.O.A.**
3STB-LR	**3STB-RL**	3	54"	16-1/2"	208.3	**14703.09**	**P.O.A.**
4STB-LR	**4STB-RL**	4	70"	16-1/2"	253.1	**16088.32**	**P.O.A.**
5STB-LR	**5STB-RL**	5	86"	16-1/2"	305.6	**17484.76**	**P.O.A.**
6STB-LR	**6STB-RL**	6	102"	16-1/2"	344.6	**19463.40**	**P.O.A.**
8STB-LR	**8STB-RL**	8	134"	16-1/2"	430.3	**23314.22**	**P.O.A.**
Double Row Standard Test Bench							
8STB-DR-LR	**8STB-DR-RL**	8	76"	20"	700.0	**27790.96**	**P.O.A.**
16STB-DR-LR	**16STB-DR-RL**	16	140"	20"	673.3	**37249.90**	**P.O.A.**

Standard Test Benches include the following: Adapters and gaskets for 5/8", 5/8" x 3/4", 3/4" and 1" meters, ball valve at inlet and outlet, testerate indicator, pressure gauges at inlet and outlet, bleeder or adjusting valve at outlet of each unit, a drain valve at bench outlet, 18" copper swinging discharge pipe at outlet, and idlers for all but one meter testing station.

Note: Tester clamp for Standard Bench. Catalog number: **TC** . . . . . **$ 1490.52**

INDIANAPOLIS STYLE TEST BENCHES
(for 5/8" through 1" meters)

Catalog Number		Description			Approx. Ship Wt. Lbs.	List Price	AMS List Price
Flow Left to Right	Flow Right to Left	Number of Units	Length of Pan	Width of Pan		Manual Bench	
Single Row Indianapolis Test Benches							
110ITB-LR	**110ITB-RL**	10	102"	16-1/2"	650.0	**$ 36593.64**	**P.O.A.**
112ITB-LR	**112ITB-RL**	12	118"	16-1/2"	700.0	**42905.81**	**P.O.A.**
Double Row Indianapolis Test Benches							
120ITB-DR-LR	**120ITB-DR-RL**	20	108"	20"	1000.0	**69963.53**	**P.O.A.**
124ITB-DR-LR	**124ITB-DR-RL**	24	124"	20"	1000.0	**79393.51**	**P.O.A.**

Indianapolis Test Benches include the following: Hydraulic cylinder at inlet for automatic clamping of meters, units or spaces for 10 or 12 meters as ordered, ball valve at inlet, testerate indicator outlet, pressure gauges at inlet and outlet, bleeder or adjusting valve at outlet of each unit, a drain valve at outlet of bench, 18" copper swinging discharge pipe at outlet of bench, all necessary gaskets and adapters, and idlers for all but one meter testing station.

Note: Tester clamp for 1" Indianapolis Bench. Catalog number: **TC** . . . . . **$ 1490.52**

AKRON STYLE TEST BENCHES
(for 1-1/2" through 2" meters)

Catalog Number		Description				Approx. Ship Wt. Lbs.	List Price
Flow Left to Right	Flow Right to Left	Number of Units	Max. Mtr. Size	Length of Pan	Width of Pan		Manual Bench
1SATB-LR	**1SATB-RL**	1	17"	54"	16-1/2"	550.0	**$ 37008.74**
2SATB-LR	**2SATB-RL**	2	17"	70"	16-1/2"	700.0	**45069.90**
3SATB-LR	**3SATB-RL**	3	17"	102"	16-1/2"	880.0	**56392.45**
4SATB-LR	**4SATB-RL**	4	17"	134"	16-1/2"	990.0	**67316.42**
1LATB-LR	**1LATB-RL**	1	21"	54"	16-1/2"	600.0	**37416.11**
2LATB-LR	**2LATB-RL**	2	21"	86"	16-1/2"	750.0	**47111.41**
3LATB-LR	**3LATB-RL**	3	21"	118"	16-1/2"	940.0	**59193.32**
4LATB-LR	**4LATB-RL**	4	21"	134"	16-1/2"	1090.0	**69486.18**

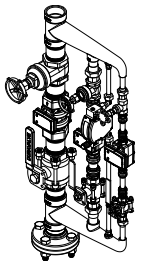
Akron Test Benches include the following: Hydraulic clamping cylinder and adjustable pedestal for each unit, 2" valve at inlet and outlet, bleeder or adjusting valve at outlet of each unit, pressure gauges at inlet and outlet of bench, digital indicator outlet with flow adjusting valve at bench outlet, all necessary adapters and gaskets for 1-1/2" and 2" flanged and tapped meters, 2" idlers for all but one meter testing station, and globe-style blow-off valve at outlet of bench.

Note: Prices will be quoted promptly on any special features desired on Akron Test Benches.
Swinging discharge pipes and adapters for smaller meters must be ordered separately for Akron Benches.
1-1/4" meter adapters sold separately.

Ordering Information for the Akron Bench
For best results, indicate on your order the meter sizes to be tested on your Akron Bench, including lengths and types of connections on meters (flanges, female threads, male threads).

TEST BENCH OPTIONS AND ACCESSORIES

DIGITAL INDICATOR OUTLET



Catalog Number	Description	Approx. Wt. Lbs.	List Price
TB-ADIO-LR	Digital Indicator Outlet for Akron Test Bench (Left to Right)	60.0	**P.O.A.**
TB-ADIO-RL	Digital Indicator Outlet for Akron Test Bench (Right to Left)	60.0	**P.O.A.**
TB-IDIO-LR	Digital Indicator Outlet for Indianapolis Test Bench (Left to Right)	30.2	**P.O.A.**
TB-IDIO-RL	Digital Indicator Outlet for Indianapolis Test Bench (Right to Left)	30.2	**P.O.A.**

FORD AUTO-STOP

The Test Bench Auto-Stop can be included on a new bench by adding "-ASC" or as a retro-fit kit on any existing Ford Test Bench by ordering components below. Contact the factory for pricing and order information.

Note: Auto-Stop requires a small air compressor (not included).

AUTO-STOP RETRO-FIT COMPONENTS

To order a complete unit, select the ASCB Control Box and one valve package. To include an optional drain package, select the DVPK Drain Valve Pilot Kit and a drain valve package.

Component	Catalog Number	Description	List Price
Control Box	ASCB	Auto-Stop Control Box	**P.O.A.**
Valve Package (select one)	OVPKG-4-LR	Outlet Valve Package for 1” NPT Outlets (complete outlet valve package for Standard and Indianapolis Benches) with left to right flow	**P.O.A.**
	OVPKG-4-RL	Outlet Valve Package for 1” NPT Outlets (complete outlet valve package for Standard and Indianapolis Benches) with right to left flow	**P.O.A.**
	OVPKG-7	Outlet Valve Package for 2” NPT Outlets (complete outlet valve package for Akron Benches)	**P.O.A.**
Optional Drainage Package (select DVPK and one Drain Valve Package)	DVPK	To automate tank drain, select the DVPK Drain Valve Pilot Kit and one or more of the Drain Valve Packages below	**$ 681.11**
	DVPKG-4	Drain Valve Package for 1” NPT (drain valve for small tanks)	**1187.11**
	DVPKG-7	Drain Valve Package for 2” NPT (drain valve for mid-size tanks)	**1701.18**
	DVPKG-9	Drain Valve Package for 3” NPT (drain valve for large tanks)	**5086.02**

Note: To order a Drain Valve Package on a new tank that will be used with the Auto-Stop, first select the Drain Valve Pilot Kit (DVPK) as a separate line item. Then, add the Drain Valve Package price to the tank price and add “-DVP” to the end of the tank part number.

* To determine the proper drain valve kit for small, medium or large sized tanks, refer to the discharge size column from table listed on the next page.

For a replacement Auto-Stop tank water level sensor, for benches manufactured before 2023, order TB-ASC-SENSOR-070512. . . . . **$ 539.38**

For a replacement Auto-Stop tank water level sensor, for benches manufactured during or after 2023, order TB-ASC-SENSOR-070514. . . . . **$ 539.38**

INDICATORS FOR EXISTING BENCHES

TESTERATE INDICATOR (for Standard or Indianapolis Bench)

Catalog Number	Description	Approx. Wt. Lbs.	List Price
KTI	Testerate Indicator	15.1	**$ 4605.34**
KTI-IG	Testerate Indicator with Imperial Gallon Calibrations	15.2	**4751.79**
KTI-L	Testerate Indicator with Liter Calibrations per Hour	15.2	**4751.79**
KTI-LM	Testerate Indicator with Liter Calibrations per Minute	22.9	**4751.79**

AMS (PATENT 11,860,009) OPTIONS

Catalog Number	Description	Approx. Wt. (Lbs.)	List Price
ITB-AMSII-RK	Indy/Standard Bench AMSII Retrofit Kit	867.8	**P.O.A.**
ITB-DR-AMSII-RK	Double Row Indy Bench AMSII Retrofit Kit	592.1	**P.O.A.**
TB-DESICCANT-200704	Flow Valve Desiccant Dryer	0.2	**$ 110.04**

MICRO TEST BOX

Designed for onsite field diagnostic testing to quickly analyze meter accuracy, or to be used as a temporary meter service.

Kit includes totalizing flow meter, inlet pressure gauge, inlet valve, outlet valve, and hose adapters.

Catalog Number	Description	List Price
MTB-G	Micro Test Box - gallons (imperial)	**P.O.A.**
MTB-L	Micro Test Box - liters (metric)	**P.O.A.**

Note: The Micro Test Box does not replace the need for a complete test bench with full testing capabilities.

CALIBRATED TESTING TANKS

STAINLESS STEEL

Catalog Number	Nominal Size	Dia.	Ht.	Calibration Points	Size Discharge	Aprox. Ship Wt. Lbs.	List Price
10-GF-SS	10 gal.	9"	60"	10 and 5 gal. 1 cu. ft.	1"	126.6	**P.O.A.**
10-GF-SS-DGGS	10 gal.	9"	60"	10 and 5 gal. 1cu. ft.	1"	120.0	**P.O.A.**
20-GF-SS	3 cu. ft.	13"	60"	3 and 2 cu. ft. 20 and 10 gal.	1-1/2"	141.5	**P.O.A.**
10-FG-SS	10 cu. ft.	22"	60"	10 and 5 cu. ft. 70 and 30 gal.	1-1/2"	212.1	**P.O.A.**
10-FG-SS-DGGS	10 gal.	22"	60"	10 and 5 cu. ft. 70 and 30 gal.	1-1/2"	200.0	**P.O.A.**
100-GF-SS	100 gal.	26"	60"	100 and 50 gal. 10 cu. ft.	2"	255.6	**P.O.A.**
100-GF-SS-DGGS	100 gal.	26"	60"	100 and 50 gal. 10 cu. ft.	2"	240.0	**P.O.A.**
50-F-SS	50 cu. ft.	47"	72"	50 and 25 cu. ft.	3"	690.0	**P.O.A.**
50-F-SS-DGGS	50 cu. ft.	47"	72"	50 and 25 cu. ft.	3"	690.0	**P.O.A.**
500-G-SS	500 gal.	54"	72"	500 and 250 gal.	3"	883.3	**P.O.A.**
100-F-SS	100 cu. ft.	67"	72"	100 and 50 cu. ft.	3"	1230.0	**P.O.A.**
1000-G-SS	1000 gal.	73"	78"	1000 and 500 gal.	3"	1600.0	**P.O.A.**
1000-GF-SS	1000 gal.	73"	78"	1000 and 500 gal.and 100 cu. ft.	3"	1686.9	**P.O.A.**

OTHER TANKS AVAILABLE

STAINLESS STEEL

Catalog Number	Nominal Size	Dia.	Ht.	Calibration Points	Size Discharge	Aprox. Ship Wt. Lbs.	List Price
25-L-SS-DGGS	25 liters	7"	60"	**AS SPECIFIED BY PURCHASER**	1"	110.0	**P.O.A.**
50-L-SS	50 liters	9"	60"		1"	126.6	**P.O.A.**
100-L-SS	100 liters	13"	60"		1-1/2"	141.5	**P.O.A.**
150-L-SS	150 liters	16"	60"		1-1/2"	215.0	**P.O.A.**
200-L-SS	200 liters	19"	60"		1-1/2"	275.0	**P.O.A.**
400-L-SS	400 liters	26"	60"		2"	255.6	**P.O.A.**
400-L-SS-DGGS	400 liters	26"	60"		2"	375.0	**P.O.A.**
500-L-SS	500 liters	30"	60"		2"	435.7	**P.O.A.**
500-L-SS-DGGS	500 liters	30"	60"		2"	420.0	**P.O.A.**
600-L-SS	600 liters	32"	60"		2"	480.0	**P.O.A.**
1000-L-SS	1 cu. meter	39"	72"		3"	505.0	**P.O.A.**
2000-L-SS	2 cu. meters	54"	72"		3"	970.0	**P.O.A.**
3000-L-SS	3 cu. meters	67"	72"		3"	1500.0	**P.O.A.**
4000-L-SS	4 cu. meters	73"	78"		3"	1925.0	**P.O.A.**
5000-L-SS	5 cu. meters	84"	78"		3"	2550.0	**P.O.A.**

AUTOMATED TANK DRAINS

To automate tank drain valve (when not using the Auto-Stop), select the TB-LVPKG (actuating lever) and 1 or more of the drain valve packages below.

	Catalog Number	Component	Description	List Price
Drain Package (select TB-LVPKG and one or more drain valve packages)	**TB-LVPKG**		Actuating Lever	**681.11**
		*** DVPKG-4**	Drain Valve Package for 1" NPT (drain valve kit for small tanks)	**1187.11**
		*** DVPKG-6**	Drain Valve Package for 1-1/2" NPT (drain valve kit for mid-size tanks)	**1701.18**
		*** DVPKG-7**	Drain Valve Package for 2" NPT (drain valve kit for mid-size tanks)	**2039.48**
		*** DVPKG-9**	Drain Valve Package for 3" NPT (drain valve kit for large tanks)	**5086.02**

Note: To order a Drain Valve Package on a new tank (that will not be used with an Auto-Stop), first select the Actuating Lever (TB-LVPKG) as a separate line item. Then, add the Drain Valve Package price to the tank price and add "-DVP" to the end of the tank part number.

* To determine the proper drain valve kit for small, medium or large sized tanks, refer to the discharge size column from the tables above.

PARTS FOR STANDARD TEST BENCHES

Catalog Number	Description	List Price
9552-NL	1" Inlet Ball Valve	**$ 562.06**
9553-NL	1" x 1" Outlet Ball Valve	**587.67**
KTI	KTI Testerate Indicator	**4605.34**
9557-NL	18" Swinging Discharge Pipe - (standard length)	**226.79**
9558-NL	24" Swinging Discharge Pipe	**261.17**
9560	Pressure Gage Only, 0-200 PSI (1400 KPA)	**179.59**
9561	Pressure Gage with Nipple and Petcock	**200.43**
9562-S-A-NL	Blow-off Valve and Discharge Tube for Standard or Akron Bench	**288.60**
9563-LR	Inlet Piece with Expansion Connection / Left to Right Flow	**479.00**
9563-RL	Inlet Piece with Expansion Connection / Right to Left Flow	**479.00**
9564-LR	90º Outlet Piece with Sides Tapped for Blow-Off Valve and Pressure Gage / Left to Right Flow	**167.72**
9564-RL	90º Outlet Piece with Sides Tapped for Blow-Off Valve and Pressure Gage / Right to Left Flow	**167.72**
9565-LR	Intermediate Piece with Expansion Connection and Bleeder Valve Assembly / Left to Right Flow	**544.50**
9565-RL	Intermediate Piece with Expansion Connection and Bleeder Valve Assembly / Right to Left Flow	**544.50**
9566-S	Bleeder Valve Assembly with Screw, O-ring and Drain Tube (for Standard Test Bench)	**63.44**
9567-NL	Bleeder Valve Screw with O-ring	**24.28**
9568-67-NL	Bleeder Valve Body with Screw and O-ring	**54.16**
ORING-650012-EP	O-ring for Bleeder Valve Screw	**0.41**
9568-NL	Bleeder Valve Body Only (with plastic seat)	**27.22**
9569	Drain Tube Only for Bleeder Valve (for Standard and Indianapolis Test Benches)	**23.78**
9570	Expansion Connection Barrel Piece only	**124.52**
9571	Expansion Connection Handwheel only	**124.52**
9572	Beveled Gland Ring	**39.90**
GT-62	Beveled Rubber Expansion Connection Gasket (replaces beveled leather gasket)	**8.61**
GT-166	Rubber Gasket for 5/8" Meters	**1.70**
GT-118	Rubber Gasket for 5/8" x 3/4" or 3/4" Meters (priced from section E)	**0.65**
GT-124	Rubber Gasket for 1" Meters (priced from section H)	**1.84**
GT-166-BAG-30	Rubber Gasket for 5/8" Meters (Qty=30)	**50.80**
GT-118-BAG-30	Rubber Gasket for 5/8" x 3/4" or 3/4" Meters (priced from section E) (Qty=30)	**19.59**
GT-124-BAG-30	Rubber Gasket for 1" Meters (priced from section H) (Qty=30)	**55.16**
9578	Tester Yoke only	**226.41**
9579	Set of Adapters for 5/8", 5/8" x 3/4" and 3/4" Meters (per tester unit)	**340.71**
9580	5/8" Screw-in Adapter for Standard Test Bench	**88.46**
9581	5/8" Slide Adapter for Standard Test Bench	**42.97**
9582	5/8" x 3/4" Screw-in Adapter for Standard Test Bench	**88.70**
9583	5/8" x 3/4" and 3/4" Slide Adapter for Standard Test Bench	**45.15**
9584	3/4" Screw-in Adapter for Standard Test Bench	**76.80**
9586	Set O-ring Gaskets for KTI Standard Testerate Indicator	**17.00**
9731	Nylon Seat for Bleeder Valve Assembly	**1.92**

PARTS FOR INDIANAPOLIS TEST BENCHES

The following parts are the same as on Standard Benches: 1" inlet and outlet valves; testerate indicators and parts; swinging discharge pipes; pressure gage; bleeder valve bodies; rubber gaskets; pans and legs.

Catalog Number	Description	List Price
9562-I-NL	Blow-off Valve and Discharge Tube for Indianapolis Bench	**$ 288.60**
9566-I	Bleeder Valve Assembly with Screw, O-ring and Drain Tube (for Indianapolis Test Bench)	**72.78**
ORING-650012-EP	O-ring for Bleeder Valve Screw	**0.41**
9569	Drain Tube only for Bleeder Valve (for Standard and Indianapolis Test Benches)	**23.78**
9588	Short Dolly Assembly	**990.17**
9592-2-LR	Indianapolis Clamping Cylinder, Less 4-way Valve and Piping for 5/8" x 3/4" and 3/4" Bench, Left to Right Flow	**1825.42**
9592-2-RL	Indianapolis Clamping Cylinder, Less 4-way Valve and Piping for 5/8" x 3/4" and 3/4" Bench, Right to Left Flow	**1825.42**
9592-4-LR	Indianapolis Clamping Cylinder, Less 4-way Valve and Piping for 1" Bench, Left to Right Flow	**1825.42**
9592-4-RL	Indianapolis Clamping Cylinder, Less 4-way Valve and Piping for 1" Bench, Right to Left Flow	**1825.42**
9593	4-way Control Valve with Handle for Hydraulic Cylinder, Less Piping	**715.51**
9594-I	4-way Control Valve with Handle for Hydraulic Cylinder with Piping for Indianapolis Bench	**930.31**
9710	Set O-rings for Indianapolis Clamping Cylinder	**47.60**
9711-NL	5/8" Split Ring Adapter for 1" Indianapolis - benches ordered before April 2021	**76.37**
9712-NL	5/8" x 3/4" and 3/4" Split Ring Adapter for 1" Indianapolis - benches ordered before April 2021	**76.37**
9721-NL	5/8" Split Ring Adapter for 1" Indianapolis - benches ordered May 2021 or after	**113.10**
9722-NL	5/8" x 3/4" and 3/4" Split Ring Adapter for 1" Indianapolis - benches ordered May 2021 or after	**114.00**
9726-NL	5/8" Split Ring Adapter for 5/8" x 3/4" Indianapolis	**76.37**

PARTS FOR AKRON TEST BENCHES

Catalog Number	Description	List Price
9562-S-A-NL	Blow-off Valve and Discharge Tube for Standard or Akron Bench	$ 288.60
9566-A	Bleeder Valve Assembly with Screw, O-ring and Drain Tube for Akron Bench	73.76
ORING-650012-EP	O-ring for Bleeder Valve Screw	0.41
9569-A	Drain Tube Only for Akron Bench Bleeder Valve	34.03
9555	Nordstrom® Valve Stick Lubricant, sold in box quantity only (20 pcs.)	58.30
TB-HV-7-DV-SS	2" Inlet Valve or Outlet Valve	1458.04
9598-LR	Inlet Clamping Cylinder, Less Pressure Gage, 4-way Control Valve and Piping, for Left to Right Flow	2253.58
9598-RL	Inlet Clamping Cylinder, Less Pressure Gage, 4-way Control Valve and Piping, for Right to Left Flow	2253.58
9599-LR	Intermediate Clamping Cylinder, Less Bleeder Valve, 4-way Control Valve and Piping, for Left to Right Flow	2253.58
9599-RL	Intermediate Clamping Cylinder, Less Bleeder Valve, 4-way Control Valve and Piping, for Right to Left Flow	2253.58
9600-NL	2" Idler (for 'S' Akron Test Benches)	1153.88
9601-NL	2" Idler (for 'L' Akron Test Benches)	1272.06
9602	Set O-rings for Akron Clamping Cylinder	47.48
9595	2" Swivel Union Only for Discharge Pipe	1174.32
SDP-7-NL	2" Swing Discharge Pipe 24" Reach (complete with swivel union)	1963.53
9593	4-way Control Valve for Hydraulic Cylinder, Less Piping	715.51
9594-A	4-way Control Valve for Hydraulic Cylinder with Piping for Akron Bench	930.31
9620-NL	2" Ball Valve for KTI-DR	629.82
TC-A	Tester Clamp for Akron Bench (approx. wt. lbs. - 135.0)	2702.97

OPTIONAL FEATURES FOR AKRON TEST BENCHES

Catalog Number	Description	List Price
AD-4	Adapters for Testing One 1" Meter	$ 228.53
AD-3S	Adapters for Testing Two 5/8", 5/8" x 3/4" and One 3/4" Meter for "S" Akron Bench	1686.09
AD-3L	Adapters for Testing 5/8", 5/8" x 3/4" or 3/4" Meters for "L" Akron Bench	1887.93
SDP-7-NL	Add for 2" Swinging Discharge Pipe - 24" Reach	1963.53
TC-A	Akron Tester Clamp for 3", 4", and 6" Flanged Meters (135 lbs.)	2702.97

METER ADAPTERS FOR AKRON BENCHES

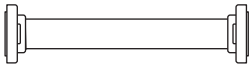
Catalog Number	Description	Approx. Wt. Lbs.	List Price
HT-30-NL	Centering Adapter for 2" Flanged Meter	0.1	$ 190.59
HT-13-NL	Adapter for 2" Tapped Meter	1.3	170.09
HT-15-NL	Adapter for 1-1/2" Flanged Meter*	1.4	124.97
HT-32	Centering Adapter for 1-1/2" Tapped Meter - Used on Nose of HT-15-NL	0.1	37.41
HT-17-NL	Adapter for 1-1/4" Flanged Meter*	1.6	157.36
HT-15A-NL	Adapter for 1-1/4" Tapped Meter*	1.7	148.32
HT-36	Adapter for 1-1/4" or 1" x 1-1/4" Meter with Male Threads	1.4	144.72
HT-14	Adapter for 1" Meter*	1.8	114.61
HT-10	Slide Saddle Holder. Used for 5/8" and 5/8" x 3/4" Meters to Test Two in Each Unit. Holder Rests on Aluminum Channels.	8.5	424.77
HT-34	Slide Saddle for 5/8" Meters. Fits into HT-10*.	2.0	328.61
HT-34A	Slide Saddle for 5/8" x 3/4" and 3/4" Meters. Fits into HT-10*.	2.0	328.61
HT-12	Adapter for 5/8" Meters*	1.3	70.53
HT-12A	Adapter for 5/8" x 3/4" and 3/4" Meters*	1.3	72.50
9726-NL	Adapter for 5/8" Meters. Fits into HT-12A and HT-34A*.	0.1	76.37
HT-16	Adds 3-3/4" Extra Length. Used if Piston Travel is Insufficient for Clamping*.	3.2	215.34
HT-16-10	Adapter for 10" Long 2" Meter	2.4	215.34
HT-31-SS	Adds 1/2" Extra Length. Used if Piston Travel is Insufficient for Clamping*.	0.9	76.13

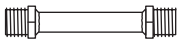
* Gaskets included for meter end(s) of adapters, spacers and slide saddles.

GASKETS FOR AKRON ADAPTERS

Catalog Number	Description	Dimensions	List Price
GT-133	Rubber Gasket for HT-16 and for Clamping Cylinder	2-1/8" x 3-1/4" x 3/8"	$ 7.43
GT-134	Rubber Gasket for HT-13	2-3/16" x 2-7/8" x 1/4"	7.43
GT-139	Rubber Gasket for HT-17-NL	1-7/32" x 2-1/8" x 5/16"	6.94
GT-129	Rubber Gasket for HT-15-NL and HT-15A-NL	1-15/32" x 2-3/8" x 5/16"	6.94
GT-124	Rubber Gasket for HT-14	1-1/16" x 1-21/32" x 1/8"	1.84
GT-118	Rubber Gasket for HT-12A and HT-34A	13/16" x 1-11/32" x 1/8"	0.65
GT-166	Rubber Gasket for HT-12 and HT-34	11/16" x 1-7/64" x 1/8"	1.70
GT-132	Rubber Gasket for HT-31-SS	2" x 3-1/4" x 1/8"	7.43
GT-128	Rubber Gasket for HT-36	1-1/4" x 1-29/32" x 1/8"	5.25

METER IDLERS


for 1-1/2" through 2" meters


for 5/8" through 1" meters

Catalog Number	Description	Approx. Wt. Lbs.	Std Pkg. Qty.	List Price
IDLER-1-NL	Replaces 5/8" Meter	0.6	40	**$ 45.73**
IDLER-1P	Replaces 5/8" Meter (plastic)	0.1	-	**21.05**
IDLER-2-NL	Replaces 5/8" x 3/4" Meter	0.9	25	**45.73**
IDLER-2-4-NL	Replaces 5/8" x 3/4" Meter, 4" length	0.7	-	**45.73**
IDLER-2-5-75-NL	Replaces 5/8" x 3/4" Meter, 5-3/4" length	0.8	18	**45.73**
IDLER-2P	Replaces 5/8" x 3/4" Meter (plastic)	0.3	1	**21.05**
IDLER-3-NL	Replaces 3/4" Meter	1.0	18	**61.30**
IDLER-3-9-5-NL	Replaces 3/4" Meter, 9-1/2" length	1.0	18	**66.63**
IDLER-3P	Replaces 3/4" Meter (plastic)	0.4	1	**22.54**
IDLER-4-NL	Replaces 1" Meter	1.5	12	**89.70**
IDLER-4-6-875-NL	Replaces 1" Meter, 6-7/8" length	1.2	5	**89.70**
IDLER-4-9-NL	Replaces 1" Meter, 9" length	1.4	12	**98.67**
IDLER-4P	Replaces 1" Meter (plastic)	0.4	1	**27.68**
IDLER-4P-9	Replaces 1" Meter (plastic), 9" length	0.4	1	**16.84**
IDLER-6-NL	Replaces 1-1/2" Meter	6.2	1	**313.09**
IDLER-6-3-NL	Replaces 1-1/2" Meter, 3" length	4.4	-	**313.09**
IDLER-6-4-NL	Replaces 1-1/2" Meter, 4" length	4.5	6	**313.09**
IDLER-6-7-NL	Replaces 1-1/2" Meter, 7" length	5.6	1	**313.09**
IDLER-6-10-NL	Replaces 1-1/2" Meter, 10" length	5.9	1	**313.09**
IDLER-7-NL	Replaces 2" Flanged Meter	10.8	1	**413.73**
IDLER-7-3-NL	Replaces 2" Flanged Meter, 3" length	6.0	2	**344.04**
IDLER-7-6-875-NL	Replaces 2" Flanged Meter, 6-7/8" length	6.6	4	**413.73**
IDLER-7-8-NL	Replaces 2" Flanged Meter, 8" length	7.9	1	**413.73**
IDLER-7-10-NL	Replaces 2" Flanged Meter, 10" length	8.0	-	**413.73**
IDLER-7-13-313-NL	Replaces 2" Flanged Meter, 13-5/16" length	8.2	1	**413.73**
IDLER-7-15-25-NL	Replaces 2" Flanged Meter, 15-1/4" length	8.4	1	**413.73**
IDLER-7-15-75-NL	Replaces 2" Flanged Meter, 15-3/4" length	8.4	-	**413.73**
IDLER-7-18-5-NL	Replaces 2" Flanged Meter, 18-1/2" length	8.5	1	**427.43**

MISCELLANEOUS TESTER AND TANK PARTS

Catalog Number	Description	List Price
9603	Gage Glass for Standard Calibrated Tank (4 ft.)	**$ 240.17**
9605	1" Drain Valve for 1-F-SS or 10-G Tank	**245.99**
9606	1-1/2" Drain Valve for 20-GF or 10-FG Tank	**384.97**
9607	2" Drain Valve for 100-GF Tank	**1270.10**
9608	3" Drain Valve	**1551.15**
9616	Tube and Rotor Assembly for KTI Testerate Indicator	**2535.25**
9617	Meter Vise Inlet Plug with Ring	**270.85**
9618	Meter Vise Outlet Plug	**101.70**
9619-NL	Set 8 Brass Rings for Standard Tester Clamp	**179.04**

ELECTRONIC CONTROL UNIT PARTS

Catalog Number	Description	List Price
9609	Electric Valve Only with Solenoid, Less Wire	**$ 586.54**
9610	3/8" Strainer with Union	**101.78**
9610-S	Wire Mesh Strainer Only	**15.51**
9621	Electrode with Tube and Clamp at Standard 21-1/4" Length. (for custom lengths, use 9621-xx)	**160.26**
9621-xx	For custom length electrodes, provide the distance in inches from top of tank to water test level. Specify “electrodes to be____inches long.” For each additional inch, add to price where xx is the total inches from top of tank to water test level.	**3.45**
9622	Flow Control Needle Valve for Electric Control Unit Bypass	**438.15**
9628	Banana Plug Only (each)	**16.44**

Caution: Wire replacement requires a qualified electrician.

METER SHOP ACCESSORIES

Catalog Number	Description	List Price
9547	Meter Vise	**$ 1211.65**

FORD PIPE REPAIR PRODUCTS
SECTION L

Ford Repair Clamp Numbering System

TYPE OF CLAMP

F1 = Single Band Stainless Steel Clamp with Ductile Iron Lugs
F2 = Double Band Stainless Steel Clamp with Ductile Iron Lugs
F2W = Special Range Double Band Stainless Steel Clamp with Ductile Iron Lugs
F3 = Triple Band Stainless Steel Clamp with Ductile Iron Lugs
FLS1 = Single Band Stainless Steel Repair Clamps with Drop-In Lugs
FLS2 = Double Band Stainless Steel Repair Clamps with Drop-In Lugs
FLS3 = Triple Band Stainless Steel Repair Clamps with Drop-In Lugs
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
FSC1 = Wrap Clamp (with lifter bar)
FLSC = All Stainless Steel Snap or Wrap Clamp
FCC = Repair Clamp for Coupling Solvent Weld PVC
FBC = Bell Joint Leak Clamp
FIBC = Repair Clamp for Integral Bell Solvent Weld PVC
MJBE = Mechanical Joint Bell Encapsulator
MJSC = Mechanical Joint Split Coupling
MJSCX = Type 304 Stainless Steel Mechanical Joint Split Coupling
MJSCQ = Type 316 Stainless Steel Mechanical Joint Split Coupling

CLAMP LENGTH

(lengths are not required on styles FACC, FBC, FCC and FIBC)

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

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

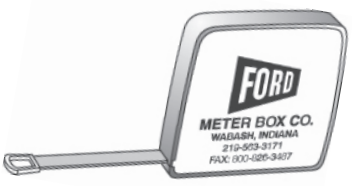
O.D. SIZE

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

OPTIONAL FEATURES

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
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
OS1 = 1" Offset Gasket for Overlapping Clamps for Extended Lengths
Q = 316 Stainless Steel (FS style clamp)
R = Wrap Clamp, Features a 360° Gasket (for FSC and FLSC style clamps)
R2 = Dual Armor Wrap Clamp with EPDM gasket (less dimples)
SH = Stainless Steel Nuts and Bolts (for ductile lug clamps)

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

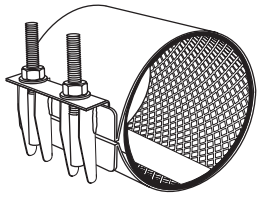


PIPE O.D. TAPE

To order the Ford Pipe O.D. Tape use / **OD-TAPE** . . . . . **$ 18.04**

FORD ALL STAINLESS REPAIR CLAMPS

STYLE FS1 SINGLE BAND



Nom. Pipe Size	Pipe O.D. Range (In.)	Catalog Number	Length, List Price and Approximate Shipping Weight Lbs.							
			6"	7.5"	10"	12.5"	15"	20"	24"	30"
2"	1.90-2.15	* FS1-215-Length	$ 120.18	$ 135.54	$ 174.31	$ 193.20	$ 254.03	N/A	N/A	N/A
	2.05-2.25	* FS1-225-Length	3 lbs.	4 lbs.	5 lbs.	6 lbs.	7 lbs.	N/A	N/A	N/A
	2.35-2.63	FS1-263-Length	$ 120.18 3 lbs.	$ 135.54 4 lbs.	$ 174.31 5 lbs.	$ 193.20 6 lbs.	$ 254.03 7 lbs.	$ 450.23 11 lbs.	$ 497.63 13 lbs.	$ 575.42 17 lbs.
2-1/4"-2-1/2"	2.70-3.00	FS1-300-Length	125.00 4	143.87 5	183.63 5	204.56 6	261.34 8	462.35 10	509.16 13	598.54 17
3"	2.97-3.25	FS1-325-Length	139.59 4	158.59 4	207.78 6	229.50 7	281.10 8	469.58 13	521.90 15	618.32 18
	3.46-3.70	FS1-370-Length								
	3.73-4.00	FS1-400-Length								
	3.96-4.25	FS1-425-Length								
4"	4.45-4.73	FS1-473-Length	144.72 4	166.83 5	228.85 6	267.04 8	290.49 10	471.54 14 lbs	601.01 15 lbs	652.08 25 lbs
	4.50-4.80	FS1-480-Length								
	4.74-5.14	FS1-514-Length								
	4.95-5.35	FS1-535-Length								
	5.22-5.62	FS1-562-Length								
6"	5.95-6.35	FS1-635-Length	-	200.79 7	272.42 10	321.01 11	355.01 14	584.65 19	704.40 23	787.49 29
	6.56-6.96	FS1-696-Length								
	6.84-7.24	FS1-724-Length								
	7.05-7.45	FS1-745-Length								
	7.45-7.85	FS1-785-Length								
8"	7.95-8.35	FS1-835-Length	-	235.43 9	311.81 11	377.46 13	431.48 17	631.67 21	789.26 25	923.69 37
	8.54-8.94	FS1-894-Length								
	8.99-9.39	FS1-939-Length								
	9.27-9.67	FS1-967-Length								
10"	9.70-10.10	FS1-1010-Length	-	324.30 10	439.81 13	509.14 17	585.86 19	782.33 26	1156.15 31	1310.14 41
	10.60-11.04	FS1-1104-Length								
	11.04-11.44	FS1-1144-Length								
	11.34-11.74	FS1-1174-Length								
	11.75-12.15	FS1-1215-Length								
12"	12.00-12.40	FS1-1240-Length	-	368.66 11	487.56 14	589.66 18	666.59 22	928.91 29	1278.07 34	1449.93 43
	12.60-13.02	FS1-1302-Length								
	13.10-13.50	FS1-1350-Length								
	13.40-13.80	FS1-1380-Length								
	13.70-14.10	FS1-1410-Length								
	14.00-14.40	FS1-1440-Length								
Number of Studs			2	2	3	**3-4	4	6	7	9

** 12.5" long clamps in the 10" and 12" nominal pipe size have four studs.

To Order: Specify catalog number and length of desired clamp. For example: An FS1-724-125 would have a length of 12.5" and cover an O.D. of 6.84" to 7.24".

Notes: Optional **electric conductivity strips** are available on FS1 clamps; add "-CS" to catalog number. Example: FS1-263-75-CS Lengths 7.5" through 10" add **$ 11.98**. Lengths 12.5" and up add **$ 20.94**. Tapped outlets for clamps are available on page L-8.

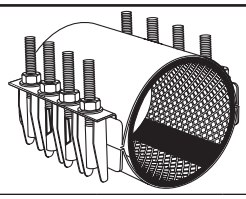
Optional **NBR (Buna-N)** gaskets are available, add "-N" to the catalog number. Example: FS1-263-75-N. Add 5% to the list price.

Optional **EPDM** gaskets are available, add "-EPDM" to the catalog number. Example: FS1-263-75-EPDM. Add 10% to the list price.

For HDPE pipe applications, see HDPE price pages at the back of the price book.

FORD ALL STAINLESS REPAIR CLAMPS (CONTINUED)

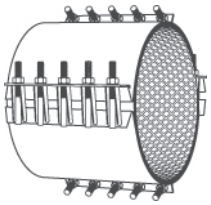
STYLE FS2 DOUBLE BAND



Nom. Pipe Size	Pipe O.D. Range (In.)	Catalog Number	Length, List Price and Approximate Shipping Weight Lbs.						
			7.5"	10"	12.5"	15"	20"	24"	30"
4"	4.44-5.24 4.74-5.57	**FS2-524-Length** **FS2-557-Length**	**$ 253.49** 9 lbs.	**$ 335.28** 12 lbs.	**$ 391.26** 14 lbs.	**$ 474.24** 18 lbs.	**$ 636.95** 25 lbs.	**$ 826.35** 31 lbs.	-
6"	6.62-7.42 6.84-7.64	**FS2-742-Length** **FS2-764-Length**	**293.72** 10	**377.07** 14	**440.02** 17	**549.58** 20	**757.07** 28	**1012.72** 36	**$ 1184.32** 43 lbs
8"	8.62-9.42 8.99-9.79	**FS2-942-Length** **FS2-979-Length**	**335.28** 11	**420.08** 16	**489.73** 19	**627.42** 23	**859.20** 32	**1156.70** 40	**1330.28** 47
10"	10.70-11.50 11.04-11.84 11.60-12.40	**FS2-1150-Length** **FS2-1184-Length** **FS2-1240-Length**	-	**549.96** 17	**766.75** 22	**790.99** 25	**1057.97** 35	**1425.23** 42	**1649.93** 53
12"	12.70-13.50 13.14-13.94 13.65-14.45	**FS2-1350-Length** **FS2-1394-Length** **FS2-1445-Length**	-	**629.16** 18	**870.52** 23	**894.18** 26	**1222.20** 36	**1581.84** 43	**1887.49** 55
14"	15.07-15.82	**FS2-1582-Length**	-	**712.62** 20	**984.03** 27	**1076.59** 30	**1381.35** 40	**1788.10** 47	**2137.92** 57
16"	17.15-17.90	**FS2-1790-Length**	-	**813.18** 21	**1060.69** 29	**1179.78** 34	**1537.67** 41	**1992.99** 49	**2452.76** 63
Number of Studs			4	6	*6-8	8	12	62 14	18

* 12.5" long clamps in the 10" through 16" nominal pipe size have eight studs.

STYLE FS3 TRIPLE BAND



Nom. Pipe Size	Pipe O.D. Range (In.)	Catalog Number	Length, List Price and Approximate Shipping Weight Lbs.				
			12.5"	15"	20"	24"	30"
16"	17.10-18.30	**FS3-1830-Length**	**$ 1194.37** 33 lbs.	**$ 1416.81** 38	**$ 1918.34** 52 lbs.	**$ 2425.12** 63 lbs.	**$ 3389.57** 80 lbs.
18"	18.00-19.20 19.50-20.70	**FS3-1920-Length** **FS3-2070-Length**	**1261.42** 34	**1527.81** 39	**2068.65** 53	**2648.00** 63	**3464.23** 80
20"	21.60-22.80	**FS3-2280-Length**	**1395.74** 43	**1581.39** 47	**2141.40** 64	**2963.92** 76	**3882.32** 115
24"	25.80-27.00	**FS3-2700-Length**	**1758.23** 45	**2525.72** 50	**3420.91** 67	**4378.64** 80	**5771.60** 121
30"	29.62-30.82 31.22-32.42	**FS3-3082-Length** **FS3-3242-Length**	**2307.95** 56	**2806.23** 62	**3870.96** 82	**4997.10** 99	**6309.69** 126
Number of Studs			12	12	18	21	27

To Order: Specify catalog number and length of desired clamp. For example: An FS3-1830-125 would have a length of 12.5" and cover an O.D. of 17.10" to 18.30".

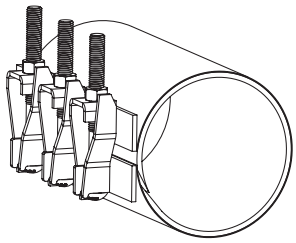
Notes: Optional **electric conductivity strips** are available, add "-CS" to catalog number. Example: FS3-1830-125-CS. Lengths 7.5" through 10" add **$ 11.98**. Lengths 12.5" and up add **$ 20.94**. Tapped outlets for clamps are available on page L-8.

Optional **NBR (Buna-N)** gaskets are available, add "-N" to the catalog number. Example: FS3-1830-125-N. Add 5% to the list price.

Optional **EPDM** gaskets are available, add "-EPDM" to the catalog number. Example: FS3-1830-125-EPDM. Add 10% to the list price. For HDPE pipe applications, see HDPE price pages at the back of the price book.

FORD ALL STAINLESS DROP-IN BOLT REPAIR CLAMPS

STYLE FLS1 SINGLE BAND



Nom. Pipe Size	Pipe O.D. Range (In.)	Catalog Number	Length, List Price and Approximate Shipping Weight Lbs.						
			7.5"	10"	12.5"	15"	20"	24"	30"
2"	2.05-2.25 2.35-2.63	* **FLS1-225-Length** **FLS1-263-Length**	**$ 155.88** 6 lbs.	**$ 181.82** 7 lbs.	**$ 222.19** 9 lbs.	**$ 292.13** 11 lbs.	-	-	-
2-1/4" - 2-1/2"	2.70-3.00	**FLS1-300-Length**	**165.48** 6	**211.18** 6.5	**235.26** 9	**300.52** 10	-	-	-
3"	2.97-3.25 3.46-3.70 3.73-4.00 3.96-4.25	**FLS1-325-Length** **FLS1-370-Length** **FLS1-400-Length** **FLS1-425-Length**	**182.36** 6	**238.96** 8	**263.92** 10	**323.25** 12	-	-	-
4"	4.45-4.73 4.50-4.80 4.74-5.14 4.95-5.35 5.22-5.62	**FLS1-473-Length** **FLS1-480-Length** **FLS1-514-Length** **FLS1-535-Length** **FLS1-562-Length**	**191.88** 7	**263.19** 9	**307.11** 11	**334.05** 14	**$ 542.27** 18 lbs	**$ 691.17** 23 lbs	**$ 749.91** 32 lbs
6"	5.95-6.35 6.56-6.96 6.84-7.24 7.05-7.45 7.45-7.85	**FLS1-635-Length** **FLS1-696-Length** **FLS1-724-Length** **FLS1-745-Length** **FLS1-785-Length**	**230.90** 8	**313.26** 11	**369.15** 13	**408.26** 17	**672.34** 22	**810.06** 28	**903.98** 35
8"	7.95-8.35 8.54-8.94 8.99-9.39 9.27-9.67	**FLS1-835-Length** **FLS1-894-Length** **FLS1-939-Length** **FLS1-967-Length**	**270.76** 10	**358.58** 13	**434.08** 15	**496.21** 19	**726.44** 25	**903.71** 31	**1062.24** 44
10"	9.70-10.10 10.60-11.04 11.04-11.44 11.34-11.74 11.75-12.15	**FLS1-1010-Length** **FLS1-1104-Length** **FLS1-1144-Length** **FLS1-1174-Length** **FLS1-1215-Length**	**353.91** 12	**488.14** 30	**585.52** 20	**673.71** 23	**888.48** 32	**1170.63** 37	**1491.35** 47
12"	12.00-12.40 12.60-13.02 13.10-13.50 13.40-13.80 13.70-14.10 14.00-14.40	**FLS1-1240-Length** **FLS1-1302-Length** **FLS1-1350-Length** **FLS1-1380-Length** **FLS1-1410-Length** **FLS1-1440-Length**	**397.76** 13	**520.25** 17	**631.31** 22	**766.56** 26	**946.09** 35	**1325.79** 42	**1577.12** 56
Number of Studs			2	3	**3-4	4	6	7	9

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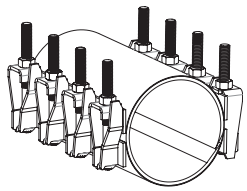
* FLS1-225 is available up through 12.5" length.
** 12.5" long clamps in the 10" and 12" nominal pipe size have four studs.

To Order: Specify catalog number and length of desired clamp. For example: An FLS1-724-125 would have a length of 12.5" and cover an O.D. of 6.84" to 7.24".

Notes: Optional **electric conductivity strips** are available on FLS1 clamps; add "-CS" to catalog number. Example: FLS1-263-75-CS Lengths 7.5" through 10" add **$ 11.98**. Lengths 12.5" and up add **$ 20.94**. Tapped outlets for clamps are available on page L-8.
Optional **NBR (Buna-N)** gaskets are available, add "-N" to the catalog number. Example: FLS1-263-75-N. Add 5% to the list price.
Optional **EPDM** gaskets are available, add "-EPDM" to the catalog number. Example: FLS1-263-75-EPDM. Add 10% to the list price.

FORD ALL STAINLESS DROP-IN BOLT REPAIR CLAMPS (CONTINUED)

STYLE FLS2 DOUBLE BAND



Nom Pipe Size	Pipe O.D. Range (In.)	Catalog Number	Length, List Price and Approximate Shipping Weight Lbs.						
			7.5"	10"	12.5"	15"	20"	24"	30"
4"	4.44-5.24 4.74-5.57	**FLS2-524-Length** **FLS2-557-Length**	**$ 352.76** 12 lbs.	**$ 484.19** 16 lbs.	**$ 540.16** 19 lbs.	**$ 672.78** 21 lbs.	**$ 934.75** 37 lbs.	**$ 1173.78** 44 lbs.	-
6"	6.62-7.42 6.84-7.64	**FLS2-742-Length** **FLS2-764-Length**	**392.96** 13	**525.96** 17	**588.91** 21	**748.11** 26	**1054.86** 37	**1360.13** 47	**$ 1631.03** 92 lbs
8"	8.62-9.42 8.99-9.79	**FLS2-942-Length** **FLS2-979-Length**	**434.55** 15	**568.98** 18	**638.65** 24	**824.31** 29	**1157.00** 38	**1504.12** 58	**1776.95** 58
10"	10.70-11.50 11.04-11.84 11.60-12.40	**FLS2-1150-Length** **FLS2-1184-Length** **FLS2-1240-Length**	-	**698.87** 21	**965.27** 24	**989.52** 21	**1355.76** 50	**1772.65** 56	**2096.64** 61
12"	12.70-13.50 13.14-13.94 13.65-14.45	**FLS2-1350-Length** **FLS2-1394-Length** **FLS2-1445-Length**	-	**778.04** 22	**1069.07** 28	**1076.27** 33	**1520.04** 46	**1929.27** 59	**2334.18** 75
14"	15.07-15.82	**FLS2-1582-Length**	-	**861.52** 24	**1182.56** 30	**1275.11** 50	**1679.14** 50	**2135.54** 50	**2584.60** 70
16"	17.15-17.90	**FLS2-1790-Length**	-	**962.07** 25	**1259.20** 31	**1378.33** 39	**1835.47** 52	**2340.39** 68	**2899.45** 91
Number of Studs			4	6	*6-8	8	12	14	18

* 12.5" long clamps in the 10" through 16" nominal pipe size have eight studs.

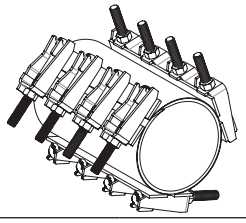
To Order: Specify catalog number and length of desired clamp. For example: An FLS2-742-125 would have a length of 12.5" and cover an O.D. of 6.62" to 7.42".

Notes: Optional **electric conductivity strips** are available on FLS2-979 and larger, add "-CS" to catalog number. Example: FLS2-979-75-CS. Lengths 7.5" through 10" add **$ 11.98**. Lengths 12.5" and up add **$ 20.94**. Tapped outlets for clamps are available on page L-8.

Optional **NBR (Buna-N)** gaskets are available, add "-N" to the catalog number. Example: FLS2-524-75-N. Add 5% to the list price.

Optional **EPDM** gaskets are available, add "-EPDM" to the catalog number. Example: FLS2-524-75-EPDM. Add 10% to the list price.

STYLE FLS3 TRIPLE BAND



Nom Pipe Size	Pipe O.D. Range (In.)	Catalog Number	Length, List Price and Approximate Shipping Weight Lbs.				
			12.5"	15"	20"	24"	30"
16"	17.10-18.30	**FLS3-1830-Length**	**$ 1492.15** 40 lbs.	**$ 1714.58** 45 lbs.	**$ 2365.04** 61 lbs.	**$ 2946.25** 72 lbs.	**$ 4059.59** 102 lbs.
18"	18.00-19.20 19.50-20.70	**FLS3-1920-Length** **FLS3-2070-Length**	**1559.22** 40	**1825.62** 49	**2515.35** 68	**3169.13** 76	**4134.25** 107
20"	21.60-22.80	**FLS3-2280-Length**	**1693.52** 44	**1879.20** 55	**2588.06** 79	**3485.07** 93	**4552.34** 132
24"	22.95-24.15 25.80-27.00	**FLS3-2415-Length** **FLS3-2700-Length**	**1891.91** 51	**2659.39** 64	**3703.45** 85	**4735.63** 94	**6277.49** 107
30"	29.62-30.82 31.70-32.90	**FLS3-3082-Length** **FLS3-3290-Length**	**2027.13** 55	**2837.94** 96	**3890.19** 114	**5036.09** 125	**6372.76** 142
Number of Studs			12	12	18	21	27

To Order: Specify catalog number and length of desired clamp. For example: An FLS3-1830-125 would have a length of 12.5" and cover an O.D. of 17.10" to 18.30".

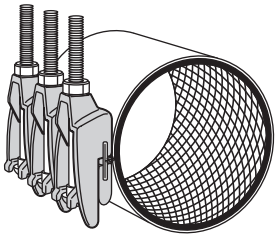
Notes: Optional **electric conductivity strips** are available, add "-CS" to catalog number. Example: FLS3-1830-125-CS. Lengths 7.5" through 10" add **$ 11.98**. Lengths 12.5" and up add **$ 20.94**. Tapped outlets for clamps are available on page L-8.

Optional **NBR (Buna-N)** gaskets are available, add "-N" to the catalog number. Example: FLS3-1830-125-N. Add 5% to the list price.

Optional **EPDM** gaskets are available, add "-EPDM" to the catalog number. Example: FLS3-1830-125-EPDM. Add 10% to the list price.

FORD FLEX REPAIR CLAMPS

STYLE F1 SINGLE BAND



Nom. Pipe Size	Pipe O.D. Range (In.)	Catalog Number	Length, List Price and Approximate Shipping Weight Lbs.					
			7.5"	10"	12.5"	15"	20"	30"
1"	1.88-2.15	**F1-215-Length**	**$ 116.31**	**$ 145.43**	**$ 165.63**	**$ 207.59**	-	-
2"	2.35-2.63	**F1-263-Length**	**118.10** 8 lbs.	**147.71** 11 lbs.	**168.23** 14 lbs.	**210.70** 15 lbs.	-	-
2-1/4"-2-1/2"	2.70-3.00 2.83-3.13	**F1-300-Length** **F1-313-Length**	**125.47** 8	**159.95** 11	**178.08** 14	**221.37** 17	-	-
3"	2.97-3.25 3.46-3.70 3.73-4.00	**F1-325-Length** **F1-370-Length** **F1-400-Length**	**139.51** 9	**181.09** 12	**199.97** 15	**245.66** 18	-	-
3"-4"	3.73-4.13 3.96-4.25 4.45-4.73	**F1-413-Length** **F1-425-Length** **F1-473-Length**	**144.48** 9	**192.09** 12	**215.38** 16	**251.79** 18	-	-
4"	4.74-5.14 4.95-5.35 5.22-5.62	**F1-514-Length** **F1-535-Length** **F1-562-Length**	**152.93** 10	**209.79** 13	**244.75** 16	**266.21** 19	**$ 412.82** 26 lbs.	**$ 626.08** 41 lbs.
6"	5.95-6.35 6.56-6.96	**F1-635-Length** **F1-696-Length**	**180.07** 11	**245.20** 14	**289.16** 18	**317.50** 22	**478.93** 29	**704.30** 44
	6.84-7.24 7.05-7.45 7.45-7.85	**F1-724-Length** **F1-745-Length** **F1-785-Length**	**184.08** 12	**249.86** 15	**294.52** 19	**325.51** 23	**489.45** 31	**719.27** 52
8"	7.95-8.35 8.54-8.94 8.99-9.39	**F1-835-Length** **F1-894-Length** **F1-939-Length**	**215.90** 12	**285.96** 16	**345.88** 20	**395.44** 26	**563.18** 33	**803.36** 54
	9.27-9.67 9.70-10.10 9.90-10.30	**F1-967-Length** **F1-1010-Length** **F1-1030-Length**	**220.83** 14	**296.98** 16	**353.95** 26	**404.90** 27	**575.61** 36	**819.53** 55
10"	10.60-11.04 11.04-11.44 11.34-11.74 11.75-12.15	**F1-1104-Length** **F1-1144-Length** **F1-1174-Length** **F1-1215-Length**	**282.41** 14	**382.95** 18	**443.45** 23	**510.38** 28	**681.42** 37	**990.74** 57
12"	12.00-12.40 12.60-13.02 13.10-13.50	**F1-1240-Length** **F1-1302-Length** **F1-1350-Length**	**321.05** 15	**424.83** 19	**513.49** 24	**580.61** 29	**809.35** 39	**1171.38** 58
	13.40-13.80 13.70-14.10 14.00-14.40	**F1-1380-Length** **F1-1410-Length** **F1-1440-Length**	**337.79** 15	**442.51** 20	**540.93** 25	**596.15** 31	**873.06** 40	**1240.00** 67
Number of Bolts			3	4	5	6	8	12
Add price for 5/8" 304 stainless steel nuts and bolts. Add "-SH" to catalog number (Example: F1-514-75-SH)			**55.58**	**74.13**	**92.66**	**111.16**	**149.08**	**222.39**

L

To Order: Specify catalog number and length of desired clamp. For example: An F1-724-125 would have a length of 12.5" and cover an O.D. of 6.84" to 7.24".

Notes: Tapped repair clamp codes and prices are on page L-8.

Optional **electric conductivity strips** are available, add "-CS" to catalog number. Example: F1-724-75-CS Lengths 7.5" through 10" add **$ 11.98**. Lengths 12.5" and up add **$ 20.94**

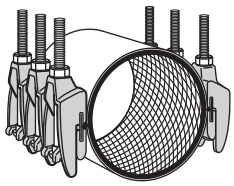
Optional **NBR (Buna-N)** gaskets are available, add "-N" to the catalog number. Example: F1-724-75-N. Add 5% to the list price.

Optional **EPDM** gaskets are available, add "-EPDM" to the catalog number. Example: F1-724-75-EPDM. Add 10% to the list price.

For HDPE pipe applications, see HDPE price pages at the back of the price book.

FORD FLEX REPAIR CLAMPS (CONTINUED)

STYLE F2 DOUBLE BAND



Nom. Pipe Size	Pipe O.D. Range (In.)	Catalog Number	Length, List Price and Approximate Shipping Weight Lbs.					
			7.5"	10"	12.5"	15"	20"	30"
4"	4.44-5.24 4.74-5.57	**F2-524-Length** **F2-557-Length**	**$ 243.90** 18 lbs.	**$ 322.42** 24 lbs.	**$ 376.49** 30 lbs.	**$ 456.24** 36 lbs.	**$ 612.76** 48 lbs.	**$ 935.36** 72 lbs.
4" Special	4.45-5.60	**F2W-560-Length**	N/A	**350.90** 29	N/A	**499.65** 43	**664.23** 58	**998.23** 87
6"	6.62-7.42 6.84-7.64	**F2-742-Length** **F2-764-Length**	**282.63** 19	**362.77** 26	**422.37** 32	**528.67** 39	**709.81** 51	**1072.53** 77
8"	8.62-9.42 8.99-9.79	**F2-942-Length** **F2-979-Length**	**322.42** 20	**404.14** 27	**471.23** 34	**603.51** 41	**826.49** 54	**1230.75** 82
10”	10.70-11.50 10.72-11.72 11.04-11.84 11.60-12.40	**F2-1150-Length** **F2-1172-Length** **F2-1184-Length** **F2-1240-Length**	**404.90** 22	**487.70** 29	**558.15** 36	**692.59** 43	**926.78** 57	**1414.55** 87
10" Special	11.04-12.24	**F2W-1224-Length**	N/A	**667.80** 35	N/A	**980.90** 52	**1313.80** 69	**1945.36** 105
12”	12.70-13.50 12.72-13.92 13.14-13.94 13.65-14.45	**F2-1350-Length** **F2-1392-Length** **F2-1394-Length** **F2-1445-Length**	**430.01** 22	**532.94** 28	**592.69** 44	**756.99** 45	**1034.90** 59	**1545.74** 90
12" Special	13.14-14.34	**F2W-1434-Length**	N/A	**721.18** 34	N/A	**1059.45** 52	**1425.15** 69	**2105.73** 104
Range	13.65-14.65	**F2-1465-Length**	N/A	**709.47** 30	N/A	**1021.77** 45	**1386.88** 59	**2105.73** 106
	14.38-15.13	**F2-1513-Length**	N/A	**709.47** 31	N/A	**1021.77** 47	**1386.88** 62	**2093.02** 106
	15.07-15.82	**F2-1582-Length**	N/A	**743.84** 31	**906.66** 38	**1069.48** 48	**1450.54** 63	**2194.41** 107
	15.20-16.20	**F2-1620-Length**	N/A	**760.09** 32	**960.39** 39	**1094.62** 48	**1482.09** 63	**2242.36** 107
	15.92-16.67	**F2-1667-Length**	N/A	**760.09** 32	N/A	**1094.62** 48	**1482.09** 63	**2242.36** 107
	16.00-17.00	**F2-1700-Length**	N/A	**760.09** 36	**927.36** 39	**1094.62** 52	**1482.09** 64	**2242.36** 108
	16.56-17.31	**F2-1731-Length**	N/A	**774.15** 32	N/A	**1114.41** 49	**1509.79** 64	**2283.66** 108
	17.15-17.90	**F2-1790-Length**	N/A	**787.11** 32	**960.39** 39	**1133.62** 53	**1534.71** 69	**2321.84** 109
	17.20-18.20	**F2-1820-Length**	N/A	**799.56** 32	**978.57** 39	**1151.57** 49	**1510.50** 64	**2359.07** 108
	17.82-18.57	**F2-1857-Length**	N/A	**799.56** 33	N/A	**1151.57** 49	**1559.25** 65	**2359.07** 109
	18.46-19.21	**F2-1921-Length**	N/A	**819.19** 33	N/A	**1194.42** 50	**1591.11** 65	**2406.94** 110
	18.40-19.40	**F2-1940-Length**	N/A	**829.86** 38	**1107.49** 40	**1194.80** 55	**1618.54** 65	**2448.35** 120
	19.23-19.98	**F2-1998-Length**	N/A	**829.86** 36	**1107.49** 41	**1194.80** 55	**1618.54** 72	**2448.35** 111
	19.40-20.40	**F2-2040-Length**	N/A	**843.93** 40	N/A	**1215.30** 55	**1645.47** 72	**2489.18** 121
	19.90-20.65	**F2-2065-Length**	N/A	**843.93** 36	N/A	**1215.30** 55	**1645.47** 72	**2489.18** 112
	20.40-21.40	**F2-2140-Length**	N/A	**862.57** 36	N/A	**1241.97** 56	**1681.60** 74	**2544.18** 112
	20.70-21.45	**F2-2145-Length**	N/A	**862.57** 36	N/A	**1241.97** 56	**1681.60** 73	**2544.18** 112
	21.52-22.27	**F2-2227-Length**	N/A	**878.82** 41	**1139.28** 41	**1265.64** 56	**1713.39** 74	**2591.99** 113
	21.40-22.40	**F2-2240-Length**	N/A	**928.34** 41	N/A	**1336.83** 61	**1810.00** 74	**2738.10** 123
	22.12-22.87	**F2-2287-Length**	N/A	**892.58** 37	N/A	**1285.57** 57	**1740.54** 74	**2633.46** 114
	22.50-23.60	**F2-2360-Length**	N/A	**908.99** 41	N/A	**1305.47** 55	**1772.65** 74	**2681.28** 110
	22.90-23.65	**F2-2365-Length**	N/A	**908.99** 37	N/A	**1305.47** 57	**1772.65** 74	**2681.28** 115
Number of Bolts			6	8	10	12	16	24
Add price for 5/8" 304 stainless steel nuts and bolts. Add “-SH” to catalog number. Example: F2-524-75-SH			**111.16**	**140.25**	**185.34**	**222.39**	**296.54**	**444.83**

To Order: Specify catalog number and length of desired clamp. For example: An F2-742-125 would have a length of 12.5" and cover an O.D. of 6.62" to 7.42".

Notes: Tapped repair clamp codes and prices are on page L-8.

Optional **electric conductivity strips** are available, add “-CS” to catalog number. Example: F2-979-75-CS Lengths 7.5" through 10" add **$ 11.98**. Lengths 12.5" and up add **$ 20.94**.

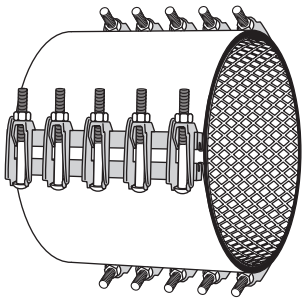
Optional **NBR (Buna-N)** gaskets are available, add “-N” to the catalog number. Example: F2-979-75-N. Add 5% to the list price.

Optional **EPDM** gaskets are available, add “-EPDM” to the catalog number. Example: F2-979-75-EPDM. Add 10% to the list price.

For HDPE pipe applications, see HDPE price pages at the back of the price book.

FORD FLEX REPAIR CLAMPS (CONTINUED)

STYLE F3 TRIPLE BAND



Nom. Pipe Size	Pipe O.D. Range (In.)	Catalog Number	Length, List Price and Approximate Shipping Weight Lbs.			
			10"	15"	20"	30"
Range	23.18-24.38	F3-2438-Length	**$ 1597.21** 55 lbs.	**$ 2299.18** 83 lbs.	**$ 3114.15** 109 lbs.	**$ 4711.11** 183 lbs.
	24.28-25.48	F3-2548-Length	**1610.37** 55	**2319.17** 84	**3140.28** 110	**4750.61** 184
	25.60-26.80	F3-2680-Length	**1626.48** 57	**2341.97** 84	**3171.55** 111	**4797.87** 185
	26.38-27.58	F3-2758-Length	**1635.41** 56	**2354.86** 85	**3189.28** 112	**4824.55** 186
	27.55-28.75	F3-2875-Length	**1728.80** 56	**2489.59** 85	**3371.72** 113	**5100.95** 187
	28.63-29.83	F3-2983-Length	**1741.05** 62	**2507.21** 94	**3395.14** 123	**5136.37** 189
	29.52-30.72	F3-3072-Length	**1750.11** 68	**2522.65** 94	**3415.99** 124	**5167.15** 189
Number of Bolts			12	18	24	36
Add price for 5/8" 304 stainless steel nuts and bolts. Add "-SH" to catalog number. Example: F3-2438-10-SH			**210.36**	**333.57**	**444.80**	**667.21**

To Order: Specify catalog number and length of desired clamp.
For example: An F3-2438-20 would have a length of 20" and an O.D. of 23.18" to 24.38".

Notes: Tapped repair clamp codes and prices are listed below.

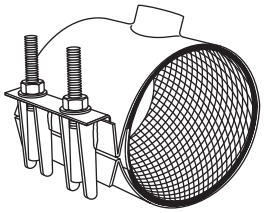
Optional **electric conductivity strips** are available on F2-2438 and larger, add "-CS" to catalog number. Example: F3-2438-15-CS. Length of 10" add **$ 11.98**. Lengths 12.5" and up add **$ 20.94**.

Optional **NBR (Buna-N)** gaskets are available, add "-N" to the catalog number. Add 5% to the list price.

Optional **EPDM** gaskets are available, add "-EPDM" to the catalog number. Add 10% to the list price.

For HDPE pipe applications, see HDPE price pages at the back of the price book.

FORD TAPPED REPAIR CLAMPS - CC AND IP TAPS



OUTLET TAPS for corporation stops are available on ALL Ford Stainless Steel (FS and FLS Styles) or Ford Flex (F Style) Repair Clamps. The minimum clamp size for each tap type and size is listed in the Tapping Code table below. The tapped outlet is stainless steel and is "fused" to the clamp band by a fully passivated TIG weld. All tap options listed below are available on all F3 clamps listed above.

CC (AWWA) Thread Tap Codes

Size	Tap Code Number	Min. Clamp Size			Add on List Price
		F1, FLS1, FS1	F2 F2W	FS2 FLS2	
3/4"	CC3	2.63	5.60	5.24	**$ 92.86**
1"	CC4	2.63	5.60	5.24	**92.86**
1-1/4"	*CC5	3.25	5.60	5.24	**119.87**
1-1/2"	CC6	3.25	5.60	5.24	**119.87**
2"	CC7	4.00	5.60	5.57	**148.69**

* Contact factory for availability.

IP Thread Tap Codes

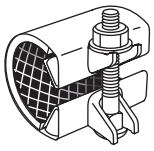
Size	Tap Code Number	Min. Clamp Size			Add on List Price
		F1, FLS1, FS1	F2 F2W	FS2 FLS2	
3/4"	IP3	2.63	5.60	5.24	**$ 92.86**
1"	IP4	2.63	5.60	5.24	**92.86**
1-1/4"	*IP5	3.25	5.60	5.24	**119.87**
1-1/2"	IP6	3.25	5.60	5.24	**119.87**
2"	IP7	4.00	5.60	5.57	**133.09**

* Contact factory for availability.

To Order: 1. Select the proper code from table to match desired size and type of thread.
2. Add code to catalog number of repair clamp.
Example: The number for an FS1-724-125 with a 3/4" CC tap is FS1-724-125-CC3.

FORD SNAP CLAMPS

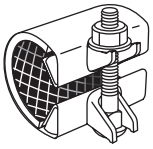
STYLE FSC WITH EPOXY COATED DUCTILE LUGS



Nom. Pipe Size	Pipe O.D. (In.)	Catalog Number	Length, List Price and Approximate Shipping Weight Lbs.							
			3"	Ctn. Qty.	6"	Ctn. Qty.	9"	Ctn. Qty.	12"	Ctn. Qty.
1/2"	0.84	**FSC-084-Length**	**$ 15.77** 0.6 lbs.	25	**$ 29.14** 1.2 lbs.	12	N/A	-	N/A	-
3/4"	0.88	**FSC-088-Length**	**15.77** 0.6	25	**29.14** 1.2	12	N/A	-	N/A	-
3/4"	1.05	**FSC-105-Length**	**16.14** 0.6	25	**30.06** 1.3	12	**$ 50.30** 1.9 lbs.	6	N/A	-
1"	1.32	**FSC-132-Length**	**17.53** 0.7	20	**32.03** 1.4	10	**52.51** 2.0	6	N/A	-
1-1/4"	1.66	**FSC-166-Length**	**18.17** 0.7	18	**33.73** 1.4	12	**56.39** 2.1	6	N/A	-
1-1/2"	1.90	**FSC-190-Length**	**19.43** 0.7	12	**36.62** 1.4	12	**56.83** 2.1	2	**$ 75.92** 2.90 lbs.	2
2"	2.38	**FSC-238-Length**	**21.24** 1.1	10	**38.44** 2.00	12	**61.34** 3.1	2	**78.06** 4.1	2
2-1/2"	2.88	**FSC-288-Length**	**26.57** 1.1	10	**53.03** 2.2	12	**78.86** 3.3	2	**106.49** 4.3	2
3"	3.50	**FSC-350-Length**	**27.81** 1.2	10	**56.18** 2.4	6	**92.44** 3.5	1	**125.69** 4.6	1
4"	4.00	**FSC-400-Length**	**30.06** 1.2	10	**58.23** 2.4	6	**92.93** 3.8	1	**129.22** 4.8	1
	4.50	**FSC-450-Length**	**32.23** 1.3	10	**59.80** 2.7	6	**111.99** 3.9	1	**150.07** 5.1	1
5"	5.56	**FSC-556-Length**	**36.62** 1.4	6	**72.47** 2.9	3	**121.87** 4.7	1	**163.90** 4.9	1
6"	6.00	**FSC-600-Length**	**37.88** 1.5	6	**72.24** 2.9	2	**122.55** 4.8	1	**163.90** 5.0	1
	6.63	**FSC-663-Length**	**38.44** 1.6	6	**75.43** 3.2	2	**127.03** 6.2	1	**164.70** 6.5	1
8"	8.00	**FSC-800-Length**	**42.63** 1.7	3	**83.40** 3.5	2	**133.39** 5.7	1	**196.21** 7.7	1
	8.63	**FSC-863-Length**	**45.14** 2.0	3	**87.66** 3.9	2	**139.07** 6.6	1	**215.41** 7.8	1
Bolt Quantity			**1**		**2**		**3**		**4**	

To Order: Specify catalog number and length of desired clamp. For example: An FSC-190-6 would be a clamp for 1-1/2" standard steel pipe 6" long. **Please order by carton quantities.**

STYLE FLSC WITH 304 STAINLESS STEEL LUGS AND HARDWARE

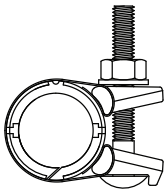


Nom. Pipe Size	Pipe O.D. (In.)	Catalog Number	Length, List Price and Approximate Shipping Weight Lbs.							
			3"	Ctn. Qty.	6"	Ctn. Qty.	9"	Ctn. Qty.	12"	Ctn. Qty.
1/2"	0.84	**FLSC-084-Length**	**$ 48.28** 0.6 lbs.	25	**$ 74.74** 1.1 lbs.	12	N/A	-	N/A	-
3/4"	1.05	**FLSC-105-Length**	**48.60** 0.6	25	**75.63** 1.2	12	**$ 116.99** 1.8 lbs.	2	N/A	-
1"	1.32	**FLSC-132-Length**	**50.00** 0.6	20	**77.59** 1.3	10	**120.12** 1.9	2	N/A	-
1-1/4"	1.66	**FLSC-166-Length**	**50.62** 0.7	18	**79.25** 1.4	12	**122.21** 2.1	2	N/A	-
1-1/2"	1.90	**FLSC-190-Length**	**51.82** 0.7	12	**82.08** 1.4	12	**126.09** 2.1	2	**$ 167.53** 2.8 lbs.	2
2"	2.38	**FLSC-238-Length**	**58.36** 1.2	10	**89.73** 2.3	12	**139.42** 3.4	2	**183.23** 4.1	2
2-1/2"	2.88	**FLSC-288-Length**	**63.58** 1.3	10	**104.07** 2.4	12	**157.78** 3.3	2	**212.45** 4.3	2
3"	3.50	**FLSC-350-Length**	**64.84** 1.30	10	**107.18** 2.60	6	**161.82** 3.8	1	**218.70** 5.6	1
4"	4.00	**FLSC-400-Length**	**66.99** 1.3	10	**109.17** 2.6	6	**165.74** 3.8	1	**222.83** 4.8	1
	4.50	**FLSC-450-Length**	**69.13** 1.4	10	**110.76** 2.9	6	**169.26** 3.9	1	**226.07** 5.5	1
5"	5.56	**FLSC-556-Length**	**73.42** 1.60	6	**123.14** 3.20	3	**184.93** 4.80	1	**251.33** 5.00	1
6"	6.00	**FLSC-600-Length**	**74.63** 1.5	6	**124.36** 2.45	2	**185.84** 4.8	1	**253.76** 7.4	1
	6.63	**FLSC-663-Length**	**75.21** 1.6	6	**125.99** 3.4	2	**189.31** 6.2	1	**257.14** 6.55	1
8"	8.00	**FLSC-800-Length**	**79.32** 2.00	3	**133.84** 3.5	2	**200.53** 6.40	1	**273.15** 7.70	1
	8.63	**FLSC-863-Length**	**81.79** 2.1	3	**137.21** 3.9	2	**206.00** 6.60	1	**280.00** 7.8	1
Bolt Quantity			**1**		**2**		**3**		**4**	

To Order: Specify catalog number and length of desired clamp. For example, an FLSC-190-6 would be a clamp for 1-1/2" standard steel pipe 6" long. **Please order by carton quantities.**

FORD WRAP CLAMPS

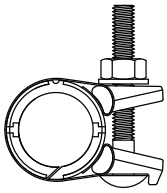
STYLE FSC-R - EPOXY COATED DUCTILE LUGS WITH NBR (BUNA-N) GASKET



Nom. Pipe Size	Pipe O.D. (In.)	3" Long Clamp (1-Bolt)				6" Long Clamp (2-Bolt)			
		Catalog Number	List Price	Armor Style	Ctn. Qty.	Catalog Number	List Price	Armor Style	Ctn. Qty.
1/2"	0.625	**FSC-063-3R**	**$ 54.14**	Dual	25	**FSC-063-6R**	**-**	Dual	**-**
	0.84	**FSC-084-3R**	0.7 lbs.	Single		**FSC-084-6R**	**$ 114.80**	Single	12
3/4"	0.875	**FSC-088-3R**	**54.84**	Dual	25	**FSC-088-6R**	**116.01**	Dual	12
	1.05	**FSC-105-3R**	0.7	Dual		**FSC-105-6R**	1.4 lbs.	Dual	
1"	1.125	**FSC-113-3R**	**58.06**	Dual	20	**FSC-113-6R**	**116.83**	Dual	10
	1.32	**FSC-132-3R**	0.8	Dual		**FSC-132-6R**	1.5	Dual	
1-1/4"	1.375	**FSC-138-3R**	**59.88**	Single	18	**FSC-138-6R**	**119.02**	Single	12
	1.66	**FSC-166-3R**	0.8	Dual		**FSC-166-6R**	1.6	Dual	
1-1/2"	1.625	**FSC-163-3R**	**61.13**	Single	12	**FSC-163-6R**	**120.44**	Single	12
	1.90	**FSC-190-3R**	0.9	Single		**FSC-190-6R**	1.8	Dual	
2"	2.125	**FSC-213-3R**	**66.55**	Single	10	**FSC-213-6R**	**123.65**	Single	12
	2.38	**FSC-238-3R**	1.4	Single		**FSC-238-6R**	2.8	Dual	

To Order: Specify catalog number. For example: An FSC-190-6R would be a 6" long clamp for 1-1/2" standard steel pipe. **Please order by carton quantities.**

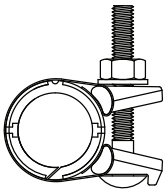
STYLE FLSC-R - ALL 304 STAINLESS WITH NBR (BUNA-N) GASKET



Nom. Pipe Size	Pipe O.D. (In.)	3" Long Clamp (1-Bolt)				6" Long Clamp (2-Bolt)			
		Catalog Number	List Price	Armor Style	Ctn. Qty.	Catalog Number	List Price	Armor Style	Ctn. Qty.
1/2"	0.625	**FLSC-063-3R**	**$ 87.17**	Dual	25	**N/A**	**-**	-	**-**
	0.84	**FLSC-084-3R**	0.7 lbs.	Single		**FLSC-084-6R**	**$ 160.55**	Single	12
3/4"	0.875	**FLSC-088-3R**	**87.86**	Dual	25	**FLSC-088-6R**	**161.78**	Dual	12
	1.05	**FLSC-105-3R**	0.7	Dual		**FLSC-105-6R**	1.4 lbs.	Dual	
1"	1.125	**FLSC-113-3R**	**90.99**	Dual	20	**FLSC-113-6R**	**162.58**	Dual	10
	1.32	**FLSC-132-3R**	0.7	Dual		**FLSC-132-6R**	1.5	Dual	
1-1/4"	1.375	**FLSC-138-3R**	**92.84**	Single	18	**FLSC-138-6R**	**164.72**	Single	12
	1.66	**FLSC-166-3R**	0.8	Dual		**FLSC-166-6R**	1.7	Dual	
1-1/2"	1.625	**FLSC-163-3R**	**94.07**	Single	12	**FLSC-163-6R**	**166.14**	Single	12
	1.9	**FLSC-190-3R**	0.9	Single		**FLSC-190-6R**	1.8	Dual	
2"	2.125	**FLSC-213-3R**	**104.28**	Single	10	**FLSC-213-6R**	**175.38**	Single	12
	2.38	**FLSC-238-3R**	1.50	Single		**FLSC-238-6R**	3.00	Dual	

To Order: Specify catalog number. Example, an FLSC-190-6R would be a 6" long clamp for 1-1/2" standard steel pipe. **Please order by carton quantities.**

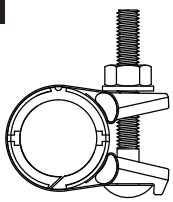
STYLE FSC-R2 - EPOXY COATED DUCTILE LUGS WITH DUAL ARMOR AND EPDM GASKET



Nom. Pipe Size	Pipe O.D. (In.)	3" Long Clamp (1-Bolt)			6" Long Clamp (2-Bolt)		
		Catalog Number	List Price	Ctn. Qty.	Catalog Number	List Price	Ctn. Qty.
1/2"	0.625	**FSC-063-3R2**	**$ 56.84**	25	**FSC-063-6R2**	**$ 120.53**	12
	0.84	**FSC-084-3R2**	0.7 lbs.		**FSC-084-6R2**	1.4 lbs.	
3/4"	0.875	**FSC-088-3R2**	**57.57**	25	**FSC-088-6R2**	**121.80**	12
	1.05	**FSC-105-3R2**	0.7		**FSC-105-6R2**	1.4	
1"	1.125	**FSC-113-3R2**	**60.97**	20	**FSC-113-6R2**	**122.69**	10
	1.32	**FSC-132-3R2**	0.8		**FSC-132-6R2**	1.5	
1-1/4"	1.375	**FSC-138-3R2**	**62.90**	18	**FSC-138-6R2**	**124.98**	12
	1.66	**FSC-166-3R2**	0.8		**FSC-166-6R2**	1.4	
1-1/2"	1.625	**FSC-163-3R2**	**64.22**	12	**FSC-163-6R2**	**126.47**	12
	1.9	**FSC-190-3R2**	0.9		**FSC-190-6R2**	1.8	
2"	2.125	**FSC-213-3R2**	**69.87**	10	**FSC-213-6R2**	**129.83**	12
	2.38	**FSC-238-3R2**	1.4		**FSC-238-6R2**	2.8	

Note: NBR (Buna-N) available, add "-N" to end of the part number. Contact factory for price.

STYLE FLSC-R2 - ALL 304 STAINLESS WITH DUAL ARMOR AND EPDM GASKET

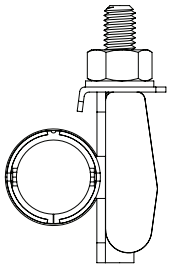


Nom. Pipe Size	Pipe O.D. (In.)	3" Long Clamp (1-Bolt)			6" Long Clamp (2-Bolt)		
		Catalog Number	List Price	Ctn. Qty.	Catalog Number	List Price	Ctn. Qty.
1/2"	0.625	**FLSC-063-3R2**	**$ 89.89**	25	**FLSC-063-6R2**	**$ 166.30**	-
	0.84	**FLSC-084-3R2**	0.7 lbs.		**FLSC-084-6R2**	1.4 lbs.	12
3/4"	0.875	**FLSC-088-3R2**	**90.59**	25	**FLSC-088-6R2**	**167.57**	12
	1.05	**FLSC-105-3R2**	0.7		**FLSC-105-6R2**	1.4	
1"	1.125	**FLSC-113-3R2**	**93.91**	20	**FLSC-113-6R2**	**168.43**	10
	1.32	**FLSC-132-3R2**	0.8		**FLSC-132-6R2**	1.5	
1-1/4"	1.375	**FLSC-138-3R2**	**95.82**	18	**FLSC-138-6R2**	**170.68**	12
	1.66	**FLSC-166-3R2**	0.8		**FLSC-166-6R2**	1.4	
1-1/2"	1.625	**FLSC-163-3R2**	**97.11**	12	**FLSC-163-6R2**	**172.17**	12
	1.9	**FLSC-190-3R2**	0.9		**FLSC-190-6R2**	1.8	
2"	2.125	**FLSC-213-3R2**	**107.61**	10	**FLSC-213-6R2**	**181.55**	12
	2.38	**FLSC-238-3R2**	1.4		**FLSC-238-6R2**	2.8	

Note: NBR (Buna-N) available, add "-N" to end of the part number. Contact factory for price.

FORD WRAP CLAMPS (WITH LIFTER BAR)

STYLE FSC1-R - STAINLESS STEEL LUGS WITH NBR (BUNA-N) GASKET

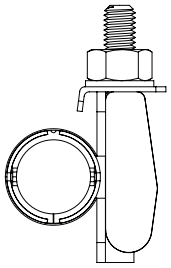


Nom. Pipe Size	Pipe O.D. (In.)	3" Long Clamp (1-Bolt)			6" Long Clamp (2-Bolt)		
		Catalog Number	List Price	Armor Style	Catalog Number	List Price	Armor Style
1/2"	0.625	**FSC1-063-3R**	**$ 67.67**	Dual	**FSC1-063-6R**	**$ 126.26**	Dual
	0.84	**FSC1-084-3R**	1.4 lbs.	Single	**FSC1-084-6R**	2.4 lbs.	Single
3/4"	0.875	**FSC1-088-3R**	**68.55**	Dual	**FSC1-088-6R**	**127.62**	Dual
	1.05	**FSC1-105-3R**	1.4	Dual	**FSC1-105-6R**	1.4	Dual
1"	1.125	**FSC1-113-3R**	**72.55**	Dual	**FSC1-113-6R**	**128.52**	Dual
	1.32	**FSC1-132-3R**	2.0	Dual	**FSC1-132-6R**	2.8	Dual
1-1/4"	1.375	**FSC1-138-3R**	**74.87**	Single	**FSC1-138-6R**	**130.91**	Single
	1.66	**FSC1-166-3R**	0.9	Dual	**FSC1-166-6R**	2.9	Dual
1-1/2"	1.625	**FSC1-163-3R**	**76.41**	Single	**FSC1-163-6R**	**132.52**	Single
	1.90	**FSC1-190-3R**	0.9	Single	**FSC1-190-6R**	3.0	Dual
2"	2.125	**FSC1-213-3R**	**83.17**	Single	**FSC1-213-6R**	**135.98**	Single
	2.38	**FSC1-238-3R**	2.1	Single	**FSC1-238-6R**	3.4	Dual

To Order: Specify catalog number. For example: An FSC1-190-6R would be a 6" long clamp for 1-1/2" standard steel pipe.

Note: EPDM gasket available, add "-EPDM" to end of the part number. Contact factory for price.

STYLE FSC1-R2 - STAINLESS STEEL WITH DUAL ARMOR AND EPDM GASKET

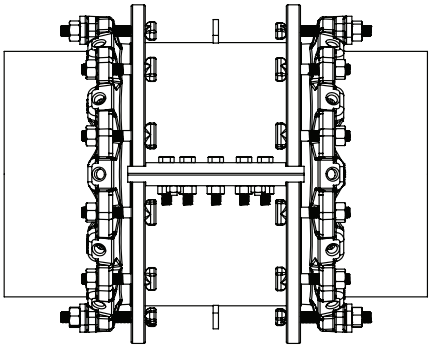


Nom. Pipe Size	Pipe O.D. (In.)	3" Long Clamp (1-Bolt)			6" Long Clamp (2-Bolt)		
		Catalog Number	List Price	Ctn. Qty.	Catalog Number	List Price	Ctn. Qty.
1/2"	0.625	**FSC1-063-3R2**	**$ 71.07**	-	**FSC1-063-6R2**	**$ 132.58**	-
	0.84	**FSC1-084-3R2**	0.75 lbs.		**FSC1-084-6R2**	2.8 lbs.	
3/4"	0.875	**FSC1-088-3R2**	**71.96**	-	**FSC1-088-6R2**	**134.01**	-
	1.05	**FSC1-105-3R2**	1.4		**FSC1-105-6R2**	1.4	
1"	1.125	**FSC1-113-3R2**	**76.18**	-	**FSC1-113-6R2**	**134.94**	-
	1.32	**FSC1-132-3R2**	2.0		**FSC1-132-6R2**	2.8	
1-1/4"	1.375	**FSC1-138-3R2**	**78.60**	-	**FSC1-138-6R2**	**137.46**	-
	1.66	**FSC1-166-3R2**	0.9		**FSC1-166-6R2**	2.9	
1-1/2"	1.625	**FSC1-163-3R2**	**80.23**	-	**FSC1-163-6R2**	**139.14**	-
	1.9	**FSC1-190-3R2**	1.8		**FSC1-190-6R2**	1.9	
2"	2.125	**FSC1-213-3R2**	**87.33**	-	**FSC1-213-6R2**	**142.80**	-
	2.38	**FSC1-238-3R2**	2.0		**FSC1-238-6R2**	3.0	

To Order: Specify catalog number. For example: An FSC1-190-6R2 would be a 6" long clamp for 1-1/2" standard steel pipe.

Note: NBR (Buna-N) available, add "-N" to end of the part number. Contact factory for price.

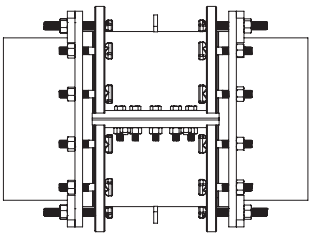
MECHANICAL JOINT SPLIT COUPLING



Nom. Pipe Size	*Pipe O.D. (In.)	Catalog Number	List Price
4"	4.50	**MJSC-450**	P.O.A.
	4.80	**MJSC-480**	P.O.A.
6"	6.63	**MJSC-663**	P.O.A.
	6.90	**MJSC-690**	P.O.A.
8"	8.63	**MJSC-863**	P.O.A.
	9.05	**MJSC-905**	P.O.A.
10"	10.75	**MJSC-1075**	P.O.A.
	11.10	**MJSC-1110**	P.O.A.
12"	12.75	**MJSC-1275**	P.O.A.
	13.20	**MJSC-1320**	P.O.A.
14"	14.00	**MJSC-1400**	P.O.A.
	15.30	**MJSC-1530**	P.O.A.
16"	16.00	**MJSC-1600**	P.O.A.
	17.40	**MJSC-1740**	P.O.A.
18"	18.00	**MJSC-1800**	P.O.A.
	19.50	**MJSC-1950**	P.O.A.
20"	20.00	**MJSC-2000**	P.O.A.
	21.60	**MJSC-2160**	P.O.A.
24"	24.00	**MJSC-2400**	P.O.A.
	25.80	**MJSC-2580**	P.O.A.

* Sleeve will accommodate AWWA pipe tolerances.

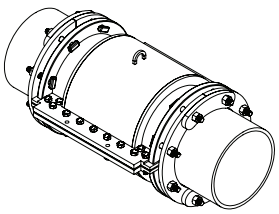
FORD STAINLESS STEEL MECHANICAL JOINT SPLIT COUPLING
STYLE MJSC



Nominal Pipe Size	Pipe O.D. (In.)	Catalog Number (304 Stainless Steel)	Catalog Number (316 Stainless Steel)	Approx. Sleeve Length	Approx. Overall Length	Max. Pipe Separation	List Price
4"	4.50	**MJSCX-450**	**MJSCQ-450**	10"	12-1/2"	5"	P.O.A.
	4.80	**MJSCX-480**	**MJSCQ-480**				
	5.00	**MJSCX-500**	**MJSCQ-500**				
6"	6.63	**MJSCX-663**	**MJSCQ-663**				
	6.90	**MJSCX-690**	**MJSCQ-690**				
	7.10	**MJSCX-710**	**MJSCQ-710**				
8"	8.63	**MJSCX-863**	**MJSCQ-863**				
	9.05	**MJSCX-905**	**MJSCQ-905**				
	9.30	**MJSCX-930**	**MJSCQ-930**				
10"	10.75	**MJSCX-1075**	**MJSCQ-1075**				
	11.10	**MJSCX-1110**	**MJSCQ-1110**				
	11.40	**MJSCX-1140**	**MJSCQ-1140**				
12"	12.75	**MJSCX-1275**	**MJSCQ-1275**				
	13.20	**MJSCX-1320**	**MJSCQ-1320**				
	13.50	**MJSCX-1350**	**MJSCQ-1350**				
14"	14.00	**MJSCX-1400**	**MJSCQ-1400**				
	15.30	**MJSCX-1530**	**MJSCQ-1530**				
	15.65	**MJSCX-1565**	**MJSCQ-1565**				
16"	16.00	**MJSCX-1600**	**MJSCQ-1600**				
	17.40	**MJSCX-1740**	**MJSCQ-1740**				
	17.80	**MJSCX-1780**	**MJSCQ-1780**				
18"	18.00	**MJSCX-1800**	**MJSCQ-1800**				
	19.50	**MJSCX-1950**	**MJSCQ-1950**				
	19.92	**MJSCX-1992**	**MJSCQ-1992**				
20"	20.00	**MJSCX-2000**	**MJSCQ-2000**				
	21.60	**MJSCX-2160**	**MJSCQ-2160**				
	22.06	**MJSCX-2206**	**MJSCQ-2206**				
24"	24.00	**MJSCX-2400**	**MJSCQ-2400**				
	25.80	**MJSCX-2580**	**MJSCQ-2580**				
	26.32	**MJSCX-2632**	**MJSCQ-2632**				
30"	30.00	**MJSCX-3000**	**MJSCQ-3000**				
	32.00	**MJSCX-3200**	**MJSCQ-3200**				
36"	36.00	**MJSCX-3600**	**MJSCQ-3600**				
	38.30	**MJSCX-3830**	**MJSCQ-3830**				

Note: Custom sizes available. Contact factory for information.

MECHANICAL JOINT BELL ENCAPSULATOR

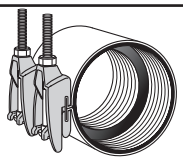


Nom. Pipe Size	Ductile Iron Pipe O.D. (In.)	Catalog Number	IPS and PIT Cast O.D. (In.)	Catalog Number	List Price
4"	4.80	**MJBE-480**	4.50	**MJBE-450-F**	P.O.A.
			5.00	**MJBE-500-F**	P.O.A.
6"	6.90	**MJBE-690**	6.63	**MJBE-663-F**	P.O.A.
			7.10	**MJBE-710-F**	P.O.A.
8"	9.05	**MJBE-905**	8.63	**MJBE-863-F**	P.O.A.
			9.30	**MJBE-930-F**	P.O.A.

For sizes 10" - 30" contact factory for details.
Note: "-F" indicates fabricated end rings.

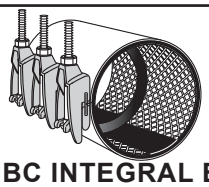
COUPLING AND BELL LEAK CLAMPS

FORD COUPLING AND INTEGRAL BELL CLAMP FOR PVC



STYLE FCC COUPLING CLAMP
(schedule 40 solvent weld PVC)

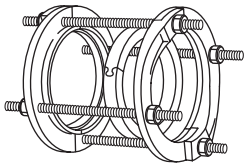
Nom. Pipe Size	O.D. Pipe (In.)	Catalog Number	Approx. Wt. Lbs.	List Price
2"	2.38	**FCC-238**	6.4	**$ 118.36**
2-1/2"	2.88	**FCC-288**	6.6	**124.28**
3"	3.50	**FCC-350**	6.7	**136.57**
3-1/2"	4.00	**FCC-400**	6.8	**147.96**
4"	4.50	**FCC-450**	7.1	**151.78**
5"	5.56	**FCC-556**	8.3	**162.26**
6"	6.63	**FCC-663**	8.5	**194.41**
8"	8.63	**FCC-863**	11.1	**217.32**



STYLE FIBC INTEGRAL BELL CLAMP
(class 160 and 200 solvent weld PVC)

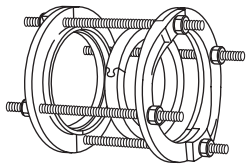
Nom. Pipe Size	O.D. Pipe (In.)	Catalog Number	Approx. Wt. Lbs.	List Price
2"	2.38	**FIBC-238**	8.4	**$ 148.50**
2-1/2"	2.88	**FIBC-288**	8.7	**164.98**
3"	3.50	**FIBC-350**	9.2	**173.06**
3-1/2"	4.00	**FIBC-400**	11.0	**179.33**
4"	4.50	**FIBC-450**	11.0	**194.79**
5"	5.56	**FIBC-556**	11.8	**212.51**
6"	6.63	**FIBC-663**	12.7	**240.48**
8"	8.63	**FIBC-863**	15.0	**265.11**

FORD BELL JOINT LEAK CLAMPS (STYLE FBC)
FOR PVC, STD. STEEL SIZE, SDR 26 AND SDR 21 (SBR gasket)



Nom. Pipe Size	O.D. Pipe (In.)	Catalog Number	Approx. Wt. Lbs.	No. of Bolts	List Price	Catalog Number For Gasket Only	List Price
2"	2.38	**FBC-238**	4.3	2	**$ 184.44**	**GBC-238**	**$ 20.88**
2-1/2"	2.88	**FBC-288**	4.3	2	**204.12**	**GBC-288**	**21.34**
3"	3.50	**FBC-350**	5.6	2	**229.59**	**GBC-350**	**21.89**
4"	4.50	**FBC-450**	11.4	4	**279.39**	**GBC-450**	**34.46**
6"	6.63	**FBC-663**	14.0	4	**307.67**	**GBC-663**	**34.92**
8"	8.63	**FBC-863**	16.7	4	**425.60**	**GBC-863**	**50.34**
10"	10.75	**FBC-1075**	24.6	6	**533.55**	**GBC-1075**	**59.55**
12"	12.75	**FBC-1275**	26.6	6	**578.76**	**GBC-1275**	**69.01**

FORD BELL JOINT LEAK CLAMPS (STYLE FBC)
FOR DUCTILE IRON, CAST IRON AND *C900 PIPE (NBR (BUNA-N) gasket)

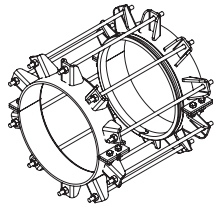


Nom. Pipe Size	O.D. Pipe (In.)	Catalog Number	Approx. Wt. Lbs.	No. of Bolts	List Price	Catalog Number For Gasket Only	List Price
4"	4.80-5.00	**FBC-500**	16.4	4	**$ 279.39**	**GBC-500**	**$ 34.46**
6"	6.90-7.10	**FBC-710**	19.3	4	**307.67**	**GBC-710**	**34.92**
8"	9.05-9.30	**FBC-930**	22.7	4	**425.60**	**GBC-930**	**50.34**
10"	11.10-11.40	**FBC-1140**	30.6	6	**533.55**	**GBC-1140**	**59.55**
12"	13.20-13.50	**FBC-1350**	33.2	6	**578.76**	**GBC-1350**	**69.01**

* For use on C900 PVC, add "-C900" to the end of the catalog number. Example: FBC-500-C900 This option will include longer bolts to accommodate a C900 PVC pipe bell.

Note: The rod length with the "-C900" option is too long to accommodate an iron pipe bell.

FABRICATED BELL JOINT LEAK CLAMPS (STYLE FBCF)
FOR DUCTILE IRON AND *C900 PIPE



Nom. Pipe Size	Size	Catalog Number	Max Bell Clearance	No. of Bolts	Approx. Wt. Lbs.	List Price	Catalog Number For Gasket Only	List Price
14"	15.30"	**FBCF-1530**	23-1/2"	8	142.6	**$ 3235.94**	**GBC-1530**	**$ 79.35**
16"	17.40"	**FBCF-1740**	25-9/16"	8	150.4	**3505.70**	**GBC-1740**	**90.24**
18"	19.50"	**FBCF-1950**	27-11/16"	10	175.3	**3869.83**	**GBC-1950**	**101.13**
20"	21.60"	**FBCF-2160**	29-13/16"	10	183.3	**3901.24**	**GBC-2160**	**112.02**
24"	25.80"	**FBCF-2580**	34"	12	216.0	**4414.47**	**GBC-2580**	**133.82**
30"	32.00"	**FBCF-3200**	40-3/16"	16	273.2	**4924.44**	**GBC-3200**	**165.97**
36"	38.30"	**FBCF-3830**	46-1/2"	18	313.9	**5383.58**	**GBC-3830**	**198.64**

* For use on C900 PVC, add "-C900" to the end of the catalog number.
Example: FBCF-1530-C900. This option will include longer bolts to accommodate a C900 PVC pipe bell.

Note: The rod length with the "-C900" option is too long to accommodate an iron pipe bell.

Note: Contact factory for larger pipe bells.

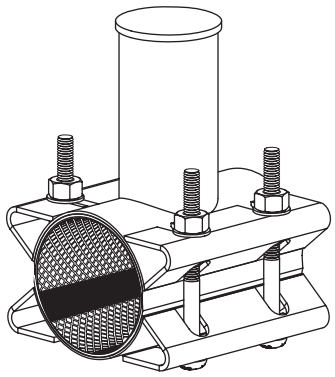
BOLT EXTENSION KIT

The bell joint leak clamp requires extra long bolts to repair CertainTeed PVC pipe couplings. Bolt extension kits are available and may be ordered from the table below.

Catalog Number	Size	Quantity Per Kit	For Use With	List Price
BEK-1-4	1/2"	4	FBC-450 FBC-663 FBC-863	**$ 18.78**
BEK-1-6	1/2"	6	FBC-1075 FBC-1275	**25.14**
BEK-2-4	5/8"	4	FBC-930	**28.14**
BEK-2-6	5/8"	6	FBC-1140 FBC-1350	**37.58**

Note: An extra gasket is required to repair PVC pipe coupling manufactured by CertainTeed.

FORD ABANDONED CORP CAP (FACC STYLE)



Size	Range (In.)	Item Number	List Price	With Optional Test Port	List Price
4"	4.50-4.80	**FACC-480**	**$ 1264.59**	**FACC-480-TP**	**$ 1301.26**
	4.80-5.00	**FACC-500**		**FACC-500-TP**	
	5.10-5.30	**FACC-530**		**FACC-530-TP**	
	5.20-5.40	**FACC-540**		**FACC-540-TP**	
* 6"	6.63-7.00	**FACC-700**	**1372.66**	**FACC-700-TP**	**1409.32**
	6.90-7.30	**FACC-730**		**FACC-730-TP**	
	7.30-7.50	**FACC-750**		**FACC-750-TP**	
* 8"	8.63-9.05	**FACC-905**	**1420.14**	**FACC-905-TP**	**1456.82**
	9.05-9.30	**FACC-930**		**FACC-930-TP**	
	9.30-9.60	**FACC-960**		**FACC-960-TP**	
	9.45-9.75	**FACC-975**		**FACC-975-TP**	
* 10"	10.75-11.10	**FACC-1110**	**1460.85**	**FACC-1110-TP**	**1497.51**
	11.10-11.40	**FACC-1140**		**FACC-1140-TP**	
	11.40-11.70	**FACC-1170**		**FACC-1170-TP**	
	11.85-12.15	**FACC-1215**		**FACC-1215-TP**	
* 12"	12.75-13.20	**FACC-1320**	**1529.14**	**FACC-1320-TP**	**1565.83**
	13.20-13.50	**FACC-1350**		**FACC-1350-TP**	
	13.50-13.80	**FACC-1380**		**FACC-1380-TP**	
	14.10-14.40	**FACC-1440**		**FACC-1440-TP**	
* 14"	15.30-15.70	**FACC-1570**	**1706.96**	**FACC-1570-TP**	**1743.65**
	15.80-16.20	**FACC-1620**		**FACC-1620-TP**	
	16.48-16.88	**FACC-1688**		**FACC-1688-TP**	
* 16"	17.40-17.80	**FACC-1780**	**1762.61**	**FACC-1780-TP**	**1799.29**
	17.75-18.15	**FACC-1815**		**FACC-1815-TP**	
	18.15-18.60	**FACC-1860**		**FACC-1860-TP**	
	18.80-19.20	**FACC-1920**		**FACC-1920-TP**	
* 18"	19.50-19.92	**FACC-1992**	**2250.48**	**FACC-1992-TP**	**2287.17**
	19.80-20.20	**FACC-2020**		**FACC-2020-TP**	
* 20"	20.20-20.60	**FACC-2060**	**2293.06**	**FACC-2060-TP**	**2329.71**
	21.20-21.60	**FACC-2160**		**FACC-2160-TP**	
* 24"	23.80-24.20	**FACC-2420**	**2503.84**	**FACC-2420-TP**	**2540.51**
	25.60-26.00	**FACC-2600**		**FACC-2600-TP**	
	26.20-26.60	**FACC-2660**		**FACC-2660-TP**	

*** Optional:** A 6" cap is available to encapsulate 1-1/4" through 2" corporation stops. Add "-XL" to the end of the catalog number. Sleeve length will increase from 8" to 12". Add. . . . . **$ 355.82**

EMERGENCY REPAIR CLAMP KIT - 12.5" WIDE BANDS

Catalog Number	Description	Approx. Wt. Lbs.	List Price
FSERK	Complete Repair Clamp Kit	100.6	**$ 2501.61**

COMPONENT PARTS

Catalog Number	Description	Approx. Wt. Lbs.	List Price
* **FS2-524-125-FSERK**	4" Stainless Steel Repair Clamp	15.4	**$ 430.40**
* **FS2-742-125-FSERK**	6" Stainless Steel Repair Clamp	15.0	**484.02**
FS1-A-125-EPDM	Stainless Steel Band “A”	9.3	**268.34**
FS1-B-125-EPDM	Stainless Steel Band “B”	9.3	**282.71**
FS1-C-125-EPDM	Stainless Steel Band “C”	10.6	**300.10**
FS1-D-125-EPDM	Stainless Steel Band “D”	10.5	**321.11**
FS1-E-125-EPDM	Stainless Steel Band “E”	12.0	**325.95**
FN-58-SH-EP3	Stainless Steel Nut	0.1	**4.92**
FW-58-SS	Stainless Steel Washer	0.0	**1.99**
LIFTERBAR-55034-02	Stainless Steel Lifter Bar	0.4	**55.58**
FSERK-BOX	Plastic Carrier Box	28.0	**406.05**
FSERK-FOAM	Foam Insert for Box	0.7	**197.78**
OD-TAPE	O.D. Tape Measure	0.2	**18.04**
FLP-10	Lube Packet	0.1	**7.82**

* To order half of the repair clamp, add “-1SEC” to the catalog number. Example: FS2-524-125-FSERK-1SEC. Contact factory for pricing.

EMERGENCY REPAIR CLAMP KIT - 15" WIDE BANDS

Catalog Number	Description	Approx. Wt. Lbs.	List Price
FSERK-L15	Complete Repair Clamp Kit	125.0	**$ 2801.50**

COMPONENT PARTS

Catalog Number	Description	Approx. Wt. Lbs.	List Price
* **FS2-524-15-FSERK**	4" Stainless Steel Repair Clamp	14.3	**$ 521.66**
* **FS2-742-15-FSERK**	6" Stainless Steel Repair Clamp	16.7	**604.56**
FS1-A-15-EPDM	Stainless Steel Band “A”-15"	8.7	**317.53**
FS1-B-15-EPDM	Stainless Steel Band “B”-15"	10.2	**341.24**
FS1-C-15-EPDM	Stainless Steel Band “C”-15"	11.9	**357.18**
FS1-D-15-EPDM	Stainless Steel Band “D”-15"	12.5	**381.77**
FS1-E-15-EPDM	Stainless Steel Band “E”-15"	13.8	**397.18**
FN-58-SH-EP3	Stainless Steel Nut	0.1	**4.92**
FW-58-SS	Stainless Steel Washer	0.0	**1.99**
LIFTERBAR-55028-02	Stainless Steel Lifter Bar-15"	0.5	**55.86**
FSERK-BOX	Plastic Carrier Box	28.0	**406.05**
FSERK-FOAM	Foam Insert for Box	0.7	**197.78**
OD-TAPE	O.D. Tape Measure	0.2	**18.04**
FLP-10	Lube Packet	0.1	**7.82**

* To order half of the repair clamp, add “-1SEC” to the catalog number. Example: FS2-524-15-FSERK-1SEC. Contact factory for pricing.



OPTIONAL TAPPED PANEL

TO ORDER a tapped panel for use on the Emergency Repair Clamp Kit, add the tap code from the table.

FORD TAPPED REPAIR CLAMPS - CC AND IP TAPS

CC (AWWA) Thread Tap Codes

Size	Tap Code Number	Min. Clamp Size			Add on List Price
		F1, FLS1, FS1	F2 F2W	FS2 FLS2	
3/4"	CC3	2.63	5.60	5.24	**$ 92.86**
1"	CC4	2.63	5.60	5.24	**92.86**
1-1/4"	*CC5	3.25	5.60	5.24	**119.87**
1-1/2"	CC6	3.25	5.60	5.24	**119.87**
2"	CC7	4.00	5.60	5.57	**148.69**

* Restrictions apply

IP Thread Tap Codes

Size	Tap Code Number	Min. Clamp Size			Add on List Price
		F1, FLS1, FS1	F2 F2W	FS2 FLS2	
3/4"	IP3	2.63	5.60	5.24	**$ 92.86**
1"	IP4	2.63	5.60	5.24	**92.86**
1-1/4"	*IP5	3.25	5.60	5.24	**119.87**
1-1/2"	IP6	3.25	5.60	5.24	**119.87**
2"	IP7	3.70	5.60	5.57	**133.09**

* Restrictions apply

* See table for largest tap size available per panel

Band	Largest Tap Size	
	CC	IP
A	CC4	IP4
B	CC7	IP7
C	CC7	IP7
D	CC7	IP7
E	CC7	IP7
FS2-524-125	CC6	IP6
FS2-742-125	CC7	IP7

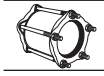
316 STAINLESS STEEL

TO ORDER the Emergency Repair Clamp Kit in 316 stainless steel, add “-Q” to the kit or stainless steel component part number. Contact factory for pricing.

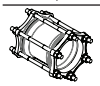
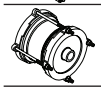
HDPE ACCESSORY KIT

Catalog Number	Description	Approx. Wt. Lbs.	List Price
FSERK-HDPE-KIT	Belleville Washer Pack for FSERK-L125	3.7	**$ 348.65**
FSERK-HDPE-KIT-L15	Belleville Washer Pack for FSERK-L15	4.6	**443.33**
FSERK-HDPE-KIT-L20	Belleville Washer Pack for FSERK-L20	3.7	**664.97**
FSERK-HDPE-KIT-L24	Belleville Washer Pack for FSERK-L24	6.3	**775.80**

PIPE COUPLINGS
SECTION M

Product	Product Style Identification	Product Description	Nom. Pipe Size	Page No.
	BOAL	Fabricated Two-Bolt Coupling	4"-12"	M-3
	BOALFCA	Fabricated Flanged Coupling Adapters	4"-12"	M-4
	FC2W	“Ultra-Flex” Wide Range Couplings	3"-12"	M-5
	FC2W-L12	“Ultra-Flex” Wide Range Couplings with 12" Long Center Sleeve	3"-12"	M-6
	FC3	Standard Steel Coupling	1/2"-12"	M-7
	FC4	Steel Coupling	3"-60"	M-8, 9
	FC4X and FC4Q	Stainless Steel Coupling	3"-60"	M-10, 11
	200	Baker Steel Coupling	24"-240"	M-12
	200X and 200Q	Baker Stainless Steel Coupling	24"-240"	M-13
	208	Baker Steel Coupling (12" and longer sleeve)	24"-240"	M-14
	208X and 208Q	Baker Stainless Steel Coupling (12" and longer sleeve)	24"-240"	M-15
	216	Baker Steel Coupling with Insulating Boot	24"-240"	M-16
	216X and 216Q	Baker Stainless Steel Coupling with Insulating Boot	24"-240"	M-17
	FC1	Ductile Iron Coupling	2"-12"	M-18
	FC1-L12	Extended Length Ductile Iron Coupling	4"-6"	M-18
	Component Parts	FC1 and FC1-L12 Component Parts	2"-12"	M-19
	FC2A	Transition Coupling	2"-24"	M-20
	FC2A	Component Parts	2"-24"	M-21
	FC2A-L12	Transition Coupling (12" Long Center Sleeve)	4"-12"	M-22
	FC2A-L12	Component Parts	4"-12"	M-23
	FC23/FC24	Steel Transition Coupling	14"-24"	M-24, 25, 26
	FC5	Steel Transition Coupling	4"-48"	M-27
	FC5X and FC5Q	Stainless Steel Transition Coupling	14"-48"	M-28

M

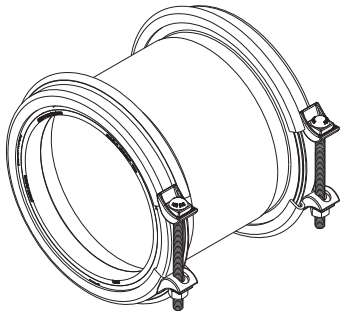
Product	Product Style Identification	Product Description	Nom. Pipe Size	Page No.
	212	Baker Steel Transition Coupling	24"-240"	M-29
	212X and 212Q	Baker Stainless Steel Transition Coupling	24"-240"	M-30
	FC6	Steel Reducing Coupling	2"-60"	M-31
	FC6X and FC6Q	Stainless Steel Reducing Coupling	2"-60"	M-32
	220	Baker Steel Reducing Coupling	24"-240"	M-33
	220X and 220Q	Baker Stainless Steel Reducing Coupling	24"-240"	M-34
	FCA	Steel Flange Coupling Adapter	4"-48"	M-35, 36
	FCAX and FCAQ	Stainless Steel Flange Reducing Coupling Adapter	4"-48"	M-37, 38
	602	Baker Steel Flange Coupling Adapter	24"-120"	M-39
	602X and 602Q	Baker Stainless Steel Flange Coupling Adapter	24"-120"	M-39
	603	Baker Steel Flange Reducing Coupling Adapter	24"-120"	M-40
	603X and 603Q	Baker Stainless Steel Flange Reducing Coupling Adapter	24"-120"	M-41
	FFCA	Flanged Coupling Adapter	3"-8"	M-42
	MJC	Mechanical Joint Coupling	4"-12"	M-42
	MJFA	Mechanical Joint Flange Adapter	3"-12"	M-43
	FC2W-EC	End Cap for Ultra-Flex Wide Range Couplings	4"-12"	M-43
	FC4 End Cap	Steel Coupling with End Cap	14"-24"	M-44
	FC4X and FC4Q End Cap	Stainless Steel Coupling with End Cap	14"-24"	M-45
	FEC	End Cap Coupling	4"-12"	M-46
	FRR	Cut-in Coupling	4"-12"	M-46
	FIB	SBR Insulating Boot	4"-12"	M-46
	Stainless Inserts	Stainless Steel Insert Stiffeners	3"-36"	M-47
	Flange Lugs	Flange Lug for Restrained Connections		M-48

FORD BOALINQ™ COUPLINGS - 4"-12"
STYLE BOAL - FABRICATED STEEL TWO-BOLT COUPLING

BOAL - 4

PRODUCT IDENTIFICATION
Fabricated two-bolt coupling

NOMINAL PIPE SIZE
4 = 4"
6 = 6"
8 = 8"
10 = 10"
10-OS = 10" oversized
12 = 12"
12-OS = 12" oversized



Nominal Pipe Size (In.)	Catalog Number	Total Range (In.)	Range With Inner Gasket (In.)	Range Without Inner Gasket (In.)	Unit Weight	Unit Price
4	**BOAL-4**	4.25 - 5.63	4.25 - 5.00	4.92 - 5.63	18	**$ 405.52**
6	**BOAL-6**	6.42 - 7.68	6.42 - 7.05	7.01 - 7.68	25	**537.06**
8	**BOAL-8**	8.54 - 9.84	8.54 - 9.17	9.13 - 9.84	30	**606.36**
10	**BOAL-10**	10.70 - 12.00	10.70 - 11.37	11.33 - 12.00	36	**780.04**
10 Over Sized	**BOAL-10-OS**	10.96 - 12.26	10.96 - 11.63	11.59 - 12.26	37	**797.99**
12	**BOAL-12**	12.40 - 13.66	12.40 - 13.03	12.99 - 13.66	41	**925.25**
12 Over Sized	**BOAL-12-OS**	13.15 - 14.41	13.15 - 13.78	13.74 - 14.41	43	**1,099.63**

FORD BOALINQ™ FLANGED COUPLING ADAPTERS - 4"-12"
STYLE BOALFCA - FABRICATED FLANGED COUPLING ADAPTER

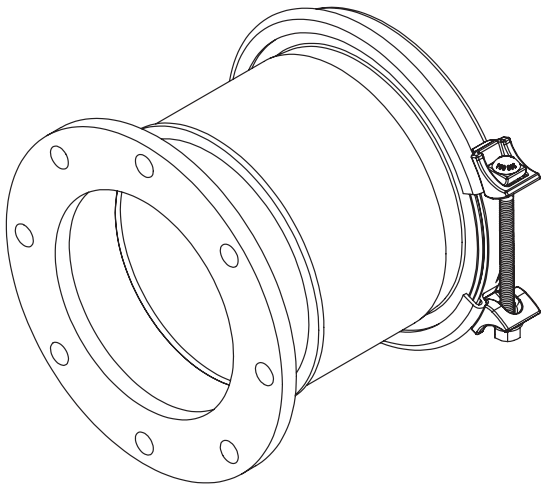
BOALFCA - 4 - Dx

PRODUCT IDENTIFICATION
Fabricated flanged coupling adapter

NOMINAL PIPE SIZE
4 = 4"
6 = 6"
8 = 8"
10 = 10"
12 = 12"

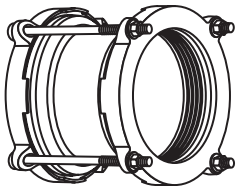
Flange:
D = Class D / 150 pound drilling
E - Class E / 150 pound drilling
F = Class F / 250 pound drilling

Nominal Flange Size in Inches



Nominal Pipe Size (In.)	Catalog Number	Flange Size	Total Range (In.)	Range With Inner Gasket (In.)	Range Without Inner Gasket (In.)	Unit Weight	Unit Price
4	**BOALFCA-4**	4	4.25 - 5.63	4.25 - 5.00	4.92 - 5.63	29	**$ 731.60**
6	**BOALFCA-6**	6	6.42 - 7.68	6.42 - 7.05	7.01 - 7.68	39	**775.04**
8	**BOALFCA-8**	8	8.54 - 9.84	8.54 - 9.17	9.13 - 9.84	49	**983.84**
10	**BOALFCA-10**	10	10.70 - 12.00	10.70 - 11.37	11.33 - 12.00	51	**1049.96**
12	**BOALFCA-12**	12	12.40 - 13.66	12.40 - 13.03	12.99 - 13.66	67	**1350.52**

FORD "ULTRA-FLEX" WIDE RANGE COUPLINGS-STYLE FC2W

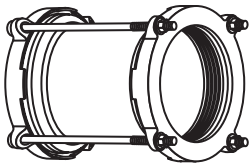


Nom. Pipe Size	Range (Inches)	Range (mm)	Catalog Number	Number of Bolts	Sleeve Length	Approx. Wt. Lbs.	List Price	
							Standard Cplg. Includes Epoxy	Stainless Steel Bolt Option *X
3"	2.50-4.29	63.5-109.0	**FC2W-3**	3	7"	26.7	**$ 288.32**	**$ 393.39**
4"	3.96-5.60	100.6-142.2	**FC2W-4**	4	7"	34.2	**311.07**	**457.46**
6"	6.23-7.60	158.2-193.0	**FC2W-6**	4	7"	44.6	**440.00**	**586.38**
8"	8.40-9.75	213.3-247.6	**FC2W-8**	4	7"	52.6	**513.71**	**660.04**
10"	10.75-12.12	273.0-307.8	**FC2W-10**	6	9"	76.1	**657.33**	**903.51**
12"	12.75-14.38	323.8-365.25	**FC2W-12**	6	9"	92.2	**775.67**	**1021.87**
16"	16.00-17.80	406.4-452.12	**FC2W-16**	8	10"	131.0	**1768.20**	**2091.11**

Epoxy coating and NBR (Buna-N) gaskets are standard with FC2W couplings.
* **X** = Option for FC2W couplings with stainless steel nuts and bolts. Add "**X**" to the catalog number. Example: FC2W-6-X

COMPONENT PARTS FOR STYLE FC2W "ULTRA-FLEX" WIDE RANGE COUPLINGS
ALL COMPONENTS ARE PRICED "EACH"

Nom. Pipe Size	Gasket Cat. No.	List Price	End Ring Cat. No.	List Price	Center Sleeve Cat. No.	List Price	Nuts and Bolts Cat. no.	List Price
3"	**FC2WG-3**	**$ 38.21**	**FC2W-ER-3**	**$ 36.66**	**FC2W-CS-3**	**$ 84.02**	**FBN-58-1125**	**$ 18.68**
4"	**FC2WG-4**	**41.93**	**FC2W-ER-4**	**40.00**	**FC2W-CS-4**	**86.01**	**FBN-58-1125**	**18.68**
6"	**FC2WG-6**	**63.43**	**FC2W-ER-6**	**61.01**	**FC2W-CS-6**	**126.92**	**FBN-58-1125**	**18.68**
8"	**FC2WG-8**	**74.21**	**FC2W-ER-8**	**69.56**	**FC2W-CS-8**	**161.92**	**FBN-58-1125**	**18.68**
10"	**FC2WG-10**	**80.98**	**FC2W-ER-10**	**71.03**	**FC2W-CS-10**	**198.56**	**FBN-58-135**	**24.09**
12"	**FC2WG-12**	**100.73**	**FC2W-ER-12**	**81.51**	**FC2W-CS-12**	**252.98**	**FBN-58-135**	**24.09**
16"	**FC2WG-16**	**228.58**	**FC2W-ER-16**	**263.12**	**FC2W-CS-16**	**690.80**	**FBN-58-155**	**28.54**



FORD "ULTRA-FLEX" WIDE RANGE COUPLINGS WITH 12" LONG CENTER SLEEVES-STYLE FC2W-L12

Nom. Pipe Size	Range (Inches)	Range (mm)	Catalog Number	Number of Bolts	Approx. Sleeve Length	Approx. Wt. Lbs.	List Price	
							Standard Cplg. Includes Epoxy	Stainless Steel Bolt Option *X
3"	2.50-4.29	63.5-109.0	**FC2W-3-L12**	3	12"	35.9	**$ 380.73**	**$ 460.76**
4"	3.96-5.60	100.6-142.2	**FC2W-4-L12**	4	12"	44.7	**454.43**	**561.14**
6"	6.23-7.60	158.2-193.0	**FC2W-6-L12**	4	12"	56.1	**576.46**	**683.15**
8"	8.40-9.75	213.3-247.6	**FC2W-8-L12**	4	12"	70.6	**798.43**	**905.19**
10"	10.75-12.12	273.0-307.8	**FC2W-10-L12**	6	12"	89.6	**933.09**	**1093.14**
12"	12.75-14.38	323.8-365.25	**FC2W-12-L12**	6	12"	108.6	**1110.72**	**1270.78**

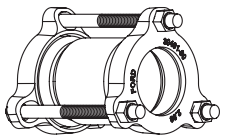
Epoxy coating and NBR (Buna-N) gaskets are standard with FC2W couplings.
* **X** = Option for FC2W couplings with stainless steel nuts and bolts. Add "**X**" to the catalog number. Example: FC2W-6-L12-X

COMPONENT PARTS FOR STYLE FC2W-L12 "ULTRA-FLEX" WIDE RANGE COUPLINGS
ALL COMPONENTS ARE PRICED "EACH"

Nom. Pipe Size	Gasket Cat. No.	List Price	End Ring Cat. No.	List Price	12" Center Sleeve Cat. No.	List Price	Nuts and Bolts Cat. no.	List Price
3"	**FC2WG-3**	**$ 38.21**	**FC2W-ER-3**	**$ 36.66**	**FC2W-CS-3-L12**	**$ 189.87**	**FBN-58-165**	**$ 29.94**
4"	**FC2WG-4**	**41.93**	**FC2W-ER-4**	**40.00**	**FC2W-CS-4-L12**	**202.82**	**FBN-58-165**	**29.94**
6"	**FC2WG-6**	**63.43**	**FC2W-ER-6**	**61.01**	**FC2W-CS-6-L12**	**238.12**	**FBN-58-165**	**29.94**
8"	**FC2WG-8**	**74.21**	**FC2W-ER-8**	**69.56**	**FC2W-CS-8-L12**	**422.23**	**FBN-58-165**	**29.94**
10"	**FC2WG-10**	**80.98**	**FC2W-ER-10**	**71.03**	**FC2W-CS-10-L12**	**494.04**	**FBN-58-165**	**29.94**
12"	**FC2WG-12**	**100.73**	**FC2W-ER-12**	**81.51**	**FC2W-CS-12-L12**	**612.90**	**FBN-58-165**	**29.94**

FORD STANDARD STEEL COUPLINGS
STYLE FC3 - 1/2" THROUGH 12"

How to order FC3 couplings: Use catalog numbers listed below.



Nom. Pipe Size	Pipe O.D.	Sleeve Length	Catalog Number	Number of Bolts	Bolt Dia. and Length	Approx.Wt. Lbs.	List Price
1/2"	.84	5"	**FC3-084-5**	2	1/2" x 7"	2.3	**$ 69.81**
		7"	**FC3-084-7**	2	1/2" x 9"	2.9	**80.91**
3/4"	1.05	5"	**FC3-105-5**	2	1/2" x 7"	2.4	**76.24**
		7"	**FC3-105-7**	2	1/2" x 9"	3.1	**80.45**
		12"	**FC3-105-12**	2	1/2" x 14"	4.5	**140.90**
1"	1.32	5"	**FC3-132-5**	2	1/2" x 7"	2.9	**83.06**
		7"	**FC3-132-7**	2	1/2" x 9"	3.4	**101.34**
		12"	**FC3-132-12**	2	1/2" x 14"	5.0	**139.77**
1-1/4"	1.66	5"	**FC3-166-5**	2	1/2" x 7"	3.3	**83.55**
		7"	**FC3-166-7**	2	1/2" x 9"	3.9	**107.79**
		12"	**FC3-166-12**	2	1/2" x 14"	5.6	**157.51**
1-1/2"	1.90	5"	**FC3-190-5**	2	1/2" x 7"	3.4	**96.89**
		7"	**FC3-190-7**	2	1/2" x 9"	4.1	**107.79**
		12"	**FC3-190-12**	2	1/2" x 14"	6.6	**167.65**
2"	2.38	5"	**FC3-238-5**	2	5/8" x 8"	5.2	**125.80**
		5"	* **FC3-238-5-H**	3	5/8" x 8"	5.2	**133.25**
		7"	**FC3-238-7**	2	5/8" x 10.5"	6.1	**143.04**
		7"	* **FC3-238-7-H**	3	5/8" x 10.5"	6.1	**154.60**
		12"	**FC3-238-12**	2	5/8" x 15"	8.3	**195.87**
		12"	* **FC3-238-12-H**	3	5/8" x 15"	8.3	**207.72**
2-1/2"	2.88	5"	**FC3-288-5**	3	5/8" x 8"	9.0	**171.39**
		7"	**FC3-288-7**	3	5/8" x 10.5"	11.3	**190.48**
		12"	**FC3-288-12**	3	5/8" x 15"	17.0	**267.33**
		24"	**FC3-288-24**	3	5/8" x 27.38"	28.0	**343.13**
3"	3.50	5"	**FC3-350-5**	4	5/8" x 8"	11.0	**187.56**
		7"	**FC3-350-7**	4	5/8" x 10.5"	12.0	**205.09**
		12"	**FC3-350-12**	4	5/8" x 15"	19.0	**284.34**
		24"	**FC3-350-24**	4	5/8" x 27.38"	27.0	**430.59**
4"	4.50	5"	**FC3-450-5**	4	5/8" x 8"	15.0	**219.26**
		7"	**FC3-450-7**	4	5/8" x 10.5"	18.0	**237.85**
		12"	**FC3-450-12**	4	5/8" x 15"	23.0	**356.61**
		16"	**FC3-450-16**	4	5/8" x 20"	27.4	**471.33**
		24"	**FC3-450-24**	4	5/8" x 27.38"	37.0	**663.69**
	4.80	5"	**FC3-480-5**	4	5/8" x 8"	38.5	**260.97**
		7"	**FC3-480-7**	4	5/8" x 10.5"	38.9	**395.01**
		12"	**FC3-480-12**	4	5/8" x 15"	40.5	**450.37**
6"	6.63	5"	**FC3-663-5**	6	5/8" x 8"	24.2	**327.19**
		7"	**FC3-663-7**	6	5/8" x 10.5"	27.0	**364.96**
		12"	**FC3-663-12**	6	5/8" x 15"	39.0	**582.20**
		16"	**FC3-663-16**	6	5/8" x 20"	48.0	**699.96**
		24"	**FC3-663-24**	6	5/8" x 27.38"	65.0	**891.28**
	6.90	5"	**FC3-690-5**	6	5/8" x 8"	30.0	**455.71**
		16"	**FC3-690-16**	6	5/8" x 20"	48.0	**898.20**
8"	8.63	5"	**FC3-863-5**	6	5/8" x 8"	32.0	**456.20**
		7"	**FC3-863-7**	6	5/8" x 10.5"	37.0	**500.73**
		12"	**FC3-863-12**	6	5/8" x 15"	49.0	**661.79**
		16"	**FC3-863-16**	6	5/8" x 20"	61.0	**825.29**
		24"	**FC3-863-24**	6	5/8" x 27.38"	72.0	**1299.94**
12"	12.75	16"	**FC3-1275-16**	8	5/8" x 20"	87.0	**1219.44**

* Three-bolt style

Note: Larger sizes are detailed as style FC4 on pages M-7 and M-8 or as style FC23 on page M-23 through M-25.

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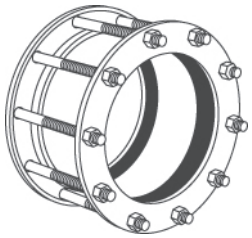
FORD STANDARD STEEL COUPLINGS

STYLE FC4 - 3" THROUGH 60"

Listed are common sizes of FC4 couplings. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact customer service for pricing.

***** For stainless steel bolts and epoxy coating options, substitute the "X" or "Y" code for the standard catalog number "R" code.

Example: FC4-1400-A05**Y** has epoxy coating and stainless steel bolts.

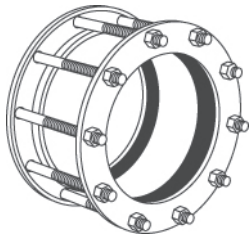


Nom. Pipe Size	Pipe O.D.	Sleeve Thickness and Length	Standard Catalog Number	Rated Working Pressure	Number of Bolts	Approx. Wt. Lbs.	List Price: Standard Coupling	List Price: *Optional Feature Codes: Stainless Steel Bolts X	List Price: *Optional Feature Codes: Epoxy Coat and S.S. Bolts Y
3"-12"	Contact customer service for Pricing and Availability								
14"	14.00	1/4" x 5"	**FC4-1400-A05R**	472	9	66.2	**$ 782.10**	**$ 864.90**	**$ 1127.92**
	14.00	1/4" x 7"	**FC4-1400-A07R**	472	9	74.2	**818.34**	**997.03**	**1355.72**
	14.00	1/4" x 10"	**FC4-1400-A10R**	472	9	86.7	**1112.37**	**1429.12**	**1835.60**
	15.30	1/4" x 5"	**FC4-1530-A05R**	434	9	72.5	**804.59**	**991.84**	**1278.78**
	15.30	1/4" x 7"	**FC4-1530-A07R**	434	9	81.1	**872.93**	**1155.44**	**1538.03**
	15.30	3/8" x 7"	**FC4-1530-B07R**	592	9	94.9	**994.50**	**1293.55**	**1733.46**
	15.30	1/4" x 10"	**FC4-1530-A10R**	434	9	94.7	**1177.99**	**1494.76**	**1921.88**
	15.30	3/8" x 10"	**FC4-1530-B10R**	592	9	114.3	**1234.00**	**1550.72**	**2071.95**
	15.65	3/8" x 7"	**FC4-1565-B07R**	583	9	95.8	**1018.32**	**1300.75**	**1740.73**
	15.65	3/8" x 10"	**FC4-1565-B10R**	583	9	115.5	**1273.80**	**1590.52**	**2111.76**
16"	16.00	1/4" x 5"	**FC4-1600-A05R**	416	10	75.3	**826.89**	**1034.94**	**1331.48**
	16.00	1/4" x 7"	**FC4-1600-A07R**	416	10	84.3	**872.93**	**1186.82**	**1583.78**
	16.00	1/4" x 10"	**FC4-1600-A10R**	416	10	98.5	**1219.96**	**1516.76**	**1975.87**
	17.40	1/4" x 5"	**FC4-1740-A05R**	385	10	82.3	**838.63**	**1046.64**	**1371.81**
	17.40	1/4" x 7"	**FC4-1740-A07R**	385	10	92.0	**909.84**	**1223.69**	**1649.32**
	17.40	3/8" x 7"	**FC4-1740-B07R**	567	10	107.6	**1101.36**	**1415.26**	**1907.83**
	17.40	1/4" x 10"	**FC4-1740-A10R**	385	10	107.4	**1259.49**	**1611.37**	**2099.16**
	17.40	3/8" x 10"	**FC4-1740-B10R**	567	10	129.6	**1377.60**	**1729.51**	**2312.93**
	17.80	3/8" x 7"	**FC4-1780-B07R**	540	10	108.4	**1121.98**	**1415.26**	**1907.83**
	17.80	1/4" x 7"	**FC4-1780-A07R**	372	10	92.6	**909.84**	**1223.69**	**1649.32**
18"	18.00	1/4" x 5"	**FC4-1800-A05R**	373	11	84.3	**876.74**	**1072.96**	**1402.20**
	18.00	1/4" x 7"	**FC4-1800-A07R**	373	11	94.3	**909.84**	**1223.69**	**1673.24**
	18.00	1/4" x 10"	**FC4-1800-A10R**	373	11	110.2	**1299.53**	**1686.60**	**1981.51**
	18.80	3/8" x 7"	**FC4-1880-B07R**	508	11	112.0	**1466.02**	**1814.05**	**2346.90**
	18.80	1/4" x 7"	**FC4-1880-A07R**	355	11	98.0	**1018.32**	**1363.54**	**1841.76**
	19.50	1/4" x 5"	**FC4-1950-A05R**	345	11	90.4	**1021.81**	**1250.70**	**1609.36**
	19.50	1/4" x 7"	**FC4-1950-A07R**	345	11	101.2	**1108.62**	**1453.94**	**1927.38**
	19.50	3/8" x 7"	**FC4-1950-B07R**	512	11	118.4	**1211.79**	**1557.06**	**2107.02**
	19.50	1/4" x 10"	**FC4-1950-A10R**	345	11	118.1	**1361.74**	**1748.85**	**2294.03**
	19.50	3/8" x 10"	**FC4-1950-B10R**	512	11	142.7	**1513.80**	**1900.95**	**2551.32**
	19.92	3/8" x 7"	**FC4-1992-B07R**	500	11	122.1	**1236.70**	**1581.94**	**2131.92**
	19.92	1/4" x 7"	**FC4-1992-A07R**	337	11	104.0	**1108.62**	**1453.94**	**1951.31**
20"	20.00	1/4" x 7"	**FC4-2000-A07R**	337	12	104.3	**1121.97**	**1485.31**	**1968.33**
	20.00	1/4" x 10"	**FC4-2000-A10R**	337	12	121.8	**1401.82**	**1824.12**	**2378.86**
	21.60	1/4" x 7"	**FC4-2160-A07R**	313	12	113.0	**1189.78**	**1566.41**	**2078.10**
	21.60	3/8" x 7"	**FC4-2160-B07R**	463	12	132.1	**1631.73**	**2008.42**	**2606.16**
	21.60	1/4" x 10"	**FC4-2160-A10R**	313	12	131.8	**1435.76**	**1858.06**	**2451.00**
	21.60	3/8" x 10"	**FC4-2160-B10R**	463	12	159.0	**2040.53**	**2462.86**	**3170.62**
	22.06	3/8" x 7"	**FC4-2206-B07R**	456	12	133.2	**1666.29**	**2041.93**	**2639.74**
	22.06	1/4" x 7"	**FC4-2206-A07R**	307	12	113.8	**1332.51**	**1709.18**	**2235.21**
24"	24.00	1/4" x 7"	**FC4-2400-A07R**	283	14	124.4	**1385.01**	**1824.44**	**2393.56**
	24.00	1/4" x 10"	**FC4-2400-A10R**	283	14	145.3	**1562.97**	**2055.64**	**2710.83**
	25.80	1/4" x 7"	**FC4-2580-A07R**	264	14	132.7	**1444.34**	**1883.77**	**2491.13**
	25.80	3/8" x 7"	**FC4-2580-B07R**	392	14	155.3	**1889.58**	**2329.00**	**3036.78**
	25.80	1/4" x 10"	**FC4-2580-A10R**	264	14	154.9	**1597.17**	**2089.84**	**2788.04**
	25.80	3/8" x 10"	**FC4-2580-B10R**	392	14	187.0	**2364.72**	**2857.40**	**3624.61**
	26.32	1/4" x 7"	**FC4-2632-A07R**	250	14	135.0	**1606.82**	**2046.28**	**2691.87**
	26.32	3/8" x 7"	**FC4-2632-B07R**	377	14	158.1	**1969.90**	**2409.34**	**3117.11**

Note: For smaller sized couplings, see FC23 couplings listed on pages M-23 through M-25 and FC3 couplings listed on page M-6.

FORD STANDARD STEEL COUPLINGS

STYLE FC4 - 3" THROUGH 60" (CONTINUED)



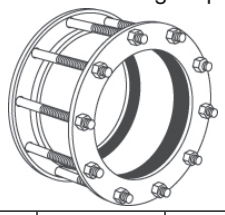
Nom. Pipe Size	Pipe O.D.	Sleeve Thickness and Length	Standard Catalog Number	Rated Working Pressure	Number of Bolts	Approx. Wt. Lbs.	List Price		
							Standard Coupling	*Optional Feature Codes	
								Stainless Steel Bolts	Epoxy Coat and S.S. Bolts
								X	Y
30"	30.00	1/4" x 7"	**FC4-3000-A07R**	246	16	153.8	**$ 1617.85**	**$ 2120.08**	**$ 2765.65**
	30.00	3/8" x 7"	**FC4-3000-B07R**	361	16	179.9	**1899.76**	**2402.00**	**3162.36**
	30.00	1/4" x 10"	**FC4-3000-A10R**	246	16	179.4	**1806.32**	**2369.41**	**3120.23**
	30.00	3/8" x 10"	**FC4-3000-B10R**	361	16	216.6	**2371.58**	**2934.66**	**3838.45**
	32.00	1/4" x 7"	**FC4-3200-A07R**	230	16	163.4	**1673.49**	**2175.69**	**2859.56**
	32.00	3/8" x 7"	**FC4-3200-B07R**	343	16	191.5	**1903.21**	**2405.42**	**3199.26**
	32.00	1/4" x 10"	**FC4-3200-A10R**	230	16	190.7	**1868.70**	**2431.76**	**3225.63**
	32.00	3/8" x 10"	**FC4-3200-B10R**	343	16	230.8	**2374.95**	**2938.00**	**3899.21**
36"	36.00	1/4" x 7"	**FC4-3600-A07R**	205	18	187.2	**1805.66**	**2370.63**	**3126.28**
	36.00	3/8" x 7"	**FC4-3600-B07R**	306	18	219.0	**1993.33**	**2558.29**	**3466.95**
	36.00	1/4" x 10"	**FC4-3600-A10R**	205	18	217.8	**2019.35**	**2652.77**	**3542.31**
	36.00	3/8" x 10"	**FC4-3600-B10R**	306	18	263.1	**2381.81**	**3015.22**	**4110.34**
	38.30	1/4" x 7"	**FC4-3830-A07R**	193	18	197.5	**1861.77**	**2426.79**	**3220.64**
	38.30	3/8" x 7"	**FC4-3830-B07R**	289	18	230.7	**2059.82**	**2624.82**	**3705.59**
	38.30	1/4" x 10"	**FC4-3830-A10R**	193	18	229.5	**2086.30**	**2719.75**	**3657.05**
	38.30	3/8" x 10"	**FC4-3830-B10R**	289	18	263.9	**2385.20**	**3018.63**	**4295.46**
42"	42.00	3/8" x 7"	**FC4-4200-B07R**	263	20	245.7	**2609.33**	**3237.06**	**4466.15**
	42.00	3/8" x 10"	**FC4-4200-B10R**	263	20	297.9	**2961.74**	**3665.55**	**5109.79**
	44.50	3/8" x 7"	**FC4-4450-B07R**	250	20	308.7	**2938.80**	**3321.69**	**4617.65**
	44.50	3/8" x 10"	**FC4-4450-B10R**	250	20	362.5	**3060.32**	**3764.10**	**6139.92**
48"	48.00	3/8" x 7"	**FC4-4800-B07R**	231	22	279.2	**2885.13**	**3575.72**	**4981.66**
	48.00	3/8" x 10"	**FC4-4800-B10R**	231	22	337.3	**3284.98**	**4059.19**	**5709.02**
	49.00	3/8" x 7"	**FC4-4900-B07R**	226	22	284.2	**3482.20**	**4172.73**	**5607.41**
	49.00	3/8" x 10"	**FC4-4900-B10R**	226	22	343.4	**4010.55**	**4784.76**	**6463.32**
	50.80	3/8" x 7"	**FC4-5080-B07R**	220	22	351.3	**3676.91**	**4367.48**	**5845.18**
	50.80	3/8" x 10"	**FC4-5080-B10R**	220	22	412.4	**4138.08**	**4912.30**	**6648.20**
54"	54.00	3/8" x 7"	**FC4-5400-B07R**	213	24	310.2	**4146.33**	**4899.68**	**6492.14**
	54.00	3/8" x 10"	**FC4-5400-B10R**	213	24	374.6	**4356.90**	**5201.51**	**7265.10**
	55.00	3/8" x 7"	**FC4-5500-B07R**	210	24	316.6	**4251.97**	**5005.29**	**6626.46**
	55.00	3/8" x 10"	**FC4-5500-B10R**	210	24	382.8	**4466.35**	**5310.95**	**7214.27**
	57.10	3/8" x 7"	**FC4-5710-B07R**	200	24	327.5	**4359.56**	**5112.88**	**6786.62**
	57.10	3/8" x 10"	**FC4-5710-B10R**	200	24	395.9	**4580.47**	**5425.06**	**7390.56**
	57.56	3/8" x 7"	**FC4-5756-B07R**	200	24	328.2	**4379.57**	**5132.89**	**6821.00**
	57.56	3/8" x 10"	**FC4-5756-B10R**	200	24	414.0	**4600.81**	**5354.11**	**7425.22**
	57.80	3/8" x 7"	**FC4-5780-B07R**	200	24	329.5	**4392.18**	**5145.53**	**6960.02**
	57.80	3/8" x 10"	**FC4-5780-B10R**	200	24	398.0	**4614.29**	**5458.92**	**6673.38**
60"	60.00	3/8" x 7"	**FC4-6000-B07R**	200	26	343.9	**4640.51**	**5456.59**	**7240.33**
	60.00	3/8" x 10"	**FC4-6000-B10R**	200	26	416.0	**4871.98**	**5786.91**	**7876.80**
	61.00	3/8" x 7"	**FC4-6100-B07R**	200	26	349.0	**4691.97**	**5508.09**	**7315.76**
	61.00	3/8" x 10"	**FC4-6100-B10R**	200	26	422.1	**4926.61**	**5841.60**	**7964.87**
	61.61	3/8" x 7"	**FC4-6161-B07R**	200	26	367.6	**4731.00**	**5547.12**	**7373.88**
	61.61	3/8" x 10"	**FC4-6161-B10R**	200	26	441.4	**4937.70**	**5852.66**	**7990.28**
	63.40	3/8" x 7"	**FC4-6340-B07R**	200	26	372.6	**4811.58**	**5627.69**	**7497.52**
	63.40	3/8" x 10"	**FC4-6340-B10R**	200	26	448.3	**5053.21**	**5968.14**	**8163.19**

Note: For smaller sized couplings, see FC23 couplings listed on pages M-23 through M-25 and FC3 couplings listed on page M-6.

FORD STAINLESS STEEL COUPLINGS

STYLE FC4X AND FC4Q - 3" THROUGH 60"

Listed are common sizes of FC4X and FC4Q couplings. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact customer service for pricing.



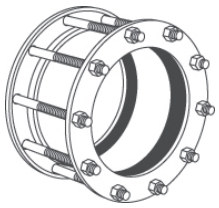
X = 304 Stainless Steel
Q = 316 Stainless Steel

Nom. Pipe Size (In.)	Pipe O.D. (In.)	Sleeve Thickness and Length (In.)	Catalog Number 304 Stainless Steel	List Price	Catalog Number 316 Stainless Steel	List Price	Rated Working Pressure	Number of Bolts
3"-12"	Contact customer service for Pricing and Availability							
14	14.00	1/4 x 5	**FC4X-1400-A05X**	**P.O.A.**	**FC4Q-1400-A05Q**	**P.O.A.**	472	14
	14.00	1/4 x 7	**FC4X-1400-A07X**	**P.O.A.**	**FC4Q-1400-A07Q**	**P.O.A.**	472	14
	14.00	1/4 x 10	**FC4X-1400-A10X**	**P.O.A.**	**FC4Q-1400-A10Q**	**P.O.A.**	472	14
	15.30	1/4 x 5	**FC4X-1530-A05X**	**P.O.A.**	**FC4Q-1530-A05Q**	**P.O.A.**	434	14
	15.30	1/4 x 7	**FC4X-1530-A07X**	**P.O.A.**	**FC4Q-1530-A07Q**	**P.O.A.**	434	14
	15.30	3/8 x 7	**FC4X-1530-B07X**	**P.O.A.**	**FC4Q-1530-B07Q**	**P.O.A.**	592	14
	15.30	1/4 x 10	**FC4X-1530-A10X**	**P.O.A.**	**FC4Q-1530-A10Q**	**P.O.A.**	434	14
	15.30	3/8 x 10	**FC4X-1530-B10X**	**P.O.A.**	**FC4Q-1530-B10Q**	**P.O.A.**	592	14
	15.65	3/8 x 7	**FC4X-1565-B07X**	**P.O.A.**	**FC4Q-1565-B07Q**	**P.O.A.**	583	16
	15.65	3/8 x 10	**FC4X-1565-B10X**	**P.O.A.**	**FC4Q-1565-B10Q**	**P.O.A.**	583	16
16	16.00	1/4 x 5	**FC4X-1600-A05X**	**P.O.A.**	**FC4Q-1600-A05Q**	**P.O.A.**	416	16
	16.00	1/4 x 7	**FC4X-1600-A07X**	**P.O.A.**	**FC4Q-1600-A07Q**	**P.O.A.**	416	16
	16.00	1/4 x 10	**FC4X-1600-A10X**	**P.O.A.**	**FC4Q-1600-A10Q**	**P.O.A.**	416	16
	17.40	1/4 x 5	**FC4X-1740-A05X**	**P.O.A.**	**FC4Q-1740-A05Q**	**P.O.A.**	385	16
	17.40	1/4 x 7	**FC4X-1740-A07X**	**P.O.A.**	**FC4Q-1740-A07Q**	**P.O.A.**	385	16
	17.40	3/8 x 7	**FC4X-1740-B07X**	**P.O.A.**	**FC4Q-1740-B07Q**	**P.O.A.**	567	16
	17.40	1/4 x 10	**FC4X-1740-A10X**	**P.O.A.**	**FC4Q-1740-A10Q**	**P.O.A.**	385	18
	17.40	3/8 x 10	**FC4X-1740-B10X**	**P.O.A.**	**FC4Q-1740-B10Q**	**P.O.A.**	567	18
	17.80	3/8 x 7	**FC4X-1780-B07X**	**P.O.A.**	**FC4Q-1780-B07Q**	**P.O.A.**	540	18
	17.80	1/4 x 7	**FC4X-1780-A07X**	**P.O.A.**	**FC4Q-1780-A07Q**	**P.O.A.**	372	18
18	18.00	1/4 x 5	**FC4X-1800-A05X**	**P.O.A.**	**FC4Q-1800-A05Q**	**P.O.A.**	373	18
	18.00	1/4 x 7	**FC4X-1800-A07X**	**P.O.A.**	**FC4Q-1800-A07Q**	**P.O.A.**	373	18
	18.00	1/4 x 10	**FC4X-1800-A10X**	**P.O.A.**	**FC4Q-1800-A10Q**	**P.O.A.**	373	18
	18.80	3/8 x 7	**FC4X-1880-B07X**	**P.O.A.**	**FC4Q-1880-B07Q**	**P.O.A.**	508	18
	18.80	1/4 x 7	**FC4X-1880-A07X**	**P.O.A.**	**FC4Q-1880-A07Q**	**P.O.A.**	355	20
	19.50	1/4 x 5	**FC4X-1950-A05X**	**P.O.A.**	**FC4Q-1950-A05Q**	**P.O.A.**	345	20
	19.50	1/4 x 7	**FC4X-1950-A07X**	**P.O.A.**	**FC4Q-1950-A07Q**	**P.O.A.**	345	20
	19.50	3/8 x 7	**FC4X-1950-B07X**	**P.O.A.**	**FC4Q-1950-B07Q**	**P.O.A.**	512	20
	19.50	1/4 x 10	**FC4X-1950-A10X**	**P.O.A.**	**FC4Q-1950-A10Q**	**P.O.A.**	345	22
	19.50	3/8 x 10	**FC4X-1950-B10X**	**P.O.A.**	**FC4Q-1950-B10Q**	**P.O.A.**	512	22
	19.92	3/8 x 7	**FC4X-1992-B07X**	**P.O.A.**	**FC4Q-1992-B07Q**	**P.O.A.**	500	22
	19.92	1/4 x 7	**FC4X-1992-A07X**	**P.O.A.**	**FC4Q-1992-A07Q**	**P.O.A.**	337	22
20	20.00	1/4 x 7	**FC4X-2000-A07X**	**P.O.A.**	**FC4Q-2000-A07Q**	**P.O.A.**	337	22
	20.00	1/4 x 10	**FC4X-2000-A10X**	**P.O.A.**	**FC4Q-2000-A10Q**	**P.O.A.**	337	22
	21.60	1/4 x 7	**FC4X-2160-A07X**	**P.O.A.**	**FC4Q-2160-A07Q**	**P.O.A.**	313	24
	21.60	3/8 x 7	**FC4X-2160-B07X**	**P.O.A.**	**FC4Q-2160-B07Q**	**P.O.A.**	463	24
	21.60	1/4 x 10	**FC4X-2160-A10X**	**P.O.A.**	**FC4Q-2160-A10Q**	**P.O.A.**	313	24
	21.60	3/8 x 10	**FC4X-2160-B10X**	**P.O.A.**	**FC4Q-2160-B10Q**	**P.O.A.**	463	24
	22.06	3/8 x 7	**FC4X-2206-B07X**	**P.O.A.**	**FC4Q-2206-B07Q**	**P.O.A.**	456	24
	22.06	1/4 x 7	**FC4X-2206-A07X**	**P.O.A.**	**FC4Q-2206-A07Q**	**P.O.A.**	307	24
24	24.00	1/4 x 7	**FC4X-2400-A07X**	**P.O.A.**	**FC4Q-2400-A07Q**	**P.O.A.**	283	24
	24.00	1/4 x 10	**FC4X-2400-A10X**	**P.O.A.**	**FC4Q-2400-A10Q**	**P.O.A.**	283	24
	25.80	1/4 x 7	**FC4X-2580-A07X**	**P.O.A.**	**FC4Q-2580-A07Q**	**P.O.A.**	264	24
	25.80	3/8 x 7	**FC4X-2580-B07X**	**P.O.A.**	**FC4Q-2580-B07Q**	**P.O.A.**	392	24
	25.80	1/4 x 10	**FC4X-2580-A10X**	**P.O.A.**	**FC4Q-2580-A10Q**	**P.O.A.**	264	26
	25.80	3/8 x 10	**FC4X-2580-B10X**	**P.O.A.**	**FC4Q-2580-B10Q**	**P.O.A.**	392	26
	26.32	3/8 x 7	**FC4X-2632-B07X**	**P.O.A.**	**FC4Q-2632-B07Q**	**P.O.A.**	377	26
	26.32	1/4 x 7	**FC4X-2632-A07X**	**P.O.A.**	**FC4Q-2632-A07Q**	**P.O.A.**	250	26

FORD STAINLESS STEEL COUPLINGS

STYLE FC4X AND FC4Q - 3" THROUGH 60" (CONTINUED)

Listed are common sizes of FC4X and FC4Q couplings. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact customer service for pricing.



X = 304 Stainless Steel
Q = 316 Stainless Steel

Nom. Pipe Size (In.)	Pipe O.D. (In.)	Sleeve Thickness and Length (In.)	Catalog Number 304 Stainless Steel	List Price	Catalog Number 316 Stainless Steel	List Price	Rated Working Pressure	Number of Bolts
30	30.00	1/4 x 7	**FC4X-3000-A07X**	**P.O.A.**	**FC4Q-3000-A07Q**	**P.O.A.**	246	16
	30.00	3/8 x 7	**FC4X-3000-B07X**	**P.O.A.**	**FC4Q-3000-B07Q**	**P.O.A.**	361	16
	30.00	1/4 x 10	**FC4X-3000-A10X**	**P.O.A.**	**FC4Q-3000-A10Q**	**P.O.A.**	246	16
	30.00	3/8 x 10	**FC4X-3000-B10X**	**P.O.A.**	**FC4Q-3000-B10Q**	**P.O.A.**	361	16
	32.00	1/4 x 7	**FC4X-3200-A07X**	**P.O.A.**	**FC4Q-3200-A07Q**	**P.O.A.**	230	16
	32.00	3/8 x 7	**FC4X-3200-B07X**	**P.O.A.**	**FC4X-3200-B07Q**	**P.O.A.**	343	16
	32.00	1/4 x 10	**FC4X-3200-A10X**	**P.O.A.**	**FC4X-3200-A10Q**	**P.O.A.**	230	16
	32.00	3/8 x 10	**FC4X-3200-B10X**	**P.O.A.**	**FC4Q-3200-B10Q**	**P.O.A.**	343	16
36	36.00	1/4 x 7	**FC4X-3600-A07X**	**P.O.A.**	**FC4Q-3600-A10Q**	**P.O.A.**	205	18
	36.00	3/8 x 7	**FC4X-3600-B07X**	**P.O.A.**	**FC4Q-3600-A10Q**	**P.O.A.**	306	18
	36.00	1/4 x 10	**FC4X-3600-A10X**	**P.O.A.**	**FC4Q-3600-A10Q**	**P.O.A.**	205	18
	36.00	3/8 x 10	**FC4X-3600-B10X**	**P.O.A.**	**FC4Q-3600-B10Q**	**P.O.A.**	306	18
	38.30	1/4 x 7	**FC4X-3830-A07X**	**P.O.A.**	**FC4Q-3830-A07Q**	**P.O.A.**	193	18
	38.30	3/8 x 7	**FC4X-3830-B07X**	**P.O.A.**	**FC4Q-3830-B07Q**	**P.O.A.**	289	18
	38.30	1/4 x 10	**FC4X-3830-A10X**	**P.O.A.**	**FC4Q-3830-A10Q**	**P.O.A.**	193	18
	38.30	3/8 x 10	**FC4X-3830-B10X**	**P.O.A.**	**FC4Q-3830-B10Q**	**P.O.A.**	289	18
42	42.00	3/8 x 7	**FC4X-4200-B07X**	**P.O.A.**	**FC4Q-4200-B07Q**	**P.O.A.**	263	20
	42.00	3/8 x 10	**FC4X-4200-B10X**	**P.O.A.**	**FC4Q-4200-B10Q**	**P.O.A.**	263	20
	44.50	3/8 x 7	**FC4X-4450-B07X**	**P.O.A.**	**FC4Q-4450-B07Q**	**P.O.A.**	250	20
	44.50	3/8 x 10	**FC4X-4450-B10X**	**P.O.A.**	**FC4Q-4450-B10Q**	**P.O.A.**	250	20
48	48.00	3/8 x 7	**FC4X-4800-B07X**	**P.O.A.**	**FC4Q-4800-B07Q**	**P.O.A.**	231	22
	48.00	3/8 x 10	**FC4X-4800-B10X**	**P.O.A.**	**FC4Q-4800-B10Q**	**P.O.A.**	231	22
	49.00	3/8 x 7	**FC4X-4900-B07X**	**P.O.A.**	**FC4Q-4900-B07Q**	**P.O.A.**	226	22
	49.00	3/8 x 10	**FC4X-4900-B10X**	**P.O.A.**	**FC4Q-4900-B10Q**	**P.O.A.**	226	22
	50.80	3/8 x 7	**FC4X-5080-B07X**	**P.O.A.**	**FC4Q-5080-B07Q**	**P.O.A.**	220	22
	50.80	3/8 x 10	**FC4X-5080-B10X**	**P.O.A.**	**FC4Q-5080-B10Q**	**P.O.A.**	220	22
54	54.00	3/8 x 7	**FC4X-5400-B07X**	**P.O.A.**	**FC4Q-5400-B07Q**	**P.O.A.**	213	24
	54.00	3/8 x 10	**FC4X-5400-B10X**	**P.O.A.**	**FC4Q-5400-B10Q**	**P.O.A.**	210	24
	55.00	3/8 x 7	**FC4X-5500-B07X**	**P.O.A.**	**FC4Q-5500-B07Q**	**P.O.A.**	210	24
	55.00	3/8 x 10	**FC4X-5500-B10X**	**P.O.A.**	**FC4Q-5500-B10Q**	**P.O.A.**	200	24
	57.10	3/8 x 7	**FC4X-5710-B07X**	**P.O.A.**	**FC4Q-5710-B07Q**	**P.O.A.**	200	24
	57.10	3/8 x 10	**FC4X-5710-B10X**	**P.O.A.**	**FC4Q-5710-B10Q**	**P.O.A.**	200	24
	57.56	3/8 x 7	**FC4X-5756-B07X**	**P.O.A.**	**FC4Q-5756-B07Q**	**P.O.A.**	200	24
	57.56	3/8 x 10	**FC4X-5756-B10X**	**P.O.A.**	**FC4Q-5756-B10Q**	**P.O.A.**	200	24
	57.80	3/8 x 7	**FC4X-5780-B07X**	**P.O.A.**	**FC4Q-5780-B07Q**	**P.O.A.**	200	24
	57.80	3/8 x 10	**FC4X-5780-B10X**	**P.O.A.**	**FC4Q-5780-B10Q**	**P.O.A.**	200	24
60	60.00	3/8 x 7	**FC4X-6000-B07X**	**P.O.A.**	**FC4Q-6000-B07Q**	**P.O.A.**	200	26
	60.00	3/8 x 10	**FC4X-6000-B10X**	**P.O.A.**	**FC4Q-6000-B10Q**	**P.O.A.**	200	26
	61.00	3/8 x 7	**FC4X-6100-B07X**	**P.O.A.**	**FC4Q-6100-B07Q**	**P.O.A.**	200	26
	61.00	3/8 x 10	**FC4X-6100-B10X**	**P.O.A.**	**FC4Q-6100-B10Q**	**P.O.A.**	200	26
	61.61	3/8 x 7	**FC4X-6161-B07X**	**P.O.A.**	**FC4Q-6161-B07Q**	**P.O.A.**	200	26
	61.61	3/8 x 10	**FC4X-6161-B10X**	**P.O.A.**	**FC4Q-6161-B10Q**	**P.O.A.**	200	26
	63.40	3/8 x 7	**FC4X-6340-B07X**	**P.O.A.**	**FC4Q-6340-B07Q**	**P.O.A.**	200	26
	63.40	3/8 x 10	**FC4X-6340-B10X**	**P.O.A.**	**FC4Q-6340-B10Q**	**P.O.A.**	200	26

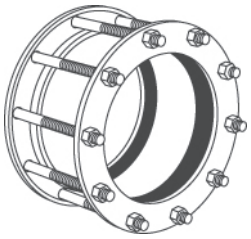
BAKER STANDARD STEEL COUPLINGS

STYLE 200 - 24" THROUGH 240"

Listed are common sizes of 200 couplings. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact customer service for pricing.

***** For stainless steel bolts and epoxy coating options, substitute the "X" or "Y" code for the standard catalog number "R" code.

Example: 200-2400-A07**Y** has epoxy coating and stainless steel bolts

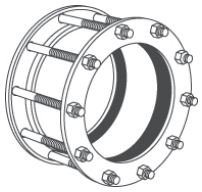


Nom. Pipe Size (In.)	Pipe O.D. (In .)	Sleeve Thickness & Length (In.)	Catalog Number	Rated Working Pressure	Number of Bolts	Approx. Wt. Lbs.	List Price		
							Standard Coupling	Optional Feature Codes	
								Stainless Steel Bolts	Epoxy Coat and S.S. Bolts
								X	Y
24	24.00	1/4 x 7	**200-2400-A07R**	283	14	124.4	**P.O.A.**	**P.O.A.**	**P.O.A.**
	24.00	1/4 x 10	**200-2400-A10R**	283	14	145.3	**P.O.A.**	**P.O.A.**	**P.O.A.**
	25.80	1/4 x 7	**200-2580-A07R**	264	14	132.7	**P.O.A.**	**P.O.A.**	**P.O.A.**
	25.80	3/8 x 7	**200-2580-B07R**	392	14	155.3	**P.O.A.**	**P.O.A.**	**P.O.A.**
	25.80	1/4 x 10	**200-2580-A10R**	264	14	154.9	**P.O.A.**	**P.O.A.**	**P.O.A.**
	25.80	3/8 x 10	**200-2580-B10R**	392	14	187.0	**P.O.A.**	**P.O.A.**	**P.O.A.**
	26.32	1/4 x 7	**200-2632-A07R**	250	14	135.0	**P.O.A.**	**P.O.A.**	**P.O.A.**
	26.32	3/8 x 7	**200-2632-B07R**	377	14	158.1	**P.O.A.**	**P.O.A.**	**P.O.A.**
30	30.00	1/4 x 7	**200-3000-A07R**	246	16	153.8	**P.O.A.**	**P.O.A.**	**P.O.A.**
	30.00	3/8 x 7	**200-3000-B07R**	361	16	179.9	**P.O.A.**	**P.O.A.**	**P.O.A.**
	30.00	1/4 x 10	**200-3000-A10R**	246	16	179.4	**P.O.A.**	**P.O.A.**	**P.O.A.**
	30.00	3/8 x 10	**200-3000-B10R**	361	16	216.6	**P.O.A.**	**P.O.A.**	**P.O.A.**
	32.00	1/4 x 7	**200-3200-A07R**	230	16	163.4	**P.O.A.**	**P.O.A.**	**P.O.A.**
	32.00	3/8 x 7	**200-3200-B07R**	343	16	191.5	**P.O.A.**	**P.O.A.**	**P.O.A.**
	32.00	1/4 x 10	**200-3200-A10R**	230	16	190.7	**P.O.A.**	**P.O.A.**	**P.O.A.**
	32.00	3/8 x 10	**200-3200-B10R**	343	16	230.8	**P.O.A.**	**P.O.A.**	**P.O.A.**
36	36.00	1/4 x 7	**200-3600-A07R**	205	18	187.2	**P.O.A.**	**P.O.A.**	**P.O.A.**
	36.00	3/8 x 7	**200-3600-B07R**	306	18	219.0	**P.O.A.**	**P.O.A.**	**P.O.A.**
	36.00	1/4 x 10	**200-3600-A10R**	205	18	217.8	**P.O.A.**	**P.O.A.**	**P.O.A.**
	36.00	3/8 x 10	**200-3600-B10R**	306	18	263.1	**P.O.A.**	**P.O.A.**	**P.O.A.**
	38.30	1/4 x 7	**200-3830-A07R**	193	18	197.5	**P.O.A.**	**P.O.A.**	**P.O.A.**
	38.30	3/8 x 7	**200-3830-B07R**	289	18	230.7	**P.O.A.**	**P.O.A.**	**P.O.A.**
	38.30	1/4 x 10	**200-3830-A10R**	193	18	229.5	**P.O.A.**	**P.O.A.**	**P.O.A.**
	38.30	3/8 x 10	**200-3830-B10R**	289	18	263.9	**P.O.A.**	**P.O.A.**	**P.O.A.**
42	42.00	3/8 x 7	**200-4200-B07R**	263	20	245.7	**P.O.A.**	**P.O.A.**	**P.O.A.**
	42.00	3/8 x 10	**200-4200-B10R**	263	20	297.9	**P.O.A.**	**P.O.A.**	**P.O.A.**
	44.50	3/8 x 7	**200-4450-B07R**	250	20	308.7	**P.O.A.**	**P.O.A.**	**P.O.A.**
	44.50	3/8 x 10	**200-4450-B10R**	250	20	362.5	**P.O.A.**	**P.O.A.**	**P.O.A.**
48	48.00	3/8 x 7	**200-4800-B07R**	231	22	279.2	**P.O.A.**	**P.O.A.**	**P.O.A.**
	48.00	3/8 x 10	**200-4800-B10R**	231	22	337.3	**P.O.A.**	**P.O.A.**	**P.O.A.**
	49.00	3/8 x 7	**200-4900-B07R**	226	22	284.2	**P.O.A.**	**P.O.A.**	**P.O.A.**
	49.00	3/8 x 10	**200-4900-B10R**	226	22	343.4	**P.O.A.**	**P.O.A.**	**P.O.A.**
	50.80	3/8 x 7	**200-5080-B07R**	220	22	351.3	**P.O.A.**	**P.O.A.**	**P.O.A.**
	50.80	3/8 x 10	**200-5080-B10R**	220	22	412.4	**P.O.A.**	**P.O.A.**	**P.O.A.**
54	54.00	3/8 x 7	**200-5400-B07R**	213	24	310.2	**P.O.A.**	**P.O.A.**	**P.O.A.**
	54.00	3/8 x 10	**200-5400-B10R**	213	24	374.6	**P.O.A.**	**P.O.A.**	**P.O.A.**
	55.00	3/8 x 7	**200-5500-B07R**	210	24	316.6	**P.O.A.**	**P.O.A.**	**P.O.A.**
	55.00	3/8 x 10	**200-5500-B10R**	210	24	382.8	**P.O.A.**	**P.O.A.**	**P.O.A.**
	57.10	3/8 x 7	**200-5710-B07R**	200	24	327.5	**P.O.A.**	**P.O.A.**	**P.O.A.**
	57.10	3/8 x 10	**200-5710-B10R**	200	24	395.9	**P.O.A.**	**P.O.A.**	**P.O.A.**
	57.56	3/8 x 7	**200-5756-B07R**	200	24	328.2	**P.O.A.**	**P.O.A.**	**P.O.A.**
	57.56	3/8 x 10	**200-5756-B10R**	200	24	414.0	**P.O.A.**	**P.O.A.**	**P.O.A.**
	57.80	3/8 x 7	**200-5780-B07R**	200	24	329.5	**P.O.A.**	**P.O.A.**	**P.O.A.**
	57.80	3/8 x 10	**200-5780-B10R**	200	24	398.0	**P.O.A.**	**P.O.A.**	**P.O.A.**
60	60.00	3/8 x 7	**200-6000-B07R**	200	26	343.9	**P.O.A.**	**P.O.A.**	**P.O.A.**
	60.00	3/8 x 10	**200-6000-B10R**	200	26	416.0	**P.O.A.**	**P.O.A.**	**P.O.A.**
	61.00	3/8 x 7	**200-6100-B07R**	200	26	349.0	**P.O.A.**	**P.O.A.**	**P.O.A.**
	61.00	3/8 x 10	**200-6100-B10R**	200	26	422.1	**P.O.A.**	**P.O.A.**	**P.O.A.**
	61.61	3/8 x 7	**200-6161-B07R**	200	26	367.6	**P.O.A.**	**P.O.A.**	**P.O.A.**
	61.61	3/8 x 10	**200-6161-B10R**	200	26	441.4	**P.O.A.**	**P.O.A.**	**P.O.A.**
	63.40	3/8 x 7	**200-6340-B07R**	200	26	372.6	**P.O.A.**	**P.O.A.**	**P.O.A.**
	63.40	3/8 x 10	**200-6340-B10R**	200	26	448.3	**P.O.A.**	**P.O.A.**	**P.O.A.**
66 and larger	Contact customer service for Pricing								

BAKER STAINLESS STEEL COUPLINGS

STYLE 200X AND 200Q - 24" THROUGH 240"

Listed are common sizes of 200X and 200Q couplings. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact customer service for pricing.



X = 304 Stainless Steel
Q = 316 Stainless Steel

Nom. Pipe Size (In.)	Pipe O.D. (In.)	Sleeve Thickness and Length (In.)	Catalog Number 304 Stainless Steel	List Price	Catalog Number 316 Stainless Steel	List Price	Rated Working Pressure	Number of Bolts
24	24.00	1/4 x 7	**200X-2400-A07R**	**P.O.A.**	**200Q-2400-A07R**	**P.O.A.**	283	14
	24.00	1/4 x 10	**200X-2400-A10R**	**P.O.A.**	**200Q-2400-A10R**	**P.O.A.**	283	14
	25.80	1/4 x 7	**200X-2580-A07R**	**P.O.A.**	**200Q-2580-A07R**	**P.O.A.**	264	14
	25.80	3/8 x 7	**200X-2580-B07R**	**P.O.A.**	**200Q-2580-B07R**	**P.O.A.**	392	14
	25.80	1/4 x 10	**200X-2580-A10R**	**P.O.A.**	**200Q-2580-A10R**	**P.O.A.**	264	14
	25.80	3/8 x 10	**200X-2580-B10R**	**P.O.A.**	**200Q-2580-B10R**	**P.O.A.**	392	14
	26.32	1/4 x 7	**200X-2632-A07R**	**P.O.A.**	**200Q-2632-A07R**	**P.O.A.**	250	14
	26.32	3/8 x 7	**200X-2632-B07R**	**P.O.A.**	**200Q-2632-B07R**	**P.O.A.**	377	14
30	30.00	1/4 x 7	**200X-3000-A07R**	**P.O.A.**	**200Q-3000-A07R**	**P.O.A.**	246	16
	30.00	3/8 x 7	**200X-3000-B07R**	**P.O.A.**	**200Q-3000-B07R**	**P.O.A.**	361	16
	30.00	1/4 x 10	**200X-3000-A10R**	**P.O.A.**	**200Q-3000-A10R**	**P.O.A.**	246	16
	30.00	3/8 x 10	**200X-3000-B10R**	**P.O.A.**	**200Q-3000-B10R**	**P.O.A.**	361	16
	32.00	1/4 x 7	**200X-3200-A07R**	**P.O.A.**	**200Q-3200-A07R**	**P.O.A.**	230	16
	32.00	3/8 x 7	**200X-3200-B07R**	**P.O.A.**	**200Q-3200-B07R**	**P.O.A.**	343	16
	32.00	1/4 x 10	**200X-3200-A10R**	**P.O.A.**	**200Q-3200-A10R**	**P.O.A.**	230	16
	32.00	3/8 x 10	**200X-3200-B10R**	**P.O.A.**	**200Q-3200-B10R**	**P.O.A.**	343	16
36	36.00	1/4 x 7	**200X-3600-A07R**	**P.O.A.**	**200Q-3600-A07R**	**P.O.A.**	205	18
	36.00	3/8 x 7	**200X-3600-B07R**	**P.O.A.**	**200Q-3600-B07R**	**P.O.A.**	306	18
	36.00	1/4 x 10	**200X-3600-A10R**	**P.O.A.**	**200Q-3600-A10R**	**P.O.A.**	205	18
	36.00	3/8 x 10	**200X-3600-B10R**	**P.O.A.**	**200Q-3600-B10R**	**P.O.A.**	306	18
	38.30	1/4 x 7	**200X-3830-A07R**	**P.O.A.**	**200Q-3830-A07R**	**P.O.A.**	193	18
	38.30	3/8 x 7	**200X-3830-B07R**	**P.O.A.**	**200Q-3830-B07R**	**P.O.A.**	289	18
	38.30	1/4 x 10	**200X-3830-A10R**	**P.O.A.**	**200Q-3830-A10R**	**P.O.A.**	193	18
	38.30	3/8 x 10	**200X-3830-B10R**	**P.O.A.**	**200Q-3830-B10R**	**P.O.A.**	289	18
42	42.00	3/8 x 7	**200X-4200-B07R**	**P.O.A.**	**200Q-4200-B07R**	**P.O.A.**	263	20
	42.00	3/8 x 10	**200X-4200-B10R**	**P.O.A.**	**200Q-4200-B10R**	**P.O.A.**	263	20
	44.50	3/8 x 7	**200X-4450-B07R**	**P.O.A.**	**200Q-4450-B07R**	**P.O.A.**	250	20
	44.50	3/8 x 10	**200X-4450-B10R**	**P.O.A.**	**200Q-4450-B10R**	**P.O.A.**	250	20
48	48.00	3/8 x 7	**200X-4800-B07R**	**P.O.A.**	**200Q-4800-B07R**	**P.O.A.**	231	22
	48.00	3/8 x 10	**200X-4800-B10R**	**P.O.A.**	**200Q-4800-B10R**	**P.O.A.**	231	22
	49.00	3/8 x 7	**200X-4900-B07R**	**P.O.A.**	**200Q-4900-B07R**	**P.O.A.**	226	22
	49.00	3/8 x 10	**200X-4900-B10R**	**P.O.A.**	**200Q-4900-B10R**	**P.O.A.**	226	22
	50.80	3/8 x 7	**200X-5080-B07R**	**P.O.A.**	**200Q-5080-B07R**	**P.O.A.**	220	22
	50.80	3/8 x 10	**200X-5080-B10R**	**P.O.A.**	**200Q-5080-B10R**	**P.O.A.**	220	22
50	54.00	3/8 x 7	**200X-5400-B07R**	**P.O.A.**	**200Q-5400-B07R**	**P.O.A.**	213	24
	54.00	3/8 x 10	**200X-5400-B10R**	**P.O.A.**	**200Q-5400-B10R**	**P.O.A.**	213	24
	55.00	3/8 x 7	**200X-5500-B07R**	**P.O.A.**	**200Q-5500-B07R**	**P.O.A.**	210	24
	55.00	3/8 x 10	**200X-5500-B10R**	**P.O.A.**	**200Q-5500-B10R**	**P.O.A.**	210	24
	57.10	3/8 x 7	**200X-5710-B07R**	**P.O.A.**	**200Q-5710-B07R**	**P.O.A.**	200	24
	57.10	3/8 x 10	**200X-5710-B10R**	**P.O.A.**	**200Q-5710-B10R**	**P.O.A.**	200	24
	57.56	3/8 x 7	**200X-5756-B07R**	**P.O.A.**	**200Q-5756-B07R**	**P.O.A.**	200	24
	57.56	3/8 x 10	**200X-5756-B10R**	**P.O.A.**	**200Q-5756-B10R**	**P.O.A.**	200	24
	57.80	3/8 x 7	**200X-5780-B07R**	**P.O.A.**	**200Q-5780-B07R**	**P.O.A.**	200	24
	57.80	3/8 x 10	**200X-5780-B10R**	**P.O.A.**	**200Q-5780-B10R**	**P.O.A.**	200	24
60	60.00	3/8 x 7	**200X-6000-B07R**	**P.O.A.**	**200Q-6000-B07R**	**P.O.A.**	200	26
	60.00	3/8 x 10	**200X-6000-B10R**	**P.O.A.**	**200Q-6000-B10R**	**P.O.A.**	200	26
	61.00	3/8 x 7	**200X-6100-B07R**	**P.O.A.**	**200Q-6100-B07R**	**P.O.A.**	200	26
	61.00	3/8 x 10	**200X-6100-B10R**	**P.O.A.**	**200Q-6100-B10R**	**P.O.A.**	200	26
	61.61	3/8 x 7	**200X-6161-B07R**	**P.O.A.**	**200Q-6161-B07R**	**P.O.A.**	200	26
	61.61	3/8 x 10	**200X-6161-B10R**	**P.O.A.**	**200Q-6161-B10R**	**P.O.A.**	200	26
	63.40	3/8 x 7	**200X-6340-B07R**	**P.O.A.**	**200Q-6340-B07R**	**P.O.A.**	200	26
	63.40	3/8 x 10	**200X-6340-B10R**	**P.O.A.**	**200Q-6340-B10R**	**P.O.A.**	200	26
66 and larger	Contact customer service for Pricing							

BAKER STEEL COUPLINGS (12" and longer sleeve)

STYLE 208 - 24" THROUGH 240"

Listed are common sizes of 208 couplings. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact customer service for pricing.

***** For stainless steel bolts and epoxy coating options, substitute the “X” or “Y” code for the standard catalog number “R” code.

Example: 208-2400-A12**Y** has epoxy coating and stainless steel bolts.

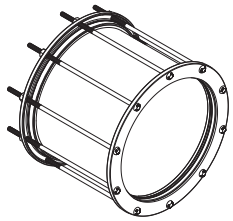


Nom. Pipe Size (In.)	Pipe O.D. (In.)	Sleeve Thickness and Length (In.)	Catalog Number	Rated Working Pressure	Number of Bolts	Approx. Wt. Lbs.	List Price		
							Standard Coupling	Optional Feature Codes	
								Stainless Steel Bolts	Epoxy Coat and S.S. Bolts
								X	Y
24	24.00	1/4 x 12	**208-2400-A12R**	283	14	160.0	**P.O.A.**	**P.O.A.**	**P.O.A.**
	25.80	1/4 x 12	**208-2580-A12R**	264	14	170.0	**P.O.A.**	**P.O.A.**	**P.O.A.**
	25.80	3/8 x 12	**208-2580-B12R**	392	14	193.6	**P.O.A.**	**P.O.A.**	**P.O.A.**
	26.32	1/4 x 12	**208-2632-A12R**	250	14	148.5	**P.O.A.**	**P.O.A.**	**P.O.A.**
	26.32	3/8 x 12	**208-2632-B12R**	377	14	162.8	**P.O.A.**	**P.O.A.**	**P.O.A.**
30	30.00	1/4 x 12	**208-3000-A12R**	246	16	172.7	**P.O.A.**	**P.O.A.**	**P.O.A.**
	30.00	3/8 x 12	**208-3000-B12R**	361	16	207.9	**P.O.A.**	**P.O.A.**	**P.O.A.**
	32.00	1/4 x 12	**208-3208-A12R**	230	16	182.6	**P.O.A.**	**P.O.A.**	**P.O.A.**
	32.00	3/8 x 12	**208-3208-B12R**	343	16	221.1	**P.O.A.**	**P.O.A.**	**P.O.A.**
36	36.00	1/4 x 12	**208-3600-A12R**	205	18	204.6	**P.O.A.**	**P.O.A.**	**P.O.A.**
	36.00	3/8 x 12	**208-3600-B12R**	306	18	251.9	**P.O.A.**	**P.O.A.**	**P.O.A.**
	38.30	1/4 x 12	**208-3830-A12R**	193	18	215.6	**P.O.A.**	**P.O.A.**	**P.O.A.**
	38.30	3/8 x 12	**208-3830-B12R**	289	18	293.7	**P.O.A.**	**P.O.A.**	**P.O.A.**
42	42.00	3/8 x 12	**208-4208-B12R**	263	20	332.2	**P.O.A.**	**P.O.A.**	**P.O.A.**
	44.50	3/8 x 12	**208-4450-B12R**	250	20	349.8	**P.O.A.**	**P.O.A.**	**P.O.A.**
48	48.00	3/8 x 12	**208-4800-B12R**	231	22	279.2	**P.O.A.**	**P.O.A.**	**P.O.A.**
	49.00	3/8 x 12	**208-4900-B12R**	226	22	284.2	**P.O.A.**	**P.O.A.**	**P.O.A.**
	50.80	3/8 x 12	**208-5080-B12R**	220	22	351.3	**P.O.A.**	**P.O.A.**	**P.O.A.**
50	54.00	3/8 x 12	**208-5400-B12R**	213	24	430.1	**P.O.A.**	**P.O.A.**	**P.O.A.**
	55.00	3/8 x 12	**208-5500-B12R**	210	24	437.8	**P.O.A.**	**P.O.A.**	**P.O.A.**
	57.10	3/8 x 12	**208-5710-B12R**	200	24	452.1	**P.O.A.**	**P.O.A.**	**P.O.A.**
	57.56	3/8 x 12	**208-5756-B12R**	200	24	455.4	**P.O.A.**	**P.O.A.**	**P.O.A.**
	57.80	3/8 x 12	**208-5780-B12R**	200	24	456.5	**P.O.A.**	**P.O.A.**	**P.O.A.**
60	60.00	3/8 x 12	**208-6000-B12R**	200	26	480.7	**P.O.A.**	**P.O.A.**	**P.O.A.**
	61.00	3/8 x 12	**208-6100-B12R**	200	26	488.4	**P.O.A.**	**P.O.A.**	**P.O.A.**
	61.61	3/8 x 12	**208-6161-B12R**	200	26	491.7	**P.O.A.**	**P.O.A.**	**P.O.A.**
	63.40	3/8 x 12	**208-6340-B12R**	200	26	504.9	**P.O.A.**	**P.O.A.**	**P.O.A.**
66 and larger	Contact customer service for Pricing								

BAKER STAINLESS STEEL COUPLINGS (12" and longer sleeve)

STYLE 208X AND 208Q - 24" THROUGH 240"

Listed are common sizes of 208X and 208Q couplings. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact customer service for pricing.



X = 304 Stainless Steel
Q = 316 Stainless Steel

Nom. Pipe Size (In.)	Pipe O.D. (In.)	Sleeve Thickness and Length (In.)	Catalog Number 304 Stainless Steel	List Price	Catalog Number 316 Stainless Steel	List Price	Rated Working Pressure	Number of Bolts
24	24.00	1/4 x 12	**208X-2400-A12R**	**P.O.A**	**208Q-2400-A12R**	**P.O.A**	283	14
	25.80	1/4 x 12	**208X-2580-A12R**	**P.O.A**	**208Q-2580-A12R**	**P.O.A**	264	14
	25.80	3/8 x 12	**208X-2580-B12R**	**P.O.A**	**208Q-2580-B12R**	**P.O.A**	392	14
	26.32	1/4 x 12	**208X-2632-A12R**	**P.O.A**	**208Q-2632-A12R**	**P.O.A**	250	14
	26.32	3/8 x 12	**208X-2632-B12R**	**P.O.A**	**208Q-2632-B12R**	**P.O.A**	377	14
30	30.00	1/4 x 12	**208X-3000-A12R**	**P.O.A**	**208Q-3000-A12R**	**P.O.A**	246	16
	30.00	3/8 x 12	**208X-3000-B12R**	**P.O.A**	**208Q-3000-B12R**	**P.O.A**	361	16
	32.00	1/4 x 12	**208X-3208-A12R**	**P.O.A**	**208Q-3208-A12R**	**P.O.A**	230	16
	32.00	3/8 x 12	**208X-3208-B12R**	**P.O.A**	**208Q-3208-B12R**	**P.O.A**	343	16
36	36.00	1/4 x 12	**208X-3600-A12R**	**P.O.A**	**208Q-3600-A12R**	**P.O.A**	205	18
	36.00	3/8 x 12	**208X-3600-B12R**	**P.O.A**	**208Q-3600-B12R**	**P.O.A**	306	18
	38.30	1/4 x 12	**208X-3830-A12R**	**P.O.A**	**208Q-3830-A12R**	**P.O.A**	193	18
	38.30	3/8 x 12	**208X-3830-B12R**	**P.O.A**	**208Q-3830-B12R**	**P.O.A**	289	18
42	42.00	3/8 x 12	**208X-4208-B12R**	**P.O.A**	**208Q-4208-B12R**	**P.O.A**	263	20
	44.50	3/8 x 12	**208X-4450-B12R**	**P.O.A**	**208Q-4450-B12R**	**P.O.A**	250	20
48	48.00	3/8 x 12	**208X-4800-B12R**	**P.O.A**	**208Q-4800-B12R**	**P.O.A**	231	22
	49.00	3/8 x 12	**208X-4900-B12R**	**P.O.A**	**208Q-4900-B12R**	**P.O.A**	226	22
	50.80	3/8 x 12	**208X-5080-B12R**	**P.O.A**	**208Q-5080-B12R**	**P.O.A**	220	22
50	54.00	3/8 x 12	**208X-5400-B12R**	**P.O.A**	**208Q-5400-B12R**	**P.O.A**	213	24
	55.00	3/8 x 12	**208X-5500-B12R**	**P.O.A**	**208Q-5500-B12R**	**P.O.A**	210	24
	57.10	3/8 x 12	**208X-5710-B12R**	**P.O.A**	**208Q-5710-B12R**	**P.O.A**	200	24
	57.56	3/8 x 12	**208X-5756-B12R**	**P.O.A**	**208Q-5756-B12R**	**P.O.A**	200	24
	57.80	3/8 x 12	**208X-5780-B12R**	**P.O.A**	**208Q-5780-B12R**	**P.O.A**	200	24
60	60.00	3/8 x 12	**208X-6000-B12R**	**P.O.A**	**208Q-6000-B12R**	**P.O.A**	200	26
	61.00	3/8 x 12	**208X-6100-B12R**	**P.O.A**	**208Q-6100-B12R**	**P.O.A**	200	26
	61.61	3/8 x 12	**208X-6161-B12R**	**P.O.A**	**208Q-6161-B12R**	**P.O.A**	200	26
	63.40	3/8 x 12	**208X-6340-B12R**	**P.O.A**	**208Q-6340-B12R**	**P.O.A**	200	26
66 and larger	Contact customer service for Pricing							

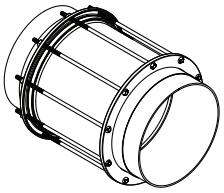
BAKER STEEL COUPLING WITH INSULATING BOOT

STYLE 216 - 24" THROUGH 240"

Listed are common sizes of 216 couplings. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact customer service for pricing.

***** For stainless steel bolts and epoxy coating options, substitute the "X" or "Y" code for the standard catalog number "R" code.

Example: 216-2400-A07**Y** has epoxy coating and stainless steel bolts.

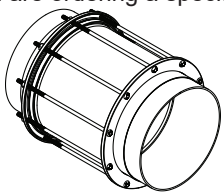


Nom. Pipe Size (In.)	Pipe O.D. (In.)	Sleeve Thickness and Length (In.)	Catalog Number	Rated Working Pressure	Number of Bolts	Approx. Wt. Lbs.	List Price		
							Standard Coupling	Optional Feature Codes	
								Stainless Steel Bolts	Epoxy Coat and S.S. Bolts
								X	Y
24	24.00	1/4 x 7	**216-2400-A07R**	283	14	125.6	**P.O.A.**	**P.O.A.**	**P.O.A.**
	24.00	1/4 x 10	**216-2400-A10R**	283	14	146.7	**P.O.A.**	**P.O.A.**	**P.O.A.**
	25.80	1/4 x 7	**216-2580-A07R**	264	14	134.0	**P.O.A.**	**P.O.A.**	**P.O.A.**
	25.80	3/8 x 7	**216-2580-B07R**	392	14	156.8	**P.O.A.**	**P.O.A.**	**P.O.A.**
	25.80	1/4 x 10	**216-2580-A10R**	264	14	156.5	**P.O.A.**	**P.O.A.**	**P.O.A.**
	25.80	3/8 x 10	**216-2580-B10R**	392	14	188.8	**P.O.A.**	**P.O.A.**	**P.O.A.**
	26.32	1/4 x 7	**216-2632-A07R**	250	14	136.3	**P.O.A.**	**P.O.A.**	**P.O.A.**
	26.32	3/8 x 7	**216-2632-B07R**	377	14	159.6	**P.O.A.**	**P.O.A.**	**P.O.A.**
30	30.00	1/4 x 7	**216-3000-A07R**	246	16	155.3	**P.O.A.**	**P.O.A.**	**P.O.A.**
	30.00	3/8 x 7	**216-3000-B07R**	361	16	181.7	**P.O.A.**	**P.O.A.**	**P.O.A.**
	30.00	1/4 x 10	**216-3000-A10R**	246	16	181.2	**P.O.A.**	**P.O.A.**	**P.O.A.**
	30.00	3/8 x 10	**216-3000-B10R**	361	16	218.8	**P.O.A.**	**P.O.A.**	**P.O.A.**
	32.00	1/4 x 7	**216-3200-A07R**	230	16	165.0	**P.O.A.**	**P.O.A.**	**P.O.A.**
	32.00	3/8 x 7	**216-3200-B07R**	343	16	193.4	**P.O.A.**	**P.O.A.**	**P.O.A.**
	32.00	1/4 x 10	**216-3200-A10R**	230	16	192.6	**P.O.A.**	**P.O.A.**	**P.O.A.**
	32.00	3/8 x 10	**216-3200-B10R**	343	16	233.1	**P.O.A.**	**P.O.A.**	**P.O.A.**
36	36.00	1/4 x 7	**216-3600-A07R**	205	18	189.1	**P.O.A.**	**P.O.A.**	**P.O.A.**
	36.00	3/8 x 7	**216-3600-B07R**	306	18	221.2	**P.O.A.**	**P.O.A.**	**P.O.A.**
	36.00	1/4 x 10	**216-3600-A10R**	205	18	220.0	**P.O.A.**	**P.O.A.**	**P.O.A.**
	36.00	3/8 x 10	**216-3600-B10R**	306	18	265.7	**P.O.A.**	**P.O.A.**	**P.O.A.**
	38.30	1/4 x 7	**216-3830-A07R**	193	18	199.5	**P.O.A.**	**P.O.A.**	**P.O.A.**
	38.30	3/8 x 7	**216-3830-B07R**	289	18	233.0	**P.O.A.**	**P.O.A.**	**P.O.A.**
	38.30	1/4 x 10	**216-3830-A10R**	193	18	231.8	**P.O.A.**	**P.O.A.**	**P.O.A.**
	38.30	3/8 x 10	**216-3830-B10R**	289	18	266.5	**P.O.A.**	**P.O.A.**	**P.O.A.**
42	42.00	3/8 x 7	**216-4200-B07R**	263	20	248.2	**P.O.A.**	**P.O.A.**	**P.O.A.**
	42.00	3/8 x 10	**216-4200-B10R**	263	20	300.9	**P.O.A.**	**P.O.A.**	**P.O.A.**
	44.50	3/8 x 7	**216-4450-B07R**	250	20	311.8	**P.O.A.**	**P.O.A.**	**P.O.A.**
	44.50	3/8 x 10	**216-4450-B10R**	250	20	366.1	**P.O.A.**	**P.O.A.**	**P.O.A.**
48	48.00	3/8 x 7	**216-4800-B07R**	231	22	282.0	**P.O.A.**	**P.O.A.**	**P.O.A.**
	48.00	3/8 x 10	**216-4800-B10R**	231	22	340.7	**P.O.A.**	**P.O.A.**	**P.O.A.**
	49.00	3/8 x 7	**216-4900-B07R**	226	22	287.0	**P.O.A.**	**P.O.A.**	**P.O.A.**
	49.00	3/8 x 10	**216-4900-B10R**	226	22	346.8	**P.O.A.**	**P.O.A.**	**P.O.A.**
	50.80	3/8 x 7	**216-5080-B07R**	220	22	354.8	**P.O.A.**	**P.O.A.**	**P.O.A.**
	50.80	3/8 x 10	**216-5080-B10R**	220	22	416.5	**P.O.A.**	**P.O.A.**	**P.O.A.**
54	54.00	3/8 x 7	**216-5400-B07R**	213	24	313.3	**P.O.A.**	**P.O.A.**	**P.O.A.**
	54.00	3/8 x 10	**216-5400-B10R**	213	24	378.3	**P.O.A.**	**P.O.A.**	**P.O.A.**
	55.00	3/8 x 7	**216-5500-B07R**	210	24	319.8	**P.O.A.**	**P.O.A.**	**P.O.A.**
	55.00	3/8 x 10	**216-5500-B10R**	210	24	386.6	**P.O.A.**	**P.O.A.**	**P.O.A.**
	57.10	3/8 x 7	**216-5710-B07R**	200	24	330.8	**P.O.A.**	**P.O.A.**	**P.O.A.**
	57.10	3/8 x 10	**216-5710-B10R**	200	24	399.9	**P.O.A.**	**P.O.A.**	**P.O.A.**
	57.56	3/8 x 7	**216-5756-B07R**	200	24	331.5	**P.O.A.**	**P.O.A.**	**P.O.A.**
	57.56	3/8 x 10	**216-5756-B10R**	200	24	418.1	**P.O.A.**	**P.O.A.**	**P.O.A.**
	57.80	3/8 x 7	**216-5780-B07R**	200	24	332.8	**P.O.A.**	**P.O.A.**	**P.O.A.**
	57.80	3/8 x 10	**216-5780-B10R**	200	24	402.0	**P.O.A.**	**P.O.A.**	**P.O.A.**
60	60.00	3/8 x 7	**216-6000-B07R**	200	26	347.3	**P.O.A.**	**P.O.A.**	**P.O.A.**
	60.00	3/8 x 10	**216-6000-B10R**	200	26	420.2	**P.O.A.**	**P.O.A.**	**P.O.A.**
	61.00	3/8 x 7	**216-6100-B07R**	200	26	352.5	**P.O.A.**	**P.O.A.**	**P.O.A.**
	61.00	3/8 x 10	**216-6100-B10R**	200	26	426.3	**P.O.A.**	**P.O.A.**	**P.O.A.**
	61.61	3/8 x 7	**216-6161-B07R**	200	26	371.3	**P.O.A.**	**P.O.A.**	**P.O.A.**
	61.61	3/8 x 10	**216-6161-B10R**	200	26	445.8	**P.O.A.**	**P.O.A.**	**P.O.A.**
	63.40	3/8 x 7	**216-6340-B07R**	200	26	376.3	**P.O.A.**	**P.O.A.**	**P.O.A.**
	63.40	3/8 x 10	**216-6340-B10R**	200	26	452.8	**P.O.A.**	**P.O.A.**	**P.O.A.**
66 and larger	Contact customer service for Pricing								

BAKER STAINLESS STEEL COUPLINGS WITH INSULATING BOOT

STYLE 216X AND 216Q - 24" THROUGH 240"

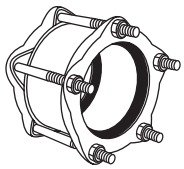
Listed are common sizes of 216X and 216Q couplings. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact customer service for pricing.



X = 304 Stainless Steel
Q = 316 Stainless Steel

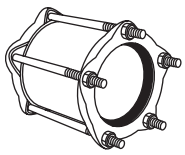
Nom. Pipe Size (In.)	Pipe O.D. (In.)	Sleeve Thickness\ and Length (In.)	Catalog Number 304 Stainless Steel	List Price	Catalog Number 316 Stainless Steel	List Price	Rated Working Pressure	Number of Bolts
24	24.00	1/4 x 7	**216X-2400-A07R**	**P.O.A.**	**216Q-2400-A07R**	**P.O.A.**	283	14
	24.00	1/4 x 10	**216X-2400-A10R**	**P.O.A.**	**216Q-2400-A10R**	**P.O.A.**	283	14
	25.80	1/4 x 7	**216X-2580-A07R**	**P.O.A.**	**216Q-2580-A07R**	**P.O.A.**	264	14
	25.80	3/8 x 7	**216X-2580-B07R**	**P.O.A.**	**216Q-2580-B07R**	**P.O.A.**	392	14
	25.80	1/4 x 10	**216X-2580-A10R**	**P.O.A.**	**216Q-2580-A10R**	**P.O.A.**	264	14
	25.80	3/8 x 10	**216X-2580-B10R**	**P.O.A.**	**216Q-2580-B10R**	**P.O.A.**	392	14
	26.32	1/4 x 7	**216X-2632-A07R**	**P.O.A.**	**216Q-2632-A07R**	**P.O.A.**	250	14
	26.32	3/8 x 7	**216X-2632-B07R**	**P.O.A.**	**216Q-2632-B07R**	**P.O.A.**	377	14
30	30.00	1/4 x 7	**216X-3000-A07R**	**P.O.A.**	**216Q-3000-A07R**	**P.O.A.**	246	16
	30.00	3/8 x 7	**216X-3000-B07R**	**P.O.A.**	**216Q-3000-B07R**	**P.O.A.**	361	16
	30.00	1/4 x 10	**216X-3000-A10R**	**P.O.A.**	**216Q-3000-A10R**	**P.O.A.**	246	16
	30.00	3/8 x 10	**216X-3000-B10R**	**P.O.A.**	**216Q-3000-B10R**	**P.O.A.**	361	16
	32.00	1/4 x 7	**216X-3200-A07R**	**P.O.A.**	**216Q-3200-A07R**	**P.O.A.**	230	16
	32.00	3/8 x 7	**216X-3200-B07R**	**P.O.A.**	**216Q-3200-B07R**	**P.O.A.**	343	16
	32.00	1/4 x 10	**216X-3200-A10R**	**P.O.A.**	**216Q-3200-A10R**	**P.O.A.**	230	16
	32.00	3/8 x 10	**216X-3200-B10R**	**P.O.A.**	**216Q-3200-B10R**	**P.O.A.**	343	16
36	36.00	1/4 x 7	**216X-3600-A07R**	**P.O.A.**	**216Q-3600-A07R**	**P.O.A.**	205	18
	36.00	3/8 x 7	**216X-3600-B07R**	**P.O.A.**	**216Q-3600-B07R**	**P.O.A.**	306	18
	36.00	1/4 x 10	**216X-3600-A10R**	**P.O.A.**	**216Q-3600-A10R**	**P.O.A.**	205	18
	36.00	3/8 x 10	**216X-3600-B10R**	**P.O.A.**	**216Q-3600-B10R**	**P.O.A.**	306	18
	38.30	1/4 x 7	**216X-3830-A07R**	**P.O.A.**	**216Q-3830-A07R**	**P.O.A.**	193	18
	38.30	3/8 x 7	**216X-3830-B07R**	**P.O.A.**	**216Q-3830-B07R**	**P.O.A.**	289	18
	38.30	1/4 x 10	**216X-3830-A10R**	**P.O.A.**	**216Q-3830-A10R**	**P.O.A.**	193	18
	38.30	3/8 x 10	**216X-3830-B10R**	**P.O.A.**	**216Q-3830-B10R**	**P.O.A.**	289	18
42	42.00	3/8 x 7	**216X-4200-B07R**	**P.O.A.**	**216Q-4200-B07R**	**P.O.A.**	263	20
	42.00	3/8 x 10	**216X-4200-B10R**	**P.O.A.**	**216Q-4200-B10R**	**P.O.A.**	263	20
	44.50	3/8 x 7	**216X-4450-B07R**	**P.O.A.**	**216Q-4450-B07R**	**P.O.A.**	250	20
	44.50	3/8 x 10	**216X-4450-B10R**	**P.O.A.**	**216Q-4450-B10R**	**P.O.A.**	250	20
48	48.00	3/8 x 7	**216X-4800-B07R**	**P.O.A.**	**216Q-4800-B07R**	**P.O.A.**	231	22
	48.00	3/8 x 10	**216X-4800-B10R**	**P.O.A.**	**216Q-4800-B10R**	**P.O.A.**	231	22
	49.00	3/8 x 7	**216X-4900-B07R**	**P.O.A.**	**216Q-4900-B07R**	**P.O.A.**	226	22
	49.00	3/8 x 10	**216X-4900-B10R**	**P.O.A.**	**216Q-4900-B10R**	**P.O.A.**	226	22
	50.80	3/8 x 7	**216X-5080-B07R**	**P.O.A.**	**216Q-5080-B07R**	**P.O.A.**	220	22
	50.80	3/8 x 10	**216X-5080-B10R**	**P.O.A.**	**216Q-5080-B10R**	**P.O.A.**	220	22
54	54.00	3/8 x 7	**216X-5400-B07R**	**P.O.A.**	**216Q-5400-B07R**	**P.O.A.**	213	24
	54.00	3/8 x 10	**216X-5400-B10R**	**P.O.A.**	**216Q-5400-B10R**	**P.O.A.**	213	24
	55.00	3/8 x 7	**216X-5500-B07R**	**P.O.A.**	**216Q-5500-B07R**	**P.O.A.**	210	24
	55.00	3/8 x 10	**216X-5500-B10R**	**P.O.A.**	**216Q-5500-B10R**	**P.O.A.**	210	24
	57.10	3/8 x 7	**216X-5710-B07R**	**P.O.A.**	**216Q-5710-B07R**	**P.O.A.**	200	24
	57.10	3/8 x 10	**216X-5710-B10R**	**P.O.A.**	**216Q-5710-B10R**	**P.O.A.**	200	24
	57.56	3/8 x 7	**216X-5756-B07R**	**P.O.A.**	**216Q-5756-B07R**	**P.O.A.**	200	24
	57.56	3/8 x 10	**216X-5756-B10R**	**P.O.A.**	**216Q-5756-B10R**	**P.O.A.**	200	24
	57.80	3/8 x 7	**216X-5780-B07R**	**P.O.A.**	**216Q-5780-B07R**	**P.O.A.**	200	24
	57.80	3/8 x 10	**216X-5780-B10R**	**P.O.A.**	**216Q-5780-B10R**	**P.O.A.**	200	24
60	60.00	3/8 x 7	**216X-6000-B07R**	**P.O.A.**	**216Q-6000-B07R**	**P.O.A.**	200	26
	60.00	3/8 x 10	**216X-6000-B10R**	**P.O.A.**	**216Q-6000-B10R**	**P.O.A.**	200	26
	61.00	3/8 x 7	**216X-6100-B07R**	**P.O.A.**	**216Q-6100-B07R**	**P.O.A.**	200	26
	61.00	3/8 x 10	**216X-6100-B10R**	**P.O.A.**	**216Q-6100-B10R**	**P.O.A.**	200	26
	61.61	3/8 x 7	**216X-6161-B07R**	**P.O.A.**	**216Q-6161-B07R**	**P.O.A.**	200	26
	61.61	3/8 x 10	**216X-6161-B10R**	**P.O.A.**	**216Q-6161-B10R**	**P.O.A.**	200	26
	63.40	3/8 x 7	**216X-6340-B07R**	**P.O.A.**	**216Q-6340-B07R**	**P.O.A.**	200	26
	63.40	3/8 x 10	**216X-6340-B10R**	**P.O.A.**	**216Q-6340-B10R**	**P.O.A.**	200	26
66 and larger	Contact customer service for Pricing							

FORD DUCTILE IRON COUPLINGS
STYLE FC1



Nom. Pipe Size (In.)	Gasket Rng. 1st Half Cat. No.	End Ring Color	By	Gasket Rng. 2nd Half Cat. No.	End Ring Color	Center Sleeve Length	No. of Bolts	Approx. Wt. Lbs.	Standard Catalog Number	List Price: Standard Coupling	List Price: *Optional Feature Codes: Stainless Steel Bolts X	List Price: *Optional Feature Codes: Epoxy Coat and S.S. Bolts Y
2	2.34-2.63	Red		2.34-2.63	Red	4"	2	6	**FC1-263-263**	**$ 101.80**	**$ 140.90**	**$ 166.05**
2-1/2	See 2" FC2A on page M-4											
4	4.00	Red		4.00	Red	5"	3	14	**FC1-400-400**	**180.87**	**251.02**	**311.87**
	4.00	Red		4.50-4.80	Red				**FC1-400-480**			
	4.00	Red		4.80-5.10	Black				**FC1-400-510**			
	4.50-4.80	Red		4.50-4.80	Red				**FC1-480-480**			
	4.50-4.80	Red		4.80-5.10	Black				**FC1-480-510**			
	4.80-5.10	Black		4.80-5.10	Black				**FC1-510-510**			
6	6.00	Red		6.00	Red	5"	4	21	**FC1-600-600**	**246.73**	**340.29**	**430.57**
	6.00	Red		6.63-6.90	Red				**FC1-600-690**			
	6.00	Red		6.90-7.20	Black				**FC1-600-720**			
	6.30	Red		6.30	Red				**FC1-630-630**			
	6.63-6.90	Red		6.63-6.90	Red				**FC1-690-690**			
	6.63-6.90	Red		6.90-7.20	Black				**FC1-690-720**			
	6.90-7.20	Black		6.90-7.20	Black				**FC1-720-720**			
8	8.00	Red		8.00	Red	5"	5	30	**FC1-800-800**	**329.28**	**438.11**	**566.58**
	8.00	Red		8.63-9.05	Red				**FC1-800-905**			
	8.00	Red		9.05-9.40	Black				**FC1-800-940**			
	8.16-8.40	Red		8.16-8.40	Red				**FC1-840-840**			
	8.63-9.05	Red		8.63-9.05	Red				**FC1-905-905**			
	8.63-9.05	Red		9.05-9.40	Black				**FC1-905-940**			
	9.05-9.40	Black		9.05-9.40	Black				**FC1-940-940**			
10	10.20-10.50	Red		10.20-10.50	Red	6"	6	41.5	**FC1-1050-1050**	**443.62**	**574.21**	**755.41**
	10.75	Red		10.75	Red				**FC1-1075-1075**			
	10.75	Red		11.10-11.46	Black				**FC1-1075-1146**			
	11.10-11.46	Black		11.10-11.46	Black				**FC1-1146-1146**			
12	12.24-12.50	Red		12.24-12.50	Red	6"	7	56	**FC1-1250-1250**	**511.86**	**664.26**	**910.39**
	12.75	Red		12.75	Red				**FC1-1275-1275**			
	12.75	Red		13.20-13.56	Black				**FC1-1275-1356**			
	13.20-13.56	Black		13.20-13.56	Black				**FC1-1356-1356**			

FORD DUCTILE IRON COUPLINGS
STYLE FC1-L12 (12" LENGTHS)



Nom. Pipe Size (In.)	Gasket Rng. 1st Half Cat. No.	End Ring Color	By	Gasket Rng. 2nd Half Cat. No.	End Ring Color	Center Sleeve Length	No. of Bolts	Approx. Wt. Lbs.	Standard Catalog Number	List Price: Standard Coupling	List Price: *Optional Feature Codes: Stainless Steel Bolts X	List Price: *Optional Feature Codes: Epoxy Coat and S.S. Bolts Y
4	4.00	Red		4.00	Red	12"	3	29	**FC1-400-400-L12**	**$ 295.86**	**$ 416.93**	**$ 543.15**
	4.00	Red		4.50-4.80	Red				**FC1-400-480-L12**			
	4.00	Red		4.80-5.10	Black				**FC1-400-510-L12**			
	4.50-4.80	Red		4.50-4.80	Red				**FC1-480-480-L12**			
	4.50-4.80	Red		4.80-5.10	Black				**FC1-480-510-L12**			
	4.80-5.10	Black		4.80-5.10	Black				**FC1-510-510-L12**			
6	6.00	Red		6.00	Red	12"	4	42	**FC1-600-600-L12**	**418.74**	**580.22**	**767.37**
	6.00	Red		6.63-6.90	Red				**FC1-600-690-L12**			
	6.00	Red		6.90-7.20	Black				**FC1-600-720-L12**			
	6.30	Red		6.30	Red				**FC1-630-630-L12**			
	6.63-6.90	Red		6.63-6.90	Red				**FC1-690-690-L12**			
	6.63-6.90	Red		6.90-7.20	Black				**FC1-690-720-L12**			
	6.90-7.20	Black		6.90-7.20	Black				**FC1-720-720-L12**			

To Order: Locate the gasket range that accommodates your pipe O.D. for both coupling ends. Use the corresponding catalog number.
Example: To connect 6.63 O.D. PVC pipe to 7.10 O.D. pipe use catalog number FC1-690-720; for 12" long sleeve FC1-690-720-L12.

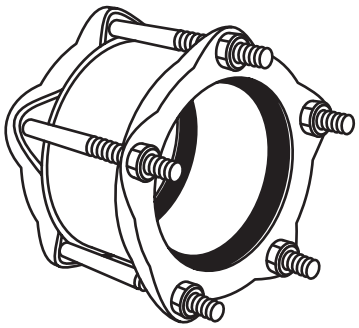
COMPONENT PARTS FOR STYLE FC1 COUPLING
ALL COMPONENTS ARE PRICED "EACH"

Nom. Pipe Size (In.)	Gasket Catalog Number	List Price	End Ring Catalog Number	List Price	Center Sleeve Catalog Number	List Price	Bolts and Nuts Catalog Number	List Price
2	FC1G-234-263	$ 8.76	FC1-RER-2	$ 15.71	FC1-CS-2	$ 32.03	FBN-58-65	$ 10.37
4	FC1G-400 FC1G-450-480 FC1G-480-510	20.88	FC1-RER-4 FC1-BER-4	28.70	FC1-CS-4	45.18	FBN-58-8	12.19
6	FC1G-600 FC1G-630 FC1G-663-690 FC1G-690-720	22.57	FC1-BER-6 FC1-RER-6 FC1-BER-6	38.26	FC1-CS-6	76.50	FBN-58-8	12.19
8	FC1G-800 FC1G-816-840 FC1G-863-905 FC1G-905-940	28.70	FC1-RER-8 FC1-BER-8	45.18	FC1-CS-8	120.80	FBN-58-8	12.19
10	FC1G-1020-1050 FC1G-1075 FC1G-1110-1146	34.77	FC1-RER-10 FC1-BER-10	65.90	FC1-CS-10	158.75	FBN-58-9	13.90
12	FC1G-1224-1250 FC1G-1275 FC1G-1320-1356	63.63	FC1-RER-12 FC1-BER-12	79.90	FC1-CS-12	166.83	FBN-58-9	13.90

COMPONENT PARTS FOR STYLE FC1-L12 COUPLING (12" LENGTHS)
ALL COMPONENTS ARE PRICED "EACH"

Nom. Pipe Size (In.)	Gasket Cat. No.	List Price	End Ring Catalog Number	List Price	Center Sleeve Catalog Number	List Price	Bolts and Nuts Catalog Number	List Price
4	FC1G-400 FC1G-450-480 FC1G-480-510	$ 20.88	FC1-RER-4 FC1-BER-4	$ 28.70	FC1-CS-4-L12	$ 160.23	FBN-58-155	$ 28.54
6	FC1G-600 FC1G-630 FC1G-663-690 FC1G-690-720	22.57	FC1-BER-6 FC1-RER-6 FC1-BER-6	38.26	FC1-CS-6-L12	201.11	FBN-58-155	28.54

FORD TRANSITION COUPLINGS
STYLE FC2A



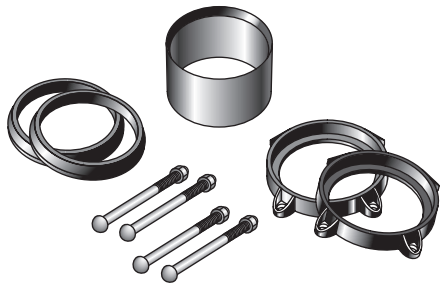
Nom. Pipe Size (In.)	Gasket Rng. 1st Half \ Cat. No.	End Ring Color	By	Gasket Rng. 2nd Half \ Cat. No.	End Ring Color	Center Sleeve Length (In.)	No. of Bolts	Approx. Wt. Lbs.	List Price: Standard Coupling	List Price: *Optional Feature Codes: Stainless Steel Bolts X	List Price: *Optional Feature Codes: Epoxy Coat and S.S. Bolts Y
2	2.30-2.45 2.40-2.65 2.65-2.88	Black Black Black		2.30-2.45 2.40-2.65 2.65-2.88	Black Black Black	4	2	8.3	**$ 102.39**	**$ 141.45**	**$ 181.14**
3	3.13 3.45-3.60 3.70-3.88 3.91-4.06 4.07-4.20	Red Red Black Black Black		3.13 3.45-3.60 3.70-3.88 3.91-4.06 4.07-4.20	Red Red Black Black Black	4	3	13	**167.93**	**226.62**	**288.19**
4	4.00 4.50 4.80-5.14 5.15-5.57	Red Red Black White/Gray		4.00 4.50 4.80-5.14 5.15-5.57	Red Red Black White/Gray	5	3	17	**198.45**	**268.63**	**338.71**
6	6.00 6.63 6.90-7.20 7.21-7.56	Red Red Black White/Gray		6.00 6.63 6.90-7.20 7.21-7.56	Red Red Black White/Gray	5	4	24	**270.75**	**364.29**	**470.60**
8	8.00 8.63 9.05-9.40 9.40-9.74	Red Red Black White/Gray		8.00 8.63 9.05-9.40 9.40-9.74	Red Red Black White/Gray	5	5	35.7	**342.75**	**459.65**	**606.27**
10	10.00 10.75 11.10-11.40 11.42-11.77 11.77-12.12	Red Red Black Black White/Gray		10.00 10.75 11.10-11.40 11.42-11.77 11.77-12.12	Red Red Black Black White/Gray	6	6	51	**471.51**	**602.05**	**818.33**
12	12.00 12.75 13.20-13.50 13.69-14.04 14.03-14.38	Black Black Black White/Gray White/Gray		12.00 12.75 13.20-13.50 13.69-14.04 14.03-14.38	Black Black Black White/Gray White/Gray	6	7	65	**561.75**	**714.13**	**983.43**
14	15.30-15.70 16.00-16.35 16.40-16.88	Black Red White/Gray		15.30-15.70 16.00-16.35 16.40-16.88	Black Red White/Gray	6	9	79	**928.24**	**1215.21**	**1553.43**
16	17.40-17.80 18.45-18.97 18.90-19.20	Black White/Gray White/Gray		17.40-17.80 18.45-18.97 18.90-19.20	Black White/Gray White/Gray	7	10	91	**1117.67**	**1436.51**	**1881.72**
18	19.50-20.00	Black		19.50-20.00	Black	7	11	111	**1696.50**	**2047.23**	**2540.64**
20	21.60-22.06	Black		21.60-22.06	Black	7	12	120	**2034.54**	**2417.16**	**2937.84**
24	25.80-26.32	Black		25.80-26.32	Black	10	14	199	**3460.41**	**3960.94**	**4553.27**

To Order: Locate the gasket range that accommodates your pipe O.D. for both coupling ends. Use the top range of each gasket size to determine the catalog number.
Example: To connect 6.63 O.D. PVC pipe to 6.90 O.D. pipe use catalog number FC2A-663-720.

Note: Gaskets for SDR 35 sewer pipe are available in the following sizes: 4.22", 6.23", 10.50" and 12.50". Use these sizes as part of the catalog number. Contact factory for pricing.

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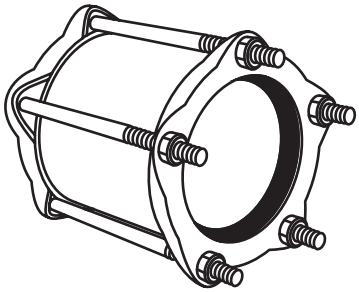
COMPONENT PARTS FOR STYLE FC2A TRANSITION COUPLINGS



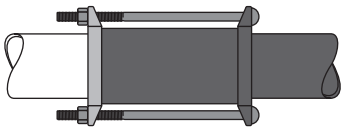
Nom. Pipe Size (In.)	SBR Gasket Catalog Number and Range	List Price	Color Code	End Ring Catalog Number	List Price	Center Sleeve Catalog Number	List Price	Nuts and Bolts Catalog Number	Bolt Size	List Price
2	**FC2AG-230-245 FC2AG-240-265 FC2AG-265-288**	**$ 12.63 ea.**	Black	**FC2A-BER-2**	**$ 15.03 ea.**	**FC2A-CS-2**	**$ 22.80**	**FBN-58-65**	5/8" x 6-1/2"	**$ 10.37 ea.**
3	**FC2AG-345-360 FC2AG-370-388 FC2AG-391-406 FC2AG-407-420**	**20.88 ea.**	Red Black Black Black	**FC2A-RER-3 FC2A-BER-3**	**20.88 ea.**	**FC2A-CS-3**	**43.15**	**FBN-58-65**	5/8" x 6-1/2"	**10.37 ea.**
4	**FC2AG-400 FC2AG-450 FC2AG-480-514 FC2AG-515-557**	**26.08 ea.**	Red Red Black White/Gray	**FC2A-RER-4 FC2A-BER-4 FC2A-WER-4**	**26.22 ea.**	**FC2A-CS-4**	**57.37**	**FBN-58-8**	5/8" x 8"	**12.19 ea.**
6	**FC2AG-600 FC2AG-663 FC2AG-690-720 FC2AG-721-756**	**27.26 ea.**	Red Red Black White/Gray	**FC2A-RER-6 FC2A-BER-6 FC2A-WER-6**	**35.90 ea.**	**FC2A-CS-6**	**95.53**	**FBN-58-8**	5/8" x 8"	**12.19 ea.**
8	**FC2AG-800 FC2AG-863 FC2AG-905-940 FC2AG-940-974**	**34.77 ea.**	Red Red Black White/Gray	**FC2A-RER-8 FC2A-BER-8 FC2A-WER-8**	**55.78 ea.**	**FC2A-CS-8**	**100.80**	**FBN-58-8**	5/8" x 8"	**12.19 ea.**
10	**FC2AG-1000 FC2AG-1075 FC2AG-1110-1140 FC2AG-1142-1177 FC2AG-1177-1212**	**43.43 ea.**	Red Red Black Black White/Gray	**FC2A-RER-10 FC2A-BER-10 FC2A-WER-10**	**61.32 ea.**	**FC2A-CS-10**	**178.58**	**FBN-58-9**	5/8" x 9"	**13.90 ea.**
12	**FC2AG-1200 FC2AG-1275 FC2AG-1320-1350 FC2AG-1369-1404 FC2AG-1403-1438**	**46.92 ea.**	Black Black Black White/Gray White/Gray	**FC2A-BER-12 FC2A-WER-12**	**93.05 ea.**	**FC2A-CS-12**	**184.49**	**FBN-58-9**	5/8" x 9"	**13.90 ea.**
14	**FC2AG-1530-1570 FC2AG-1600-1635 FC2AG-1640-1688**	**80.98 ea.**	Black Red White/Gray	**FC2A-BER-14 FC2A-RER-14 FC2A-WER-14**	**154.95 ea.**	**FC2A-CS-14**	**327.33**	**FBN-58-105**	5/8" x 10-1/2"	**14.77 ea.**
16	**FC2AG-1740-1780 FC2AG-1845-1897 FC2AG-1890-1920**	**91.11 ea.**	Black White/Gray White/Gray	**FC2A-BER-16 FC2A-WER-16**	**186.52 ea.**	**FC2A-CS-16**	**419.14**	**FBN-58-105**	5/8" x 10-1/2"	**14.77 ea.**
18	**FC2AG-1950-2000**	**107.92 ea.**	Black	**FC2A-BER-18**	**352.11 ea.**	**FC2A-CS-18**	**618.49**	**FBN-58-105**	5/8" x 10-1/2"	**14.77 ea.**
20	**FC2AG-2160-2206**	**114.71 ea.**	Black	**FC2A-BER-20**	**394.39 ea.**	**FC2A-CS-20**	**844.53**	**FBN-58-105**	5/8" x 10-1/2"	**14.77 ea.**
24	**FC2AG-2580-2632**	**121.46 ea.**	Black	**FC2A-BER-24**	**893.61 ea.**	**FC2A-CS-24**	**1147.13**	**FBN-58-135**	5/8" x 13-1/2"	**24.09 ea.**

For optional NBR (Buna-N) gasket add “-N” to the catalog number. Contact factory for price.

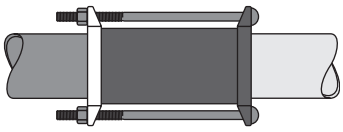
FORD TRANSITION COUPLINGS
STYLE FC2A-L12 (12" LENGTHS)



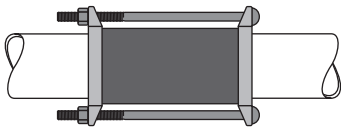
Nom. Pipe Size (In.)	Gasket Rng. 1st half \ Cat. No.	End Ring Color	By	Gasket Rng. 2nd half \ Cat. No.	End Ring Color	Center Sleeve Length (In.)	No. of Bolts	Approx. Wt. Lbs.	List Price: Standard Coupling	List Price: *Optional Feature Codes: Stainless Steel Bolts X	List Price: *Optional Feature Codes: Epoxy Coat and S.S. Bolts Y
4	4.00 4.50 4.80-5.14 5.15-5.57	Red Red Black White/Gray		4.00 4.50 4.80-5.14 5.15-5.57	Red Red Black White/Gray	12	3	35	**$ 360.22**	**$ 481.35**	**$ 629.32**
6	6.00 6.63 6.90-7.20 7.21-7.56	Red Red Black White/Gray		6.00 6.63 6.90-7.20 7.21-7.56	Red Red Black White/Gray	12	4	48	**449.03**	**610.47**	**819.36**
8	8.00 8.63 9.05-9.40 9.40-9.74	Red Red Black White/Gray		8.00 8.63 9.05-9.40 9.40-9.74	Red Red Black White/Gray	12	5	64	**573.37**	**775.18**	**984.09**
10	10.00 10.75 11.10-11.40 11.42-11.77 11.77-12.12	Red Red Black Black White/Gray		10.00 10.75 11.10-11.40 11.42-11.77 11.77-12.12	Red Red Black Black White/Gray	12	6	87	**793.18**	**1035.39**	**1396.60**
12	12.00 12.75 13.20-13.50 13.69-14.04 14.03-14.38	Black Black Black White/Gray White/Gray		12.00 12.75 13.20-13.50 13.69-14.04 14.03-14.38	Black Black Black White/Gray White/Gray	12	7	107	**927.76**	**1210.31**	**1671.66**



Steel Size PVC x Ductile Iron



A/C x C900 PVC



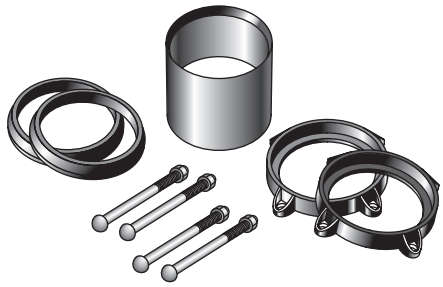
Steel Size PVC x Steel Size PVC

To Order: Locate the gasket range that accommodates your pipe O.D. for both coupling ends. Use the top range of each gasket size to determine the catalog number.
Example: To connect 6.63 O.D. PVC pipe to 6.90 O.D. pipe use catalog number FC2A-663-720-L12.

Note: Gaskets for SDR 35 sewer pipe are available in the following sizes: 4.22", 6.23", 10.50" and 12.50". Use these sizes as part of the catalog number. Contact factory for pricing.

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COMPONENT PARTS FOR STYLE FC2A-L12 TRANSITION COUPLINGS (12" LENGTHS)



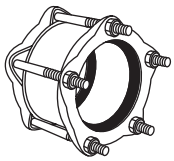
Nom. Pipe Size (In.)	SBR Gasket Catalog No. and Range	List Price	Color Code	End Ring Catalog Number	List Price	Center Sleeve Catalog Number	List Price	Nuts and Bolts Catalog Number	Bolt Size	List Price
4	**FC2AG-400 FC2AG-450 FC2AG-480-514 FC2AG-515-557**	**$ 26.08 ea.**	Red Red	**FC2A-RER-4**	**$ 26.22 ea.**	**FC2A-CS-4-L12**	**$ 183.59**	**FBN-58-155**	5/8" x 15-1/2"	**$ 28.54 ea.**
			Black	**FC2A-BER-4**						
			White/Gray	**FC2A-WER-4**						
6	**FC2AG-600 FC2AG-663 FC2AG-690-720 FC2AG-721-756**	**27.26 ea.**	Red Red	**FC2A-RER-6**	**35.90 ea.**	**FC2A-CS-6-L12**	**226.34**	**FBN-58-155**	5/8" x 15-1/2"	**28.54 ea.**
			Black	**FC2A-BER-6**						
			White/Gray	**FC2A-WER-6**						
8	**FC2AG-800 FC2AG-863 FC2AG-905-940 FC2AG-940-974**	**34.77 ea.**	Red Red	**FC2A-RER-8**	**55.78 ea.**	**FC2A-CS-8-L12**	**272.15**	**FBN-58-155**	5/8" x 15-1/2"	**28.54 ea.**
			Black	**FC2A-BER-8**						
			White/Gray	**FC2A-WER-8**						
10	**FC2AG-1000 FC2AG-1075 FC2AG-1110-1140 FC2AG-1142-1177 FC2AG-1177-1212**	**43.43 ea.**	Red Red	**FC2A-RER-10**	**61.32 ea.**	**FC2A-CS-10-L12**	**439.30**	**FBN-58-155**	5/8" x 15-1/2"	**28.54 ea.**
			Black Black	**FC2A-BER-10**						
			White/Gray	**FC2A-WER-10**						
12	**FC2AG-1200 FC2AG-1275 FC2AG-1320-1350 FC2AG-1369-1404 FC2AG-1403-1438**	**46.92 ea.**	Black Black Black	**FC2A-BER-12**	**93.05 ea.**	**FC2A-CS-12-L12**	**479.35**	**FBN-58-155**	5/8" x 15-1/2"	**28.54 ea.**
			White/Gray White/Gray	**FC2A-WER-12**						

FORD STEEL TRANSITION COUPLING - *4" THROUGH 24"*

STYLE FC23 - FABRICATED STEEL CENTER SLEEVE WITH DUCTILE IRON END RINGS

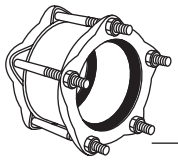
How to order FC23 couplings: Locate the gasket ranges that accommodate your pipe O.D.s for both coupling ends. Select the desired center sleeve length and use the corresponding catalog number.

* For stainless steel bolts and epoxy coating options, substitute the "X" or "Y" code for the standard catalog number "R" code. Example: FC23-400-400-05**Y** has epoxy coating and stainless steel bolts.



Nom. Pipe Size (In.)	1st End Gasket Range	2nd End Gasket Range	Length of Center Sleeve	Standard Catalog Number	No. of Bolts	Approx. Wt. Lbs.	List Price		
								*Optional Feature Codes	
							Std. Cplg.	Stainless Steel Bolts	Epoxy Coat and S.S. Bolts
								X	Y
4	4.00	4.00	5	FC23-400-400-05R	3	18.7	$ 250.87	$ 317.90	$ 399.17
	4.00	4.00	7	FC23-400-400-07R	3	23.1	296.64	390.81	496.00
	4.00	4.00	10	FC23-400-400-10R	3	29.9	355.49	461.07	594.98
	4.00	4.50	5	FC23-400-450-05R	3	18.5	250.87	317.90	399.17
	4.00	4.50	7	FC23-400-450-07R	3	22.9	296.64	390.81	496.00
	4.00	4.50	10	FC23-400-450-10R	3	29.7	355.49	461.07	594.98
	4.00	4.80-5.14	5	FC23-400-514-05R	3	18.3	250.87	317.90	399.17
	4.00	4.80-5.14	7	FC23-400-514-07R	3	22.3	296.64	390.81	496.00
	4.00	4.80-5.14	10	FC23-400-514-10R	3	29.3	355.49	461.07	594.98
	4.00	5.15-5.57	5	FC23-400-557-05R	3	17.8	250.87	317.90	399.17
	4.00	5.15-5.57	7	FC23-400-557-07R	3	22.2	296.64	390.81	496.00
	4.00	5.15-5.57	10	FC23-400-557-10R	3	29.0	355.49	461.07	594.98
	4.50	4.50	5	FC23-450-450-05R	3	18.3	250.87	317.90	399.17
	4.50	4.50	7	FC23-450-450-07R	3	22.7	296.64	390.81	496.00
	4.50	4.50	10	FC23-450-450-10R	3	29.5	355.49	461.07	594.98
	4.50	4.80-5.14	5	FC23-450-514-05R	3	18.0	250.87	317.90	399.17
	4.50	4.80-5.14	7	FC23-450-514-07R	3	22.4	296.64	390.81	496.00
	4.50	4.80-5.14	10	FC23-450-514-10R	3	29.2	355.49	461.07	594.98
	4.50	5.15-5.57	5	FC23-450-557-05R	3	17.6	250.87	317.90	399.17
	4.50	5.15-5.57	7	FC23-450-557-07R	3	22.0	296.64	390.81	496.00
	4.50	5.15-5.57	10	FC23-450-557-10R	3	28.8	355.49	461.07	594.98
	4.80-5.14	4.80-5.14	5	FC23-514-514-05R	3	17.7	250.87	317.90	399.17
	4.80-5.14	4.80-5.14	7	FC23-514-514-07R	3	22.0	296.64	390.81	496.00
	4.80-5.14	4.80-5.14	10	FC23-514-514-10R	3	28.8	355.49	461.07	594.98
	4.80-5.14	5.15-5.57	5	FC23-514-557-05R	3	17.3	250.87	317.90	399.17
	4.80-5.14	5.15-5.57	7	FC23-514-557-07R	3	21.7	296.64	390.81	496.00
	4.80-5.14	5.15-5.57	10	FC23-514-557-10R	3	28.5	355.49	461.07	594.98
	5.15-5.57	5.15-5.57	5	FC23-557-557-05R	3	17.0	250.87	317.90	399.17
	5.15-5.57	5.15-5.57	7	FC23-557-557-07R	3	21.4	296.64	390.81	496.00
	5.15-5.57	5.15-5.57	10	FC23-557-557-10R	3	28.2	355.49	461.07	594.98
6	6.00	6.00	5	FC23-600-600-05R	4	25.3	356.16	445.58	536.48
	6.00	6.00	7	FC23-600-600-07R	4	24.0	424.04	549.55	664.31
	6.00	6.00	10	FC23-600-600-10R	4	40.1	521.25	662.06	800.76
	6.00	6.63	5	FC23-600-663-05R	4	19.0	356.16	445.58	536.48
	6.00	6.63	7	FC23-600-663-07R	4	30.7	424.04	549.55	664.31
	6.00	6.63	10	FC23-600-663-10R	4	40.1	521.25	662.06	800.76
	6.00	6.90-7.20	5	FC23-600-720-05R	4	24.4	356.16	445.58	536.48
	6.00	6.90-7.20	7	FC23-600-720-07R	4	24.0	424.04	549.55	664.31
	6.00	6.90-7.20	10	FC23-600-720-10R	4	39.2	521.25	662.06	800.76
	6.00	7.21-7.56	5	FC23-600-756-05R	4	24.0	356.16	445.58	536.48
	6.00	7.21-7.56	7	FC23-600-756-07R	4	29.8	424.04	549.55	664.31
	6.00	7.21-7.56	10	FC23-600-756-10R	4	38.8	521.25	662.06	800.76
	6.63	6.63	5	FC23-663-663-05R	4	24.6	356.16	445.58	536.48
	6.63	6.63	7	FC23-663-663-07R	4	30.4	424.04	549.55	664.31
	6.63	6.63	10	FC23-663-663-10R	4	39.4	521.25	662.06	800.76
	6.63	6.90-7.20	5	FC23-663-720-05R	4	24.2	356.16	445.58	536.48
	6.63	6.90-7.20	7	FC23-663-720-07R	4	29.9	424.04	549.55	664.31
	6.63	6.90-7.20	10	FC23-663-720-10R	4	38.9	521.25	662.06	800.76
	6.63	7.21-7.56	5	FC23-663-756-05R	4	23.7	356.16	445.58	536.48
	6.63	7.21-7.56	7	FC23-663-756-07R	4	29.5	424.04	549.55	664.31
	6.63	7.21-7.56	10	FC23-663-756-10R	4	38.5	521.25	662.06	800.76
	6.90-7.20	6.90-7.20	5	FC23-720-720-05R	4	23.5	356.16	445.58	536.48
	6.90-7.20	6.90-7.20	7	FC23-720-720-07R	4	29.3	424.04	549.55	664.31
	6.90-7.20	6.90-7.20	10	FC23-720-720-10R	4	38.3	521.25	662.06	800.76
	6.90-7.20	7.21-7.56	5	FC23-720-756-05R	4	23.1	356.16	445.58	536.48
	6.90-7.20	7.21-7.56	7	FC23-720-756-07R	4	28.9	424.04	549.55	664.31
	6.90-7.20	7.21-7.56	10	FC23-720-756-10R	4	37.9	521.25	662.06	800.76
	7.21-7.56	7.21-7.56	5	FC23-756-756-05R	4	23.3	356.16	445.58	536.48
	7.21-7.56	7.21-7.56	7	FC23-756-756-07R	4	28.5	424.04	549.55	664.31
	7.21-7.56	7.21-7.56	10	FC23-756-756-10R	4	37.5	521.25	662.06	800.76

FORD STEEL TRANSITION COUPLING - *(4" THROUGH 24")* CONTINUED
STYLE FC23 - FABRICATED STEEL CENTER SLEEVE WITH DUCTILE IRON END RINGS

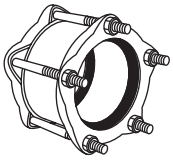


Nom. Pipe Size (In.)	1st End Gskt. Rnge. (In.)	2nd End Gskt. Rnge. (In.)	Length of Ctr. Sleeve	Standard Catalog Number	No. of Bolts	Apprx Wt. Lbs.	List Price		
							Std. Cplg.	*Optional Feature Codes	
								Stainless Steel Bolts	Epoxy Coat and S.S. Bolts
								X	Y
8	8.00	8.00	5	FC23-800-800-05R	5	29.2	$ 368.33	$ 480.05	$ 604.48
	8.00	8.00	7	FC23-800-800-07R	5	34.7	421.66	578.57	731.60
	8.00	8.00	10	FC23-800-800-10R	5	39.0	469.49	645.53	832.02
	8.00	8.63	5	FC23-800-863-05R	5	26.0	368.33	480.05	604.48
	8.00	8.63	7	FC23-800-863-07R	5	34.3	421.66	578.57	731.60
	8.00	8.63	10	FC23-800-863-10R	5	39.0	469.49	645.53	832.02
	8.00	9.05-9.40	5	FC23-800-940-05R	5	26.0	368.33	480.05	604.48
	8.00	9.05-9.40	7	FC23-800-940-07R	5	33.3	421.66	578.57	731.60
	8.00	9.05-9.40	10	FC23-800-940-10R	5	41.7	469.49	645.53	832.02
	8.00	9.40-9.74	5	FC23-800-974-05R	5	26.9	368.33	480.05	604.48
	8.00	9.40-9.74	7	FC23-800-974-07R	5	32.5	421.66	578.57	731.60
	8.00	9.40-9.74	10	FC23-800-974-10R	5	40.9	469.49	645.53	832.02
	8.63	8.63	5	FC23-863-863-05R	5	28.3	368.33	480.05	604.48
	8.63	8.63	7	FC23-863-863-07R	5	33.9	421.66	578.57	731.60
	8.63	8.63	10	FC23-863-863-10R	5	42.3	469.49	645.53	832.02
	8.63	9.05-9.40	5	FC23-863-940-05R	5	27.4	368.33	480.05	604.48
	8.63	9.05-9.40	7	FC23-863-940-07R	5	32.9	421.66	578.57	731.60
	8.63	9.05-9.40	10	FC23-863-940-10R	5	41.3	469.49	645.53	832.02
	8.63	9.40-9.74	5	FC23-863-974-05R	5	26.5	368.33	480.05	604.48
	8.63	9.40-9.74	7	FC23-863-974-07R	5	32.1	421.66	578.57	731.60
	8.63	9.40-9.74	10	FC23-863-974-10R	5	40.5	469.49	645.53	832.02
	9.05-9.40	9.05-9.40	5	FC23-940-940-05R	5	26.4	368.33	480.05	604.48
	9.05-9.40	9.05-9.40	7	FC23-940-940-07R	5	32.0	421.66	578.57	731.60
	9.05-9.40	9.05-9.40	10	FC23-940-940-10R	5	40.4	469.49	645.53	832.02
	9.05-9.40	9.40-9.74	5	FC23-940-974-05R	5	25.5	368.33	480.05	604.48
	9.05-9.40	9.40-9.74	7	FC23-940-974-07R	5	31.1	421.66	578.57	731.60
	9.05-9.40	9.40-9.74	10	FC23-940-974-10R	5	39.5	469.49	645.53	832.02
	9.40-9.74	9.40-9.74	5	FC23-974-974-05R	5	24.6	368.33	480.05	604.48
	9.40-9.74	9.40-9.74	7	FC23-974-974-07R	5	30.2	421.66	578.57	731.60
	9.40-9.74	9.40-9.74	10	FC23-974-974-10R	5	38.6	469.49	645.53	832.02
10	10.75	10.75	5	FC23-1075-1075-05R	6	38.7	424.45	558.55	716.32
	10.75	10.75	7	FC23-1075-1075-07R	6	45.6	488.42	676.77	868.07
	10.75	10.75	10	FC23-1075-1075-10R	6	55.9	545.14	756.28	990.63
	10.75	11.10-11.40	5	FC23-1075-1140-05R	6	36.7	424.45	558.55	716.32
	10.75	11.10-11.40	7	FC23-1075-1140-07R	6	40.0	488.42	676.77	868.07
	10.75	11.10-11.40	10	FC23-1075-1140-10R	6	53.9	545.14	756.28	990.63
	10.75	11.42-11.77	5	FC23-1075-1177-05R	6	36.4	424.45	558.55	716.32
	10.75	11.42-11.77	7	FC23-1075-1177-07R	6	43.3	488.42	676.77	868.07
	10.75	11.42-11.77	10	FC23-1075-1177-10R	6	53.6	545.14	756.28	990.63
	10.75	11.77-12.12	5	FC23-1075-1212-05R	6	35.8	424.45	558.55	716.32
	10.75	11.77-12.12	7	FC23-1075-1212-07R	6	42.7	488.42	676.77	868.07
	10.75	11.77-12.12	10	FC23-1075-1212-10R	6	53.0	545.14	756.28	990.63
	11.10-11.40	11.10-11.40	5	FC23-1140-1140-05R	6	34.7	424.45	558.55	716.32
	11.10-11.40	11.10-11.40	7	FC23-1140-1140-07R	6	41.6	488.42	676.77	868.07
	11.10-11.40	11.10-11.40	10	FC23-1140-1140-10R	6	51.9	545.14	756.28	990.63
	11.10-11.40	11.42-11.77	5	FC23-1140-1177-05R	6	34.4	424.45	558.55	716.32
	11.10-11.40	11.42-11.77	7	FC23-1140-1177-07R	6	41.3	488.42	676.77	868.07
	11.10-11.40	11.42-11.77	10	FC23-1140-1177-10R	6	51.6	545.14	756.28	990.63
	11.10-11.40	11.77-12.12	5	FC23-1140-1212-05R	6	33.7	424.45	558.55	716.32
	11.10-11.40	11.77-12.12	7	FC23-1140-1212-07R	6	40.6	488.42	676.77	868.07
	11.10-11.40	11.77-12.12	10	FC23-1140-1212-10R	6	51.0	545.14	756.28	990.63
	11.42-11.77	11.42-11.77	5	FC23-1177-1177-05R	6	34.1	424.45	558.55	716.32
	11.42-11.77	11.42-11.77	7	FC23-1177-1177-07R	6	41.0	488.42	676.77	868.07
	11.42-11.77	11.42-11.77	10	FC23-1177-1177-10R	6	51.3	545.14	756.28	990.63
	11.42-11.77	11.77-12.12	5	FC23-1177-1212-05R	6	33.5	424.45	558.55	716.32
	11.42-11.77	11.77-12.12	7	FC23-1177-1212-07R	6	40.4	488.42	676.77	868.07
	11.42-11.77	11.77-12.12	10	FC23-1177-1212-10R	6	50.7	545.14	756.28	990.63
	11.77-12.12	11.77-12.12	5	FC23-1212-1212-05R	6	32.8	424.45	558.55	716.32
	11.77-12.12	11.77-12.12	7	FC23-1212-1212-07R	6	39.7	488.42	676.77	868.07
	11.77-12.12	11.77-12.12	10	FC23-1212-1212-10R	6	50.1	545.14	756.28	990.63

Additional sizes on following page.

FORD STEEL TRANSITION COUPLING - *(4" THROUGH 24")* CONTINUED

STYLE FC23 - FABRICATED STEEL CENTER SLEEVE WITH DUCTILE IRON END RINGS

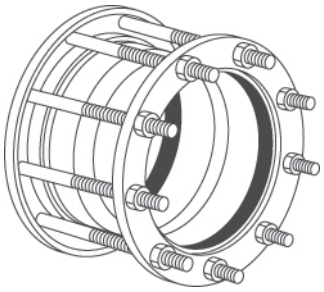


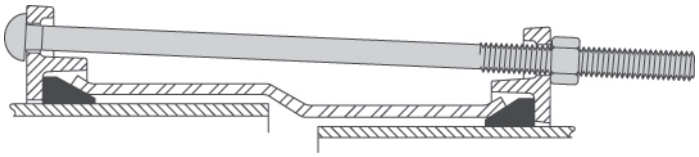
Nom. Pipe Size	1st End Gskt. Rnge.	2nd End Gskt. Rnge.	Length of Ctr. Sleeve	Standard Catalog Number	No. of Bolts	Apprx Wt. Lbs.	List Price Std. Cplg.	List Price *Optional Feature Codes Stainless Steel Bolts X	List Price *Optional Feature Codes Epoxy Coat and S.S. Bolts Y
12"	12.75	12.75	5	FC23-1275-1275-05R	7	46.3	$ 466.69	$ 623.11	$ 821.93
	12.75	12.75	7	FC23-1275-1275-07R	7	54.1	544.41	764.09	1010.03
	12.75	12.75	10	FC23-1275-1275-10R	7	66.3	609.12	855.45	1147.18
	12.75	13.20-13.50	5	FC23-1275-1350-05R	7	45.3	466.69	623.11	821.93
	12.75	13.20-13.50	7	FC23-1275-1350-07R	7	53.5	544.41	764.09	1010.03
	12.75	13.20-13.50	10	FC23-1275-1350-10R	7	65.7	609.12	855.45	1147.18
	12.75	13.69-14.04	5	FC23-1275-1404-05R	7	43.1	466.69	623.11	821.93
	12.75	13.69-14.04	7	FC23-1275-1404-07R	7	51.3	544.41	764.09	1010.03
	12.75	13.69-14.04	10	FC23-1275-1404-10R	7	63.5	609.12	855.45	1147.18
	12.75	14.03-14.38	5	FC23-1275-1438-05R	7	42.7	466.69	623.11	821.93
	12.75	14.03-14.38	7	FC23-1275-1438-07R	7	50.8	544.41	764.09	1010.03
	12.75	14.03-14.38	10	FC23-1275-1438-10R	7	63.0	609.12	855.45	1147.18
	13.20-13.50	13.20-13.50	5	FC23-1350-1350-05R	7	42.7	466.69	623.11	821.93
	13.20-13.50	13.20-13.50	7	FC23-1350-1350-07R	7	50.8	544.41	764.09	1010.03
	13.20-13.50	13.20-13.50	10	FC23-1350-1350-10R	7	63.0	609.12	855.45	1147.18
	13.20-13.50	13.69-14.04	5	FC23-1350-1404-05R	7	42.5	466.69	623.11	821.93
	13.20-13.50	13.69-14.04	7	FC23-1350-1404-07R	7	50.6	544.41	764.09	1010.03
	13.20-13.50	13.69-14.04	10	FC23-1350-1404-10R	7	62.8	609.12	855.45	1147.18
	13.20-13.50	14.03-14.38	5	FC23-1350-1438-05R	7	42.0	466.69	623.11	821.93
	13.20-13.50	14.03-14.38	7	FC23-1350-1438-07R	7	50.2	544.41	764.09	1010.03
	13.20-13.50	14.03-14.38	10	FC23-1350-1438-10R	7	62.4	609.12	855.45	1147.18
	13.69-14.04	13.69-14.04	5	FC23-1404-1404-05R	7	40.3	466.69	623.11	821.93
	13.69-14.04	13.69-14.04	7	FC23-1404-1404-07R	7	56.0	544.41	764.09	1010.03
	13.69-14.04	13.69-14.04	10	FC23-1404-1404-10R	7	60.6	609.12	855.45	1147.18
	13.69-14.04	14.03-14.38	5	FC23-1404-1438-05R	7	39.8	466.69	623.11	821.93
	13.69-14.04	14.03-14.38	7	FC23-1404-1438-07R	7	48.0	544.41	764.09	1010.03
	13.69-14.04	14.03-14.38	10	FC23-1404-1438-10R	7	60.2	609.12	855.45	1147.18
	14.03-14.38	14.03-14.38	5	FC23-1438-1438-05R	7	39.3	466.69	623.11	821.93
	14.03-14.38	14.03-14.38	7	FC23-1438-1438-07R	7	47.5	544.41	764.09	1010.03
	14.03-14.38	14.03-14.38	10	FC23-1438-1438-10R	7	59.7	609.12	855.45	1147.18
14"	15.30-15.70	15.30-15.70	5	FC23-1570-1570-05R	9	62.6	1053.55	1254.63	1546.20
	15.30-15.70	15.30-15.70	7	FC23-1570-1570-07R	9	71.9	1141.30	1423.72	1749.56
	15.30-15.70	15.30-15.70	10	FC23-1570-1570-10R	9	86.6	1230.00	1538.50	1930.15
	15.30-15.70	16.00-16.35	5	FC23-1570-1635-05R	9	58.0	1053.55	1254.63	1546.20
	15.30-15.70	16.00-16.35	7	FC23-1570-1635-07R	9	70.1	1141.30	1423.72	1749.56
	15.30-15.70	16.00-16.35	10	FC23-1570-1635-10R	9	84.8	1230.00	1538.50	1930.15
	15.30-15.70	16.40-16.88	5	FC23-1570-1688-05R	9	59.9	1053.55	1254.63	1546.20
	15.30-15.70	16.40-16.88	7	FC23-1570-1688-07R	9	70.0	1141.30	1423.72	1749.56
	15.30-15.70	16.40-16.88	10	FC23-1570-1688-10R	9	84.4	1230.00	1538.50	1930.15
	16.00-16.35	16.00-16.35	5	FC23-1635-1635-05R	9	55.0	1053.55	1254.63	1546.20
	16.00-16.35	16.00-16.35	7	FC23-1635-1635-07R	9	66.0	1141.30	1423.72	1749.56
	16.00-16.35	16.00-16.35	10	FC23-1635-1635-10R	9	80.0	1230.00	1538.50	1930.15
	16.00-16.35	16.40-16.88	5	FC23-1635-1688-05R	9	58.5	1053.55	1254.63	1546.20
	16.00-16.35	16.40-16.88	7	FC23-1635-1688-07R	9	67.0	1141.30	1423.72	1749.56
	16.00-16.35	16.40-16.88	10	FC23-1635-1688-10R	9	80.0	1230.00	1538.50	1930.15
	16.40-16.88	16.40-16.88	5	FC23-1688-1688-05R	9	57.0	1053.55	1254.63	1546.20
	16.40-16.88	16.40-16.88	7	FC23-1688-1688-07R	9	68.0	1141.30	1423.72	1749.56
	16.40-16.88	16.40-16.88	10	FC23-1688-1688-10R	9	81.0	1230.00	1538.50	1930.15
16"	17.40-17.80	17.40-17.80	5	FC23-1780-1780-05R	10	81.5	1367.50	1590.90	1937.55
	17.40-17.80	17.40-17.80	7	FC23-1780-1780-07R	10	92.1	1465.00	1778.84	2184.56
	17.40-17.80	17.40-17.80	10	FC23-1780-1780-10R	10	108.6	1550.01	1892.75	2364.29
	17.40-17.80	18.45-18.97	5	FC23-1780-1897-05R	10	71.0	1367.50	1590.90	1937.55
	17.40-17.80	18.45-18.97	7	FC23-1780-1897-07R	10	90.6	1465.00	1778.84	2184.56
	17.40-17.80	18.45-18.97	10	FC23-1780-1897-10R	10	105.2	1550.01	1892.75	2364.29
	17.40-17.80	18.90-19.20	5	FC23-1780-1920-05R	10	73.0	1367.50	1590.90	1937.55
	17.40-17.80	18.90-19.20	7	FC23-1780-1920-07R	10	88.1	1465.00	1778.84	2184.56
	17.40-17.80	18.90-19.20	10	FC23-1780-1920-10R	10	104.6	1550.01	1892.75	2364.29
	18.45-18.97	18.45-18.97	5	FC23-1897-1897-05R	10	72.0	1367.50	1590.90	1937.55
	18.45-18.97	18.45-18.97	7	FC23-1897-1897-07R	10	84.0	1465.00	1778.84	2184.56
	18.45-18.97	18.45-18.97	10	FC23-1897-1897-10R	10	101.8	1550.01	1892.75	2364.29
	18.45-18.97	18.90-19.20	5	FC23-1897-1920-05R	10	71.0	1367.50	1590.90	1937.55
	18.45-18.97	18.90-19.20	7	FC23-1897-1920-07R	10	84.0	1465.00	1778.84	2184.56
	18.45-18.97	18.90-19.20	10	FC23-1897-1920-10R	10	98.0	1550.01	1892.75	2364.29
	18.90-19.20	18.90-19.20	5	FC23-1920-1920-05R	10	73.6	1367.50	1590.90	1937.55
	18.90-19.20	18.90-19.20	7	FC23-1920-1920-07R	10	83.0	1465.00	1778.84	2184.56
	18.90-19.20	18.90-19.20	10	FC23-1920-1920-10R	10	97.0	1550.01	1892.75	2364.29
18"	19.50-20.00	19.50-20.00	7	FC23-2000-2000-07R	11	88.9	1543.53	1888.77	2302.54
	19.50-20.00	19.50-20.00	10	FC23-2000-2000-10R	11	106.1	1632.53	2019.54	2503.85
20"	21.60-22.06	21.60-22.06	7	FC23-2206-2206-07R	12	99.6	1694.97	2071.61	2537.09
	21.60-22.06	21.60-22.06	10	FC23-2206-2206-10R	12	118.6	1791.93	2214.11	2773.69
24"	25.80-26.32	25.80-26.32	7	FC23-2632-2632-07R	14	116.7	2307.29	2746.61	3536.52
	25.80-26.32	25.80-26.32	10	FC23-2632-2632-10R	14	140.1	2441.32	2933.90	3803.71

See FC4, FC5, and FC6 for larger couplings.

FORD STEEL TRANSITION COUPLINGS

STYLE FC5 - 1" MAXIMUM TRANSITION (except as listed)





Cross Section Detail of Stepped Sleeve

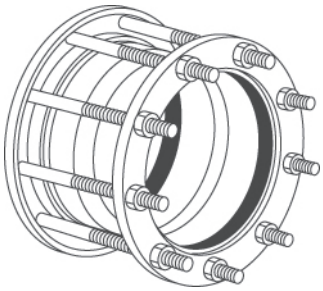
Listed below are common sizes of FC5 couplings. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact customer service for pricing.

***** For stainless steel bolts and epoxy coating options, substitute the "X" or "Y" code for the standard catalog number "R" code. Example: FC5-1400-1530-A10**Y** has epoxy coating and stainless steel bolts.

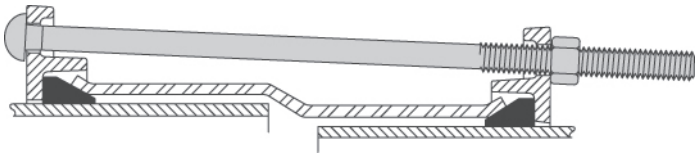
Nom. Pipe Size (In.)	1st End Pipe O.D.	2nd End Pipe O.D.	Center Sleeve Info.	Standard Catalog Number	No. of Bolts	Rated Working Pressure	Approx. Wt. Lbs.	List Price		
								Std. Cplg.	Stainless Steel Bolts "X"	Epoxy Coat and S.S. Bolts "Y"
14	14.00	15.30	1/4" x 10"	**FC5-1400-1530-A10R**	9	200	91.0	**$ 1150.95**	**$ 1467.66**	**$ 1831.15**
	15.30	15.65	1/4" x 10"	**FC5-1530-1565-A10R**	9	416	94.7	**1212.11**	**1528.83**	**1916.19**
	15.30	15.98	1/4" x 10"	**FC5-1530-1598-A10R**	9	416	95.2	**1224.64**	**1541.31**	**1933.50**
	15.30	16.22	1/4" x 10"	**FC5-1530-1622-A10R**	9	410	95.6	**1240.57**	**1557.30**	**1943.73**
16	16.00	17.40	1/4" x 10"	**FC5-1600-1740-A10R**	10	200	103.1	**1247.68**	**1599.57**	**2010.87**
	17.40	17.80	1/4" x 10"	**FC5-1740-1780-A10R**	10	372	107.4	**1291.54**	**1643.41**	**2088.18**
	17.40	17.94	1/4" x 10"	**FC5-1740-1794-A10R**	10	372	107.6	**1298.62**	**1650.52**	**2095.29**
	17.40	18.16	1/4" x 10"	**FC5-1740-1816-A10R**	10	372	107.9	**1303.81**	**1655.70**	**2100.44**
18	18.00	19.50	1/4" x 10"	**FC5-1800-1950-A10R**	11	200	114.5	**1358.28**	**1745.37**	**2199.67**
	19.50	19.92	1/4" x 10"	**FC5-1950-1992-A10R**	11	337	118.8	**1370.24**	**1757.31**	**2240.30**
20	20.00	21.60	1/4" x 10"	**FC5-2000-2160-A10R**	12	200	125.6	**1422.32**	**1844.61**	**2351.54**
	21.60	22.06	1/4" x 10"	**FC5-2160-2206-A10R**	12	313	131.8	**1453.85**	**1876.10**	**2426.07**
	21.60	22.50	1/4" x 10"	**FC5-2160-2250-A10R**	12	313	132.5	**1509.52**	**1931.84**	**2481.80**
24	24.00	25.80	1/4" x 10"	**FC5-2400-2580-A10R**	14	200	150.5	**1703.65**	**2196.35**	**2796.89**
	25.80	26.32	1/4" x 10"	**FC5-2580-2632-A10R**	14	250	155.6	**1717.61**	**2210.25**	**2841.54**
	25.80	26.48	1/4" x 10"	**FC5-2580-2648-A10R**	14	250	155.9	**1717.61**	**2210.25**	**2846.32**
30	30.00	32.00	1/4" x 10"	**FC5-3000-3200-A10R**	16	200	185.3	**1948.99**	**2512.06**	**3262.87**
	31.74	32.00	1/4" x 10"	**FC5-3174-3200-A10R**	16	230	188.9	**1956.39**	**2519.46**	**3284.60**
	32.00	32.40	1/4" x 10"	**FC5-3200-3240-A10R**	16	230	191.2	**1985.43**	**2548.51**	**3323.25**
	32.00	32.40	3/8" x 10"	**FC5-3200-3240-B10R**	16	230	231.4	**2378.18**	**2941.26**	**3888.10**
	32.00	32.74	1/4" x 10"	**FC5-3200-3274-A10R**	16	230	191.7	**1990.06**	**2553.15**	**3332.63**
36	36.00	38.30	1/4" x 10"	**FC5-3600-3830-A10R**	18	193	224.8	**2310.15**	**2943.58**	**3842.64**
	37.96	38.30	1/4" x 10"	**FC5-3796-3830-A10R**	18	193	228.4	**2323.85**	**2957.26**	**3889.84**
	38.30	38.70	1/4" x 10"	**FC5-3830-3870-A10R**	18	193	230.1	**2333.08**	**2966.52**	**3903.84**
	38.30	38.70	3/8" x 10"	**FC5-3830-3870-B10R**	18	193	264.4	**2399.82**	**3033.27**	**4176.25**
	38.30	38.70	3/8" x 15"	**FC5-3830-3870-B15R**	18	193	354.8	**2785.51**	**3579.70**	**5066.94**
	38.30	39.16	1/4" x 10"	**FC5-3830-3916-A10R**	18	193	230.7	**2338.98**	**2972.39**	**3909.75**
42	44.20	44.50	3/8" x 10"	**FC5-4420-4450-B10R**	20	250	337.0	**4711.15**	**5414.98**	**6897.43**
	44.50	45.10	3/8" x 10"	**FC5-4450-4510-B10R**	20	250	340.5	**4748.76**	**5452.60**	**6960.84**
	44.50	45.10	3/8" x 15"	**FC5-4450-4510-B15R**	20	250	431.4	**5548.55**	**6430.92**	**8319.91**
	44.50	45.58	3/8" x 10"	**FC5-4450-4558-B10R**	20	250	341.0	**4765.19**	**5469.02**	**6965.83**
48	50.50	50.80	3/8" x 10"	**FC5-5050-5080-B10R**	22	220	374.6	**5251.04**	**6025.21**	**7708.55**
	50.80	51.40	3/8" x 10"	**FC5-5080-5140-B10R**	22	220	377.0	**5400.13**	**6174.36**	**7872.03**
	50.80	51.40	3/8" x 15"	**FC5-5080-5140-B15R**	22	220	480.2	**5895.26**	**6865.88**	**9013.04**
	50.80	51.98	3/8" x 10"	**FC5-5080-5198-B10R**	22	220	377.8	**5419.42**	**6193.56**	**7896.00**

FORD STAINLESS STEEL TRANSITION COUPLINGS

STYLE FC5X AND FC5Q - 1" MAXIMUM TRANSITION (except as listed)



X = 304 Stainless Steel
Q = 316 Stainless Steel



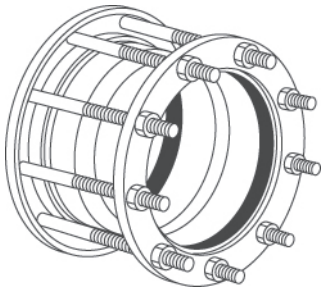
Cross Section Detail of Stepped Sleeve

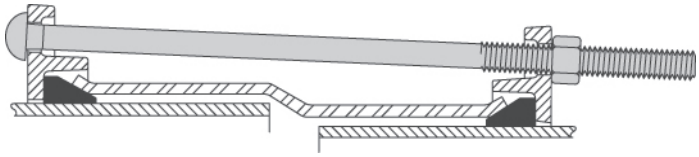
Listed below are common sizes of FC5X and FC5Q couplings. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact customer service for pricing.

Nominal Pipe Size (In.)	1st End Gasket Range (In.)	2nd End Gasket Range (In.)	Center Sleeve Information (In.)	Catalog Number 304 Stainless Steel	List Price	Catalog Number 316 Stainless Steel	List Price	Number of Bolts	Rated Working Pressure (PSI)
14	14.00	15.30	1/4 x 10	**FC5X-1400-1530-A10X**	**P.O.A.**	**FC5Q-1400-1530-A10Q**	**P.O.A.**	9	200
	15.30	15.65	1/4 x 10	**FC5X-1530-1565-A10X**	**P.O.A.**	**FC5Q-1530-1565-A10Q**	**P.O.A.**	9	416
	15.30	15.98	1/4 x 10	**FC5X-1530-1598-A10X**	**P.O.A.**	**FC5Q-1530-1598-A10Q**	**P.O.A.**	9	416
	15.30	16.22	1/4 x 10	**FC5X-1530-1622-A10X**	**P.O.A.**	**FC5Q-1530-1622-A10Q**	**P.O.A.**	9	410
16	16.00	17.40	1/4 x 10	**FC5X-1600-1740-A10X**	**P.O.A.**	**FC5Q-1600-1740-A10Q**	**P.O.A.**	10	200
	17.40	17.80	1/4 x 10	**FC5X-1740-1780-A10X**	**P.O.A.**	**FC5Q-1740-1780-A10Q**	**P.O.A.**	10	372
	17.40	17.94	1/4 x 10	**FC5X-1740-1794-A10X**	**P.O.A.**	**FC5Q-1740-1794-A10Q**	**P.O.A.**	10	372
	17.40	18.16	1/4 x 10	**FC5X-1740-1816-A10X**	**P.O.A.**	**FC5Q-1740-1816-A10Q**	**P.O.A.**	10	372
18	18.00	19.50	1/4 x 10	**FC5X-1800-1950-A10X**	**P.O.A.**	**FC5Q-1800-1950-A10Q**	**P.O.A.**	11	200
	19.50	19.92	1/4 x 10	**FC5X-1950-1992-A10X**	**P.O.A.**	**FC5Q-1950-1992-A10Q**	**P.O.A.**	11	337
20	20.00	21.60	1/4 x 10	**FC5X-2000-2160-A10X**	**P.O.A.**	**FC5Q-2000-2160-A10Q**	**P.O.A.**	12	200
	21.60	22.06	1/4 x 10	**FC5X-2160-2206-A10X**	**P.O.A.**	**FC5Q-2160-2206-A10Q**	**P.O.A.**	12	313
	21.60	22.50	1/4 x 10	**FC5X-2160-2250-A10X**	**P.O.A.**	**FC5Q-2160-2250-A10Q**	**P.O.A.**	12	313
24	24.00	25.80	1/4 x 10	**FC5X-2400-2580-A10X**	**P.O.A.**	**FC5Q-2400-2580-A10Q**	**P.O.A.**	14	200
	25.80	26.32	1/4 x 10	**FC5X-2580-2632-A10X**	**P.O.A.**	**FC5Q-2580-2632-A10Q**	**P.O.A.**	14	250
	25.80	26.48	1/4 x 10	**FC5X-2580-2648-A10X**	**P.O.A.**	**FC5Q-2580-2648-A10Q**	**P.O.A.**	14	250
30	30.00	32.00	1/4 x 10	**FC5X-3000-3200-A10X**	**P.O.A.**	**FC5Q-3000-3200-A10Q**	**P.O.A.**	16	200
	31.74	32.00	1/4 x 10	**FC5X-3174-3200-A10X**	**P.O.A.**	**FC5Q-3174-3200-A10Q**	**P.O.A.**	16	230
	32.00	32.40	1/4 x 10	**FC5X-3200-3240-A10X**	**P.O.A.**	**FC5Q-3200-3240-A10Q**	**P.O.A.**	16	230
	32.00	32.40	3/8 x 10	**FC5X-3200-3240-B10X**	**P.O.A.**	**FC5Q-3200-3240-B10Q**	**P.O.A.**	16	230
	32.00	32.74	1/4 x 10	**FC5X-3200-3274-A10X**	**P.O.A.**	**FC5Q-3200-3274-A10Q**	**P.O.A.**	16	230
36	36.00	38.30	1/4 x 10	**FC5X-3600-3830-A10X**	**P.O.A.**	**FC5Q-3600-3830-A10Q**	**P.O.A.**	18	193
	37.96	38.30	1/4 x 10	**FC5X-3796-3830-A10X**	**P.O.A.**	**FC5Q-3796-3830-A10Q**	**P.O.A.**	18	193
	38.30	38.70	1/4 x 10	**FC5X-3830-3870-A10X**	**P.O.A.**	**FC5Q-3830-3870-A10Q**	**P.O.A.**	18	193
	38.30	38.70	3/8 x 10	**FC5X-3830-3870-B10X**	**P.O.A.**	**FC5Q-3830-3870-B10Q**	**P.O.A.**	18	193
	38.30	38.70	3/8 x 15	**FC5X-3830-3870-B15X**	**P.O.A.**	**FC5Q-3830-3870-B15Q**	**P.O.A.**	18	193
	38.30	39.16	1/4 x 10	**FC5X-3830-3916-A10X**	**P.O.A.**	**FC5Q-3830-3916-A10Q**	**P.O.A.**	18	193
42	44.20	44.50	3/8 x 10	**FC5X-4420-4450-B10X**	**P.O.A.**	**FC5Q-4420-4450-B10Q**	**P.O.A.**	20	250
	44.50	45.10	3/8 x 10	**FC5X-4450-4510-B10X**	**P.O.A.**	**FC5Q-4450-4510-B10Q**	**P.O.A.**	20	250
	44.50	45.10	3/8 x 15	**FC5X-4450-4510-B15X**	**P.O.A.**	**FC5Q-4450-4510-B15Q**	**P.O.A.**	20	250
	44.50	45.58	3/8 x 10	**FC5X-4450-4558-B10X**	**P.O.A.**	**FC5Q-4450-4558-B10Q**	**P.O.A.**	20	250
48	50.50	50.80	3/8 x 10	**FC5X-5050-5080-B10X**	**P.O.A.**	**FC5Q-5050-5080-B10Q**	**P.O.A.**	22	220
	50.80	51.40	3/8 x 10	**FC5X-5080-5140-B10X**	**P.O.A.**	**FC5Q-5080-5140-B10Q**	**P.O.A.**	22	220
	50.80	51.40	3/8 x 15	**FC5X-5080-5140-B15X**	**P.O.A.**	**FC5Q-5080-5140-B15Q**	**P.O.A.**	22	220
	50.80	51.98	3/8 x 10	**FC5X-5080-5198-B10X**	**P.O.A.**	**FC5Q-5080-5198-B10Q**	**P.O.A.**	22	220

BAKER STEEL TRANSITION COUPLINGS

STYLE 212 - 1" MAXIMUM TRANSITION (except as listed)





Cross Section Detail of Stepped Sleeve

Listed below are common sizes of 212 couplings. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact customer service for pricing.

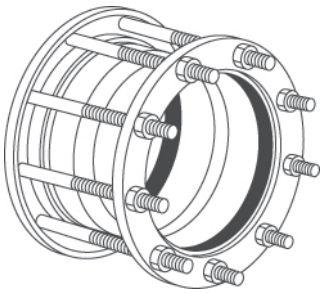
***** For stainless steel bolts and epoxy coating options, substitute the "X" or "Y" code for the standard catalog number "R" code. Example: 212-2400-2580-A10**Y** has epoxy coating and stainless steel bolts.

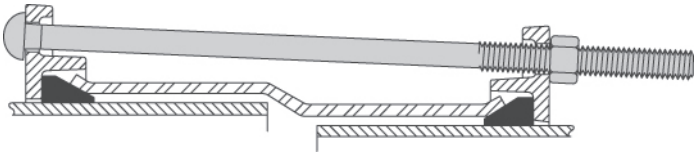
								List Price		
									Optional Feature Codes	
Nom. Pipe Size (In.)	1st End Gasket Range (In.)	2nd End Gasket Range (In.)	Sleeve Thickness and Length (In.)	Catalog Number	Number of Bolts	Rated Working Pressure	Approx. Wt. Lbs.	Standard Coupling	Stainless Steel Bolts	Epoxy Coat and S.S. Bolts
									X	Y
24	24.00	25.80	1/4 x 10	**212-2400-2580-A10R**	14	200	150.5	**P.O.A.**	**P.O.A.**	**P.O.A.**
	25.80	26.32	1/4 x 10	**212-2580-2632-A10R**	14	250	155.6	**P.O.A.**	**P.O.A.**	**P.O.A.**
	25.80	26.48	1/4 x 10	**212-2580-2648-A10R**	14	250	155.9	**P.O.A.**	**P.O.A.**	**P.O.A.**
30	30.00	32.00	1/4 x 10	**212-3000-3200-A10R**	16	200	185.3	**P.O.A.**	**P.O.A.**	**P.O.A.**
	31.74	32.00	1/4 x 10	**212-3174-3200-A10R**	16	230	188.9	**P.O.A.**	**P.O.A.**	**P.O.A.**
	32.00	32.40	1/4 x 10	**212-3200-3240-A10R**	16	230	191.2	**P.O.A.**	**P.O.A.**	**P.O.A.**
	32.00	32.40	3/8 x 10	**212-3200-3240-B10R**	16	230	231.4	**P.O.A.**	**P.O.A.**	**P.O.A.**
	32.00	32.74	1/4 x 10	**212-3200-3274-A10R**	16	230	191.7	**P.O.A.**	**P.O.A.**	**P.O.A.**
36	36.00	38.30	1/4 x 10	**212-3600-3830-A10R**	18	193	224.8	**P.O.A.**	**P.O.A.**	**P.O.A.**
	37.96	38.30	1/4 x 10	**212-3796-3830-A10R**	18	193	228.4	**P.O.A.**	**P.O.A.**	**P.O.A.**
	38.30	38.70	1/4 x 10	**212-3830-3870-A10R**	18	193	230.1	**P.O.A.**	**P.O.A.**	**P.O.A.**
	38.30	38.70	3/8 x 10	**212-3830-3870-B10R**	18	193	264.4	**P.O.A.**	**P.O.A.**	**P.O.A.**
	38.30	38.70	3/8 x 15	**212-3830-3870-B15R**	18	193	354.8	**P.O.A.**	**P.O.A.**	**P.O.A.**
	38.30	39.16	1/4 x 10	**212-3830-3916-A10R**	18	193	230.7	**P.O.A.**	**P.O.A.**	**P.O.A.**
42	44.20	44.50	3/8 x 10	**212-4420-4450-B10R**	20	250	337.0	**P.O.A.**	**P.O.A.**	**P.O.A.**
	44.50	45.10	3/8 x 10	**212-4450-4510-B10R**	20	250	340.5	**P.O.A.**	**P.O.A.**	**P.O.A.**
	44.50	45.10	3/8 x 15	**212-4450-4510-B15R**	20	250	431.4	**P.O.A.**	**P.O.A.**	**P.O.A.**
	44.50	45.58	3/8 x 10	**212-4450-4558-B10R**	20	250	341.0	**P.O.A.**	**P.O.A.**	**P.O.A.**
48	50.50	50.80	3/8 x 10	**212-5050-5080-B10R**	22	220	374.6	**P.O.A.**	**P.O.A.**	**P.O.A.**
	50.80	51.40	3/8 x 10	**212-5080-5140-B10R**	22	220	377.0	**P.O.A.**	**P.O.A.**	**P.O.A.**
	50.80	51.40	3/8 x 15	**212-5080-5140-B15R**	22	220	480.2	**P.O.A.**	**P.O.A.**	**P.O.A.**
	50.80	51.98	3/8 x 10	**212-5080-5198-B10R**	22	220	377.8	**P.O.A.**	**P.O.A.**	**P.O.A.**
60 and larger	Contact customer service for Pricing									

BAKER STAINLESS STEEL TRANSITION COUPLINGS

STYLE 212X AND 212Q - 1" MAXIMUM TRANSITION (except as listed)

X = 304 Stainless Steel
Q = 316 Stainless Steel





Cross Section Detail of Stepped Sleeve

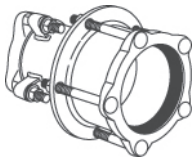
Listed below are common sizes of 212X and 212Q couplings. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact customer service for pricing.

Nom. Pipe Size (In.)	1st End Gasket Range (In.)	2nd End Gasket Range (In.)	Sleeve Thickness and Length (In.)	Catalog Number 304 Stainless Steel	List Price	Catalog Number 304 Stainless Steel	List Price	Number of Bolts	Rated Working Pressure
24	24.00	25.80	1/4 x 10	**212X-2400-2580-A10R**	**P.O.A.**	**212Q-2400-2580-A10R**	**P.O.A.**	14	200
	25.80	26.32	1/4 x 10	**212X-2580-2632-A10R**	**P.O.A.**	**212Q-2580-2632-A10R**	**P.O.A.**	14	250
	25.80	26.48	1/4 x 10	**212X-2580-2648-A10R**	**P.O.A.**	**212Q-2580-2648-A10R**	**P.O.A.**	14	250
30	30.00	32.00	1/4 x 10	**212X-3000-3200-A10R**	**P.O.A.**	**212Q-3000-3200-A10R**	**P.O.A.**	16	200
	31.74	32.00	1/4 x 10	**212X-3174-3200-A10R**	**P.O.A.**	**212Q-3174-3200-A10R**	**P.O.A.**	16	230
	32.00	32.40	1/4 x 10	**212X-3200-3240-A10R**	**P.O.A.**	**212Q-3200-3240-A10R**	**P.O.A.**	16	230
	32.00	32.40	3/8 x 10	**212X-3200-3240-B10R**	**P.O.A.**	**212Q-3200-3240-B10R**	**P.O.A.**	16	230
	32.00	32.74	1/4 x 10	**212X-3200-3274-A10R**	**P.O.A.**	**212Q-3200-3274-A10R**	**P.O.A.**	16	230
36	36.00	38.30	1/4 x 10	**212X-3600-3830-A10R**	**P.O.A.**	**212Q-3600-3830-A10R**	**P.O.A.**	18	193
	37.96	38.30	1/4 x 10	**212X-3796-3830-A10R**	**P.O.A.**	**212Q-3796-3830-A10R**	**P.O.A.**	18	193
	38.30	38.70	1/4 x 10	**212X-3830-3870-A10R**	**P.O.A.**	**212Q-3830-3870-A10R**	**P.O.A.**	18	193
	38.30	38.70	3/8 x 10	**212X-3830-3870-B10R**	**P.O.A.**	**212Q-3830-3870-B10R**	**P.O.A.**	18	193
	38.30	38.70	3/8 x 15	**212X-3830-3870-B15R**	**P.O.A.**	**212Q-3830-3870-B15R**	**P.O.A.**	18	193
	38.30	39.16	1/4 x 10	**212X-3830-3916-A10R**	**P.O.A.**	**212Q-3830-3916-A10R**	**P.O.A.**	18	193
42	44.20	44.50	3/8 x 10	**212X-4420-4450-B10R**	**P.O.A.**	**212Q-4420-4450-B10R**	**P.O.A.**	20	250
	44.50	45.10	3/8 x 10	**212X-4450-4510-B10R**	**P.O.A.**	**212Q-4450-4510-B10R**	**P.O.A.**	20	250
	44.50	45.10	3/8 x 15	**212X-4450-4510-B15R**	**P.O.A.**	**212Q-4450-4510-B15R**	**P.O.A.**	20	250
	44.50	45.58	3/8 x 10	**212X-4450-4558-B10R**	**P.O.A.**	**212Q-4450-4558-B10R**	**P.O.A.**	20	250
48	50.50	50.80	3/8 x 10	**212X-5050-5080-B10R**	**P.O.A.**	**212Q-5050-5080-B10R**	**P.O.A.**	22	220
	50.80	51.40	3/8 x 10	**212X-5080-5140-B10R**	**P.O.A.**	**212Q-5080-5140-B10R**	**P.O.A.**	22	220
	50.80	51.40	3/8 x 15	**212X-5080-5140-B15R**	**P.O.A.**	**212Q-5080-5140-B15R**	**P.O.A.**	22	220
	50.80	51.98	3/8 x 10	**212X-5080-5198-B10R**	**P.O.A.**	**212Q-5080-5198-B10R**	**P.O.A.**	22	220
60 and larger	Contact customer service for Pricing								

FORD STEEL REDUCING COUPLINGS

STYLE FC6

NOTE: The prices below are ONLY for couplings within three (3) nominal pipe sizes.
To figure prices for FC6 couplings, add the price of the large end to the price of the small end. If the ends are not within three (3) nominal pipe sizes, call for special pricing. Listed below are common end ranges for FC6 couplings. If your pipe O.D. is not within the listed ranges, contact customer service for special pricing.



LARGE END

Nom. Pipe Size	Large End Range	Large End Catalog Number	Length of Lg. End	Number of Bolts	List Price
4"	4.00	**FC6-400**	5	3	**$ 307.36**
	4.50-4.80	**FC6-480**	5	3	**415.51**
	4.80-5.10	**FC6-510**	5	3	**506.41**
	5.15-5.57	**FC6-557**	5	3	**506.41**
6"	6.00	**FC6-600**	5	4	**506.41**
	6.63-6.90	**FC6-690**	5	4	**506.41**
	6.90-7.20	**FC6-720**	5	4	**506.41**
	7.21-7.56	**FC6-756**	5	4	**703.14**
8"	8.00	**FC6-800**	5	5	**703.14**
	8.63-9.05	**FC6-905**	5	5	**791.69**
	9.05-9.40	**FC6-940**	5	5	**791.69**
	9.40-9.74	**FC6-974**	5	5	**885.12**
10"	10.00	**FC6-1000**	5	6	**946.56**
	10.75	**FC6-1075**	5	6	**946.56**
	11.10-11.46	**FC6-1146**	5	6	**946.56**
	11.42-11.77	**FC6-1177**	5	6	**1037.45**
	11.77-12.12	**FC6-1212**	5	6	**1037.45**
12"	12.00	**FC6-1200**	5	7	**1059.21**
	12.75	**FC6-1275**	5	7	**1059.21**
	13.20-13.56	**FC6-1356**	5	7	**1167.79**
	13.69-14.04	**FC6-1404**	5	7	**1167.79**
	14.04-14.38	**FC6-1438**	5	7	**1167.79**
14"-16"	15.30-15.70	**FC6-1570**	5	9	**1327.60**
	16.00-16.35	**FC6-1635**	5	9	**1327.60**
	16.40-16.88	**FC6-1688**	5	9	**1366.95**
16"-18"	17.40-17.80	**FC6-1780**	5	10	**1433.34**
	18.25	**FC6-1825**	5	11	**1499.69**
	18.90-19.20	**FC6-1920**	5	10	**1499.69**
18"-20"	19.50-20.00	**FC6-2000**	5	11	**1543.99**
	21.20	**FC6-2120**	5	12	**1640.74**
	21.60-22.06	**FC6-2206**	5	12	**1671.85**
24"	24.00	**FC6-2400**	5	14	**1743.17**
	25.80	**FC6-2580**	5	14	**1898.04**
	26.32	**FC6-2632**	5	14	**1898.04**
30"	30.00	**FC6-3000**	5	16	**1993.86**
	32.00	**FC6-3200**	5	16	**2212.69**
	32.40	**FC6-3240**	5	16	**2212.69**
36"	36.00	**FC6-3600**	5	18	**2241.39**
	38.30	**FC6-3830**	5	18	**2282.49**
42"	42.00	**FC6-4200**	5	20	**P.O.A.**
	44.50	**FC6-4450**	5	20	**P.O.A.**
48"	48.00	**FC6-4800**	5	22	**P.O.A.**
	49.00	**FC6-4900**	5	22	**P.O.A.**
	50.80	**FC6-5080**	5	22	**P.O.A.**
54"	55.00	**FC6-5500**	5	24	**P.O.A.**
	56.66	**FC6-5666**	5	24	**P.O.A.**
	57.10	**FC6-5710**	5	24	**P.O.A.**
	57.56	**FC6-5756**	5	24	**P.O.A.**
	57.80	**FC6-5780**	5	24	**P.O.A.**
60"	60.00	**FC6-6000**	5	26	**P.O.A.**
	61.00	**FC6-6100**	5	26	**P.O.A.**
	61.61	**FC6-6161**	5	26	**P.O.A.**
	63.40	**FC6-6340**	5	26	**P.O.A.**

BY

SMALL END

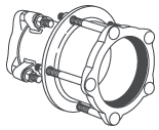
Nom. Pipe Size	Small End Range	Small End Catalog Number	Length of Sm. End	Number of Bolts	List Price
2"	2.30-2.45	**-245-R**	7	2	**$ 201.23**
	2.34-2.63	**-263-R**	7	2	**216.30**
	2.40-2.65	**-265-R**	7	2	**216.30**
	2.65-2.88	**-288-R**	7	2	**235.83**
3"	3.45-3.60	**-360-R**	7	3	**307.36**
	3.70-3.88	**-388-R**	7	3	**307.36**
	4.07-4.20	**-420-R**	7	3	**307.36**
4"	4.00	**-400-R**	7	3	**307.36**
	4.50-4.80	**-480-R**	7	3	**415.51**
	4.80-5.10	**-510-R**	7	3	**415.51**
	5.15-5.57	**-557-R**	7	3	**506.41**
6"	6.00	**-600-R**	7	4	**506.41**
	6.63-6.90	**-690-R**	7	4	**617.10**
	6.90-7.20	**-720-R**	7	4	**617.10**
	7.21-7.56	**-756-R**	7	4	**703.21**
8"	8.00	**-800-R**	7	5	**703.21**
	8.63-9.05	**-905-R**	7	5	**791.69**
	9.05-9.40	**-940-R**	7	5	**791.69**
	9.40-9.74	**-974-R**	7	5	**885.12**
10"	10.00	**-1000-R**	7	6	**946.56**
	10.75	**-1075-R**	7	6	**946.56**
	11.10-11.46	**-1146-R**	7	6	**946.56**
	11.42-11.77	**-1177-R**	7	6	**1037.45**
	11.77-12.12	**-1212-R**	7	6	**1037.45**
12"	12.00	**-1200-R**	7	7	**1059.21**
	12.75	**-1275-R**	7	7	**1059.21**
	13.20-13.56	**-1356-R**	7	7	**1167.79**
	13.69-14.04	**-1404-R**	7	7	**1167.79**
	14.04-14.38	**-1438-R**	7	7	**1167.79**
14"-16"	15.30-15.70	**-1570-R**	7	9	**1300.62**
	16.00-16.35	**-1635-R**	7	9	**1300.62**
	16.40-16.88	**-1688-R**	7	9	**1300.62**
16"-18"	17.40-17.80	**-1780-R**	7	10	**1433.34**
	18.25	**-1825-R**	7	11	**1433.34**
	18.90-19.20	**-1920-R**	7	10	**1499.69**
18"-20"	19.50-20.00	**-2000-R**	7	11	**1543.99**
	21.60-22.06	**-2206-R**	7	12	**1671.85**
24"	24.00	**-2400-R**	7	14	**1743.17**
	25.80	**-2580-R**	7	14	**1898.04**
	26.32	**-2632-R**	7	14	**1898.04**
30"	30.00	**-3000-R**	7	16	**2043.03**
	32.00	**-3200-R**	7	16	**2212.69**
	32.40	**-3240-R**	7	16	**2212.69**
36"	36.00	**-3600-R**	7	18	**2241.39**
	38.30	**-3830-R**	7	18	**2282.49**
42"	42.00	**-4200-R**	7	20	**P.O.A.**
	44.50	**-4450-R**	7	20	**P.O.A.**
48"	48.00	**-4800-R**	7	22	**P.O.A.**
	49.00	**-4900-R**	7	22	**P.O.A.**
	50.80	**-5080-R**	7	22	**P.O.A.**
54"	55.00	**-5500-R**	7	24	**P.O.A.**
	56.66	**-5666-R**	7	24	**P.O.A.**
	57.10	**-5710-R**	7	24	**P.O.A.**
	57.56	**-5756 R**	7	24	**P.O.A.**
	57.80	**-5780-R**	7	24	**P.O.A.**
60"	60.00	**-6000-R**	7	26	**P.O.A.**
	61.00	**-6100-R**	7	26	**P.O.A.**
	61.61	**-6161-R**	7	26	**P.O.A.**
	63.40	**-6340-R**	7	26	**P.O.A.**

FORD STAINLESS STEEL REDUCING COUPLINGS

STYLE FC6X AND FC6Q

Listed below are common end ranges for FC6X and FC6Q couplings, contact customer service for pricing. If your pipe O.D. is not within the listed ranges, contact customer service for special pricing.

X = 304 Stainless Steel
Q = 316 Stainless Steel



LARGE END BY SMALL END

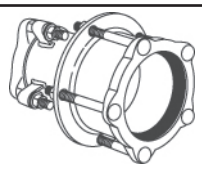
Nom. Pipe Size (In.)	Large End Range	Large End Catalog Number	List Price	Large End Catalog Number 316 Stainless Steel	List Price	Length of Lrg. End (In.)	Number of Bolts
4	4.00	**FC6X-400**	**P.O.A.**	**FC6Q-400**	**P.O.A.**	5	3
	4.50-4.80	**FC6X-480**	**P.O.A.**	**FC6Q-480**	**P.O.A.**	5	3
	4.80-5.10	**FC6X-480**	**P.O.A.**	**FC6Q-480**	**P.O.A.**	5	3
	5.15-5.57	**FC6X-557**	**P.O.A.**	**FC6Q-557**	**P.O.A.**	5	3
6	6.00	**FC6X-600**	**P.O.A.**	**FC6Q-600**	**P.O.A.**	5	4
	6.63-6.90	**FC6X-690**	**P.O.A.**	**FC6Q-690**	**P.O.A.**	5	4
	6.90-7.20	**FC6X-720**	**P.O.A.**	**FC6Q-720**	**P.O.A.**	5	4
	7.21-7.56	**FC6X-756**	**P.O.A.**	**FC6Q-756**	**P.O.A.**	5	4
8	8.00	**FC6X-800**	**P.O.A.**	**FC6Q-800**	**P.O.A.**	5	5
	8.63-9.05	**FC6X-905**	**P.O.A.**	**FC6Q-905**	**P.O.A.**	5	5
	9.05-9.40	**FC6X-940**	**P.O.A.**	**FC6Q-940**	**P.O.A.**	5	5
	9.40-9.74	**FC6X-974**	**P.O.A.**	**FC6Q-974**	**P.O.A.**	5	5
10	10.00	**FC6X-1000**	**P.O.A.**	**FC6Q-1000**	**P.O.A.**	5	6
	10.75	**FC6X-1075**	**P.O.A.**	**FC6Q-1075**	**P.O.A.**	5	6
	11.10-11.46	**FC6X-1146**	**P.O.A.**	**FC6Q-1146**	**P.O.A.**	5	6
	11.42-11.77	**FC6X-1177**	**P.O.A.**	**FC6Q-1177**	**P.O.A.**	5	6
	11.77-12.12	**FC6X-1212**	**P.O.A.**	**FC6Q-1212**	**P.O.A.**	5	6
12	12.00	**FC6X-1200**	**P.O.A.**	**FC6Q-1200**	**P.O.A.**	5	7
	12.75	**FC6X-1275**	**P.O.A.**	**FC6Q-1275**	**P.O.A.**	5	7
	13.20-13.56	**FC6X-1356**	**P.O.A.**	**FC6Q-1356**	**P.O.A.**	5	7
	13.69-14.04	**FC6X-1404**	**P.O.A.**	**FC6Q-1404**	**P.O.A.**	5	7
	14.04-14.38	**FC6X-1438**	**P.O.A.**	**FC6Q-1438**	**P.O.A.**	5	7
14-16	15.30-15.70	**FC6X-1570**	**P.O.A.**	**FC6Q-1570**	**P.O.A.**	5	9
	16.00-16.35	**FC6X-1635**	**P.O.A.**	**FC6Q-1635**	**P.O.A.**	5	9
	16.40-16.88	**FC6X-1688**	**P.O.A.**	**FC6Q-1688**	**P.O.A.**	5	9
16-18	17.40-17.80	**FC6X-1780**	**P.O.A.**	**FC6Q-1780**	**P.O.A.**	5	10
	18.25	**FC6X-1825**	**P.O.A.**	**FC6Q-1825**	**P.O.A.**	5	11
	18.90-19.20	**FC6X-1920**	**P.O.A.**	**FC6Q-1920**	**P.O.A.**	5	10
18-20	19.50-20.00	**FC6X-2000**	**P.O.A.**	**FC6Q-2000**	**P.O.A.**	5	11
	21.60-22.06	**FC6X-2206**	**P.O.A.**	**FC6Q-2206**	**P.O.A.**	5	12
24	24.00	**FC6X-2400**	**P.O.A.**	**FC6Q-2400**	**P.O.A.**	5	14
	25.80	**FC6X-2580**	**P.O.A.**	**FC6Q-2580**	**P.O.A.**	5	14
	26.32	**FC6X-2632**	**P.O.A.**	**FC6Q-2632**	**P.O.A.**	5	14
30	30.00	**FC6X-3000**	**P.O.A.**	**FC6Q-3000**	**P.O.A.**	5	16
	32.00	**FC6X-3200**	**P.O.A.**	**FC6Q-3200**	**P.O.A.**	5	16
	32.40	**FC6X-3240**	**P.O.A.**	**FC6Q-3240**	**P.O.A.**	5	16
36	36.00	**FC6X-3600**	**P.O.A.**	**FC6Q-3600**	**P.O.A.**	5	18
	38.30	**FC6X-3830**	**P.O.A.**	**FC6Q-3830**	**P.O.A.**	5	18
42	42.00	**FC6X-4200**	**P.O.A.**	**FC6Q-4200**	**P.O.A.**	5	20
	44.50	**FC6X-4450**	**P.O.A.**	**FC6Q-4450**	**P.O.A.**	5	20
48	48.00	**FC6X-4800**	**P.O.A.**	**FC6Q-4800**	**P.O.A.**	5	22
	49.00	**FC6X-4900**	**P.O.A.**	**FC6Q-4900**	**P.O.A.**	5	22
	50.80	**FC6X-5080**	**P.O.A.**	**FC6Q-5080**	**P.O.A.**	5	22
54	55.00	**FC6X-5500**	**P.O.A.**	**FC6Q-5500**	**P.O.A.**	5	24
	56.66	**FC6X-5666**	**P.O.A.**	**FC6Q-5666**	**P.O.A.**	5	24
	57.10	**FC6X-5710**	**P.O.A.**	**FC6Q-5710**	**P.O.A.**	5	24
	57.56	**FC6X-5756**	**P.O.A.**	**FC6Q-5756**	**P.O.A.**	5	24
	57.80	**FC6X-5780**	**P.O.A.**	**FC6Q-5780**	**P.O.A.**	5	24
60	60.00	**FC6X-6000**	**P.O.A.**	**FC6Q-6000**	**P.O.A.**	5	26
	61.00	**FC6X-6100**	**P.O.A.**	**FC6Q-6100**	**P.O.A.**	5	26
	61.61	**FC6X-6161**	**P.O.A.**	**FC6Q-6161**	**P.O.A.**	5	26
	63.40	**FC6X-6340**	**P.O.A.**	**FC6Q-6340**	**P.O.A.**	5	26

Nom Pipe Size (In.)	Small End Range	Small End Catalog Number	List Price	Length of Sm. End (In.)	Number of Bolts
2	2.30-2.45	**-245-R**	**P.O.A.**	7	2
	2.40-2.65	**-265-R**	**P.O.A.**	7	2
	2.65-2.88	**-288-R**	**P.O.A.**	7	2
3	3.45-3.60	**-360-R**	**P.O.A.**	7	3
	3.70-3.88	**-388-R**	**P.O.A.**	7	3
	4.07-4.20	**-420-R**	**P.O.A.**	7	3
4	4.00	**-400-R**	**P.O.A.**	7	3
	4.50-4.80	**-480-R**	**P.O.A.**	7	3
	4.80-5.10	**-510-R**	**P.O.A.**	7	3
	5.15-5.57	**-557-R**	**P.O.A.**	7	3
6	6.00	**-600-R**	**P.O.A.**	7	4
	6.63-6.90	**-690-R**	**P.O.A.**	7	4
	6.90-7.20	**-720-R**	**P.O.A.**	7	4
	7 .21-7.56	**-756-R**	**P.O.A.**	7	4
8	8.00	**-800-R**	**P.O.A.**	7	5
	8.63-9.05	**-905-R**	**P.O.A.**	7	5
	9.05-9.40	**-940-R**	**P.O.A.**	7	5
	9.40-9.74	**-974-R**	**P.O.A.**	7	5
10	10.00	**-1000-R**	**P.O.A.**	7	6
	10.75	**-1075-R**	**P.O.A.**	7	6
	11.10-11.46	**-1146-R**	**P.O.A.**	7	6
	11.42-11.77	**-1177-R**	**P.O.A.**	7	6
	11.77-12.12	**-1212-R**	**P.O.A.**	7	6
12	12.00	**-1200-R**	**P.O.A.**	7	7
	12.75	**-1275-R**	**P.O.A.**	7	7
	13.20-13.56	**-1356-R**	**P.O.A.**	7	7
	13.69-14.04	**-1404-R**	**P.O.A.**	7	7
	14.04-14.38	**-1438-R**	**P.O.A.**	7	7
14-16	15.30-15.70	**-1570-R**	**P.O.A.**	7	9
	16.00-16.35	**-1635-R**	**P.O.A.**	7	9
	16.40-16.88	**-1688-R**	**P.O.A.**	7	9
16-18	17.40-17.80	**-1780-R**	**P.O.A.**	7	10
	18.25	**-1825-R**	**P.O.A.**	7	11
	18.90-19.20	**-1920-R**	**P.O.A.**	7	10
18-20	19.50-20.00	**-2000-R**	**P.O.A.**	7	11
	21.60-22.06	**-2206-R**	**P.O.A.**	7	12
24	24.00	**-2400-R**	**P.O.A.**	7	14
	25.80	**-2580-R**	**P.O.A.**	7	14
	26.32	**-2632-R**	**P.O.A.**	7	14
30	30.00	**-3000-R**	**P.O.A.**	7	16
	32.00	**-3200-R**	**P.O.A.**	7	16
	32.40	**-3240-R**	**P.O.A.**	7	16
36	36.00	**-3600-R**	**P.O.A.**	7	18
	38.30	**-3830-R**	**P.O.A.**	7	18
42	42.00	**-4200-R**	**P.O.A.**	7	20
	44.50	**-4450-R**	**P.O.A.**	7	20
48	48.00	**-4800-R**	**P.O.A.**	7	22
	49.00	**-4900-R**	**P.O.A.**	7	22
	50.80	**-5080-R**	**P.O.A.**	7	22
54	55.00	**-5500-R**	**P.O.A.**	7	24
	56.66	**-5666-R**	**P.O.A.**	7	24
	57.10	**-5710-R**	**P.O.A.**	7	24
	57.56	**-5756-R**	**P.O.A.**	7	24
	57.80	**-5780-R**	**P.O.A.**	7	24
60	60.00	**-6000-R**	**P.O.A.**	7	26
	61.00	**-6100-R**	**P.O.A.**	7	26
	61.61	**-6161-R**	**P.O.A.**	7	26
	63.40	**-6340-R**	**P.O.A.**	7	26

BAKER STEEL REDUCING COUPLINGS

STYLE 220

Listed below are common end ranges for 220 couplings. Contact customer service for pricing.

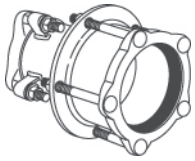


LARGE END BY SMALL END

Nom. Pipe Size (In.)	Large End Range (In.)	Large End Catalog Number	List Price	Length of Lrg. End (In.)	Number of Bolts	Nom. Pipe Size (In.)	Stall End Range (In.)	Small End Catalog Number	List Price	Length of Sm. End (In.)	Number of Bolts
24	24.00	**220-2400**	**P.O.A.**	5	14	24	24.00	**-2400-R**	**P.O.A.**	7	14
	25.80	**220-2580**	**P.O.A.**	5	14		25.80	**-2580-R**	**P.O.A.**	7	14
	26.32	**220-2632**	**P.O.A.**	5	14		26.32	**-2632-R**	**P.O.A.**	7	14
30	30.00	**220-3000**	**P.O.A.**	5	16	30	30.00	**-3000-R**	**P.O.A.**	7	16
	32.00	**220-3200**	**P.O.A.**	5	16		32.00	**-3200-R**	**P.O.A.**	7	16
	32.40	**220-3240**	**P.O.A.**	5	16		32.40	**-3240-R**	**P.O.A.**	7	16
36	36.00	**220-3600**	**P.O.A.**	5	18	36	36.00	**-3600-R**	**P.O.A.**	7	18
	38.30	**220-3830**	**P.O.A.**	5	18		38.30	**-3830-R**	**P.O.A.**	7	18
42	42.00	**220-4200**	**P.O.A.**	5	20	42	42.00	**-4200-R**	**P.O.A.**	7	20
	44.50	**220-4450**	**P.O.A.**	5	20		44.50	**-4450-R**	**P.O.A.**	7	20
48	48.00	**220-4800**	**P.O.A.**	5	22	48	48.00	**-4800-R**	**P.O.A.**	7	22
	49.00	**220-4900**	**P.O.A.**	5	22		49.00	**-4900-R**	**P.O.A.**	7	22
	50.80	**220-5080**	**P.O.A.**	5	22		50.80	**-5080-R**	**P.O.A.**	7	22
54	55.00	**220-5500**	**P.O.A.**	5	24	54	55.00	**-5500-R**	**P.O.A.**	7	24
	56.66	**220-5666**	**P.O.A.**	5	24		56.66	**-5666-R**	**P.O.A.**	7	24
	57.10	**220-5710**	**P.O.A.**	5	24		57.10	**-5710-R**	**P.O.A.**	7	24
	57.56	**220-5756**	**P.O.A.**	5	24		57.56	**-5756 R**	**P.O.A.**	7	24
	57.80	**220-5780**	**P.O.A.**	5	24		57.80	**-5780-R**	**P.O.A.**	7	24
60”	60.00	**220-6000**	**P.O.A.**	5	26	60”	60.00	**-6000-R**	**P.O.A.**	7	26
	61.00	**220-6100**	**P.O.A.**	5	26		61.00	**-6100-R**	**P.O.A.**	7	26
	61.61	**220-6161**	**P.O.A.**	5	26		61.61	**-6161-R**	**P.O.A.**	7	26
	63.40	**220-6340**	**P.O.A.**	5	26		63.40	**-6340-R**	**P.O.A.**	7	26
66 and larger	Contact customer service for Pricing										

BAKER STAINLESS STEEL REDUCING COUPLINGS
STYLE 220X AND 220Q

Listed below are common end ranges for 220X and 220Q couplings. If your pipe O.D. is not within the listed ranges, contact customer service for pricing.

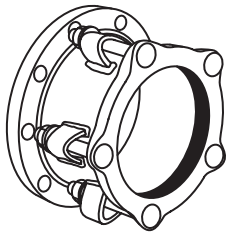


X = 304 Stainless Steel
Q = 316 Stainless Steel

LARGE END BY SMALL END

Nom. Pipe Size (In.)	Large End Range (In.)	Large End Catalog Number 304 Stainless Steel	List Price	Large End Catalog Number 316 Stainless Steel	List Price	Length or Lrg. End (In.)	Number of Bolts	Nom. Pipe Size (In.)	Small End Range (In.)	Small End Catalog Number	List Price	Length of Sm. End (In.)	Number of Bolts
24	24.00	**220X-2400**	**P.O.A.**	**220Q-2400**	**P.O.A.**	5	14	24	24.00	**-2400-R**	**P.O.A.**	7	14
	25.80	**220X-2580**	**P.O.A.**	**220Q-2580**	**P.O.A.**	5	14		25.80	**-2580-R**	**P.O.A.**	7	14
	26.32	**220X-2632**	**P.O.A.**	**220Q-2632**	**P.O.A.**	5	14		26.32	**-2632-R**	**P.O.A.**	7	14
30	30.00	**220X-3000**	**P.O.A.**	**220Q-3000**	**P.O.A.**	5	16	30	30.00	**-3000-R**	**P.O.A.**	7	16
	32.00	**220X-3200**	**P.O.A.**	**220Q-3200**	**P.O.A.**	5	16		32.00	**-3200-R**	**P.O.A.**	7	16
	32.40	**220X-3240**	**P.O.A.**	**220Q-3240**	**P.O.A.**	5	16		32.40	**-3240-R**	**P.O.A.**	7	16
36	36.00	**220X-3600**	**P.O.A.**	**220Q-3600**	**P.O.A.**	5	18	36	36.00	**-3600-R**	**P.O.A.**	7	18
	38.30	**220X-3830**	**P.O.A.**	**220Q-3830**	**P.O.A.**	5	18		38.30	**-3830-R**	**P.O.A.**	7	18
42	42.00	**220X-4200**	**P.O.A.**	**220Q-4200**	**P.O.A.**	5	20	42	42.00	**-4200-R**	**P.O.A.**	7	20
	44.50	**220X-4450**	**P.O.A.**	**220Q-4450**	**P.O.A.**	5	20		44.50	**-4450-R**	**P.O.A.**	7	20
48	48.00	**220X-4800**	**P.O.A.**	**220Q-4800**	**P.O.A.**	5	22	48	48.00	**-4800-R**	**P.O.A.**	7	22
	49.00	**220X-4900**	**P.O.A.**	**220Q-4900**	**P.O.A.**	5	22		49.00	**-4900-R**	**P.O.A.**	7	22
	50.80	**220X-5080**	**P.O.A.**	**220Q-5080**	**P.O.A.**	5	22		50.80	**-5080-R**	**P.O.A.**	7	22
54	55.00	**220X-5500**	**P.O.A.**	**220Q-5500**	**P.O.A.**	5	24	54	55.00	**-5500-R**	**P.O.A.**	7	24
	56.66	**220X-5666**	**P.O.A.**	**220Q-5666**	**P.O.A.**	5	24		56.66	**-5666-R**	**P.O.A.**	7	24
	57.10	**220X-5710**	**P.O.A.**	**220Q-5710**	**P.O.A.**	5	24		57.10	**-5710-R**	**P.O.A.**	7	24
	57.56	**220X-5756**	**P.O.A.**	**220Q-5756**	**P.O.A.**	5	24		57.56	**-5756 R**	**P.O.A.**	7	24
	57.80	**220X-5780**	**P.O.A.**	**220Q-5780**	**P.O.A.**	5	24		57.80	**-5780-R**	**P.O.A.**	7	24
60	60.00	**220X-6000**	**P.O.A.**	**220Q-6000**	**P.O.A.**	5	26	60”	60.00	**-6000-R**	**P.O.A.**	7	26
	61.00	**220X-6100**	**P.O.A.**	**220Q-6100**	**P.O.A.**	5	26		61.00	**-6100-R**	**P.O.A.**	7	26
	61.61	**220X-6161**	**P.O.A.**	**220Q-6161**	**P.O.A.**	5	26		61.61	**-6161-R**	**P.O.A.**	7	26
	63.40	**220X-6340**	**P.O.A.**	**220Q-6340**	**P.O.A.**	5	26		63.40	**-6340-R**	**P.O.A.**	7	26
66 and larger	Contact customer service for Pricing												

FORD STEEL FLANGE COUPLING ADAPTERS
STYLE FCA



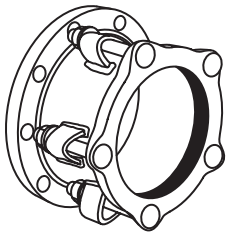
Listed below are common sizes of FCA couplings. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact customer service for pricing.

***** For stainless steel bolts and epoxy coating options, substitute the "X" or "Y" code for the standard catalog number "R" code. Example: FCA-1400-1530-D4**Y** has epoxy coating and stainless steel bolts.

								List Price		
								*Optional Feature Codes		
Nom. Pipe Size (In.)	Pipe O.D.	Flange Size	Range (Coupling End)	Standard Catalog Number	Rated Working Pressure	No. of End Ring Bolts	Approx. Wt. Lbs.	Std. Cplg.	Stainless Steel Steel Bolts "X"	Epoxy Coat and S.S Bolts "Y"
4	4.00	4	4.00	**FCA-400-D4R**	175	3	26.3	**$ 645.11**	**$ 726.40**	**$ 850.73**
	4.50	4	4.50-4.80	**FCA-480-D4R**	175	3	26.3	**621.67**	**702.98**	**827.30**
	4.80	4	4.50-4.80	**FCA-480-D4R**	175	3	26.3	**621.67**	**702.98**	**827.30**
6	6.00	4	6.00	**FCA-600-D4R**	175	4	35.0	**683.86**	**795.59**	**962.98**
	6.00	6	6.00	**FCA-600-D6R**	175	4	35.7	**802.44**	**910.83**	**1078.17**
	6.63	4	6.63-6.90	**FCA-690-D4R**	175	4	40.3	**683.86**	**795.59**	**962.98**
	6.63	6	6.63-6.90	**FCA-690-D6R**	175	4	35.7	**802.44**	**910.83**	**1078.17**
	6.90	4	6.63-6.90	**FCA-690-D4R**	175	4	40.3	**683.86**	**795.59**	**962.98**
	6.90	6	6.63-6.90	**FCA-690-D6R**	175	4	35.7	**802.44**	**910.83**	**1078.17**
8	8.00	6	8.00	**FCA-800-D6R**	175	5	45.0	**882.62**	**994.38**	**1209.56**
	8.00	8	8.00	**FCA-800-D8R**	175	5	48.8	**993.98**	**1129.45**	**1344.61**
	8.63	4	8.63-9.05	**FCA-905-D4R**	175	5	46.1	**752.23**	**863.98**	**1079.19**
	8.63	6	8.63-9.05	**FCA-905-D6R**	175	5	53.4	**882.62**	**994.38**	**1209.56**
	8.63	8	8.63-9.05	**FCA-905-D8R**	175	5	48.8	**993.98**	**1129.45**	**1344.61**
	9.05	4	8.63-9.05	**FCA-905-D4R**	175	5	46.1	**752.23**	**863.98**	**1079.19**
	9.05	6	8.63-9.05	**FCA-905-D6R**	175	5	53.4	**882.62**	**994.38**	**1209.56**
	9.05	8	8.63-9.05	**FCA-905-D8R**	175	5	48.8	**993.98**	**1129.45**	**1344.61**
10	10.00	8	10.00	**FCA-1000-D8R**	175	6	57.0	**1093.40**	**1227.48**	**1500.03**
	10.00	10	10.00	**FCA-1000-D10R**	175	6	64.4	**1272.21**	**1434.72**	**1721.69**
	10.75	6	10.75	**FCA-1075-D6R**	175	6	66.0	**926.34**	**1060.42**	**1376.16**
	10.75	8	10.75	**FCA-1075-D8R**	175	6	69.8	**1043.76**	**1177.85**	**1493.46**
	10.75	10	10.75	**FCA-1075-D10R**	175	6	63.0	**1210.82**	**1373.36**	**1660.26**
	11.10	6	11.10-11.46	**FCA-1146-D6R**	175	6	61.9	**970.92**	**1105.00**	**1363.25**
	11.10	8	11.10-11.46	**FCA-1146-D8R**	175	6	71.1	**1093.40**	**1227.48**	**1487.87**
	11.10	10	11.10-11.46	**FCA-1146-D10R**	175	6	61.7	**1272.21**	**1434.76**	**1707.34**
12	12.00	10	12.00	**FCA-1200-D10R**	175	6	60.0	**1335.84**	**1492.31**	**1779.20**
	12.00	12	12.00	**FCA-1200-D12R**	175	6	80.7	**1424.12**	**1613.75**	**1991.56**
	12.75	8	12.75	**FCA-1275-D8R**	175	7	82.1	**1148.07**	**1304.49**	**1644.04**
	12.75	10	12.75	**FCA-1275-D10R**	175	7	92.4	**1335.84**	**1492.31**	**1779.20**
	12.75	12	12.75	**FCA-1275-D12R**	175	7	88.7	**1424.12**	**1613.75**	**2025.03**
	13.20	8	13.20-13.56	**FCA-1356-D8R**	175	7	80.4	**1202.75**	**1359.17**	**1713.07**
	13.20	10	13.20-13.56	**FCA-1356-D10R**	175	7	90.9	**1399.43**	**1555.91**	**1981.52**
	13.20	12	13.20-13.56	**FCA-1356-D12R**	175	7	87.2	**1495.30**	**1684.93**	**2065.51**
14	14.00	10	13.69-14.04	**FCA-1404-D10R**	175	9	91.9	**1469.48**	**1670.65**	**2110.58**
	14.00	12	13.69-14.04	**FCA-1404-D12R**	175	9	114.5	**1566.52**	**1767.67**	**2274.59**
	15.30	10	15.30-15.70	**FCA-1570-D10R**	175	9	131.2	**1539.41**	**1740.57**	**2371.80**
	15.30	12	15.30-15.70	**FCA-1570-D12R**	175	9	151.2	**1644.87**	**1846.03**	**2572.93**
	15.30	14	15.30	**FCA-1530-D14R**	150	9	120.9	**1767.41**	**2011.23**	**2518.11**
16	16.00	12	16.00-16.35	**FCA-1635-D12R**	175	10	151.7	**1727.23**	**1950.71**	**2581.97**
	16.00	14	16.00-16.35	**FCA-1635-D14R**	150	10	165.9	**1855.86**	**2079.37**	**2846.63**
	16.00	16	16.00	**FCA-1600-D16R**	150	10	138.0	**1897.72**	**2168.63**	**2817.06**
	17.40	12	17.40-17.80	**FCA-1780-D12R**	175	10	175.7	**1813.46**	**2036.94**	**2759.03**
	17.40	14	17.40-17.80	**FCA-1780-D14R**	150	10	-	**1944.25**	**2167.73**	**P.O.A.**
	17.40	16	17.40	**FCA-1740-D16R**	150	10	144.3	**2150.60**	**2421.51**	**3059.54**
	17.80	16	17.80	**FCA-1780-D16R**	150	10	145.0	**2150.60**	**2421.51**	**3064.33**

Additional sizes on following page.

FORD STEEL FLANGE COUPLING ADAPTERS
STYLE FCA

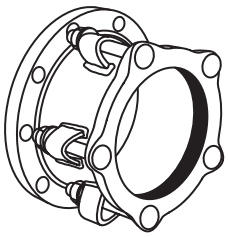


Listed below are common sizes of FCA couplings. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact customer service for pricing.

								List Price *Optional Feature Codes		
Nom. Pipe Size (In.)	Pipe O.D.	Flange Size	Range (Coupling End)	Standard Catalog Number	Rated Working Pressure	No. of End Ring Bolts	Approx. Wt. Lbs.	Std. Cplg.	Stainless Steel Steel Bolts "X"	Epoxy Coat and S.S Bolts "Y"
	18.00	14	18.00	**FCA-1800-D14R**	150	11	-	**$ 1974.14**	**$ 2220.02**	**$ 2523.99**
	18.00	16	18.00	**FCA-1800-D16R**	150	11	202.6	**2171.47**	**2417.34**	**3155.99**
18	18.00	18	18.00	**FCA-1800-D18R**	150	11	150.8	**2244.30**	**2542.31**	**3228.43**
	19.50	14	19.50-20.00	**FCA-2000-D14R**	150	11	194.1	**2069.94**	**2315.82**	**3037.91**
	19.50	16	19.50-20.00	**FCA-2000-D16R**	150	11	151.0	**2292.24**	**2535.34**	**3257.46**
	19.50	18	19.50	**FCA-1950-D18R**	150	11	154.1	**2598.72**	**2896.73**	**3561.45**
	20.00	16	19.50-20.00	**FCA-2000-D16R**	150	11	151.0	**2292.24**	**2535.34**	**3257.46**
	20.00	18	19.50-20.00	**FCA-2000-D18R**	150	11	194.2	**2635.25**	**2881.07**	**3998.49**
	20.00	20	20.00	**FCA-2000-D20R**	150	12	175.5	**2694.00**	**3344.16**	**4104.51**
20	21.60	16	21.60-22.06	**FCA-2206-D16R**	150	12	201.8	**2432.38**	**2757.42**	**3711.10**
	21.60	18	21.60-22.06	**FCA-2206-D18R**	150	12	-	**2765.38**	**3090.51**	**P.O.A.**
	21.60	20	21.60	**FCA-2160-D20R**	150	12	180.4	**3079.54**	**3404.65**	**4199.91**
	22.06	20	22.06	**FCA-2206-D20R**	150	12	180.4	**3079.54**	**3404.65**	**4325.72**
	24.00	18	24.00	**FCA-2400-D18R**	150	14	369.2	**3020.76**	**3333.66**	**4266.22**
	24.00	20	24.00	**FCA-2400-D20R**	150	14	-	**3193.72**	**3506.57**	**P.O.A.**
24	24.00	24	24.00	**FCA-2400-D24R**	150	14	225.9	**3301.30**	**3680.58**	**4653.35**
	25.80	18	25.80	**FCA-2580-D18R**	150	14	277.5	**3146.69**	**3459.57**	**4452.28**
	25.80	20	25.80	**FCA-2580-D20R**	150	14	-	**3325.97**	**3638.85**	**P.O.A.**
	25.80	24	25.80	**FCA-2580-D24R**	150	14	232.9	**3564.21**	**3943.44**	**4947.71**
	30.00	20	30.00	**FCA-3000-D20R**	150	16	-	**3801.23**	**4158.79**	**P.O.A.**
	30.00	24	30.00	**FCA-3000-D24R**	150	16	376.5	**4078.24**	**4435.82**	**5765.27**
30	30.00	30	30.00	**FCA-3000-D30R**	150	16	314.2	**4270.51**	**4703.96**	**6124.28**
	32.00	20	32.00	**FCA-3200-D20R**	150	16	-	**4007.19**	**4364.78**	**P.O.A.**
	32.00	24	32.00	**FCA-3200-D24R**	150	16	-	**4284.22**	**4641.83**	**P.O.A.**
	32.00	30	32.00	**FCA-3200-D30R**	150	16	322.6	**4455.26**	**4888.68**	**6342.45**
	36.00	24	36.00	**FCA-3600-D24R**	150	18	-	**P.O.A.**	**P.O.A.**	**P.O.A.**
	36.00	30	36.00	**FCA-3600-D30R**	150	18	-	**P.O.A.**	**P.O.A.**	**P.O.A.**
36	36.00	36	36.00	**FCA-3600-D36R**	150	18	471.8	**5465.46**	**5953.34**	**8186.64**
	38.30	24	38.30	**FCA-3830-D24R**	150	18	439.2	**P.O.A.**	**P.O.A.**	**P.O.A.**
	38.30	30	38.30	**FCA-3830-D30R**	150	18	-	**P.O.A.**	**P.O.A.**	**P.O.A.**
	38.30	36	38.30	**FCA-3830-D36R**	150	18	411.4	**5672.10**	**6159.70**	**8349.94**
	42.00	30	42.00	**FCA-4200-D30R**	150	20	-	**P.O.A.**	**P.O.A.**	**P.O.A.**
	42.00	36	42.00	**FCA-4200-D36R**	150	20	-	**P.O.A.**	**P.O.A.**	**P.O.A.**
42	42.00	42	42.00	**FCA-4200-D42R**	150	20	621.6	**P.O.A.**	**P.O.A.**	**P.O.A.**
	44.50	30	44.50	**FCA-4450-D30R**	150	20	-	**P.O.A.**	**P.O.A.**	**P.O.A.**
	44.50	36	44.50	**FCA-4450-D36R**	150	20	-	**P.O.A.**	**P.O.A.**	**P.O.A.**
	44.50	42	44.50	**FCA-4450-D42R**	150	20	658.3	**7807.65**	**8349.43**	**11352.66**
	48.00	36	48.00	**FCA-4800-D36R**	150	24	-	**P.O.A.**	**P.O.A.**	**P.O.A.**
	48.00	42	48.00	**FCA-4800-D42R**	150	24	-	**P.O.A.**	**P.O.A.**	**P.O.A.**
48	48.00	48	48.00	**FCA-4800-D48R**	150	24	768.3	**P.O.A.**	**P.O.A.**	**P.O.A.**
	50.80	36	50.80	**FCA-5080-D36R**	150	24	-	**P.O.A.**	**P.O.A.**	**P.O.A.**
	50.80	42	50.80	**FCA-5080-D42R**	150	24	-	**P.O.A.**	**P.O.A.**	**P.O.A.**
	50.80	48	50.80	**FCA-5080-D48R**	150	24	765.7	**9006.42**	**9656.55**	**13128.43**

FORD STAINLESS STEEL FLANGE COUPLING ADAPTERS

STYLE FCAX AND FCAQ



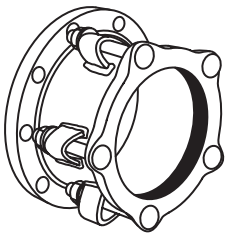
X = 304 Stainless Steel
Q = 316 Stainless Steel

Listed below are common sizes of FCAX and FCAQ couplings. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact customer service for pricing.

Nom Pipe Size(In.)	Pipe O.D. (In.)	Flange Size (In.)	Range (Coupling End) (In.)	Catalog Number 304 Stainless	List Price	Catalog Number 316 Stainless	List Price	Rated Working Pressure (PSI)	End Ring Bolt Qty.
4	4.00	4	4.00	**FCAX-400-D4X**	**P.O.A.**	**FCAQ-400-D4Q**	**P.O.A.**	175	3
	4.50	4	4.50 - 4.80	**FCAX-480-D4X**	**P.O.A.**	**FCAQ-480-D4Q**	**P.O.A.**	175	3
	4.80	4	4.50 - 4.80	**FCAX-480-D4X**	**P.O.A.**	**FCAQ-480-D4Q**	**P.O.A.**	175	3
6	6.00	4	6.00	**FCAX-600-D4X**	**P.O.A.**	**FCAQ-600-D4Q**	**P.O.A.**	175	4
	6.00	6	6.00	**FCAX-600-D6X**	**P.O.A.**	**FCAQ-600-D6Q**	**P.O.A.**	175	4
	6.63	4	6.63 - 6.90	**FCAX-690-D4X**	**P.O.A.**	**FCAQ-690-D4Q**	**P.O.A.**	175	4
	6.63	6	6.63 - 6.90	**FCAX-690-D6X**	**P.O.A.**	**FCAQ-690-D6Q**	**P.O.A.**	175	4
	6.90	4	6.63 - 6.90	**FCAX-690-D4X**	**P.O.A.**	**FCAQ-690-D4Q**	**P.O.A.**	175	4
	6.90	6	6.63 - 6.90	**FCAX-690-D6X**	**P.O.A.**	**FCAQ-690-D6Q**	**P.O.A.**	175	4
8	8.63	4	8.63 - 9.05	**FCAX-905-D4X**	**P.O.A.**	**FCAQ-905-D4Q**	**P.O.A.**	175	5
	8.00	6	8.00	**FCAX-800-D6X**	**P.O.A.**	**FCAQ-905-D6Q**	**P.O.A.**	175	5
	8.00	8	8.00	**FCAX-905-D8X**	**P.O.A.**	**FCAQ-905-D8Q**	**P.O.A.**	175	5
	8.63	6	8.63 - 9.05	**FCAX-905-D6X**	**P.O.A.**	**FCAQ-905-D6Q**	**P.O.A.**	175	5
	8.63	8	8.63 - 9.05	**FCAX-905-D8X**	**P.O.A.**	**FCAQ-905-D8Q**	**P.O.A.**	175	5
	9.05	4	8.63 - 9.05	**FCAX-905-D4X**	**P.O.A.**	**FCAQ-905-D4Q**	**P.O.A.**	175	5
	9.05	6	8.63 - 9.05	**FCAX-905-D6X**	**P.O.A.**	**FCAQ-905-D6Q**	**P.O.A.**	175	5
	9.05	8	8.63 - 9.05	**FCAX-905-D8X**	**P.O.A.**	**FCAQ-905-D8Q**	**P.O.A.**	175	5
10	10.00	8	10.00	**FCAX-1000-D8X**	**P.O.A.**	**FCAQ-1000-D8Q**	**P.O.A.**	175	6
	10.00	10	10.00	**FCAX-1000-D10X**	**P.O.A.**	**FCAQ-1000-D10Q**	**P.O.A.**	175	6
	10.75	6	10.75	**FCAX-1075-D6X**	**P.O.A.**	**FCAQ-1075-D6Q**	**P.O.A.**	175	6
	10.75	8	10.75	**FCAX-1075-D8X**	**P.O.A.**	**FCAQ-1075-D8Q**	**P.O.A.**	175	6
	10.75	10	10.75	**FCAX-1075-D10X**	**P.O.A.**	**FCAQ-1075-D10Q**	**P.O.A.**	175	6
	11.10	6	11.10 - 11.46	**FCAX-1146-D6X**	**P.O.A.**	**FCAQ-1146-D6Q**	**P.O.A.**	175	6
	11.10	8	11.10 - 11.46	**FCAX-1146-D8X**	**P.O.A.**	**FCAQ-1146-D8Q**	**P.O.A.**	175	6
	11.10	10	11.10 - 11.46	**FCAX-1146-D10X**	**P.O.A.**	**FCAQ-1146-D10Q**	**P.O.A.**	175	6
12	12.00	10	12.00	**FCAX-1200-D10X**	**P.O.A.**	**FCAQ-1200-D10Q**	**P.O.A.**	175	7
	12.00	12	12.00	**FCAX-1200-D12X**	**P.O.A.**	**FCAQ-1200-D12Q**	**P.O.A.**	175	7
	12.75	8	12.75	**FCAX-1275-D8X**	**P.O.A.**	**FCAQ-1275-D8Q**	**P.O.A.**	175	7
	12.75	10	12.75	**FCAX-1275-D10X**	**P.O.A.**	**FCAQ-1275-D10Q**	**P.O.A.**	175	7
	12.75	12	12.75	**FCAX-1275-D12X**	**P.O.A.**	**FCAQ-1275-D12Q**	**P.O.A.**	175	7
	13.20	8	13.20 - 13.56	**FCAX-1356-D8X**	**P.O.A.**	**FCAQ-1356-D8Q**	**P.O.A.**	175	7
	13.20	10	13.20 - 13.56	**FCAX-1356-D10X**	**P.O.A.**	**FCAQ-1356-D10Q**	**P.O.A.**	175	7
	13.20	12	13.20 - 13.56	**FCAX-1356-D12X**	**P.O.A.**	**FCAQ-1356-D12Q**	**P.O.A.**	175	7
14	14.00	10	13.69 - 14.04	**FCAX-1404-D10X**	**P.O.A.**	**FCAQ-1404-D10Q**	**P.O.A.**	175	9
	14.00	12	13.69 - 14.04	**FCAX-1404-D12X**	**P.O.A.**	**FCAQ-1404-D12Q**	**P.O.A.**	175	9
	15.30	10	15.30 - 15.70	**FCAX-1570-D10X**	**P.O.A.**	**FCAQ-1570-D10Q**	**P.O.A.**	175	9
	15.30	12	15.30 - 15.70	**FCAX-1570-D12X**	**P.O.A.**	**FCAQ-1570-D12Q**	**P.O.A.**	175	9
	15.30	14	15.30	**FCAX-1530-D14X**	**P.O.A.**	**FCAQ-1530-D14Q**	**P.O.A.**	150	9
16	16.00	12	16.00 - 16.35	**FCAX-1635-D12X**	**P.O.A.**	**FCAQ-1635-D12Q**	**P.O.A.**	175	10
	16.00	14	16.00 - 16.35	**FCAX-1635-D14X**	**P.O.A.**	**FCAQ-1635-D14Q**	**P.O.A.**	150	10
	16.00	16	16.00	**FCAX-1600-D16X**	**P.O.A.**	**FCAQ-1600-D16Q**	**P.O.A.**	150	10
	17.40	12	17.40 - 17.80	**FCAX-1780-D12X**	**P.O.A.**	**FCAQ-1780-D12Q**	**P.O.A.**	175	10
	17.40	14	17.40 - 17.80	**FCAX-1780-D14X**	**P.O.A.**	**FCAQ-1780-D14Q**	**P.O.A.**	150	10
	17.40	16	17.40	**FCAX-1740-D16X**	**P.O.A.**	**FCAQ-1740-D16Q**	**P.O.A.**	150	10
	17.80	16	17.80	**FCAX-1780-D16X**	**P.O.A.**	**FCAQ-1780-D16Q**	**P.O.A.**	150	10

FORD STAINLESS STEEL FLANGE COUPLING ADAPTERS

STYLE FCAX AND FCAQ (CONTINUED)

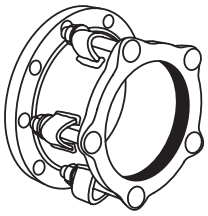


X = 304 Stainless Steel
Q = 316 Stainless Steel

Listed below are common sizes of FCAX and FCAQ couplings. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact customer service for pricing.

Nom Pipe Size (In.)	Pipe O.D. (In.)	Flange Size (In.)	Range (Coupling End) (In.)	Catalog Number 304 Stainless	List Price	Catalog Number 316 Stainless	List Price	Rated Working Pressure (PSI)	End Ring Bolt Qty.
18	18.00	14	18.00	**FCAX-1800-D14X**	**P.O.A.**	**FCAQ-1800-D14Q**	**P.O.A.**	150	11
	18.00	16	18.00	**FCAX-1800-D16X**	**P.O.A.**	**FCAQ-1800-D16Q**	**P.O.A.**	150	11
	18.00	18	18.00	**FCAX-1800-D18X**	**P.O.A.**	**FCAQ-1800-D18Q**	**P.O.A.**	150	11
	19.50	14	19.50 - 20.00	**FCAX-2000-D14X**	**P.O.A.**	**FCAQ-2000-D14Q**	**P.O.A.**	150	11
	19.50	16	19.50 - 20.00	**FCAX-2000-D16X**	**P.O.A.**	**FCAQ-2000-D16Q**	**P.O.A.**	150	11
	19.50	18	19.50	**FCAX-1950-D18X**	**P.O.A.**	**FCAQ-1950-D18Q**	**P.O.A.**	150	11
20	20.00	16	19.50 - 20.00	**FCAX-2000-D16X**	**P.O.A.**	**FCAQ-2000-D16Q**	**P.O.A.**	150	11
	20.00	18	19.50 - 20.00	**FCAX-2000-D18X**	**P.O.A.**	**FCAQ-2000-D18Q**	**P.O.A.**	150	11
	20.00	20	20.00	**FCAX-2000-D20X**	**P.O.A.**	**FCAQ-2000-D20Q**	**P.O.A.**	150	12
	21.60	16	21.60 - 22.06	**FCAX-2206-D16X**	**P.O.A.**	**FCAQ-2206-D16Q**	**P.O.A.**	150	12
	21.60	18	21.60 - 22.06	**FCAX-2206-D18X**	**P.O.A.**	**FCAQ-2206-D18Q**	**P.O.A.**	150	12
	21.60	20	21.60	**FCAX-2160-D20X**	**P.O.A.**	**FCAQ-2160-D20Q**	**P.O.A.**	150	12
	22.06	24	22.06	**FCAX-2206-D24X**	**P.O.A.**	**FCAQ-2206-D24Q**	**P.O.A.**	150	12
24	24.00	18	24.00	**FCAX-2400-D18X**	**P.O.A.**	**FCAQ-2400-D18Q**	**P.O.A.**	150	14
	24.00	20	24.00	**FCAX-2400-D20X**	**P.O.A.**	**FCAQ-2400-D20Q**	**P.O.A.**	150	14
	24.00	24	24.00	**FCAX-2400-D24X**	**P.O.A.**	**FCAQ-2400-D24Q**	**P.O.A.**	150	14
	25.80	18	25.80	**FCAX-2580-D18X**	**P.O.A.**	**FCAQ-2580-D18Q**	**P.O.A.**	150	14
	25.80	20	25.80	**FCAX-2580-D20X**	**P.O.A.**	**FCAQ-2580-D20Q**	**P.O.A.**	150	14
	25.80	24	25.80	**FCAX-2580-D24X**	**P.O.A.**	**FCAQ-2580-D24Q**	**P.O.A.**	150	14
30	30.00	20	30.00	**FCAX-3000-D20X**	**P.O.A.**	**FCAQ-3000-D20Q**	**P.O.A.**	150	16
	30.00	24	30.00	**FCAX-3000-D24X**	**P.O.A.**	**FCAQ-3000-D24Q**	**P.O.A.**	150	16
	30.00	30	30.00	**FCAX-3000-D30X**	**P.O.A.**	**FCAQ-3000-D30Q**	**P.O.A.**	150	16
	32.00	20	32.00	**FCAX-3200-D20X**	**P.O.A.**	**FCAQ-3200-D20Q**	**P.O.A.**	150	16
	32.00	24	32.00	**FCAX-3200-D24X**	**P.O.A.**	**FCAQ-3200-D24Q**	**P.O.A.**	150	16
	32.00	30	32.00	**FCAX-3200-D30X**	**P.O.A.**	**FCAQ-3200-D30Q**	**P.O.A.**	150	16
36	36.00	24	36.00	**FCAX-3600-D24X**	**P.O.A.**	**FCAQ-3600-D24Q**	**P.O.A.**	150	18
	36.00	30	36.00	**FCAX-3600-D30X**	**P.O.A.**	**FCAQ-3600-D30Q**	**P.O.A.**	150	18
	36.00	36	36.00	**FCAX-3600-D36X**	**P.O.A.**	**FCAQ-3600-D36Q**	**P.O.A.**	150	18
	38.30	24	38.30	**FCAX-3830-D24X**	**P.O.A.**	**FCAQ-3830-D24Q**	**P.O.A.**	150	18
	38.30	30	38.30	**FCAX-3830-D30X**	**P.O.A.**	**FCAQ-3830-D30Q**	**P.O.A.**	150	18
	38.30	36	38.30	**FCAX-3830-D36X**	**P.O.A.**	**FCAQ-3830-D36Q**	**P.O.A.**	150	18
42	42.00	30	42.00	**FCAX-4200-D30X**	**P.O.A.**	**FCAQ-4200-D30Q**	**P.O.A.**	150	20
	42.00	36	42.00	**FCAX-4200-D36X**	**P.O.A.**	**FCAQ-4200-D36Q**	**P.O.A.**	150	20
	42.00	42	42.00	**FCAX-4200-D42X**	**P.O.A.**	**FCAQ-4200-D42Q**	**P.O.A.**	150	20
	44.50	30	44.50	**FCAX-4450-D30X**	**P.O.A.**	**FCAQ-4450-D30Q**	**P.O.A.**	150	20
	44.50	36	44.50	**FCAX-4450-D36X**	**P.O.A.**	**FCAQ-4450-D36Q**	**P.O.A.**	150	20
	44.50	42	44.50	**FCAX-4450-D42X**	**P.O.A.**	**FCAQ-4450-D42Q**	**P.O.A.**	150	20
48	48.00	36	48.00	**FCAX-4800-D36X**	**P.O.A.**	**FCAQ-4800-D36Q**	**P.O.A.**	150	24
	48.00	42	48.00	**FCAX-4800-D42X**	**P.O.A.**	**FCAQ-4800-D42Q**	**P.O.A.**	150	24
	48.00	48	48.00	**FCAX-4800-D48X**	**P.O.A.**	**FCAQ-4800-D48Q**	**P.O.A.**	150	24
	50.80	36	50.80	**FCAX-5080-D36X**	**P.O.A.**	**FCAQ-5080-D36Q**	**P.O.A.**	150	24
	50.80	42	50.80	**FCAX-5080-D42X**	**P.O.A.**	**FCAQ-5080-D42Q**	**P.O.A.**	150	24
	50.80	48	50.80	**FCAX-5080-D48X**	**P.O.A.**	**FCAQ-5080-D48Q**	**P.O.A.**	150	24

BAKER STEEL FLANGE COUPLING ADAPTERS
STYLE 602

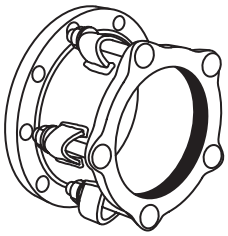


Listed below are common sizes of 602 couplings. Contact customer service for pricing.

***** For stainless steel bolts and epoxy coating options, substitute the “X” or “Y” code for the standard catalog number “R” code. Example: 602-2400-D24**Y** has epoxy coating and stainless steel bolts.

Nom Pipe Size (In.)	Pipe O.D. (In.)	Flange Size (In.)	Range (Coupling End) (In.)	Catalog Number	List Price	Rated Working Pressure (PSI)	End Ring Bolt Qty.	Approx. Wt. Lbs.
24	24.00	24	24.00	**602-2400-D24R**	**P.O.A.**	150	14	225.9
	25.80	24	25.80	**602-2580-D24R**	**P.O.A.**	150	14	232.9
30	30.00	30	30.00	**602-3000-D30R**	**P.O.A.**	150	16	314.2
	32.00	30	32.00	**602-3200-D30R**	**P.O.A.**	150	16	322.6
36	36.00	36	36.00	**602-3600-D36R**	**P.O.A.**	150	18	471.8
	38.30	36	38.30	**602-3830-D36R**	**P.O.A.**	150	18	411.4
42	42.00	42	42.00	**602-4200-D42R**	**P.O.A.**	150	20	621.6
	44.50	42	44.50	**602-4450-D42R**	**P.O.A.**	150	20	658.3
48	48.00	48	48.00	**602-4800-D48R**	**P.O.A.**	150	24	768.3
	50.80	48	50.80	**602-5080-D48R**	**P.O.A.**	150	24	765.7
60 and larger	Contact customer service for Pricing							

BAKER STAINLESS STEEL FLANGE COUPLING ADAPTERS
STYLE 602X AND 602Q

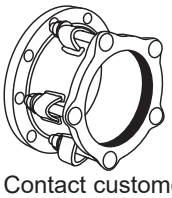


X = 304 Stainless Steel
Q = 316 Stainless Steel

Listed below are common sizes of 602X and 602Q couplings. Contact customer service for pricing.

Nom Pipe Size (In.)	Pipe O.D. (In.)	Flange Size (In.)	Range (Coupling End) (In.)	Catalog Number 304 Stainless steel	List Price	Catalog Number 316 Stainless steel	List Price	Rated Working Pressure (PSI)	End Ring Bolt Qty.
24	24.00	24	24.00	**602-2400-D24R**	**P.O.A.**	**602-2400-D24R**	**P.O.A.**	150	14
	25.80	24	25.80	**602-2580-D24R**	**P.O.A.**	**602-2580-D24R**	**P.O.A.**	150	14
30	30.00	30	30.00	**602-3000-D30R**	**P.O.A.**	**602-3000-D30R**	**P.O.A.**	150	16
	32.00	30	32.00	**602-3200-D30R**	**P.O.A.**	**602-3200-D30R**	**P.O.A.**	150	16
36	36.00	36	36.00	**602-3600-D36R**	**P.O.A.**	**602-3600-D36R**	**P.O.A.**	150	18
	38.30	36	38.30	**602-3830-D36R**	**P.O.A.**	**602-3830-D36R**	**P.O.A.**	150	18
42	42.00	42	42.00	**602-4200-D42R**	**P.O.A.**	**602-4200-D42R**	**P.O.A.**	150	20
	44.50	42	44.50	**602-4450-D42R**	**P.O.A.**	**602-4450-D42R**	**P.O.A.**	150	20
48	48.00	48	48.00	**602-4800-D48R**	**P.O.A.**	**602-4800-D48R**	**P.O.A.**	150	24
	50.80	48	50.80	**602-5080-D48R**	**P.O.A.**	**602-5080-D48R**	**P.O.A.**	150	24
60 and larger	Contact customer service for Pricing								

BAKER STEEL FLANGE REDUCING COUPLING ADAPTERS
STYLE 603

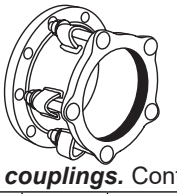


Listed below are common sizes of 603 couplings. Contact customer service for pricing.

***** For stainless steel bolts and epoxy coating options, substitute the "X" or "Y" code for the standard catalog number "R" code. Example: 603-2400-D18**Y** has epoxy coating and stainless steel bolts.

Nom Pipe Size (In.)	Pipe O.D. (In.)	Flange Size (In.)	Range (Coupling End) (In.)	Catalog Number	List Price	Rated Working Pressure (PSI)	End Ring Bolt Qty.	Approx. Wt. Lbs.
24	24.00	18	24.00	**603-2400-D18R**	**P.O.A.**	150	14	369
	24.00	20	24.00	**603-2400-D20R**	**P.O.A.**	150	14	-
	25.80	18	25.80	**603-2580-D18R**	**P.O.A.**	150	14	277
	25.80	20	25.80	**603-2580-D20R**	**P.O.A.**	150	14	-
30	30.00	20	30.00	**603-3000-D20R**	**P.O.A.**	150	16	-
	30.00	24	30.00	**603-3000-D24R**	**P.O.A.**	150	16	376
	32.00	20	32.00	**603-3200-D20R**	**P.O.A.**	150	16	-
	32.00	24	32.00	**603-3200-D24R**	**P.O.A.**	150	16	-
36	36.00	24	36.00	**603-3600-D24R**	**P.O.A.**	150	18	-
	36.00	30	36.00	**603-3600-D30R**	**P.O.A.**	150	18	-
	38.30	24	38.30	**603-3830-D24R**	**P.O.A.**	150	18	439
	38.30	30	38.30	**603-3830-D30R**	**P.O.A.**	150	18	-
42	42.00	30	42.00	**603-4200-D30R**	**P.O.A.**	150	20	-
	42.00	36	42.00	**603-4200-D36R**	**P.O.A.**	150	20	-
	44.50	30	44.50	**603-4450-D30R**	**P.O.A.**	150	20	-
	44.50	36	44.50	**603-4450-D36R**	**P.O.A.**	150	20	-
48	48.00	36	48.00	**603-4800-D36R**	**P.O.A.**	150	24	-
	48.00	42	48.00	**603-4800-D42R**	**P.O.A.**	150	24	-
	50.80	36	50.80	**603-5080-D36R**	**P.O.A.**	150	24	-
	50.80	42	50.80	**603-5080-D42R**	**P.O.A.**	150	24	-
60 and larger	Contact customer service for Pricing							

BAKER STAINLESS STEEL FLANGE REDUCING COUPLING ADAPTERS
STYLE 603X AND 603Q

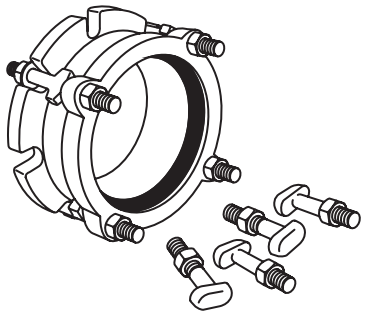


X = 304 Stainless Steel
Q = 316 Stainless Steel

Listed below are common sizes of 603X and 603Q couplings. Contact customer service for pricing.

Nom Pipe Size (In.)	Pipe O.D. (In.)	Flange Size (In.)	Range (Coupling End) (In.)	Catalog Number 304 Stainless Steel	List Price	Catalog Number 316 Stainless Steel	List Price	Rated Working Pressure (PSI)	End Ring Bolt Qty.	Approx. Wt. Lbs.
24	24.00	18	24.00	**603-2400-D18R**	**P.O.A.**	**603-2400-D18R**	**P.O.A.**	150	14	369
	24.00	20	24.00	**603-2400-D20R**	**P.O.A.**	**603-2400-D20R**	**P.O.A.**	150	14	-
	25.80	18	25.80	**603-2580-D18R**	**P.O.A.**	**603-2580-D18R**	**P.O.A.**	150	14	277
	25.80	20	25.80	**603-2580-D20R**	**P.O.A.**	**603-2580-D20R**	**P.O.A.**	150	14	-
30	30.00	20	30.00	**603-3000-D20R**	**P.O.A.**	**603-3000-D20R**	**P.O.A.**	150	16	-
	30.00	24	30.00	**603-3000-D24R**	**P.O.A.**	**603-3000-D24R**	**P.O.A.**	150	16	376
	32.00	20	32.00	**603-3200-D20R**	**P.O.A.**	**603-3200-D20R**	**P.O.A.**	150	16	-
	32.00	24	32.00	**603-3200-D24R**	**P.O.A.**	**603-3200-D24R**	**P.O.A.**	150	16	-
36	36.00	24	36.00	**603-3600-D24R**	**P.O.A.**	**603-3600-D24R**	**P.O.A.**	150	18	-
	36.00	30	36.00	**603-3600-D30R**	**P.O.A.**	**603-3600-D30R**	**P.O.A.**	150	18	-
	38.30	24	38.30	**603-3830-D24R**	**P.O.A.**	**603-3830-D24R**	**P.O.A.**	150	18	439
	38.30	30	38.30	**603-3830-D30R**	**P.O.A.**	**603-3830-D30R**	**P.O.A.**	150	18	-
42	42.00	30	42.00	**603-4200-D30R**	**P.O.A.**	**603-4200-D30R**	**P.O.A.**	150	20	-
	42.00	36	42.00	**603-4200-D36R**	**P.O.A.**	**603-4200-D36R**	**P.O.A.**	150	20	-
	44.50	30	44.50	**603-4450-D30R**	**P.O.A.**	**603-4450-D30R**	**P.O.A.**	150	20	-
	44.50	36	44.50	**603-4450-D36R**	**P.O.A.**	**603-4450-D36R**	**P.O.A.**	150	20	-
48	48.00	36	48.00	**603-4800-D36R**	**P.O.A.**	**603-4800-D36R**	**P.O.A.**	150	24	-
	48.00	42	48.00	**603-4800-D42R**	**P.O.A.**	**603-4800-D42R**	**P.O.A.**	150	24	-
	50.80	36	50.80	**603-5080-D36R**	**P.O.A.**	**603-5080-D36R**	**P.O.A.**	150	24	-
	50.80	42	50.80	**603-5080-D42R**	**P.O.A.**	**603-5080-D42R**	**P.O.A.**	150	24	-
60 and larger	Contact customer service for Pricing									

FORD IRON FLANGED COUPLING ADAPTERS
STYLE FFCA



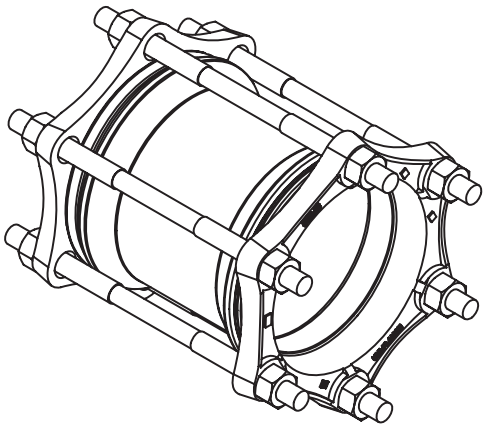
Nom. Pipe Size (In.)	Pipe O.D. Range (In.)	End Ring Color Code	Catalog Number	Optional Anchor Studs	Approx. Wt. Lbs.	List Price
3	3.45-3.60	Red	**FFCA-360**	2	17.0	**$ 301.65**
	3.70-3.88	Black	**FFCA-388**		17.0	
	3.91-4.06	Black	**FFCA-406**		16.9	
	4.07-4.20	White/Gray	**FFCA-420**		16.9	
4	4.45-4.60	Red	**FFCA-460**	2	21.3	**372.62**
	4.70-4.91	Black	**FFCA-491**		21.2	
	4.92-5.16	Black	**FFCA-516**		21.1	
	5.17-5.32	White/Gray	**FFCA-532**		21.0	
6	6.54-6.76	Red	**FFCA-676**	2	31.7	**476.49**
	6.81-7.12	Black	**FFCA-712**		31.4	
	7.17-7.37	Black	**FFCA-737**		31.4	
	7.37-7.60	White/Gray	**FFCA-760**		31.2	
8	8.50-8.75	Red	**FFCA-875**	4	43.2	**653.93**
	8.76-9.17	Black	**FFCA-917**		42.6	
	9.22-9.50	Black	**FFCA-950**		42.8	
	9.49-9.79	White/Gray	**FFCA-979**		42.3	

Larger, fabricated steel flanged coupling adapters are detailed in catalog section M.

Note: Optional anchor studs are available at $ **73.17** for each stud. For two studs add “-AS2” to the catalog number; for four studs add “-AS4” to the catalog number. This coupling is furnished with tee-head bolts and a built-in O-ring gasket.

End rings and gaskets for FFCA’s are not interchangeable with the balance of the Ford coupling system.

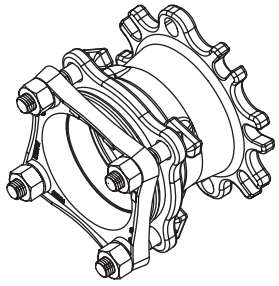
MECHANICAL JOINT COUPLING
STYLE MJC



Nom. Pipe Size (In.)	Pipe O.D. Range (In.)	Catalog Number	Rods and Nuts		Approx. Wt. Lbs.	List Price
			Qty.	Size		
4	4.21-4.80	**MJC-4-I**	4	3/4" x 14"	25.0	**$ 270.09**
6	6.27-6.90	**MJC-6-I**	6	3/4" x 14"	42.5	**402.96**
8	8.40-9.05	**MJC-8-I**	6	3/4" x 14"	49.7	**429.71**
10	10.50-11.10	**MJC-10-I**	8	3/4" x 14"	60.5	**616.59**
12	12.50-13.20	**MJC-12-I**	8	3/4" x 14"	75.8	**745.64**

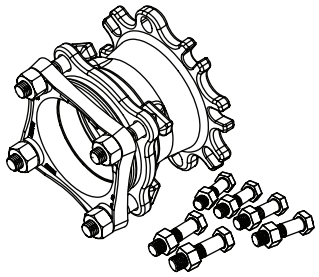
Component parts available individually. See catalog section M for details.

SERIES MJFA FLANGE ADAPTER



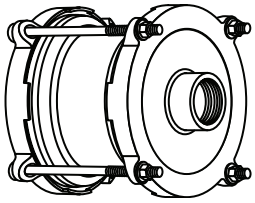
Nom. Pipe Size (In.)	Pipe O.D. Range (In.)	Catalog Number	T-Bolts / Nuts		Approx. Wt. Lbs.	List Price
			Qty.	Size		
3	3.50-3.96	**MJFA-3-I**	4	5/8" x 3"	13.7	**$ 211.20**
4	4.21-4.80	**MJFA-4-I**	4	3/4" x 4"	20,4	**217.36**
6	6.27-6.90	**MJFA-6-I**	6	3/4" x 4"	33.8	**321.61**
8	8.40-9.05	**MJFA-8-I**	6	3/4" x 4-1/2"	43.6	**479.20**
10	10.50-11.10	**MJFA-10-I**	8	3/4" x 4-1/2"	55.9	**691.29**
12	12.50-13.20	**MJFA-12-I**	8	3/4" x 4-1/2"	74.1	**868.40**

SERIES MJFA FLANGE ADAPTER WITH FLANGE BOLT



Nom. Pipe Size (In.)	Pipe O.D. Range (In.)	Catalog Number	T-Bolts / Nuts		Flange Bolts / Nuts		Approx. Wt. Lbs.	List Price
			Qty.	Size	Qty.	Size		
3	3.50-3.96	**MJFA-3A-I**	4	5/8" x 3"	4	5/8" x 2-1/2"	13.7	**$ 235.74**
4	4.21-4.80	**MJFA-4A-I**	4	3/4" x 4"	8	5/8" x 2-1/2"	23.9	**236.81**
6	6.27-6.90	**MJFA-6A-I**	6	3/4" x 4"	8	3/4" x 2-3/4"	39.3	**365.20**
8	8.40-9.05	**MJFA-8A-I**	6	3/4" x 4-1/2"	8	3/4" x 2-3/4"	45.9	**519.50**
10	10.50-11.10	**MJFA-10A-I**	8	3/4" x 4-1/2"	12	7/8" x 3"	61.3	**761.34**
12	12.50-13.20	**MJFA-12A-I**	8	3/4" x 4-1/2"	12	7/8" x 3-1/2"	74.1	**940.70**

FORD END CAP FOR ULTRA-FLEX WIDE RANGE COUPLINGS



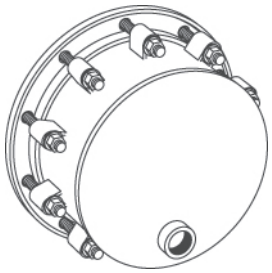
Nom. Pipe Size (In.)	Pipe O.D. Range (Inches)	Catalog Number	Approx. Wt. Lbs.	List Price	End Cap Only	End Cap Wt. Lbs.	List Price
4	3.96-5.60	**FC2W-4-EC**	42.6	**$ 465.62**	**FECW-4**	8.4	**$ 164.16**
6	6.23-7.60	**FC2W-6-EC**	57.3	**607.49**	**FECW-6**	16.0	**180.50**
8	8.40-9.75	**FC2W-8-EC**	74.6	**745.69**	**FECW-8**	22.2	**241.91**
10	10.77-12.12	**FC2W-10-EC**	137.1	**1391.55**	**FECW-10**	61.2	**692.30**
12	12.75-14.38	**FC2W-12-EC**	172.2	**1720.39**	**FECW-12**	80.0	**923.86**

FORD ULTRA-FLEX LONG SLEEVE WIDE RANGE COUPLINGS
Style FC2W-EC (12" long)

Nom. Pipe Size (In.)	Pipe O.D. Range		Catalog Number	Sleeve Length	List Price	End Cap Only	List Price
	Inches	MM					
4	3.96-5.60	100.5-142.2	**FC2W-4-L12-EC**	12"	**$ 608.97**	**FECW-4**	**$ 164.16**
6	6.23-7.80	158.2-193.0	**FC2W-6-L12-EC**	12"	**756.95**	**FECW-6**	**180.50**
8	8.40-9.75	213.3-247.6	**FC2W-8-L12-EC**	12"	**1040.37**	**FECW-8**	**241.91**
10	10.75-12.12	273.0-307.8	**FC2W-10-L12-EC**	12"	**1625.40**	**FECW-10**	**692.30**
12	12.75-14.38	323.8-365.25	**FC2W-12-L12-EC**	12"	**2054.00**	**FECW-12**	**923.86**

FORD STANDARD STEEL COUPLINGS WITH END CAP

STYLE FC4 - WITH TAPPED OR UNTAPPED END CAP



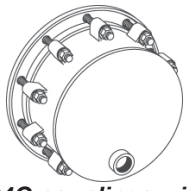
Listed below are common sizes of FC4 couplings with end cap. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact customer service for pricing.

NOTE: End caps are optional with any FC4 coupling shown on pages M-7 or M-8. To order, add "-TEC" (tapped end cap code) or "-BEC" (untapped end cap code) to the FC4 part number.

Nom. Pipe Size (In.)	Pipe O.D.	Sleeve Thickness & Length	Standard Catalog Number	Rated Working Pressure	Number of Bolts	Approx. Wt. Lbs.	List Price
14	14.00	1/4" x 5"	**FC4-1400-A05R-TEC**	150	9	84.8	**$ 1356.56**
	14.00	1/4" x 7"	**FC4-1400-A07R-TEC**	150	9	91.9	**1420.49**
	14.00	3/8" x 7"	**FC4-1400-B07R-BEC**	150	9	93.8	**1325.91**
	15.30	1/4" x 7"	**FC4-1530-A07R-TEC**	150	9	81.1	**1414.61**
	15.30	3/8" x 7"	**FC4-1530-B07R-BEC**	150	9	119.1	**1382.95**
	15.65	3/8" x 7"	**FC4-1565-B07R-TEC**	150	9	108.7	**1315.65**
16	16.00	1/4" x 5"	**FC4-1600-A05R-TEC**	150	10	116.1	**1577.13**
	16.00	1/4" x 7"	**FC4-1600-A07R-TEC**	150	10	121.3	**1648.11**
	16.00	3/8" x 7"	**FC4-1600-B07R-BEC**	150	10	133.5	**1605.13**
	17.40	1/4" x 7"	**FC4-1740-A07R-TEC**	150	10	135.7	**1733.34**
	17.40	3/8" x 7"	**FC4-1740-B07R-BEC**	150	10	149.1	**1690.74**
	17.80	3/8" x 7"	**FC4-1780-B07R-TEC**	150	10	153.0	**1770.63**
18	18.00	1/4" x 5"	**FC4-1800-A05R-TEC**	150	11	133.3	**1760.56**
	18.00	1/4" x 7"	**FC4-1800-A07R-TEC**	150	11	155.8	**1910.54**
	18.00	3/8" x 7"	**FC4-1800-B07R-BEC**	150	11	156.0	**1774.11**
	19.50	1/4" x 7"	**FC4-1950-A07R-TEC**	150	11	173.5	**1964.78**
	19.50	3/8" x 7"	**FC4-1950-B07R-BEC**	150	11	188.0	**1904.05**
	19.92	3/8" x 7"	**FC4-1992-B07R-TEC**	150	11	195.0	**2037.31**
20	20.00	1/4" x 7"	**FC4-2000-A07R-TEC**	150	12	180.8	**2089.84**
	20.00	3/8" x 7"	**FC4-2000-B07R-BEC**	150	12	195.6	**2027.89**
	21.60	1/4" x 7"	**FC4-2160-A07R-TEC**	150	12	201.7	**2203.01**
	21.60	3/8" x 7"	**FC4-2160-B07R-BEC**	150	12	217.8	**2143.97**
	22.06	3/8" x 7"	**FC4-2206-B07R-TEC**	150	12	224.4	**2251.00**
24	24.00	1/4" x 7"	**FC4-2400-A07R-TEC**	150	14	261.5	**2604.56**
	24.00	3/8" x 7"	**FC4-2400-B07R-BEC**	150	14	278.9	**2573.59**
	25.80	1/4" x 7"	**FC4-2580-A07R-TEC**	150	14	290.7	**2726.17**
	25.80	3/8" x 7"	**FC4-2580-B07R-TEC**	150	14	309.8	**2732.44**
	26.32	3/8" x 7"	**FC4-2632-B07R-TEC**	150	14	319.7	**2701.40**

FORD STAINLESS STEEL COUPLINGS WITH END CAP

STYLE FC4X AND FC4Q - WITH TAPPED OR UNTAPPED END CAP



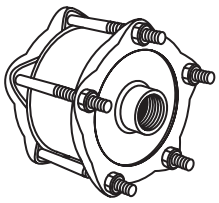
X = 304 Stainless Steel
Q = 316 Stainless Steel

Listed below are common sizes of FC4X and FC4Q couplings with end cap. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact customer service for pricing.

NOTE: End caps are optional with any FC4X or FC4Q coupling shown on pages M-9 or M-10. To order, add "-TEC" (tapped end cap code) or "-BEC" (untapped end cap code) to the FC4X or FC4Q part number.

Nom. Pipe Size (In.)	Pipe O.D. (In.)	Sleeve Thickness & Length (In.)	Catalog Number 304 Stainless Steel	List Price	Catalog Number 316 Stainless Steel	List Price	Rated Working Pressure	Number of Bolts
14	14.00	1/4 x 5	**FC4X-1400-A05R-TEC**	**P.O.A.**	**FC4Q-1400-A05R-TEC**	**P.O.A.**	150	9
	14.00	1/4 x 7	**FC4X-1400-A07R-TEC**	**P.O.A.**	**FC4Q-1400-A07R-TEC**	**P.O.A.**	150	9
	14.00	3/8 x 7	**FC4X-1400-B07R-BEC**	**P.O.A.**	**FC4Q-1400-B07R-BEC**	**P.O.A.**	150	9
	15.30	1/4 x 7	**FC4X-1530-A07R-TEC**	**P.O.A.**	**FC4Q-1530-A07R-TEC**	**P.O.A.**	150	9
	15.30	3/8 x 7	**FC4X-1530-B07R-BEC**	**P.O.A.**	**FC4Q-1530-B07R-BEC**	**P.O.A.**	150	9
	15.65	3/8 x 7	**FC4X-1565-B07R-TEC**	**P.O.A.**	**FC4Q-1565-B07R-TEC**	**P.O.A.**	150	9
16	16.00	1/4 x 5	**FC4X-1600-A05R-TEC**	**P.O.A.**	**FC4Q-1600-A05R-TEC**	**P.O.A.**	150	10
	16.00	1/4 x 7	**FC4X-1600-A07R-TEC**	**P.O.A.**	**FC4Q-1600-A07R-TEC**	**P.O.A.**	150	10
	16.00	3/8 x 7	**FC4X-1600-B07R-BEC**	**P.O.A.**	**FC4Q-1600-B07R-BEC**	**P.O.A.**	150	10
	17.40	1/4 x 7	**FC4X-1740-A07R-TEC**	**P.O.A.**	**FC4Q-1740-A07R-TEC**	**P.O.A.**	150	10
	17.40	3/8 x 7	**FC4X-1740-B07R-BEC**	**P.O.A.**	**FC4Q-1740-B07R-BEC**	**P.O.A.**	150	10
	17.80	3/8 x 7	**FC4X-1780-B07R-TEC**	**P.O.A.**	**FC4Q-1780-B07R-TEC**	**P.O.A.**	150	10
18	18.00	1/4 x 5	**FC4X-1800-A05R-TEC**	**P.O.A.**	**FC4Q-1800-A05R-TEC**	**P.O.A.**	150	11
	18.00	1/4 x 7	**FC4X-1800-A07R-TEC**	**P.O.A.**	**FC4Q-1800-A07R-TEC**	**P.O.A.**	150	11
	18.00	3/8 x 7	**FC4X-1800-B07R-BEC**	**P.O.A.**	**FC4Q-1800-B07R-BEC**	**P.O.A.**	150	11
	19.50	1/4 x 7	**FC4X-1950-A07R-TEC**	**P.O.A.**	**FC4Q-1950-A07R-TEC**	**P.O.A.**	150	11
	19.50	3/8 x 7	**FC4X-1950-B07R-BEC**	**P.O.A.**	**FC4Q-1950-B07R-BEC**	**P.O.A.**	150	11
	19.92	3/8 x 7	**FC4X-1992-B07R-TEC**	**P.O.A.**	**FC4Q-1992-B07R-TEC**	**P.O.A.**	150	11
20	20.00	1/4 x 7	**FC4X-2000-A07R-TEC**	**P.O.A.**	**FC4Q-2000-A07R-TEC**	**P.O.A.**	150	12
	20.00	3/8 x 7	**FC4X-2000-B07R-BEC**	**P.O.A.**	**FC4Q-2000-B07R-BEC**	**P.O.A.**	150	12
	21.60	1/4 x 7	**FC4X-2160-A07R-TEC**	**P.O.A.**	**FC4Q-2160-A07R-TEC**	**P.O.A.**	150	12
	21.60	3/8 x 7	**FC4X-2160-B07R-BEC**	**P.O.A.**	**FC4Q-2160-B07R-BEC**	**P.O.A.**	150	12
	22.06	3/8 x 7	**FC4X-2206-B07R-TEC**	**P.O.A.**	**FC4Q-2206-B07R-TEC**	**P.O.A.**	150	12
24	24.00	1/4 x 7	**FC4X-2400-A07R-TEC**	**P.O.A.**	**FC4Q-2400-A07R-TEC**	**P.O.A.**	150	14
	24.00	3/8 x 7	**FC4X-2400-B07R-BEC**	**P.O.A.**	**FC4Q-2400-B07R-BEC**	**P.O.A.**	150	14
	25.80	1/4 x 7	**FC4X-2580-A07R-TEC**	**P.O.A.**	**FC4Q-2580-A07R-TEC**	**P.O.A.**	150	14
	25.80	3/8 x 7	**FC4X-2580-B07R-BEC**	**P.O.A.**	**FC4Q-2580-B07R-BEC**	**P.O.A.**	150	14
	26.32	3/8 x 7	**FC4X-2632-B07R-TEC**	**P.O.A.**	**FC4Q-2632-B07R-TEC**	**P.O.A.**	150	14

FORD END CAP COUPLINGS
STYLE FEC

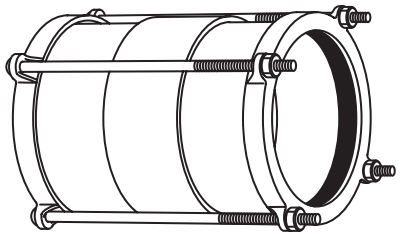


Nom. Pipe Size (In.)	Pipe O.D. Range (In.)	Catalog Number	Approx. Wt. Lbs.	List Price	End Cap Only (includes gasket)		List Price
					FC1 Coupling	FC2A Coupling	
4	4.00	**FEC-400**	21	**$ 368.32**	**FEC1-4**	**FEC2-4**	**$ 212.59**
	4.50	**FEC-450**					
	4.80-5.14	**FEC-514**					
	5.15-5.57	**FEC-557**					
6	6.00	**FEC-600**	31	**467.54**	**FEC1-6**	**FEC2-6**	**239.28**
	6.63	**FEC-663**					
	6.90-7.20	**FEC-720**					
	7.21-7.56	**FEC-756**					
8	8.00	**FEC-800**	41	**565.33**	**FEC1-8**	**FEC2-8**	**271.04**
	8.63	**FEC-863**					
	9.05-9.40	**FEC-940**					
	9.40-9.74	**FEC-974**					
10	11.10-11.40	**FEC-1140**	55	**804.69**	**FEC1-10**	**FEC2-10**	**351.48**
	11.77-12.12	**FEC-1212**					
12	13.20-13.50	**FEC-1350**	66	**967.54**	**FEC1-12**	**FEC2-12**	**401.88**

Caution: Customer is cautioned to provide proper thrust resistance to prevent movement on pipe.

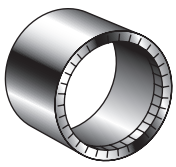
Note: 2" male iron pipe plugs are not included. Larger fabricated end cap couplings are listed in section “N”. Additional end caps which are not listed above are available upon request. Please specify coupling catalog number on which the end cap will be installed.

FORD CUT-IN COUPLINGS
STYLE FRR (15" LONG)



Nom. Pipe Size	Pipe O.D. Range (In.)	Catalog Number	Approx. Wt. Lbs.	List Price
4"	4.80-5.14	**FRR-514**	38.4	**$ 667.38**
	5.15-5.57	**FRR-557**	37.7	**667.38**
6"	6.90-7.20	**FRR-720**	56.6	**845.94**
	7.21-7.56	**FRR-756**	55.8	**845.94**
8"	9.05-9.40	**FRR-940**	76,3	**979.10**
	9.40-9.74	**FRR-974**	74.5	**1026.67**
10"	11.10-11.40	**FRR-1140**	114.4	**1414.23**
	11.42-11.77	**FRR-1177**	113.9	**1414.23**
	11.77-12.12	**FRR-1212**	112.6	**1747.43**
12"	13.20-13.50	**FRR-1350**	148.6	**1842.89**
	13.69-14.04	**FRR-1404**	135.0	**1871.43**
	14.03-14.38	**FRR-1438**	135.0	**1981.66**

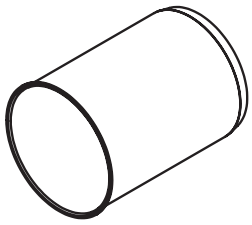
SBR INSULATING BOOT FOR DUCTILE IRON PIPE AND CAST IRON PIPE



D.I. Pipe O.D.	Catalog Number	Approx. Wt. Lbs.	List Price
4.80	**FIB-480**	0.7	**$ 68.22**
6.90	**FIB-690**	1.2	**83.72**
9.05	**FIB-905**	1.6	**99.05**
11.10	**FIB-1110**	1.9	**114.03**
13.20	**FIB-1320**	1.9	**129.62**

Note: The FIB **adds** ***.25"*** to the pipe O.D. This additional O.D. must be considered when ordering accompanying coupling.

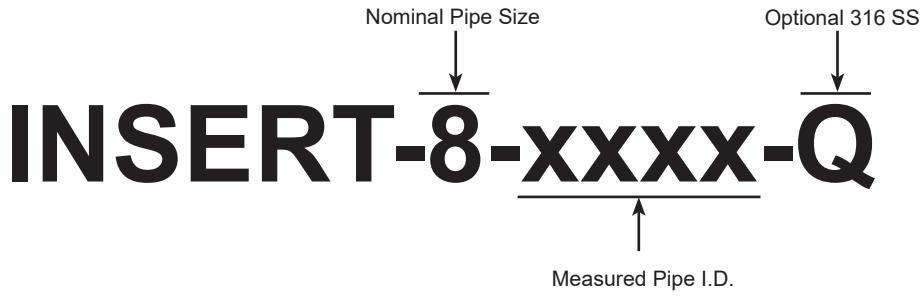
STAINLESS STEEL INSERT STIFFENERS



Nom. Pipe Size (In.)	* Catalog Number	Length (In.)	Approx. Wt. Lbs.	List Price
3	**INSERT-3-xxx**	6-8	1.7	**$ 178.18**
4	**INSERT-4-xxx**		1.0	**212.05**
6	**INSERT-6-xxx**	7-3/8	2.1	**148.81**
8	**INSERT-8-xxx**		2.4	**162.37**
10	**INSERT-10-xxxx**		3.5	**175.68**
12	**INSERT-12-xxxx**		4.1	**191.44**
14	**INSERT-14-xxxx**		5.7	**227.30**
16	**INSERT-16-xxxx**		6.5	**240.15**
18	**INSERT-18-xxxx**		7.4	**260.15**
20	**INSERT-20-xxxx**		8.2	**269.72**
24	**INSERT-24-xxxx**		9.6	**307.00**
30	**INSERT-30-xxxx-14-L7**		20.4	**582.66**
36	**INSERT-36-xxxx-14-L7**		25.0	**622.37**

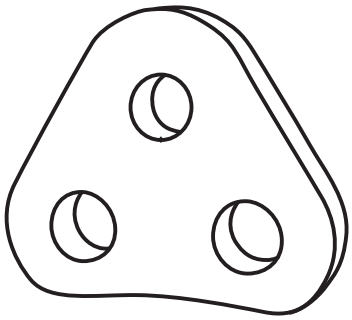
* When ordering, the pipe inside diameter is required. For example, when ordering for an 8" pipe with an I.D. of 7.305", the part number is INSERT-8-731.
Stainless steel insert stiffeners with an OD of 6" or larger will be 7-3/8" in length.
Contact factory for sizes larger than 36" or high pressure applications.

INSERT NUMBERING SYSTEM



M

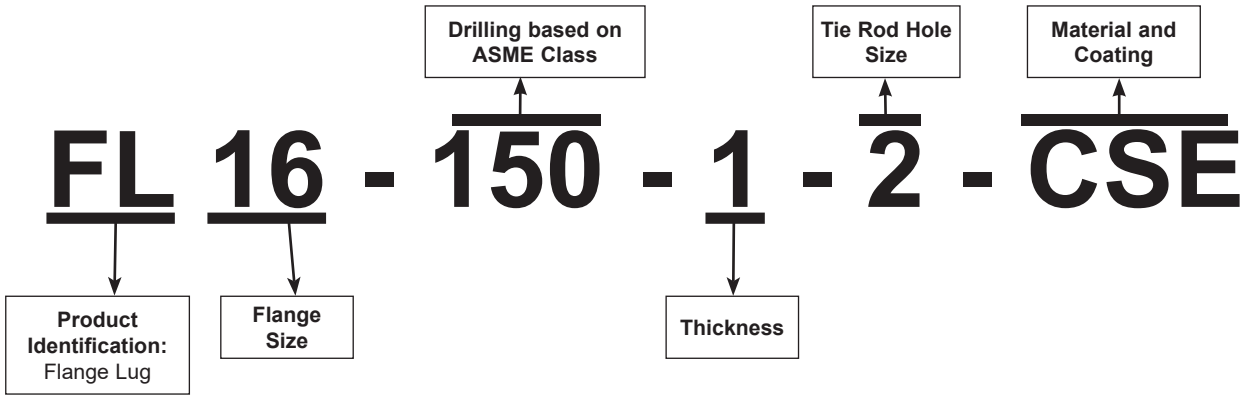
FLANGE LUGS
For Restrained Connections



Ford flange lugs are a simple way to accommodate for misalignment and restrain couplings, flanged coupling adapters and equipment connection fittings. Ford flange lugs can be supplied in any shape up to 4-3/4" thick, while ensuring dimensional accuracy without heat distortion.

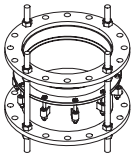
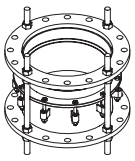
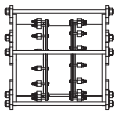
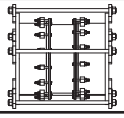
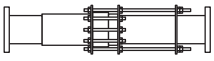
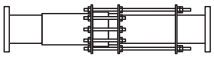
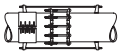
Features:

- Available in 304 or 316 stainless steel, carbon steel or COR-TEN® weathering steel
- Options of shop coating, fusion bonded epoxy, fluoropolymer based coating, Armourguard™ e-coat or uncoated
- Available in designs compatible with all classes of AWWA C207/228 flanges, AWWA C111 Class 125/150 flanges as well as ASME and ISO flanges



M

ENGINEERED PIPE PRODUCTS AND FITTINGS
SECTION N

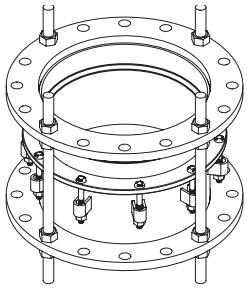
Product	Product Style Identification	Application	Nom. Pipe Size	Page Number
	FDJ Dismantling Joint	Provides longitudinal adjustment between flanged components. Removable for easy accessibility and maintenance	4"-36"	N-2
	FDJX and FDJQ Stainless Steel Dismantling Joint	Provides longitudinal adjustment between flanged components. Removable for easy accessibility and maintenance	3"-36"	N-3
	BDJ Baker Dismantling Joint	Provides longitudinal adjustment between flanged components. Removable for easy accessibility and maintenance	24"-120"	N-4
	BDJX and BDJQ Stainless Steel Baker Dismantling Joint	Provides longitudinal adjustment between flanged components. Removable for easy accessibility and maintenance	24"-120"	N-5
	FECF, FECFX and FECFQ Equipment Connection Fitting	For connections between flanged fittings	3"-24"	N-6
	BECF, BECFX and BECFQ Baker Equipment Connection Fitting	For connections between flanged fittings	24"-66"	N-6
	FEJ Expansion Joint Coupling	Provides for contraction and expansion of exposed pipe	4"-24"	N-7
	FEJX and FEJQ Expansion Joint Coupling	Provides for contraction and expansion of exposed pipe	4"-24"	N-8
	401, 402, 403 and 404 Baker Expansion Joint Coupling	Provides for contraction and expansion of exposed pipe	24"-96"	N-9
	401X/Q, 402X/Q, 403X/Q and 404X/Q Baker Stainless Steel Expansion Joint Coupling	Provides for contraction and expansion of exposed pipe	24"-96"	N-9
	FR, FRX and FRQ Restrainer Assembly	Restrains pipe joint	4"-60"	N-10
	Fabricated Spool Adapter	Custom spools for flanged connections	3"-48"	N-11
	Stainless Steel Insert Stiffeners	Stainless steel insert stiffeners for pipe support	3"-36"	N-11

IMPORTANT: DOMESTIC PRODUCT COMPLIANCE NOTICE

The requirements for defining domestic product can vary among the many regulations, which have previously changed and can subsequently change. Please contact your Ford Customer Service Representative to clarify which Ford products currently meet a specific regulatory requirement (AIS, BABAA, Buy America, Buy American, DOT, Etc).

Note: Items in this section are non-returnable and are subject to cancellation charges.

FORD DISMANTLING JOINT
STYLE FDJ



Dismantling Joints Less Tie Rods

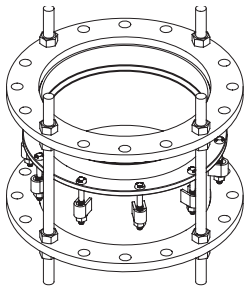
Nominal Size (In.)	Item Number	Nominal Length	Minimum Length	Maximum Length	Approx. Weight	List Price
2	**FDJ-D2R**	See Submittals Online for Dimensions			27.5	**$ 711.66**
3	**FDJ-D3R**				31.3	**576.15**
4	**FDJ-D4R**				36.5	**579.82**
6	**FDJ-D6R**				55.0	**720.22**
8	**FDJ-D8R**				76.8	**928.40**
10	**FDJ-D10R**				92.2	**1712.18**
12	**FDJ-D12R**				151.2	**1935.52**
14	**FDJ-D14R**				170.0	**2851.17**
16	**FDJ-D16R**				222.4	**3123.05**
18	**FDJ-D18R**				232.7	**3353.91**
20	**FDJ-D20R**				285.3	**3918.88**
24	**FDJ-D24R**				376.8	**5124.97**
30	**FDJ-D30R**				553.1	**7505.06**
36	**FDJ-D36R**				832.9	**10302.08**

Dismantling Joints With Tie Rods

Nominal Size (In.)	Item Number	Nominal Length	Minimum Length	Maximum Length	Approx. Weight	List Price
4	**FDJ-D4R-R**	See Submittals Online for Dimensions			38.8	**$ 651.96**
6	**FDJ-D6R-R**				58.8	**863.96**
8	**FDJ-D8R-R**				79.5	**1043.44**
10	**FDJ-D10R-R**				93.3	**1896.93**
12	**FDJ-D12R-R**				161.3	**2120.31**
14	**FDJ-D14R-R**				192.0	**3029.49**
16	**FDJ-D16R-R**				248.9	**3315.07**
18	**FDJ-D18R-R**				270.4	**3723.12**
20	**FDJ-D20R-R**				310.1	**4217.85**
24	**FDJ-D24R-R**				396.4	**5655.96**
30	**FDJ-D30R-R**				605.0	**8249.54**
36	**FDJ-D36R-R**				873.1	**11533.47**

FORD STAINLESS STEEL DISMANTLING JOINT
STYLE FDJX & FDJQ

X = 304 Stainless Steel
Q = 316 Stainless Steel



Dismantling Joints with Tie Rods

Contact Customer Service for Pricing and Availability

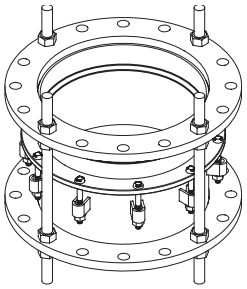
Nom. Pipe Size (In.)	Catalog Number 304 Stainless	List Price	Catalog Number 316 Stainless	List Price	Nominal Length (In.)	Minimum Length (In.)	Maximum Length (In.)
3	FDJX-D3X-R	P.O.A.	FDJQ-D3Q-R	P.O.A.	Dimensions Available Upon Request		
4	FDJX-D4X-R	P.O.A.	FDJQ-D4Q-R	P.O.A.			
6	FDJX-D6X-R	P.O.A.	FDJQ-D6Q-R	P.O.A.			
8	FDJX-D8X-R	P.O.A.	FDJQ-D8Q-R	P.O.A.			
10	FDJX-D10X-R	P.O.A.	FDJQ-D10Q-R	P.O.A.			
12	FDJX-D12X-R	P.O.A.	FDJQ-D12Q-R	P.O.A.			
14	FDJX-D14X-R	P.O.A.	FDJQ-D14Q-R	P.O.A.			
16	FDJX-D16X-R	P.O.A.	FDJQ-D16Q-R	P.O.A.			
18	FDJX-D18X-R	P.O.A.	FDJQ-D18Q-R	P.O.A.			
20	FDJX-D20X-R	P.O.A.	FDJQ-D20Q-R	P.O.A.			
24	FDJX-D24X-R	P.O.A.	FDJQ-D24Q-R	P.O.A.			
30	FDJX-D30X-R	P.O.A.	FDJQ-D30Q-R	P.O.A.			
36	FDJX-D36X-R	P.O.A.	FDJQ-D36Q-R	P.O.A.			

Dismantling Joints Less Tie Rods

Contact Customer Service for Pricing and Availability

Nom. Pipe Size (In.)	Catalog Number 304 Stainless	List Price	Catalog Number 316 Stainless	List Price	Nominal Length (In.)	Minimum Length (In.)	Maximum Length (In.)
3	FDJX-D3X	P.O.A.	FDJQ-D3Q	P.O.A.	Dimensions Available Upon Request		
4	FDJX-D4X	P.O.A.	FDJQ-D4Q	P.O.A.			
6	FDJX-D6X	P.O.A.	FDJQ-D6Q	P.O.A.			
8	FDJX-D8X	P.O.A.	FDJQ-D8Q	P.O.A.			
10	FDJX-D10X	P.O.A.	FDJQ-D10Q	P.O.A.			
12	FDJX-D12X	P.O.A.	FDJQ-D12Q	P.O.A.			
14	FDJX-D14X	P.O.A.	FDJQ-D14Q	P.O.A.			
16	FDJX-D16X	P.O.A.	FDJQ-D16Q	P.O.A.			
18	FDJX-D18X	P.O.A.	FDJQ-D18Q	P.O.A.			
20	FDJX-D20X	P.O.A.	FDJQ-D20Q	P.O.A.			
24	FDJX-D24X	P.O.A.	FDJQ-D24Q	P.O.A.			
30	FDJX-D30X	P.O.A.	FDJQ-D30Q	P.O.A.			
36	FDJX-D36X	P.O.A.	FDJQ-D36Q	P.O.A.			

BAKER DISMANTLING JOINT
STYLE BDJ



Dismantling Joints with Tie Rods

Contact Customer Service for Pricing and Availability

Nominal Size (In.)	Catalog Number	Nominal Length	Minimum Length	Maximum Length	Approx. Weight	List Price
24	**BDJ-D24R-R**	Dimensions Available Upon Request			396	**P.O.A.**
30	**BDJ-D30R-R**				605	**P.O.A.**
36	**BDJ-D36R-R**				873	**P.O.A.**
42	**BDJ-D42R-R**				-	**P.O.A.**
48	**BDJ-D48R-R**				-	**P.O.A.**
54	**BDJ-D54R-R**				-	**P.O.A.**
60	**BDJ-D60R-R**				-	**P.O.A.**
66	**BDJ-D66R-R**				-	**P.O.A.**
72	**BDJ-D72R-R**				-	**P.O.A.**
78	**BDJ-D78R-R**				-	**P.O.A.**
84	**BDJ-D84R-R**				-	**P.O.A.**
90	**BDJ-D90R-R**				-	**P.O.A.**
96	**BDJ-D96R-R**				-	**P.O.A.**
102	**BDJ-D102R-R**				-	**P.O.A.**
108	**BDJ-D108R-R**				-	**P.O.A.**
114	**BDJ-D114R-R**				-	**P.O.A.**
120	**BDJ-D120R-R**				-	**P.O.A.**

Dismantling Joints Less Tie Rods

Contact Customer Service for Pricing and Availability

Nominal Size (In.)	Catalog Number	Nominal Length	Minimum Length	Maximum Length	Approx. Weight	List Price
24	**BDJ-D24R**	Dimensions Available Upon Request			377	**P.O.A.**
30	**BDJ-D30R**				553	**P.O.A.**
36	**BDJ-D36R**				833	**P.O.A.**
42	**BDJ-D42R**				-	**P.O.A.**
48	**BDJ-D48R**				-	**P.O.A.**
54	**BDJ-D54R**				-	**P.O.A.**
60	**BDJ-D60R**				-	**P.O.A.**
66	**BDJ-D66R**				-	**P.O.A.**
72	**BDJ-D72R**				-	**P.O.A.**
78	**BDJ-D78R**				-	**P.O.A.**
84	**BDJ-D84R**				-	**P.O.A.**
90	**BDJ-D90R**				-	**P.O.A.**
96	**BDJ-D96R**				-	**P.O.A.**
102	**BDJ-D102R**				-	**P.O.A.**
108	**BDJ-D108R**				-	**P.O.A.**
114	**BDJ-D114R**				-	**P.O.A.**
120	**BDJ-D120R**				-	**P.O.A.**

BAKER STAINLESS STEEL DISMANTLING JOINT

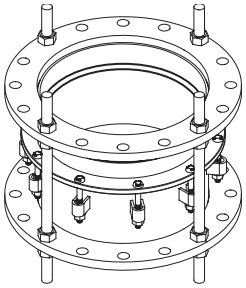
STYLE BDJX AND BDJQ

X = 304 Stainless Steel
Q = 316 Stainless Steel

Dismantling Joints with Tie Rods

Contact Customer Service for Pricing and Availability

Nom. Pipe Size (In.)	Catalog Number 304 Stainless	List Price	Catalog Number 316 Stainless	List Price	Nominal Length (In.)	Minimum Length (In.)	Maximum Length (In.)
24	BDJX-D24R-R	P.O.A.	BDJQ-D24R-R	P.O.A.	Dimensions Available Upon Request		
30	BDJX-D30R-R	P.O.A.	BDJQ-D30R-R	P.O.A.			
36	BDJX-D36R-R	P.O.A.	BDJQ-D36R-R	P.O.A.			
42	BDJX-D42R-R	P.O.A.	BDJQ-D42R-R	P.O.A.			
48	BDJX-D48R-R	P.O.A.	BDJQ-D48R-R	P.O.A.			
54	BDJX-D54R-R	P.O.A.	BDJQ-D54R-R	P.O.A.			
60	BDJX-D60R-R	P.O.A.	BDJQ-D60R-R	P.O.A.			
66	BDJX-D66R-R	P.O.A.	BDJQ-D66R-R	P.O.A.			
72	BDJX-D72R-R	P.O.A.	BDJQ-D72R-R	P.O.A.			
78	BDJX-D78R-R	P.O.A.	BDJQ-D78R-R	P.O.A.			
84	BDJX-D84R-R	P.O.A.	BDJQ-D84R-R	P.O.A.			
90	BDJX-D90R-R	P.O.A.	BDJQ-D90R-R	P.O.A.			
96	BDJX-D96R-R	P.O.A.	BDJQ-D96R-R	P.O.A.			
102	BDJX-D102R-R	P.O.A.	BDJQ-D102R-R	P.O.A.			
108	BDJX-D108R-R	P.O.A.	BDJQ-D108R-R	P.O.A.			
114	BDJX-D114R-R	P.O.A.	BDJQ-D114R-R	P.O.A.			
120	BDJX-D120R-R	P.O.A.	BDJQ-D120R-R	P.O.A.			



Dismantling Joints Less Tie Rods

Contact Customer Service for Pricing and Availability

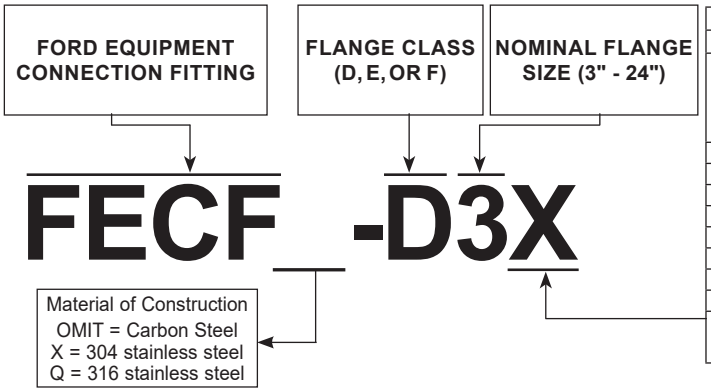
Nom. Pipe Size (In.)	Catalog Number 304 Stainless	List Price	Catalog Number 316 Stainless	List Price	Nominal Length (In.)	Minimum Length (In.)	Maximum Length (In.)
24	BDJX-D24R	P.O.A.	BDJQ-D24R	P.O.A.	Dimensions Available Upon Request		
30	BDJX-D30R	P.O.A.	BDJQ-D30R	P.O.A.			
36	BDJX-D36R	P.O.A.	BDJQ-D36R	P.O.A.			
42	BDJX-D42R	P.O.A.	BDJQ-D42R	P.O.A.			
48	BDJX-D48R	P.O.A.	BDJQ-D48R	P.O.A.			
54	BDJX-D54R	P.O.A.	BDJQ-D54R	P.O.A.			
60	BDJX-D60R	P.O.A.	BDJQ-D60R	P.O.A.			
66	BDJX-D66R	P.O.A.	BDJQ-D66R	P.O.A.			
72	BDJX-D72R	P.O.A.	BDJQ-D72R	P.O.A.			
78	BDJX-D78R	P.O.A.	BDJQ-D78R	P.O.A.			
84	BDJX-D84R	P.O.A.	BDJQ-D84R	P.O.A.			
90	BDJX-D90R	P.O.A.	BDJQ-D90R	P.O.A.			
96	BDJX-D96R	P.O.A.	BDJQ-D96R	P.O.A.			
102	BDJX-D102R	P.O.A.	BDJQ-D102R	P.O.A.			
108	BDJX-D108R	P.O.A.	BDJQ-D108R	P.O.A.			
114	BDJX-D114R	P.O.A.	BDJQ-D114R	P.O.A.			
120	BDJX-D120R	P.O.A.	BDJQ-D120R	P.O.A.			

N

FORD EQUIPMENT CONNECTION FITTING
STYLE FECF, FECFX AND FECFQ

Contact Customer Service for Pricing and Availability

FECF NUMBERING SYSTEM



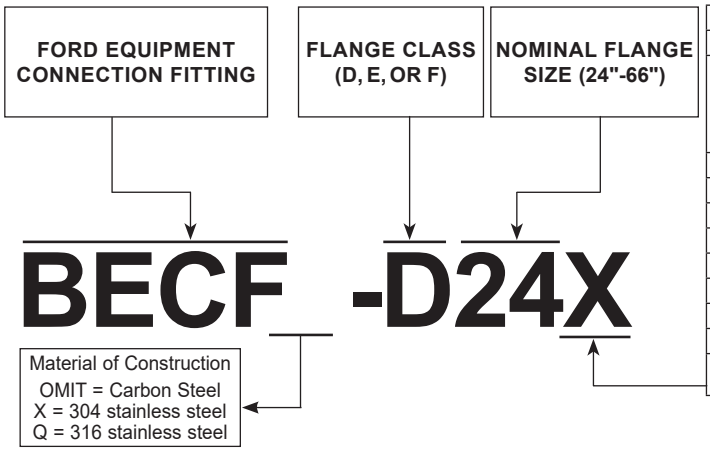
COATING, HARDWARE AND GASKET OPTIONS				
	COATING AND HDWR. COMBINATIONS			
GASKET MATERIAL	Standard Alloy Hdwr.	304 Stainless Steel Hdwr.	316 Stainless Steel Hdwr.	Electro Galvanized Hdwr.
	Standard Shop Coat			
SBR Rubber	R	X	Q	G
NBR (Buna-N) Rubber	N	H	J	F
EPDM Rubber	S	M	V	W
	Epoxy Coated			
SBR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

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

BAKER EQUIPMENT CONNECTION FITTING
STYLE BECF, BECFX AND BECFQ

Contact Customer Service for Pricing and Availability

BECF NUMBERING SYSTEM

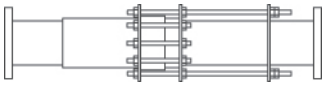


COATING, HARDWARE AND GASKET OPTIONS				
	COATING AND HDWR. COMBINATIONS			
GASKET MATERIAL	Standard Alloy Hdwr.	304 Stainless Steel Hdwr.	316 Stainless Steel Hdwr.	Electro Galvanized Hdwr.
	Standard Shop Coat			
SBR Rubber	R	X	Q	G
NBR (Buna-N) Rubber	N	H	J	F
EPDM Rubber	S	M	V	W
	Epoxy Coated			
SBR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

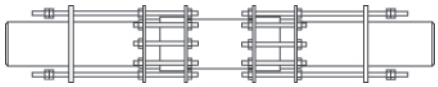
Note: See item listings in catalog section to assure that desired sizes and options are available

FORD STEEL EXPANSION JOINT
STYLE FEJ

Listed below are common sizes of FEJ couplings. If your pipe O.D. is not in the listed ranges or if you are ordering an unlisted option, contact Customer Service for pricing and availability.



FEJ with single packing chamber and flanged ends.

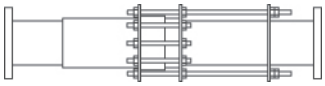


FEJ with double packing chamber and plain ends.

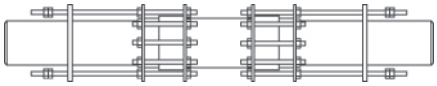
Nom. Pipe Size (In.)	Pipe O.D. (In.)	No. of Packing Chambers	Type of End Connection	Catalog Number	Rated Working Pressure	Approx. Wt. Lbs.	List Price
4	4.50	1	Plain	**FEJ1-450-P**	150	99.8	**$ 3896.72**
		2	Plain	**FEJ2-450-P**	150	182.6	**4898.70**
		1	Flanged	**FEJ1-450-F**	150	117.9	**4342.12**
		2	Flanged	**FEJ2-450-F**	150	200.7	**5255.04**
6	6.63	1	Plain	**FEJ1-663-P**	150	157.6	**5767.15**
		2	Plain	**FEJ2-663-P**	150	287.6	**6568.81**
		1	Flanged	**FEJ1-663-F**	150	181.3	**6368.34**
		2	Flanged	**FEJ2-663-F**	150	311.2	**7927.08**
8	8.63	1	Plain	**FEJ1-863-P**	150	244.9	**6724.61**
		2	Plain	**FEJ2-863-P**	150	436.7	**7637.53**
		1	Flanged	**FEJ1-863-F**	150	277.6	**7570.69**
		2	Flanged	**FEJ2-863-F**	150	468.4	**8350.08**
10	10.75	1	Plain	**FEJ1-1075-P**	150	286.1	**8238.73**
		2	Plain	**FEJ2-1075-P**	150	514.3	**9708.45**
		1	Flanged	**FEJ1-1075-F**	150	328.0	**9129.50**
		2	Flanged	**FEJ2-1075-F**	150	556.0	**9235.38**
12	12.75	1	Plain	**FEJ1-1275-P**	150	354.3	**9040.36**
		2	Plain	**FEJ2-1275-P**	150	616.1	**12825.30**
		1	Flanged	**FEJ1-1275-F**	150	429.9	**10465.42**
		2	Flanged	**FEJ2-1275-F**	150	691.7	**14139.55**
14	14.00	1	Plain	**FEJ1-1400-P**	150	380.3	**9686.10**
		2	Plain	**FEJ2-1400-P**	150	684.5	**14028.10**
		1	Flanged	**FEJ1-1400-F**	150	480.3	**11801.44**
		2	Flanged	**FEJ2-1400-F**	150	784.5	**16165.79**
16	16.00	1	Plain	**FEJ1-1600-P**	150	442.8	**10576.74**
		2	Plain	**FEJ2-1600-P**	150	799.0	**15364.14**
		1	Flanged	**FEJ1-1600-F**	150	570.8	**13026.15**
		2	Flanged	**FEJ2-1600-F**	150	927.0	**17702.26**
18	18.00	1	Plain	**FEJ1-1800-P**	125	507.7	**12202.32**
		2	Plain	**FEJ2-1800-P**	125	918.2	**15408.71**
		1	Flanged	**FEJ1-1800-F**	125	643.7	**15052.44**
		2	Flanged	**FEJ2-1800-F**	125	1054.2	**20151.56**
20	20.00	1	Plain	**FEJ1-2000-P**	110	575.2	**13805.50**
		2	Plain	**FEJ2-2000-P**	110	1042.6	**19260.87**
		1	Flanged	**FEJ1-2000-F**	110	743.2	**17256.82**
		2	Flanged	**FEJ2-2000-F**	110	1210.6	**22823.54**
24	24.00	1	Plain	**FEJ1-2400-P**	100	525.0	**16254.82**
		2	Plain	**FEJ2-2400-P**	100	1300.6	**22489.53**
		1	Flanged	**FEJ1-2400-F**	100	948.9	**20262.90**
		2	Flanged	**FEJ2-2400-F**	100	1584.6	**26497.66**

FORD STAINLESS STEEL EXPANSION JOINT
STYLE FEJX AND FEJQ

Listed below are common sizes of FEJX and FEJQ couplings. If your pipe O.D. is not in the listed ranges or if you are ordering an unlisted option, contact customer service for pricing and availability



FEJX with single packing chamber and flanged ends.



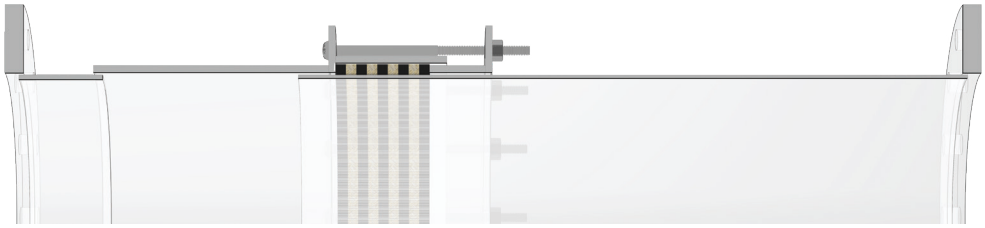
FEJX with double packing chamber and plain ends.

Nom. Pipe Size (In.)	Pipe O.D.	No. of Packing Chambers	Type of End Connection	Catalog Number 304 Stainless	List Price	Catalog Number 316 Stainless	List Price	Rated Working Pressure
4	4.50	1	Plain	**FEJ1X-450-P**	**P.O.A.**	**FEJ1Q-450-P**	**P.O.A.**	150
		2	Plain	**FEJ2X-450-P**	**P.O.A.**	**FEJ2Q-450-P**	**P.O.A.**	150
		1	Flanged	**FEJ1X-450-F**	**P.O.A.**	**FEJ1Q-450-F**	**P.O.A.**	150
		2	Flanged	**FEJ2X-450-F**	**P.O.A.**	**FEJ2Q-450-F**	**P.O.A.**	150
6	6.63	1	Plain	**FEJ1X-663-P**	**P.O.A.**	**FEJ1Q-663-P**	**P.O.A.**	150
		2	Plain	**FEJ2X-663-P**	**P.O.A.**	**FEJ2Q-663-P**	**P.O.A.**	150
		1	Flanged	**FEJ1X-663-F**	**P.O.A.**	**FEJ1Q-663-F**	**P.O.A.**	150
		2	Flanged	**FEJ2X-663-F**	**P.O.A.**	**FEJ2Q-663-F**	**P.O.A.**	150
8	8.63	1	Plain	**FEJ1X-863-P**	**P.O.A.**	**FEJ1Q-863-P**	**P.O.A.**	150
		2	Plain	**FEJ2X-863-P**	**P.O.A.**	**FEJ2Q-863-P**	**P.O.A.**	150
		1	Flanged	**FEJ1X-863-F**	**P.O.A.**	**FEJ1Q-863-F**	**P.O.A.**	150
		2	Flanged	**FEJ2X-863-F**	**P.O.A.**	**FEJ2Q-863-F**	**P.O.A.**	150
10	10.75	1	Plain	**FEJ1X-1075-P**	**P.O.A.**	**FEJ1Q-1075-P**	**P.O.A.**	150
		2	Plain	**FEJ2X-1075-P**	**P.O.A.**	**FEJ2Q-1075-P**	**P.O.A.**	150
		1	Flanged	**FEJ1X-1075-F**	**P.O.A.**	**FEJ1Q-1075-F**	**P.O.A.**	150
		2	Flanged	**FEJ2X-1075-F**	**P.O.A.**	**FEJ2Q-1075-F**	**P.O.A.**	150
12	12.75	1	Plain	**FEJ1X-1275-P**	**P.O.A.**	**FEJ1Q-1275-P**	**P.O.A.**	150
		2	Plain	**FEJ2X-1275-P**	**P.O.A.**	**FEJ2Q-1275-P**	**P.O.A.**	150
		1	Flanged	**FEJ1X-1275-F**	**P.O.A.**	**FEJ1Q-1275-F**	**P.O.A.**	150
		2	Flanged	**FEJ2X-1275-F**	**P.O.A.**	**FEJ2Q-1275-F**	**P.O.A.**	150
14	14.00	1	Plain	**FEJ1X-1400-P**	**P.O.A.**	**FEJ1Q-1400-P**	**P.O.A.**	150
		2	Plain	**FEJ2X-1400-P**	**P.O.A.**	**FEJ2Q-1400-P**	**P.O.A.**	150
		1	Flanged	**FEJ1X-1400-F**	**P.O.A.**	**FEJ1Q-1400-F**	**P.O.A.**	150
		2	Flanged	**FEJ2X-1400-F**	**P.O.A.**	**FEJ2Q-1400-F**	**P.O.A.**	150
16	16.00	1	Plain	**FEJ1X-1600-P**	**P.O.A.**	**FEJ1Q-1600-P**	**P.O.A.**	150
		2	Plain	**FEJ2X-1600-P**	**P.O.A.**	**FEJ2Q-1600-P**	**P.O.A.**	150
		1	Flanged	**FEJ1X-1600-F**	**P.O.A.**	**FEJ1Q-1600-F**	**P.O.A.**	150
		2	Flanged	**FEJ2X-1600-F**	**P.O.A.**	**FEJ2Q-1600-F**	**P.O.A.**	150
18	18.00	1	Plain	**FEJ1X-1800-P**	**P.O.A.**	**FEJ1Q-1800-P**	**P.O.A.**	150
		2	Plain	**FEJ2X-1800-P**	**P.O.A.**	**FEJ2Q-1800-P**	**P.O.A.**	150
		1	Flanged	**FEJ1X-1800-F**	**P.O.A.**	**FEJ1Q-1800-F**	**P.O.A.**	150
		2	Flanged	**FEJ2X-1800-F**	**P.O.A.**	**FEJ2Q-1800-F**	**P.O.A.**	150
20	20.00	1	Plain	**FEJ1X-2000-P**	**P.O.A.**	**FEJ1Q-2000-P**	**P.O.A.**	150
		2	Plain	**FEJ2X-2000-P**	**P.O.A.**	**FEJ2Q-2000-P**	**P.O.A.**	150
		1	Flanged	**FEJ1X-2000-F**	**P.O.A.**	**FEJ1Q-2000-F**	**P.O.A.**	150
		2	Flanged	**FEJ2X-2000-F**	**P.O.A.**	**FEJ2Q-2000-F**	**P.O.A.**	150
24	24.00	1	Plain	**FEJ1X-2400-P**	**P.O.A.**	**FEJ1Q-2400-P**	**P.O.A.**	150
		2	Plain	**FEJ2X-2400-P**	**P.O.A.**	**FEJ2Q-2400-P**	**P.O.A.**	150
		1	Flanged	**FEJ1X-2400-F**	**P.O.A.**	**FEJ1Q-2400-F**	**P.O.A.**	150
		2	Flanged	**FEJ2X-2400-F**	**P.O.A.**	**FEJ2Q-2400-F**	**P.O.A.**	150

BAKER EXPANSION JOINTS
STYLE 401, 402, 403 AND 404

X = 304 Stainless Steel
Q = 316 Stainless Steel

SINGLE END EXPANSION JOINT
STYLE 401 / 401X / 401Q



Contact customer service for pricing and availability.

DOUBLE SLIP PIPE EXPANSION JOINT
STYLE 402 / 402X / 402Q



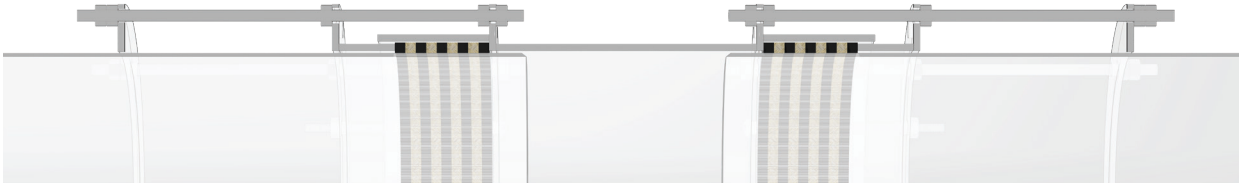
Contact customer service for pricing and availability.

SINGLE END EXPANSION JOINT WITH LIMIT RODS
STYLE 403 / 403X / 403Q



Contact customer service for pricing and availability.

DOUBLE END EXPANSION JOINT WITH DOUBLE LIMIT RODS
STYLE 404 / 404X / 404Q



Contact customer service for pricing and availability.

FORD RESTRAINER ASSEMBLIES
STYLE FR

How to order FR restrainer assemblies: Working pressure, pipe O.D., pipe type and all critical dimensions are required for installation. The coupling manufacturer and model number is critical to ensure that the tie rods will clear pipe joints on any other fitting involved. Ford will manufacture FR restrainer assemblies to your specifications using the material and dimensional parameters listed below.

A code system is used to designate the part number. Each code determines how the assembly will be manufactured. Ford will manufacture FR restrainer assemblies to your specifications. The example shown below is a FR1-663P-690D-2A. This is a harness assembly made to restrain a 6.63 O.D. plastic pipe to a 6.90 O.D. ductile iron pipe and uses two, 5/8" tie rods. All restrainer assemblies are individually quoted. Contact Ford Customer Service for pricing.

FR1 _ -663 P-690 D- 2 A

Product Identification: Restrainer Assembly
FR1=Harness Assembly
FR2=Harness-To-Lug Assembly
FR3=Lug-To-Lug Assembly

Material of Construction:
OMIT = Carbon Steel
X = 304 stainless steel
Q = 316 stainless steel

Pipe O.D.

Type of pipe:
S = Steel
P = Plastic
D = Iron

Pipe O.D.

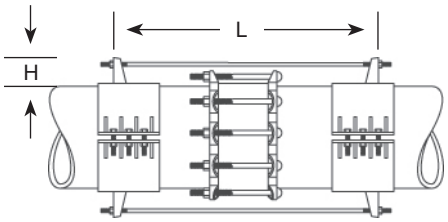
Type of pipe:
S = Steel
P = Plastic
D = Iron

Tie Rod Size:
A = 5/8"
B = 3/4"
C = 1"

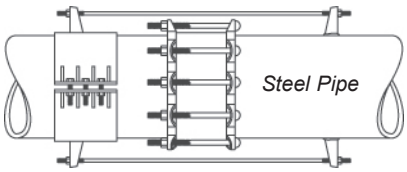
Tie Rod Quantity:
The total of rods needed will be determined by the force restrained. Harness assembly must have an even number of tie rods.

Be sure to check the Uni-Flange Catalog and Price Book for additional information and options for restraining PVC and ductile iron pipe joints. Contact Customer Service for technical support as well as for pricing and availability information regarding restrainer assemblies.

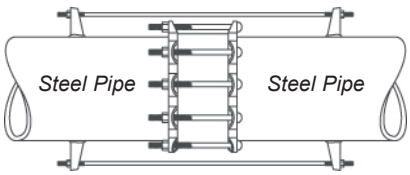
Note: Style FR1 and FR2 harness restrainer assemblies are recommended for the following pipe type and size with a 150 PSI rated working water pressure: Steel 4" through 16"
Plastic 4" through 6"
Iron 4" through 16"



FR1 - Harness Style Restrainer Assembly
Saddle to saddle assembly for use on steel, PVC, cast iron, ductile iron or A/C pipe.
A complete assembly includes two harnesses and a minimum of two tie rods.

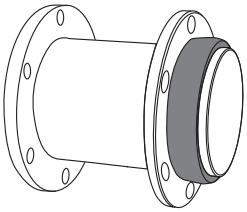


FR2 - Harness-Lug Style Restrainer Assembly
Harness to lug assembly for use on steel pipe
A complete assembly includes one harness and a minimum of two lugs and two tie rods.



FR3 - Lug Style Restrainer Assembly
Lug to lug assembly for use on steel pipe *or* steel fittings such as a steel flange coupling adapter.
A complete assembly includes a minimum of four lugs and two tie rods.

FABRICATED SPOOLS



Part Numbering System

Material
OMIT = Carbon Steel
X = 304 Stainless
Q = 316 Stainless

End Type
PE = Plain End
D = AWWA Class D Flange
E = AWWA Class E Flange
F = AWWA Class F Flange
MJ = MJ Adapter End
PN10 = PN 10 Flange
PN16 = PN 16 Flange
PN25 = PN 25 Flange

Coating
(Blank) = *Black Alkyd Enamel Shop Coat
E = Epoxy

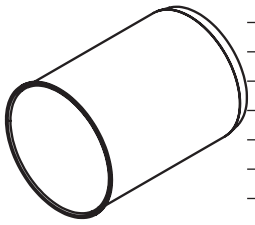
SPOOL _ -12PE-12D-L12-E

Size
3"-48" Plain End or Flanged End
3"-24" MJ End

Length
**6"-24"

* No coating if stainless steel material selected
** Contact factory for longer spools
Note: Contact customer service for pricing and availability.

STAINLESS STEEL INSERT STIFFENERS



Nom. Pipe Size (In.)	* Catalog Number	Length (In.)	Approx. Wt. Lbs.	List Price
3	**INSERT-3-xxx**	6-8	1.7	**$ 178.18**
4	**INSERT-4-xxx**		1.0	**212.05**
6	**INSERT-6-xxx**	7-3/8	2.1	**148.81**
8	**INSERT-8-xxx**		2.4	**162.37**
10	**INSERT-10-xxxx**		3.5	**175.68**
12	**INSERT-12-xxxx**		4.1	**191.44**
14	**INSERT-14-xxxx**		5.7	**227.30**
16	**INSERT-16-xxxx**		6.5	**240.15**
18	**INSERT-18-xxxx**		7.4	**260.15**
20	**INSERT-20-xxxx**		8.2	**269.72**
24	**INSERT-24-xxxx**		9.6	**307.00**
30	**INSERT-30-xxxx-14-L7**		20.4	**582.66**
36	**INSERT-36-xxxx-38-L7**		25.0	**622.37**

* When ordering, the pipe inside diameter is required. For example, when ordering for an 8" pipe with an I.D. of 7.305", the part number is INSERT-8-731.
Contact factory for sizes larger than 36" or high pressure applications.
Note: Add “-Q” for 316 stainless steel to the end of the part number

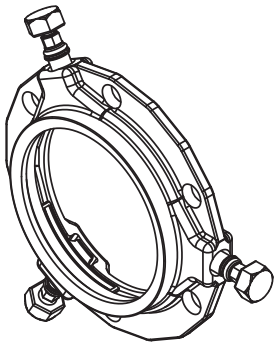
DOMESTIC PRICE BOOK

JANUARY 2023

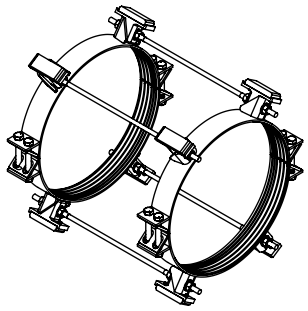
UNI-FLANGE®

THE FORD METER BOX COMPANY, INC.

P.O. Box 443, 775 Manchester Avenue
Wabash, Indiana, U.S.A. 46992-0443



PHONE: 260-563-3171
FAX: 800-826-3487
OVERSEAS FAX: 260-563-0167
www.fordmeterbox.com



UNI-FLANGE® - PIPE PRODUCTS

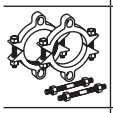
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FORD METER BOX

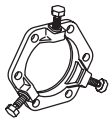
IMPORTANT: DOMESTIC PRODUCT COMPLIANCE NOTICE

The requirements for defining domestic product can vary among the many regulations, which have previously changed and can subsequently change. Please contact your Ford Customer Service Representative to clarify which Ford products currently meet a specific regulatory requirement (AIS, Buy America, Buy American, DOT, Etc).

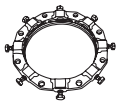
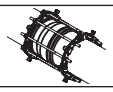
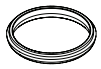
FORD / UNI-FLANGE PRODUCTS

Product	Product Style Identification	Application	Nom. Pipe Size	Page No.
	RFAP	Restrained Flange Adapter for C900 PVC Pipe	14"-36"	4
	RFAP	Restrained Flange Adapter for Steel/Steel Sized Pipe	14"-24"	4
	RFAD	Restrained Flange Adapter for Ductile Iron Pipe	14"-36"	4
	RCDD	Restrained Coupling for Ductile Iron Pipe	14"-36"	4
	RCDP	Restrained Coupling for Joining Ductile Iron Pipe to C900 PVC Pipe	14"-36"	5
	RCDP	Restrained Coupling for Joining Ductile Iron Pipe to Steel/Steel Sized Pipe	14"-24"	5
	RCPP	Restrained Coupling for C900 PVC Pipe	14"-36"	5
	RCPP	Restrained Coupling for Steel/Steel Sized Pipe	14"-24"	5
	RCPP	Restrained Coupling for C900 PVC Pipe by Steel/Steel Sized Pipe	14"-24"	5
	UFA400-C	High Pressure Flange Adapter for Ductile Iron Pipe	4"-12"	5
	UFR1300-S	Restraint for IPS PVC Pipe and MJ Fittings or other DI Fittings	4"-48"	6
	UFR1300-C	Restraint for AWWA C900 PVC Pipe, Ductile Iron Pipe and MJ Fittings or other DI Fittings	4"-48"	6
	UFR1300-SA	Restraint for IPS PVC Pipe and MJ Fittings or other DI Fittings With Accessories	4"-12"	6
	UFR1300-CA	Restraint for AWWA C900 PVC Pipe, Ductile Iron Pipe and MJ Fittings or other DI Fittings with Accessories	4"-12"	6
	UFR1300X-S	304 Stainless Steel Restraint for IPS PVC Pipe	4"-36"	6
	UFR1300Q-S	316 Stainless Steel Restraint for IPS PVC Pipe	4"-36"	6
	UFR1300X-C	304 Stainless Steel Restraint for AWWA C900 PVC Pipe	4"-36"	6
	UFR1300Q-C	316 Stainless Steel Restraint for AWWA C900 PVC Pipe	4"-36"	6
	UFR1300-P	Restraint for Sewer Pipe Applications	4"-36"	7
	UFR1300X-P	304 Stainless Steel Restraint for Sewer Pipe Applications	4"-12"	7
	UFR1300Q-P	316 Stainless Steel Restraint for Sewer Pipe Applications	4"-12"	7
	UFR1309-C	Restraint for C900 PVC, C909 PVC and C906 HDPE for Mechanical Joint / Push-on Fittings	4"-24"	7
	UFR1350-S	Bell Joint Harness for IPS PVC Pipe (*new installations only)*	14-24"	8
	UFR1350-C	Bell Joint Harness for AWWA C900 PVC Pipe (*new installations only)*	4"-24"	8
	UFR1355-C	Bell Joint Harness for C900 with Ductile Iron Pipe O.D. *(new or existing installations)*	4"-12"	8
	UFR1360-S	Restraint Harness for PVC Pipe and PVC Pressure Fitting Joints w/ IPS PVC Pipe O.D. *(new or existing installations)*	14"-36"	8
	UFR1360-C	Restraint Harness for PVC Pipe and PVC Pressure Fitting Joints w/ Ductile Iron Pipe O.D. *(new or existing installations)*	4"-48"	9

FORD / UNI-FLANGE PRODUCTS (CONTINUED)

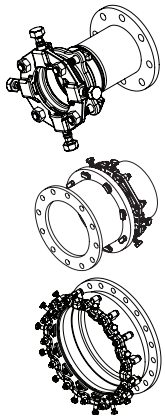
Product	Product Style Identification	Application	Nom. Pipe Size	Page No.
	UFR1369-C	Split Ring Restraint Harness for C909 PVCO to PVC Pressure Fittings *(new or existing installations)*	4"-16"	9
	UFR1390-S	Bell Joint Restraint Harness for IPS PVC Pipe *(new or existing installations)*	6"-48"	9
	UFR1390-C	Bell Joint Restraint Harness for AWWA C900 PVC Pipe	4"-48"	9
	UFR1390-C	Bell Joint Restraint Harness for Ductile Iron Pipe *(new or existing installations)*	4"-12"	9
	UFR1390-P	Bell Joint Restraint Harness for Sewer Pipe Applications	4"-36"	10
	UFR1390X-P	304 Stainless Steel Bell Joint Restraint Harness for Sewer Pipe Applications	4"-12"	10
	UFR1390Q-P	316 Stainless Steel Bell Joint Restraint Harness for Sewer Pipe Applications	4"-12"	10
	UFR1399-C	Split Restraint for C909 PVC Push-On Joints *(new or existing installations)*	4"-24"	10
	UFRCS1300	Casing Spacer for PVC Pipe Support and Casing Spacer for Ductile Iron Pipe Support	4"-30"	11
	UFRCS1300-P	Casing Spacer for Sewer Pipe Applications	18"-24"	11
	UFRCS1390	Restrained Casing Spacer for PVC Pipe Bell Support and Restrained Casing Spacer for Ductile Iron Pipe Bell Support	4"-30"	12
	UFRCS1390-P	Restrained Casing Spacer for Sewer Pipe Applications	18"-24"	12
	UFR1400-D	Wedge Action MJ Gland Joint Restraint for Ductile Iron Pipe	3"-48"	13
	UFR1400-DA	Wedge Action MJ Gland Joint Restraint for Ductile Iron Pipe with Accessory Set	3"-48"	14
	UFR1400-D-XL	Wedge Action MJ Restraint Gland Joint Restraint for Oversized (Class C and D) Gray Cast Iron Pipe	4"-12"	15
	UFR1400-DA-XL	Wedge Action MJ Gland with Accessory Set for Oversized (Class C and D) Gray Cast Iron Pipe	4"-12"	15
	UFR1400-ZA	Wedge Action MJ Gland Joint Restraint Packaged with SO-EZ Gasket and Accessories	3"-12"	16
	UFR1405-DA	Split Wedge Action Restraint Gland for Ductile Iron MJ Fittings	14"-36"	17
	UFR1450-D	Wedge Action Restraint Harness for Ductile Iron Pipe Bells *(new installations only)*	3"-48"	17
	UFR1455-D	Wedge Action Restraint Gland with Split Back-Up Ring for Ductile Iron Pipe Bells	14"-36"	18
	UFR1490-D	Split Wedge Action Restraint Gland with Split Back Up Ring for Ductile Iron Pipe Bells	14"-36"	18
	UFR1495	Mid-Span Split Ductile Iron Restraint	14"-36"	19

FORD / UNI-FLANGE PRODUCTS (CONTINUED)

Product	Product Style Identification	Application	Nom. Pipe Size	Page No.
	UFR2800-D	Restraints for High Pressure Applications on Ductile Iron Pipe	3"-36"	20
	UFR2800-DA	Restraints for High Pressure Applications with Accessory Set for Ductile Iron Pipe	3"-36"	20
	UFR2850-D	Bell Joint Restraints for High Pressure Applications on Ductile Iron Pipe	3"-36"	21
	UFR1500	MJ Restraint Gland for AWWA C900 PVC Pipe, IPS PVC Pipe and DR35 Sewer Pipe in 4"-12"	3"-36"	22
	UFR1500-CA	MJ Restraint Gland C900 PVC Pipe with Accessories	4"-48"	23
	UFR1500-SA	MJ Restraint Gland for ASTM D2241 IPS PVC with Accessories	3"-24"	24
	UFR1500-ZA	MJ Restraint Gland for AWWA C900 PVC Pipe or IPS PVC Pipe with SO-EZ Gasket and Accessories	4"-12"	25
	UFR1559	Restraint Harness for C909 PVC Push-On Joints *(new installations only)*	4"-16"	25
	SO-EZ Gasket	Snap-On Mechanical Joint Gasket (DI Pipe, C900, IPS, SDR35)	3"-12"	26
	TGA Transition Gasket	Transition Gaskets for Steel and Steel-Size Pipes	14"-24"	26
	MJAK	Mechanical Joint Accessory Kit	3"-48"	26
	M11	Welded Joint Harness	14"-60"	27

RESTRAINED FLANGE ADAPTER FOR CONVERTING PLAIN END PIPE TO A FLANGE CONNECTION

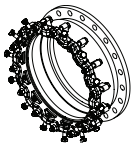
RFAP FOR PVC, STEEL OR SDR35 SEWER PIPE



Nom Pipe Size (In.)	Pipe O.D. (In.)	Catalog Number	Approx. Wt. Lbs.	List Price
3	3.50	**RFAP-3-E-U**	19	**$ 379.97**
4	4.21-4.80	**RFAP-4-E-U**	23	**506.60**
6	6.27-6.90	**RFAP-6-E-U**	32	**601.71**
8	8.90-9.05	**RFAP-8-E-U**	45	**857.30**
10	10.50-11.10	**RFAP-1110-D10E-U**	80	**1461.48**
12	12.50-13.20	**RFAP-1320-D12E-U**	100	**1639.71**
14	15.30	**RFAP-1530-D14R-U**	135	**2275.18**
16	17.40	**RFAP-1740-D16R-U**	170	**2672.14**
18	19.50	**RFAP-1950-D18R-U**	185	**3160.45**
20	21.60	**RFAP-2160-D20R-U**	215	**3702.27**
24	25.80	**RFAP-2580-D24R-U**	275	**7429.71**
30	32.00	**RFAP-3200-D30R-U**	550	**9620.56**
36	38.30	**RFAP-3830-D36R-U**	680	**P.O.A.**

Note: Reducing adapters available for 14"-36". Contact factory for details.

RFAP FOR STEEL, STEEL SIZED PVC OR STEEL SIZED HDPE PIPE



Nom Pipe Size (In.)	Steel/Steel Sized Pipe OD (In.)	Catalog Number	Approx. Wt. Lbs.	List Price
14**	14.00	**RFAP-1400ST-D14R-U**	140	**$ 2,581.64**
16	16.00	**RFAP-1600S-D16R-U**	205	**2,893.32**
18	18.00	**RFAP-1800S-D18R-U**	220	**3,573.60**
20	20.00	**RFAP-2000S-D20R-U**	255	**4,193.96**
24	24.00	**RFAP-2400S-D24R-U**	312	**9,106.67**

**14" for steel pipe only

RFAD FOR DUCTILE IRON PIPE

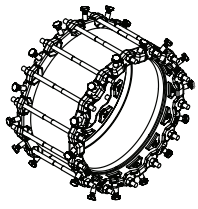


Nom Pipe Size (In.)	Pipe O.D. (Inches)	Catalog Number	Approx. Wt. Lbs.	List Price
3	3.96	**RFAD-3-E-U**	19	**$ 366.07**
4	4.80	**RFAD-4-E-U**	23	**454.15**
6	6.90	**RFAD-6-E-U**	32	**566.31**
8	9.05	**RFAD-8-E-U**	45	**817.92**
10	11.10	**RFAD-1110-D10E-U**	80	**1398.75**
12	13.20	**RFAD-1320-D12E-U**	100	**1620.89**
14	15.30	**RFAD-1530-D14R-U**	135	**$ 2102.31**
16	17.40	**RFAD-1740-D16R-U**	170	**2533.29**
18	19.50	**RFAD-1950-D18R-U**	185	**2853.22**
20	21.60	**RFAD-2160-D20R-U**	215	**3293.18**
24	25.80	**RFAD-2580-D24R-U**	275	**7401.57**
30	32.00	**RFAD-3200-D30R-U**	550	**9586.81**
36	38.30	**RFAD-3830-D36R-U**	680	**P.O.A.**

Note: Reducing adapters available for 14"-36". Contact factory for details.

RESTRAINED COUPLINGS

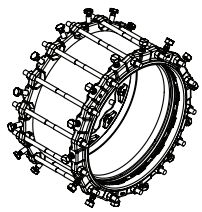
RCDD FOR DUCTILE IRON PIPE



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Rods		Approx. Wt. Lbs.	List Price
			Qty.	Size		
14"	15.30	**RCDD-14-U**	10	3/4" x 17"	179.7	**$ 2041.07**
16"	17.40	**RCDD-16-U**	12	3/4" x 17"	204.5	**2598.49**
18"	19.50	**RCDD-18-U**	12	3/4" x 17"	235.2	**3508.43**
20"	21.60	**RCDD-20-U**	14	3/4" x 17"	268.6	**3758.89**
24"	25.80	**RCDD-24-U**	16	3/4" x 17"	378.5	**5490.54**
30"	32.00	**RCDD-30-U**	20	1" x 20"	516.5	**6544.62**
36"	38.30	**RCDD-36-U**	24	1" x 20"	670.0	**10723.29**

For sizes 3"-12", see Section U of Imported Price Book

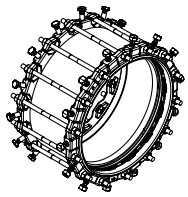
RCDP FOR JOINING DUCTILE IRON PIPE TO C900 PIPE



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Rods		Approx. Wt. Lbs.	List Price
			Qty.	Size		
14"	15.30	**RCDP-14-U**	10	3/4" x 17"	184.1	**$ 2168.33**
16"	17.40	**RCDP-16-U**	12	3/4" x 17"	217.2	**2711.78**
18"	19.50	**RCDP-18-U**	12	3/4" x 17"	278.9	**3567.39**
20"	21.60	**RCDP-20-U**	14	3/4" x 17"	290.0	**3883.68**
24"	25.80	**RCDP-24-U**	16	3/4" x 17"	368.1	**5613.15**
30"	32.00	**RCDP-30-U**	20	1" x 20"	601.5	**6752.20**
36"	38.30	**RCDP-36-U**	24	1" x 20"	605.0	**11041.74**

For sizes 3"-12", see Section U of Imported Price Book

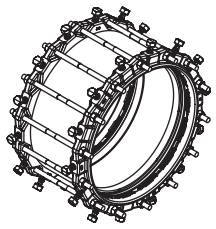
RCDP FOR JOINING DUCTILE IRON PIPE TO STEEL, STEEL SIZED PVC OR STEEL SIZED HDPE PIPE



Nom. Pipe Size (In.)	Catalog Number	D.I. Pipe OD (In.)	Steel/Steel Sized Pipe OD (In.)	Rods		Approx. Wt. Lbs.	List Price
				Qty	Size (In.)		
14**	**RCDP-1530-1400ST-R-U**	15.30	14.00	10	3/4 x 17	190	**$ 2274.32**
16	**RCDP-1740-1600S-R-U**	17.40	16.00	12	3/4 x 17	215	**2930.45**
18	**RCDP-1950-1800S-R-U**	19.50	18.00	12	3/4 x 17	255	**3237.45**
20	**RCDP-2160-2000S-R-U**	21.60	20.00	14	3/4 x 17	290	**4122.60**
24	**RCDP-2580-2400S-R-U**	25.80	24.00	16	3/4 x 17	372	**5955.82**

**14" for steel pipe only

RCPP FOR C900 PVC PIPE

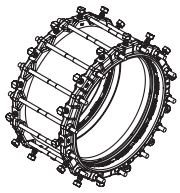


Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Rods		Approx. Wt. Lbs.	List Price
			Qty.	Size		
14"	15.30	**RCPP-14-U**	10	3/4" x 17"	188.6	**$ 2295.53**
16"	17.40	**RCPP-16-U**	12	3/4" x 17"	229.9	**2825.05**
18"	19.50	**RCPP-18-U**	12	3/4" x 17"	260.6	**3626.28**
20"	21.60	**RCPP-20-U**	14	3/4" x 17"	310.7	**4008.48**
24"	25.80	**RCPP-24-U**	16	3/4" x 17"	352.7	**5735.76**
30"	32.00	**RCPP-30-U**	20	1" x 20"	517.7	**7161.39**
36"	38.30	**RCPP-36-U**	24	1" x 20"	545.0	**11360.19**

For sizes 3"-12", see Section U of Imported Price Book

Note: Reducing adapters available. Contact factory for details.

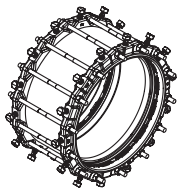
RCPP FOR STEEL, STEEL SIZED PVC OR STEEL SIZED HDPE PIPE BY STEEL, STEEL SIZED PVC OR STEEL SIZED HDPE PIPE



Nom. Pipe Size	Catalog Number	Pipe OD (In.)	Rods		Approx. Wt. Lbs.	List Price
			Qty	Size		
14**	**RCPP-1400ST-1400ST-R-U**	14.00	10	3/4 X 17	190	**$ 2439.75**
16	**RCPP-1600S-1600S-R-U**	16.00	12	3/4 X 17	240	**3536.89**
18	**RCPP-1800S-1800S-R-U**	18.00	12	3/4 X 17	280	**3701.89**
20	**RCPP-2000S-2000S-R-U**	20.00	14	3/4 X 17	320	**4183.25**
24	**RCPP-2400S-2400S-R-U**	24.00	16	3/4 X 17	424	**6107.68**

**14" for steel pipe only

RCPP FOR C900, IPS PVC, C909 OR *SDR35 SEWER PIPE BY STEEL, STEEL SIZED PVC OR STEEL SIZED HDPE PIPE



Nom Pipe Size (In.)	Catalog Number	Pipe OD (In.)	Rods		Approx. Wt. Lbs.	List Price
			Qty	Size		
14**	**RCPP-1530-1400ST-R-U**	14.00	10	3/4 x 17	190	**$ 2399.75**
16	**RCPP-1740-1600S-R-U**	16.00	12	3/4 x 17	240	**3309.96**
18	**RCPP-1950-1800S-R-U**	18.00	12	3/4 x 17	280	**3419.96**
20	**RCPP-2160-2000S-R-U**	20.00	14	3/4 x 17	320	**3933.77**
24	**RCPP-2580-2400S-R-U**	24.00	16	3/4 x 17	424	**5422.51**

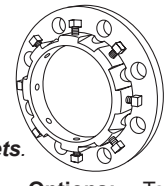
**14" for steel pipe only

*SDR35 sewer applications require NBR (Buna-N) gasket, add "-N" to the end of catalog number

UNI-FLANGE ADAPTER FLANGES

SERIES 400 ADAPTER FLANGE FOR DUCTILE IRON PIPE FLANGE DRILLING ANSI B16.1 125 LB. / ANSI B16.5 150 LB.

WORKING PRESSURE - 4" - 12" ***250 PSI***



Uni-Flange ***adapters*** *are supplied with* ***SBR gaskets****.*

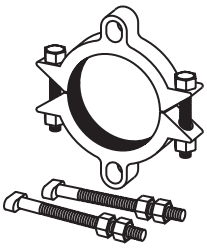
Nom. Pipe Size	Ductile Iron Pipe		Approx. Weight Lbs.	List Price
	Pipe O.D. (Inches)	Catalog Number		
4"	4.80	**UFA400-C-4-U**	13.1	**$ 137.08**
6"	6.90	**UFA400-C-6-U**	17.1	**172.76**
8"	9.05	**UFA400-C-8-U**	23.6	**189.71**
10"	11.10	**UFA400-C-10-U**	33.5	**356.11**
12"	13.20	**UFA400-C-12-U**	46.7	**457.09**

Options: To order with Uni-Torque set screws insert "-UT" in the catalog number. Example: UFA400-C-4-UT-U
To order with Uni-Torque set screws and EPDM gasket insert "-UT-EPDM" in the catalog number. Example: UFA400-C-4-UT-EPDM-U
To order as AIS compliant, replace "-U" with "-U100". Please contact factory for pricing.

Note: Uni-Torque screws are not available for "-U100" part numbers.

UNI-FLANGE RESTRAINTS

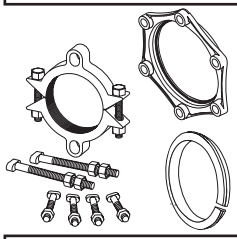
SERIES 1300 RESTRAINTS FOR PVC AND DUCTILE IRON PIPE



Nom. Pipe Size	PVC Pipe with Steel Pipe O.D.				PVC Pipe with Ductile Iron Pipe O.D.			
	Pipe O.D. (Inches)	Catalog Number	Pallet Qty.	List Price	Pipe O.D. (Inches)	Catalog Number	Pallet Qty.	List Price
4"	4.50	**UFR1300-S-4-U**	32	**$ 102.10**	4.80	**UFR1300-C-4-U**	32	**$ 73.73**
6"	6.63	**UFR1300-S-6-U**	32	**116.62**	6.90	**UFR1300-C-6-U**	32	**87.83**
8"	8.63	**UFR1300-S-8-U**	32	**125.32**	9.05	**UFR1300-C-8-U**	32	**158.62**
10"	10.75	**UFR1300-S-10-U**	32	**270.05**	11.10	**UFR1300-C-10-U**	32	**246.60**
12"	12.75	**UFR1300-S-12-U**	32	**283.67**	13.20	**UFR1300-C-12-U**	32	**263.26**
14"	14.00	* **UFR1300-S-14-U**	9	**1003.81**	15.30	**UFR1300-C-14-U**	9	**561.37**
16"	16.00	* **UFR1300-S-16-U**	9	**1065.75**	17.40	**UFR1300-C-16-U**	9	**620.11**
18"	18.00	* **UFR1300-S-18-U**	7	**1238.24**	19.50	**UFR1300-C-18-U**	7	**867.41**
20"	20.00	* **UFR1300-S-20-U**	7	**1502.10**	21.60	**UFR1300-C-20-U**	7	**1190.14**
24"	24.00	* **UFR1300-S-24-U**	7	**1757.73**	25.80	**UFR1300-C-24-U**	7	**1463.42**
30"	30.00	**UFR1300-S-30-U**	4	**2376.94**	32.00	**UFR1300-C-30-U**	4	**2376.96**
36"	36.00	**UFR1300-S-36-U**	4	**2852.33**	38.30	**UFR1300-C-36-U**	4	**2852.33**
42"	42.00	**UFR1300-S-42-U**	-	**P.O.A.**	44.50	**UFR1300-C-42-U**	-	**P.O.A.**
48"	48.00	**UFR1300-S-48-U**	-	**P.O.A.**	50.80	**UFR1300-C-48-U**	-	**P.O.A.**

Note: 4" through 12" sizes are shipped individually packaged and shrink-wrapped. 14" through 48" items are non-returnable and may be subject to a cancellation fee.
Series 1300-C restrainers are also recommended for use on ductile iron pipe in 4" through 16" sizes. See catalog for installation and pressure capabilities.
* Transition gasket for steel sized PVC available.

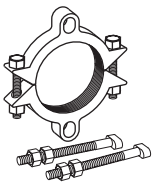
SERIES 1300 RESTRAINTS PACKAGED WITH ACCESSORIES

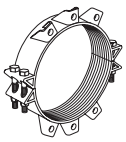


Nom. Pipe Size	PVC Pipe with Ductile Iron Pipe O.D.				PVC Pipe with Steel Pipe O.D.			
	Pipe O.D. (Inches)	Catalog Number	Pallet Qty.	List Price	Pipe O.D. (Inches)	Catalog Number	Pallet Qty.	List Price
4"	4.80	**UFR1300-CA-4-U**	32	**$ 105.45**	4.50	**UFR1300-SA-4-U**	32	**$ 110.76**
6"	6.90	**UFR1300-CA-6-U**	32	**174.58**	6.63	**UFR1300-SA-6-U**	32	**144.98**
8"	9.05	**UFR1300-CA-8-U**	32	**226.11**	8.63	**UFR1300-SA-8-U**	32	**184.73**
10"	11.10	**UFR1300-CA-10-U**	32	**333.60**	10.75	**UFR1300-SA-10-U**	32	**351.28**
12"	13.20	**UFR1300-CA-12-U**	32	**351.70**	12.75	**UFR1300-SA-12-U**	32	**373.73**

STAINLESS STEEL SERIES 1300 RESTRAINTS FOR IPS CLASS 200 PVC PIPE

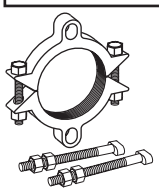
(4"-12" FOR STAINLESS STEEL PIPE)

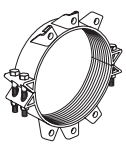




Nom. Pipe Size (In.)	PVC PIPE WITH STEEL PIPE O.D.					
	Pipe OD (In.)	Pallet Qty.	Catalog Number 304 Stainless Steel	List Price	Catalog Number 316 Stainless Steel	List Price
4	4.50	32	**UFR1300X-S-4-U**	**$ 356.89**	**UFR1300Q-S-4-U**	**$ 420.26**
6	6.63	32	**UFR1300X-S-6-U**	**386.73**	**UFR1300Q-S-6-U**	**463.88**
8	8.63	32	**UFR1300X-S-8-U**	**464.82**	**UFR1300Q-S-8-U**	**557.18**
10	10.75	32	**UFR1300X-S-10-U**	**660.78**	**UFR1300Q-S-10-U**	**813.36**
12	12.75	32	**UFR1300X-S-12-U**	**696.92**	**UFR1300Q-S-12-U**	**876.39**
14	14.00	9	**UFR1300X-S-14-U**	**1753.85**	**UFR1300Q-S-14-U**	**2387.75**
16	16.00	9	**UFR1300X-S-16-U**	**1898.24**	**UFR1300Q-S-16-U**	**2729.50**
18	18.00	7	**UFR1300X-S-18-U**	**2287.79**	**UFR1300Q-S-18-U**	**3802.37**
20	20.00	7	**UFR1300X-S-20-U**	**2753.63**	**UFR1300Q-S-20-U**	**3989.82**
24	24.00	7	**UFR1300X-S-24-U**	**3172.30**	**UFR1300Q-S-24-U**	**4574.08**
30	30.00	4	**UFR1300X-S-30-U**	**8769.33**	**UFR1300Q-S-30-U**	**10358.80**
36	36.00	4	**UFR1300X-S-36-U**	**9454.03**	**UFR1300Q-S-36-U**	**10461.22**

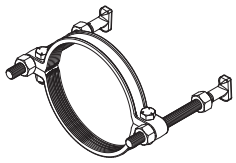
STAINLESS STEEL SERIES 1300 RESTRAINTS FOR AWWA C900 PVC PIPE



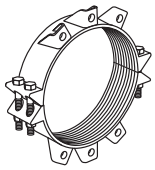


Nom. Pipe Size (In.)	PVC PIPE WITH DUCTILE IRON PIPE O.D.					
	Pipe OD (In.)	Pallet Qty.	Catalog Number 304 Stainless Steel	List Price	Catalog Number 316 Stainless Steel	List Price
4	4.80	32	**UFR1300X-C-4-U**	**$ 348.73**	**UFR1300Q-C-4-U**	**$ 408.25**
6	6.90	32	**UFR1300X-C-6-U**	**378.57**	**UFR1300Q-C-6-U**	**451.95**
8	9.05	32	**UFR1300X-C-8-U**	**461.56**	**UFR1300Q-C-8-U**	**552.41**
10	11.10	32	**UFR1300X-C-10-U**	**640.27**	**UFR1300Q-C-10-U**	**783.36**
12	13.20	32	**UFR1300X-C-12-U**	**678.50**	**UFR1300Q-C-12-U**	**839.26**
14	15.30	9	**UFR1300X-C-14-U**	**1609.56**	**UFR1300Q-C-14-U**	**1939.86**
16	17.40	9	**UFR1300X-C-16-U**	**1813.34**	**UFR1300Q-C-16-U**	**2465.38**
18	19.50	7	**UFR1300X-C-18-U**	**2213.15**	**UFR1300Q-C-18-U**	**3495.65**
20	21.60	7	**UFR1300X-C-20-U**	**2300.45**	**UFR1300Q-C-20-U**	**3728.01**
24	25.80	7	**UFR1300X-C-24-U**	**2899.94**	**UFR1300Q-C-24-U**	**4229.70**
30	32.00	4	**UFR1300X-C-30-U**	**8470.71**	**UFR1300Q-C-30-U**	**9733.46**
36	38.30	4	**UFR1300X-C-36-U**	**9220.87**	**UFR1300Q-C-36-U**	**10242.90**

SERIES 1300-P RESTRAINTS FOR SEWER PIPE



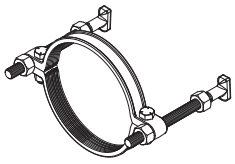
Nom. Pipe Size (In.)	Sewer Pipe Style 1300-P		Restraint Bolts		Clamping Bolts		Approx. Wt. Lbs.	List Price
	O.D. (In.)	Catalog Number	No.	Size (In.)	No.	Size (In.)		
4	4.22	**UFR1300-P-4-U**	2	3/4 x 7	2	1/2 x 2-1/4	4.9	**$ 101.55**
6	6.28	**UFR1300-P-6-U**	2	3/4 x 7	2	1/2 x 2-1/4	5.3	**132.66**
8	8.40	**UFR1300-P-8-U**	2	3/4 x 7	2	1/2 x 2-1/4	5.7	**140.22**
10	10.50	**UFR1300-P-10-U**	2	3/4 x 7	2	1/2 x 2-1/4	7.2	**171.24**
12	12.50	**UFR1300-P-12-U**	2	3/4 x 7	2	1/2 x 2-1/4	8.0	**197.10**



Nom. Pipe Size	Sewer Pipe Style 1300-P		Restraint Rods		Clamping Bolts		BC Min.	BC Max.	Approx. Wt. Lbs.	List Price
	O.D. (In.)	Catalog Number	No.	Size	No.	Size				
15"	15.30	**UFR1300-P-15-U**	4	3/4"x17"	4	7/8"x5"	18.50	20.50	56.0	**$ 830.70**
18"	18.70	**UFR1300-P-18-U**	4	3/4"x17"	4	7/8"x7"	21.88	23.88	62.0	**842.86**
21"	22.05	**UFR1300-P-21-U**	4	3/4"x24"	4	7/8"x7"	24.56	26.56	68.4	**899.94**
24"	24.80	**UFR1300-P-24-U**	4	3/4"x24"	4	7/8"x7"	27.94	29.94	76.2	**961.61**
27"	27.95	**UFR1300-P-27-U**	4	3/4"x24"	4	7/8"x7"	31.09	33.09	86.8	**1025.64**
30"	32.00	***UFR1300-P-30-xxxx-U**	4	1"x24"	6	1-1/8"x9"	36.18	38.18	160.0	**1703.96**
36"	38.30	***UFR1300-P-36-xxxx-U**	4	1"x24"	6	1-1/8"x9"	42.50	45.50	270.0	**2343.32**

The outside diameter of the pipe must be provided. Contact factory for details.
For imported sizes 4"-15", see Section U of Imported Price Book

STAINLESS STEEL SERIES 1300-P RESTRAINTS FOR SEWER PIPE

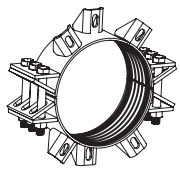


Nom. Pipe Size (In.)	Sewer Pipe Style 1300X-P 304 Stainless Steel					Approx. Wt. Lbs..
	O.D. (In.)	Catalog Number	List Price	Catalog Number	List Price	
4	4.22	**UFR1300X-P-4-U**	**$255.08**	**UFR1300X-P-4-U100**	**$575.65**	4.9
6	6.28	**UFR1300X-P-6-U**	**278.33**	**UFR1300X-P-6-U100**	**597.18**	5.3
8	8.40	**UFR1300X-P-8-U**	**304.34**	**UFR1300X-P-8-U100**	**659.04**	5.7
10	10.50	**UFR1300X-P-10-U**	**497.11**	**UFR1300X-P-10-U100**	**821.07**	8.6
12	12.50	**UFR1300X-P-12-U**	**544.71**	**UFR1300X-P-12-U100**	**720.05**	9.8

Nom. Pipe Size (In.)	Sewer Pipe Style 1300Q-P 316 Stainless Steel					Approx. Wt. Lbs..
	O.D. (In.)	Catalog Number	List Price	Catalog Number	List Price	
4	4.22	**UFR1300Q-P-4-U**	**$356.05**	**UFR1300Q-P-4-U100**	**$647.81**	4.9
6	6.28	**UFR1300Q-P-6-U**	**394.07**	**UFR1300Q-P-6-U100**	**685.83**	5.3
8	8.40	**UFR1300Q-P-8-U**	**439.88**	**UFR1300Q-P-8-U100**	**731.70**	5.7
10	10.50	**UFR1300Q-P-10-U**	**734.88**	**UFR1300Q-P-10-U100**	**1,026.65**	8.6
12	12.50	**UFR1300Q-P-12-U**	**827.51**	**UFR1300Q-P-12-U100**	**1,194.09**	9.8

SERIES 1309-C RESTRAINT FOR C900 PVC, C909 PVC AND C906 HDPE FOR MECHANICAL JOINT/PUSH-ON FITTINGS

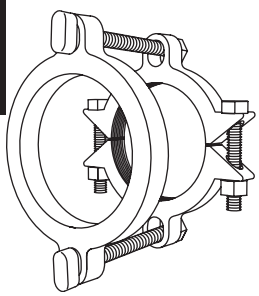
(U.S. PATENT NO. 10,837,584)



Nom. Pipe Size	PVC Pipe with Ductile Iron Pipe O.D. Style 1309-C		Restraining Bolts		Clamping Bolts		BC Min.	BC Max.	Approx. Wt. Lbs.	List Price
	O.D. (Inches)	Catalog No	No.	Size	No.	Size				
4"	4.80	**UFR1309-C-4-U**	2	3/4"x9"	2	5/8"x2-1/2"	7.50"	7.50"	11.3	**$ 120.01**
6"	6.90	**UFR1309-C-6-U**	2	3/4"x9"	2	5/8"x2-1/2"	9.50"	9.50"	14.22	**125.29**
8"	9.05	**UFR1309-C-8-U**	2	3/4"x9"	2	5/8"x3"	11.75"	14.85"	19.62	**214.24**
10"	11.10	**UFR1309-C-10-U**	4	3/4"x9"	2	7/8"x7"	14.53"	16.53"	48.7	**690.47**
12"	13.20	**UFR1309-C-12-U**	4	3/4"x9"	2	7/8"x7"	16.63"	18.63"	52.42	**791.42**
14"	15.30	**UFR1309-C-14-U**	6	3/4"x17"	6	1-1/8"x9"	18.44"	20.44"	113.2	**1126.43**
16"	17.40	**UFR1309-C-16-U**	6	3/4"x17"	6	1-1/8"x9"	20.56"	22.56"	119.74	**1164.77**
18"	19.50	**UFR1309-C-18-U**	8	3/4"x17"	6	1-1/8"x9"	22.63"	24.63"	131.23	**1299.89**
20"	21.60	**UFR1309-C-20-U**	8	3/4"x24"	6	1-1/8"x9"	24.73"	26.73"	144.21	**1406.28**
24"	25.80	**UFR1309-C-24-U**	12	3/4"x24"	6	1-1/8"x9"	29.06"	31.06"	185.17	**1561.28**

SERIES 1350 RESTRAINTS FOR C900 PVC PIPE

FOR RESTRAINING BELL JOINTS OF PVC PIPE (new installations only)



Nom. Pipe Size	PVC Pipe with Steel Pipe O.D.				PVC Pipe with Ductile Iron Pipe O.D.			
	Pipe O.D. (Inches)	Catalog Number	Pallet Qty.	List Price	Pipe O.D. (Inches)	Catalog Number	Pallet Qty.	List Price
4"	–	–	–	–	4.80	**UFR1350-C-4-U**	32	**$ 106.60**
6"	–	–	–	–	6.90	**UFR1350-C-6-U**	40	**136.92**
8"	–	–	–	–	9.05	**UFR1350-C-8-U**	40	**213.84**
10"	–	–	–	–	11.10	**UFR1350-C-10-U**	40	**380.18**
12"	–	–	–	–	13.20	**UFR1350-C-12-U**	40	**434.79**
14"	14.00	**UFR1350-S-14-U**	–	**$ 1545.83**	15.30	**UFR1350-C-14-U**	–	**928.62**
16"	16.00	**UFR1350-S-16-U**	–	**1753.71**	17.40	**UFR1350-C-16-U**	–	**1044.36**
18"	18.00	**UFR1350-S-18-U**	–	**1845.33**	19.50	**UFR1350-C-18-U**	–	**1477.89**
20"	20.00	**UFR1350-S-20-U**	–	**2146.90**	21.60	**UFR1350-C-20-U**	–	**1636.73**
24"	24.00	**UFR1350-S-24-U**	–	**2723.68**	25.80	**UFR1350-C-24-U**	–	**2082.30**
30"	**Contact Factory**				32.00	**UFR1350-C-30-U**	–	**P.O.A.**
36"	**Contact Factory**				38.30	**UFR1350-C-36-U**	–	**P.O.A.**

Note: For DR18, please contact factory for more information.

Note: 14" through 24" items are non-returnable and may be subject to a cancellation fee.

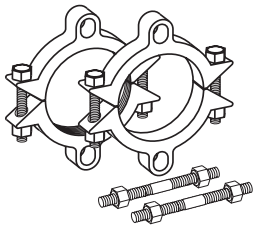
Note: Stainless steel is available in sizes 4" - 36". Contact factory for details.

Series 1350 is **not** recommended for use on AWWA C900 DR 14 PVC pipe, 4" through 12" sizes. Use Series 1390 for C900 DR 14 PVC pipe.

For sizes 4"-12" (PVC Pipe with steel O.D.), see Section U of Imported Price Book

SERIES 1355-C RESTRAINTS FOR C900 WITH DUCTILE IRON PIPE O.D.

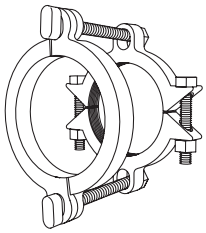
(for new or existing installations)



Nom. Pipe Size	PVC Pipe with DI Pipe O.D. Style 1355-C		Pallet Qty.	List Price
	O.D. (Inches)	Catalog No.		
4"	4.80	**UFR1355-C-4-U**	–	**$ 87.83**
6"	6.90	**UFR1355-C-6-U**	–	**120.98**
8"	9.05	**UFR1355-C-8-U**	–	**196.21**
10"	11.10	**UFR1355-C-10-U**	–	**342.05**
12"	13.20	**UFR1355-C-12-U**	–	**374.24**

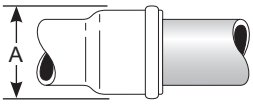
SERIES 1360 RESTRAINTS FOR PVC PIPE

FOR RESTRAINING PVC PIPE TO C907 PVC PRESSURE FITTING JOINTS



Nom. Pipe Size (In.)	PVC Pipe with Steel Pipe O.D.				PVC Pipe with Ductile Iron Pipe O.D.			
	Pipe O.D. (Inches)	Catalog Number	Pallet Qty.	List Price	Pipe O.D.	Catalog Number	Pallet Qty.	List Price
4	–	–	–	–	4.80	**UFR1360-C-4-U**	32	**$ 127.95**
6	–	–	–	–	6.90	**UFR1360-C-6-U**	40	**160.96**
8	–	–	–	–	9.05	**UFR1360-C-8-U**	40	**281.02**
10	–	–	–	–	11.10	**†UFR1360-C-10-U**	20	**455.54**
12	–	–	–	–	13.20	**†UFR1360-C-12-U**	20	**505.59**
14	14.00	***UFR1360-S-14-xxxx-U**	–	**$ 1911.93**	15.30	***UFR1360-C-14-xxxx-U**	–	**1308.11**
16	16.00	***UFR1360-S-16-xxxx-U**	–	**1976.31**	17.40	***UFR1360-C-16-xxxx-U**	–	**1388.01**
18	18.00	***UFR1360-S-18-xxxx-U**	–	**2337.18**	19.50	***UFR1360-C-18-xxxx-U**	–	**1579.27**
20	20.00	***UFR1360-S-20-xxxx-U**	–	**2864.88**	21.60	***UFR1360-C-20-xxxx-U**	–	**2167.05**
24	24.00	***UFR1360-S-24-xxxx-U**	–	**2960.90**	25.80	***UFR1360-C-24-xxxx-U**	–	**2779.21**
30	30.00	***UFR1360-S-30-xxxx-U**	–	**5057.58**	32.00	***UFR1360-C-30-xxxx-U**	–	**4638.30**
36	36.00	***UFR1360-S-36-xxxx-U**	–	**5455.40**	38.30	***UFR1360-C-36-xxxx-U**	–	**6126.06**
42	–	–	–	–	44.50	***UFR1360-C-42-xxxx-U**	–	**P.O.A.**
48	–	–	–	–	50.80	***UFR1360-C-48-xxxx-U**	–	**P.O.A.**

***** The bell run outside diameter must be provided. See drawing at left.



A = Bell Run O.D.

Note: Split back-up rings (Patent 8,096,591) for series 1360 restrainers are specially built to the specific dimension of the PVC fitting bell.

8" x 6" and 8" x 4" IPEX tees require larger back-up rings to fit the branch. Add “-MODT" to the catalog number. Example: UFR1360-C-4-MODT-U

14" through 48" items are non-returnable and may be subject to a cancellation fee.

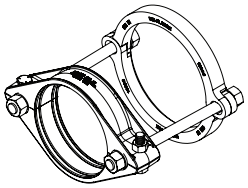
For sizes 4"-12" (PVC Pipe with steel O.D.), see Section U of Imported Price Book

Note: Stainless steel is available in sizes 4" - 36". Contact factory for details.

SERIES 1369 RESTRAINTS FOR C909 PIPE

FOR RESTRAINING PVCO PIPE TO C907 PRESSURE FITTING JOINTS

(U.S. PATENT NO. 10,837,584)

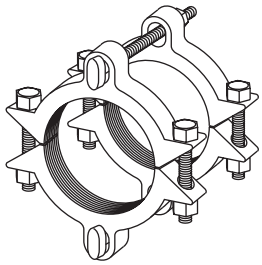


Nom. Pipe Size (In.)	Pipe O.D. (In.)	Catalog Number	Connection Rods Number and Size (In.)	Approx. Wt. Lbs.	List Price
4	4.80	**UFR1369-C-4-U**	(2) 3/4 x 12	16.4	**$ 165.19**
6	6.90	**UFR1369-C-6-U**	(2) 3/4 x 12	21.91	**200.06**
8	9.05	**UFR1369-C-8-U**	(2) 3/4 x 12	32.4	**302.13**
10	11.10	**†UFR1369-C-10-U**	(4) 3/4 x 17	58.1	**903.46**
12	13.20	**†UFR1369-C-12-U**	(4) 3/4 x 17	64.52	**1121.70**
14	15.30	***UFR1369-C-14-xxxx-U**	(6) 3/4 x 24	129.48	**2314.59**
16	17.40	***UFR1369-C-16-xxxx-U**	(6) 3/4 x 30	135.23	**2422.53**

* The bell run outside diameter must be provided.

SERIES 1390 RESTRAINTS FOR PVC AND DUCTILE IRON PIPE*

FOR RESTRAINING BELL JOINTS OF PVC PIPE OR DUCTILE IRON PIPE



Nom. Pipe Size	PVC Pipe with Steel Pipe O.D.				PVC Pipe with Ductile Iron Pipe O.D.			
	Pipe O.D. (Inches)	Catalog Number	Pallet Qty.	List Price	Pipe O.D. (Inches)	Catalog Number	Pallet Qty.	List Price
4"	4.50	**UFR1390-S-4-U**	32	**$ 196.69**	4.80	**UFR1390-C-4-U**	32	**$ 104.25**
6"	6.63	**UFR1390-S-6-U**	40	**209.43**	6.90	**UFR1390-C-6-U**	40	**139.10**
8"	8.63	**UFR1390-S-8-U**	40	**221.39**	9.05	**UFR1390-C-8-U**	40	**210.52**
10"	10.75	**UFR1390-S-10-U**	40	**516.74**	11.10	**UFR1390-C-10-U**	40	**364.26**
12"	12.75	**UFR1390-S-12-U**	40	**548.56**	13.20	**UFR1390-C-12-U**	40	**419.75**
14"	14.00	**UFR1390-S-14-U**	9	**1946.46**	15.30	**UFR1390-C-14-U**	9	**944.07**
16"	16.00	**UFR1390-S-16-U**	9	**2070.49**	17.40	**UFR1390-C-16-U**	9	**1096.88**
18"	18.00	**UFR1390-S-18-U**	7	**2398.94**	19.50	**UFR1390-C-18-U**	7	**1509.08**
20"	20.00	**UFR1390-S-20-U**	7	**2814.27**	21.60	**UFR1390-C-20-U**	7	**1741.29**
24"	24.00	**UFR1390-S-24-U**	7	**3264.98**	25.80	**UFR1390-C-24-U**	7	**2199.19**
30"	30.00	**UFR1390-S-30-U**	2	**4791.43**	32.00	**UFR1390-C-30-U**	2	**3942.58**
36"	36.00	**UFR1390-S-36-U**	2	**5207.11**	38.30	**UFR1390-C-36-U**	2	**5207.11**
42"	42.00	**UFR1390-S-42-U**	-	**P.O.A.**	44.50	**UFR1390-C-42-U**	-	**P.O.A.**
48"	48.00	**UFR1390-S-48-U**	-	**P.O.A.**	40.80	**UFR1390-C-48-U**	-	**P.O.A.**

*** Note:** Series 1390-C restrainers are also recommended for use on ductile iron pipe in 4" through 16" sizes. See catalog for installation and pressure capabilities.

4" through 12" sizes are shipped individually packaged with hardware and shrink-wrapped.

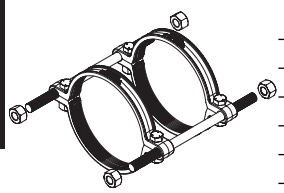
14" through 48" items are non-returnable and may be subject to a cancellation fee.

1390's can be used with FC1 (2" through 12") if rods are positioned to avoid coupling bolts. Not compatible with all FC2A's.

Note: For DR18, please contact factory for more information.

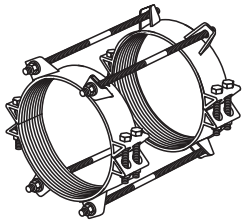
Note: Stainless steel is available in sizes 4" - 36". Contact factory for details.

SERIES 1390-P RESTRAINTS FOR SEWER PIPE



Nom. Pipe Size (In.)	Sewer Pipe Style 1390-P		Restraint Rods		Clamping Bolts		Approx. Wt. Lbs.	List Price
	O.D. (In.)	Catalog Number	No.	Size (In.)	No.	Size (In.)		
4	4.22	**UFR1390-P-4-U**	2	3/4 x 7	2	1/2 x 2-1/4	8.2	**$ 194.45**
6	6.28	**UFR1390-P-6-U**	2	3/4 x 7	2	1/2 x 2-1/4	9.0	**212.56**
8	8.40	**UFR1390-P-8-U**	2	3/4 x 7	2	1/2 x 2-1/4	10.1	**241.78**
10	10.50	**UFR1390-P-10-U**	2	3/4 x 7	2	1/2 x 2-1/4	12.9	**363.33**
12	12.50	**UFR1390-P-12-U**	2	3/4 x 7	2	1/2 x 2-1/4	14.5	**385.31**

* The outside diameter of the pipe must be provided. Contact factory for details.

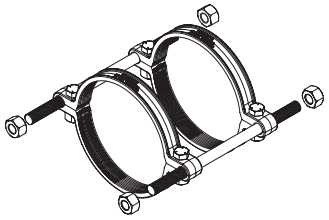


Nom. Pipe Size (In.)	Sewer Pipe Style 1300-P		Restraint Bolts / Rods		Clamping Bolts		Approx. Wt. Lbs.	List Price
	O.D. (In.)	Catalog Number	No.	Size (In.)	No.	Size (In.)		
15	15.30	**UFR1390-P-15-U**	4	3/4x30	8	7/8x7	118.0	**$ 1607.58**
18	18.70	**UFR1390-P-18-U**	4	3/4x30	8	7/8x7	118.0	**1627.92**
21	22.05	**UFR1390-P-21-U**	4	3/4x36	8	7/8x7	126.0	**1702.39**
24	24.80	**UFR1390-P-24-U**	4	3/4x36	8	7/8x7	142.0	**1840.49**
27	27.95	**UFR1390-P-27-U**	4	3/4x36	8	7/8x7	163.0	**2150.30**
30	32.00	***UFR1390-P-30-xxxx-U**	4	1x48	12	1-1/8x9	344.0	**3025.88**
36	38.30	***UFR1390-P-36-xxxx-U**	4	1x48	12	1-1/8x9	641.0	**4469.52**

* The outside diameter of the pipe must be provided. Contact factory for details.

† Patent 8,096,591

STAINLESS STEEL SERIES 1390-P RESTRAINTS FOR SEWER PIPE



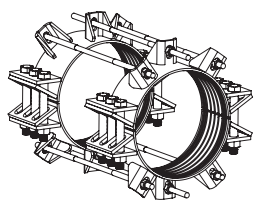
Nom. Pipe Size (In.)	Sewer Pipe Style 1390X-P 304 Stainless Steel					Approx. Wt. Lbs.
	O.D. (IN.)	Catalog Number	List Price	Catalog Number	List Price	
4	4.22	**UFR1390X-P-4-U**	**$ 521.54**	**UFR1390X-P-4-U100**	**$ 1,048.58**	4.9
6	6.28	**UFR1390X-P-6-U**	**567.69**	**UFR1390X-P-6-U100**	**1,095.29**	5.3
8	8.40	**UFR1390X-P-8-U**	**620.72**	**UFR1390X-P-8-U100**	**1,147.78**	5.7
10	10.50	**UFR1390X-P-10-U**	**1,139.28**	**UFR1390X-P-10-U100**	**1,629.99**	8.6
12	12.50	**UFR1390X-P-12-U**	**1,279.16**	**UFR1390X-P-12-U100**	**1,736.49**	9.8

Nom. Pipe Size (In.)	Sewer Pipe Style 1390Q-P 316 Stainless Steel					Approx. Wt. Lbs.
	O.D. (IN.)	Catalog Number	List Price	Catalog Number	List Price	
4	4.22	**UFR1390Q-P-4-U**	**$ 794.38**	**UFR1390Q-P-4-U100**	**$ 1,233.53**	4.9
6	6.28	**UFR1390Q-P-6-U**	**875.71**	**UFR1390Q-P-6-U100**	**1,319.18**	5.3
8	8.40	**UFR1390Q-P-8-U**	**973.60**	**UFR1390Q-P-8-U100**	**1,416.11**	5.7
10	10.50	**UFR1390Q-P-10-U**	**1,661.01**	**UFR1390Q-P-10-U100**	**2,116.15**	8.6
12	12.50	**UFR1390Q-P-12-U**	**1,865.04**	**UFR1390Q-P-12-U100**	**2,321.36**	9.8

SERIES 1399 RESTRAINT FOR C900 AND C909 PIPE

FOR RESTRAINING C909 PVCO PUSH-ON JOINTS (for new or existing installations)

(U.S. PATENT NO. 10,837,584)

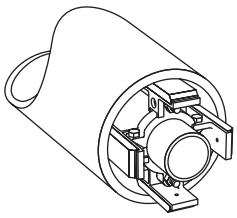


Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Pressure Rating (PSI)	No. of Rods	Rod Length	Rod Dia.	*Max Bell Dia.	Approx. Wt. Lbs.	List Price
4"	4.80	**UFR1399-C-4-U**	235	2	17"	3/4"	6.63"	21.81	**$ 222.49**
6"	6.90	**UFR1399-C-6-U**	235	2	17"	3/4"	8.63"	27.30	**234.48**
8"	9.05	**UFR1399-C-8-U**	235	2	17"	3/4"	14.00"	39.20	**415.64**
10"	11.10	**UFR1399-C-10-U**	235	4	24"	3/4"	15.63"	97.30	**1344.56**
12"	13.20	**UFR1399-C-12-U**	235	4	24"	3/4"	17.75"	104.80	**1506.90**
14"	15.30	**UFR1399-C-14-U**	235	6	30"	3/4"	19.56"	219.50	**2207.26**
16"	17.40	**UFR1399-C-16-U**	235	6	30"	3/4"	21.68"	126.00	**2254.12**
18"	19.50	**UFR1399-C-18-U**	235	8	30"	3/4"	23.75"	203.60	**2542.67**
20"	21.60	**UFR1399-C-20-U**	235	8	36"	3/4"	25.88	198.60	**2696.87**
24"	25.80	**UFR1399-C-24-U**	235	12	36"	3/4"	30.15	362.20	**3246.30**

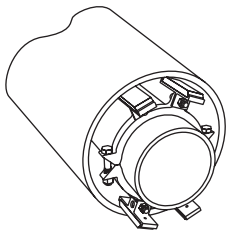
* **Note:** Connecting rods WILL NOT CLEAR a pipe bell with a maximum diameter larger than the listed measurement. These diameters do not include joint deflection. Confirm pipe bell diameter before ordering.

SERIES 1300 CASING SPACER FOR PVC AND DUCTILE IRON PIPE* SUPPORT

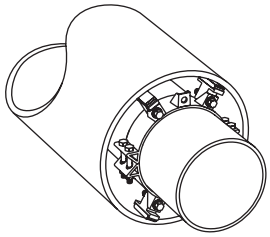
RECOMMENDED EVERY 10 FEET ALONG CARRIER PIPE INSIDE CASING



4", 6" and 8"
Casing Spacer for support of pipe



10" and 12"
Casing Spacer for support of pipe



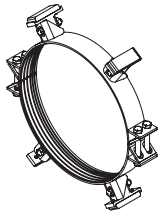
14" through 24"
Casing Spacer for support of pipe

Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Number of Runners	Min. Casing Size I.D.	Approx. Wt. Lbs.	List Price
4"	4.80	**UFRCS1300-C-4-U**	4	12.4"	15.2	**$ 244.05**
6"	6.90	**UFRCS1300-C-6-U**	4	14.0"	16.4	**255.77**
8"	9.05	**UFRCS1300-C-8-U**	4	17.8"	21.8	**272.99**
10"	11.10	**UFRCS1300-C-10-U**	4	21.5"	29.4	**446.57**
12"	13.20	**UFRCS1300-C-12-U**	4	23.0"	32.2	**477.52**
14"	15.30	**UFRCS1300-C-14-U**	4	27.0"	75.9	**1273.40**
16"	17.40	**UFRCS1300-C-16-U**	4	30.0"	80.7	**1455.76**
18"	19.50	**UFRCS1300-C-18-U**	4	31.0"	106.6	**1585.09**
20"	21.60	**UFRCS1300-C-20-U**	4	33.0"	138.3	**2275.08**
24"	25.80	**UFRCS1300-C-24-U**	4	39.0"	166.5	**2561.65**
30"	32.00	**UFRCS1300-C-30-U**	4	44.3"	250.1	**2609.46**

Note: 14" through 30" items are non-returnable and may be subject to a cancellation fee.

* 4" through 16" sizes are also recommended for use on ductile iron pipe. See catalog for pressure capabilities.

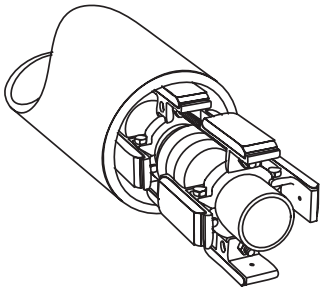
SERIES 1300-P CASING SPACERS FOR SEWER PIPE



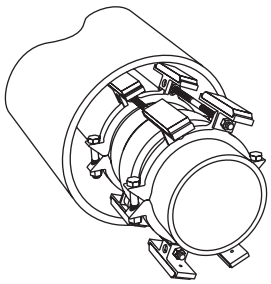
Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Number of Runners	Min. Casing Size I.D.	Approx. Wt. Lbs.	List Price
18"	18.70	**UFRCS1300-P-18-U**	4	30.0"	71.3	**$ 1062.80**
21"	22.05	**UFRCS1300-P-21-U**	4	32.0"	74.3	**1090.10**
24"	24.80	**UFRCS1300-P-24-U**	4	36.0"	82.0	**1142.40**

For sizes 4"-15", see Section U of Imported Price Book

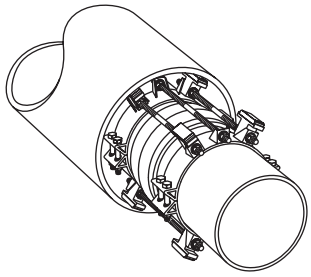
SERIES 1390 RESTRAINED CASING SPACER FOR PVC AND DUCTILE IRON PIPE* BELL SUPPORT



4", 6" and 8"
Restrained Casing Spacer
for Pipe Bell Joint



10" and 12"
Restrained Casing Spacer
for Pipe Bell Joint



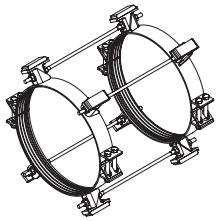
14" through 24"
Restrained Casing Spacer
for Pipe Bell Joint

Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Number of Runners	Min Casing Size I.D.	Rods		Approx. Wt. Lbs.	List Price
					Qty	Size		
4"	4.80	**UFRCS1390-C-4-U**	8	12.4"	2	3/4" x 17"	33.2	**$ 481.55**
6"	6.90	**UFRCS1390-C-6-U**	8	14.0"	2	3/4" x 17"	37.4	**524.32**
8"	9.05	**UFRCS1390-C-8-U**	8	17.8"	2	3/4" x 17"	47.9	**572.72**
10"	11.10	**UFRCS1390-C-10-U**	8	21.5"	4	3/4" x 24"	75.6	**860.75**
12"	13.20	**UFRCS1390-C-12-U**	8	23.0"	4	3/4" x 24"	77.8	**919.81**
14"	15.30	**UFRCS1390-C-14-U**	8	27.0"	6	3/4" x 30"	168.7	**1965.47**
16"	17.40	**UFRCS1390-C-16-U**	8	30.0"	6	3/4" x 30"	180.5	**2022.87**
18"	19.50	**UFRCS1390-C-18-U**	8	31.0"	8	3/4" x 30"	236.9	**2210.27**
20"	21.60	**UFRCS1390-C-20-U**	8	33.0"	8	3/4" x 36"	300.4	**3127.85**
24"	25.80	**UFRCS1390-C-24-U**	8	39.0"	12	3/4" x 36"	379.5	**3410.42**
30"	32.00	**UFRCS1390-C-30-U**	8	44.3"	10	1" x 48"	584.6	**4833.77**

Note: 14" through 30" items are non-returnable and may be subject to a cancellation fee.

* 4" through 16" sizes are also recommended for use on ductile iron pipe.
See catalog for pressure capabilities.

SERIES 1390-P CASING SPACERS FOR SEWER PIPE



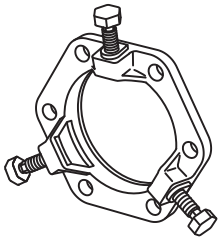
Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Number of Runners	Min Casing Size I.D.	Rods		Approx. Wt. Lbs.	List Price
					Qty	Size		
18"	18.70	**UFRCS1390-P-18-U**	8	30.0"	4	3/4" x 30"	154.2	**$ 1809.99**
21"	22.05	**UFRCS1390-P-21-U**	8	32.0"	4	3/4" x 36"	161.2	**1855.81**
24"	24.80	**UFRCS1390-P-24-U**	8	36.0"	4	3/4" x 36"	176.6	**1882.16**

For sizes 4"-15", see Section U of Imported Price Book

SERIES 1400 WEDGE ACTION RESTRAINT GLAND FOR DUCTILE IRON PIPE

WORKING PRESSURE - 3" - 16" ***350 PSI***
WORKING PRESSURE - 18" - 48" ***250 PSI***

◁FM▷Approved
(4" through 12" sizes)



Listed
(4" through 48" sizes)

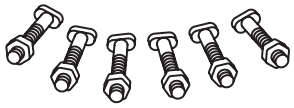
Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Pressure Rating (PSI)	No. of Wedges	Approx. Weight Lbs.	Pallet Qty.	List Price
3"	3.96	**UFR1400-D-3-U**	350	2	5.1	80	**$ 53.48**
4"	4.80	**UFR1400-D-4-U**	350	2	6.6	80	**57.03**
6"	6.90	**UFR1400-D-6-U**	350	3	9.6	45	**67.08**
8"	9.05	**UFR1400-D-8-U**	350	4	13.5	45	**102.44**
10"	11.10	**UFR1400-D-10-U**	350	6	20.9	25	**151.59**
12"	13.20	**UFR1400-D-12-U**	350	8	26.9	20	**220.55**
14"	15.30	**UFR1400-D-14-U**	350	10	42.0	10	**300.33**
16"	17.40	**UFR1400-D-16-U**	350	12	47.6	10	**429.59**
18"	19.50	**UFR1400-D-18-U**	250	12	59.2	10	**608.53**
20"	21.60	**UFR1400-D-20-U**	250	14	67.4	10	**754.64**
24"	25.80	**UFR1400-D-24-U**	250	16	85.5	10	**1047.99**
30"	32.00	***UFR1400-D-30-U**	250	20	179.4	5	**2245.74**
36"	38.30	***UFR1400-D-36-U**	250	24	234.8	5	**2895.90**
42"	44.50	***UFR1400-D-42-U**	250	28	445.6	5	**4640.41**
48"	50.80	***UFR1400-D-48-U**	250	32	539.4	5	**6048.98**

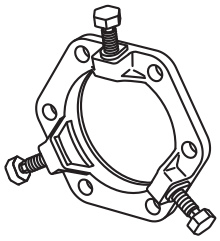
Note: The Series 1400 is recommended for use ONLY on ductile iron pipe.
1400's are bundled in quantities of five. Ford encourages purchases in quantities of five.

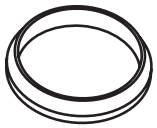
*30" through 48" sizes include a Uni-Seal gasket.

SERIES 1400 PACKAGED WITH ACCESSORIES

WORKING PRESSURE - 3" - 16" ***350 PSI***
WORKING PRESSURE - 18" - 48" ***250 PSI***







Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Pressure Rating (PSI)	No. of Wedges	Approx. Weight Lbs.	Pallet Qty.	List Price
3"	3.96	**UFR1400-DA-3-U**	350	2	7.3	27	**$ 83.48**
4"	4.80	**UFR1400-DA-4-U**	350	2	10.7	27	**90.66**
6"	6.90	**UFR1400-DA-6-U**	350	3	15.6	40	**112.76**
8"	9.05	**UFR1400-DA-8-U**	350	4	20.4	40	**153.05**
10"	11.10	**UFR1400-DA-10-U**	350	6	28.4	40	**218.68**
12"	13.20	**UFR1400-DA-12-U**	350	8	34.6	40	**293.14**
14"	15.30	**UFR1400-DA-14-U**	350	10	51.8	10	**392.55**
16"	17.40	**UFR1400-DA-16-U**	350	12	59.2	10	**534.89**
18"	19.50	**UFR1400-DA-18-U**	250	12	70.9	10	**717.37**
20"	21.60	**UFR1400-DA-20-U**	250	14	81.0	10	**877.78**
24"	25.80	**UFR1400-DA-24-U**	250	16	101.6	10	**1211.85**
30"	32.00	**UFR1400-DA-30-U**	250	20	221.4	5	**2601.08**
36"	38.30	**UFR1400-DA-36-U**	250	24	245.0	5	**3201.51**
42"	44.50	**UFR1400-DA-42-U**	250	28	570.4	5	**4984.15**
48"	50.80	**UFR1400-DA-48-U**	250	32	681.7	5	**6377.64**

PACKAGE CONTAINS

1 - Series 1400 restraint gland
1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
1 - Mechanical joint gasket, 3" through 12" (AWWA C111)

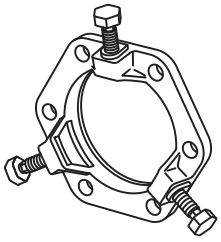
3" through 12" sizes are shrink-wrapped in a weather-resistant carton.
30" through 48" sizes are bulk packaged with Uni-Seal gasket.

SERIES 1400-XL WEDGE ACTION RESTRAINT GLAND*

WORKING PRESSURE - 4" - 12" ***250 PSI***

OVERSIZED FOR USE WITH CLASS C AND D

GRAY CAST IRON PIPE - COLOR CODED GRAY



Nom. Pipe Size	Catalog Number	Pressure Rating (psi)	No. of Wedges	Approx. Weight Lbs.	List Price
4"	**UFR1400-D-4-XL**	250	2	6.6	**$ 106.35**
6"	**UFR1400-D-6-XL**	250	3	9.6	**117.00**
8"	**UFR1400-D-8-XL**	250	4	13.5	**161.95**
10"	**UFR1400-D-10-XL**	250	6	20.9	**201.66**
12"	**UFR1400-D-12-XL**	250	8	26.9	**271.10**

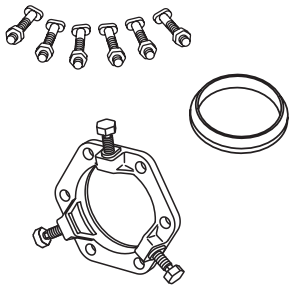
* Available as domestic castings only.

SERIES 1400-XL PACKAGED WITH ACCESSORIES*

WORKING PRESSURE - 4" - 12" ***250 PSI***

OVERSIZED FOR USE WITH CLASS C AND D

GRAY CAST IRON PIPE - COLOR CODED GRAY



Nom. Pipe Size	Catalog Number	Pressure Rating (psi)	No. of Wedges	Approx. Weight Lbs.	List Price
4"	**UFR1400-DA-4-XL**	250	2	10.1	**$ 139.99**
6"	**UFR1400-DA-6-XL**	250	3	14.8	**162.78**
8"	**UFR1400-DA-8-XL**	250	4	20.4	**212.61**
10"	**UFR1400-DA-10-XL**	250	6	28.4	**269.03**
12"	**UFR1400-DA-12-XL**	250	8	34.6	**344.09**

* Available as domestic castings only.

PACKAGE CONTAINS

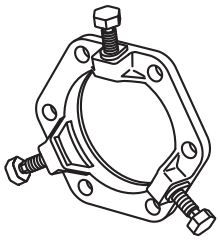
1 - Series 1400 restraint gland, oversized for use with class C and D gray cast iron pipe
1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
1 - Mechanical joint gasket (AWWA C111)

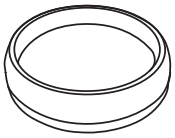
4" through 12" sizes are shrink-wrapped in a weather-resistant carton.

SERIES 1400 PACKAGED WITH SO-EZ GASKET AND ACCESSORIES

*WORKING PRESSURE - **350 PSI***







Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Pressure Rating (PSI)	No. of Wedges	Approx. Weight Lbs.	Pallet Qty.	List Price
3"	3.96	**UFR1400-ZA-3-U**	350	2	8.7	27	**$ 84.63**
4"	4.80	**UFR1400-ZA-4-U**	350	2	10.1	27	**96.52**
6"	6.90	**UFR1400-ZA-6-U**	350	3	14.8	40	**117.98**
8"	9.05	**UFR1400-ZA-8-U**	350	4	19.2	40	**159.42**
10"	11.10	**UFR1400-ZA-10-U**	350	6	28.4	40	**229.19**
12"	13.20	**UFR1400-ZA-12-U**	350	8	36.7	40	**308.98**

PACKAGE CONTAINS

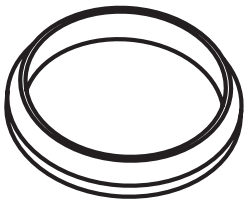
1 - Series 1400 restraint gland
1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
1 - SO-EZ gasket, 3" through 12" (AWWA C111)

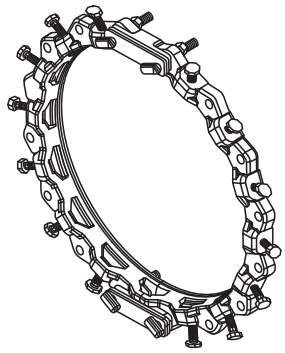
3" through 12" sizes are shrink-wrapped in a weather-resistant carton.

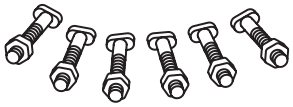
SERIES 1405 SPLIT WEDGE ACTION RESTRAINT

FOR DUCTILE IRON PIPE, PACKAGED WITH ACCESSORIES

*WORKING PRESSURE 14" - 16" **300 PSI** / 18" - 36" **200 PSI***







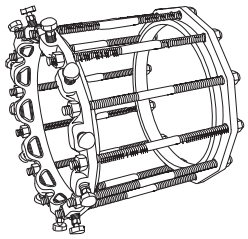
Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Pressure Rating (PSI)	No. of Wedges	Pallet Qty.	Approx. Weight Lbs.	List Price
14"	15.30	**UFR1405-DA-14-U**	300	8	10	59.9	**$ 1198.36**
16"	17.40	**UFR1405-DA-16-U**	300	10	10	66.7	**1254.34**
18"	19.50	**UFR1405-DA-18-U**	200	10	10	74.2	**1601.21**
20"	21.60	**UFR1405-DA-20-U**	200	12	10	82.8	**1926.76**
24"	25.80	**UFR1405-DA-24-U**	200	14	10	103.3	**3246.08**
30"	32.00	**UFR1405-DA-30-U**	200	18	5	181.0	**4306.87**
36"	38.30	**UFR1405-DA-36-U**	200	22	5	325.0	**5666.11**

For sizes 3"-12", see Section U of Imported Price Book

SERIES 1450 WEDGE ACTION RESTRAINT HARNESS

FOR PUSH-ON JOINTS OF DUCTILE IRON PI PE (new installations only)

*WORKING PRESSURE - 3" - 16" **350 PSI** / 18" - 36" **250 PSI***



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Pressure Rating (PSI)	No. of Rods	Rod Length	Rod Dia.	Max Bell Dia.	Approx. Weight Lbs.	List Price
3"	3.96	**UFR1450-D-3-U**	350	4	14"	5/8"	5.50"	11.4	**$ 135.43**
4"	4.80	**UFR1450-D-4-U**	350	4	17"	3/4"	6.62"	18.6	**154.02**
6"	6.90	**UFR1450-D-6-U**	350	6	17"	3/4"	8.62"	29.1	**181.46**
8"	9.05	**UFR1450-D-8-U**	350	6	17"	3/4"	10.88"	34.1	**229.17**
10"	11.10	**UFR1450-D-10-U**	350	8	24"	3/4"	13.12"	54.1	**415.68**
12"	13.20	**UFR1450-D-12-U**	350	8	24"	3/4"	15.38"	65.2	**469.21**
14"	15.30	**UFR1450-D-14-U**	350	10	24"	3/4"	17.88"	85.4	**1256.77**
16"	17.40	**UFR1450-D-16-U**	350	12	24"	3/4"	20.12"	103.6	**1435.35**
18"	19.50	**UFR1450-D-18-U**	250	12	24"	3/4"	22.38"	113.7	**1959.55**
20"	21.60	**UFR1450-D-20-U**	250	14	24"	3/4"	24.62"	163.2	**2103.57**
24"	25.80	**UFR1450-D-24-U**	250	16	24"	3/4"	29.12"	200.5	**2723.38**
30"	32.00	**UFR1450-D-30-U**	250	10	24"	1"	35.80"	374.3	**5690.54**
36"	38.30	**UFR1450-D-36-U**	250	12	24"	1"	42.60"	510.7	**6949.37**
42"	44.50	**UFR1450-D-42-U**	250	28	52"	1-1/4"	49.25"	1303.8	**14459.34**
48"	50.80	**UFR1450-D-48-U**	250	32	52"	1-1/4"	56.13"	1367.9	**16462.13**

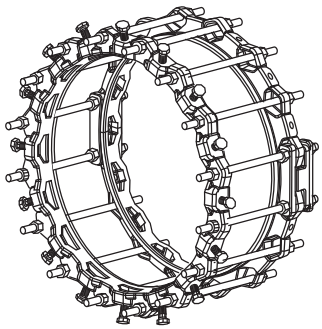
Note: Connecting rods WILL NOT CLEAR a pipe bell with a maximum diameter larger than the listed measurement. These diameters do not include joint deflection. Confirm pipe bell diameter before ordering.

Due to design variations related to sizing, items may differ from image shown.

SERIES 1455 WEDGE ACTION RESTRAINT WITH SPLIT BACK UP RING

FOR PUSH-ON JOINTS OF DUCTILE IRON PIPE (new installations only)

WORKING PRESSURE 14" - 16" ***300 PSI*** */ 18" - 36"* ***200 PSI***



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Pressure Rating (PSI)	No. of Rods	Rod Length	Rod Dia.	Max Bell Dia.	Approx. Weight Lbs.	List Price
14"	15.30	**UFR1455-D-14-U**	300	10	24"	3/4"	17.88"	120.3	**$ 1256.77**
16"	17.40	**UFR1455-D-16-U**	300	12	24"	3/4"	20.12"	134.4	**1435.35**
18"	19.50	**UFR1455-D-18-U**	200	12	24"	3/4"	22.38"	158.3	**1959.55**
20"	21.60	**UFR1455-D-20-U**	200	14	24"	3/4"	24.62"	178.7	**2103.57**
24"	25.80	**UFR1455-D-24-U**	200	16	24"	3/4"	29.12"	218.8	**2723.38**
30"	32.00	**UFR1455-D-30-U**	200	20	24"	1"	35.80"	455.0	**5690.54**
36"	38.30	**UFR1455-D-36-U**	200	24	24"	1"	42.60"	564.6	**6949.37**

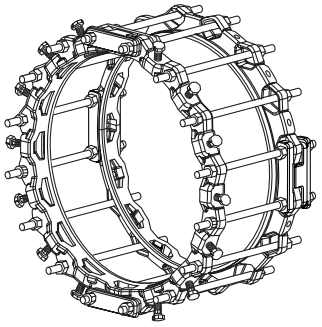
Note: Connecting rods WILL NOT CLEAR a pipe bell with a maximum diameter larger than the listed measurement. These diameters do not include joint deflection. Confirm pipe bell diameter before ordering.

For sizes 3"-12", see Section U of Imported Price Book

SERIES 1490 SPLIT WEDGE ACTION RESTRAINT WITH SPLIT BACK UP RING

FOR PUSH-ON JOINTS OF DUCTILE IRON PIPE (new or existing installations)

WORKING PRESSURE 14" - 16" ***300 PSI*** */ 18" - 36"* ***200 PSI***



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Pressure Rating (PSI)	No. of Rods	Rod Length	Rod Dia.	Max Bell Dia.	Approx. Weight Lbs.	List Price
14"	15.30	**UFR1490-D-14-U**	300	10	24"	3/4"	17.88"	134.7	**$ 2020.43**
16"	17.40	**UFR1490-D-16-U**	300	12	24"	3/4"	20.12"	162.0	**2244.43**
18"	19.50	**UFR1490-D-18-U**	200	12	24"	3/4"	22.38"	172.0	**3032.61**
20"	21.60	**UFR1490-D-20-U**	200	14	24"	3/4"	24.62"	192.6	**3659.70**
24"	25.80	**UFR1490-D-24-U**	200	16	24"	3/4"	29.12"	232.3	**4622.41**
30"	32.00	**UFR1490-D-30-U**	200	20	24"	1"	35.80"	436.0	**9123.88**
36"	38.30	**UFR1490-D-36-U**	200	24	24"	1"	42.60"	584.3	**10337.19**

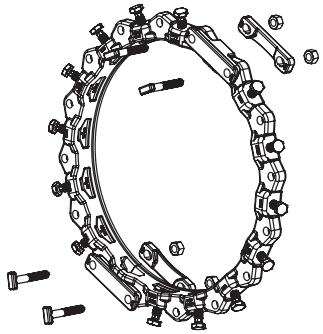
Note: Connecting rods WILL NOT CLEAR a pipe bell with a maximum diameter larger than the listed measurement. These diameters do not include joint deflection. Confirm pipe bell diameter before ordering.

SERIES 1495 MID-SPAN SPLIT DUCTILE IRON RESTRAINT

FOR RESTRAINING DUCTILE IRON LINES MID-SPAN

(new or existing installations)

*WORKING PRESSURE 14" - 16" **300 PSI** / 18" - 36" **200 PSI***



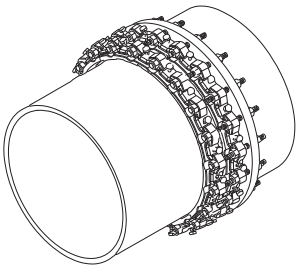
Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Pressure Rating (PSI)	Max Bell Dia.	Approx. Weight Lbs.	List Price
14"	15.30	**UFR1495-D-14-U**	300	17.88"	57.0	**$ 1166.44**
16"	17.40	**UFR1495-D-16-U**	300	20.12"	59.5	**1241.86**
18"	19.50	**UFR1495-D-18-U**	200	22.38"	78.2	**1574.20**
20"	21.60	**UFR1495-D-20-U**	200	24.62"	102.9	**1960.76**
24"	25.80	**UFR1495-D-24-U**	200	29.12"	102.9	**2216.34**
30"	32.00	**UFR1495-D-30-U**	200	35.80"	185.0	**4641.22**
36"	38.30	**UFR1495-D-36-U**	200	42.60"	329.0	**6107.84**

Note: Connecting rods WILL NOT CLEAR a pipe bell with a maximum diameter larger than the listed measurement. These diameters do not include joint deflection. Confirm pipe bell diameter before ordering.

For sizes 3"-12", see Section U of Imported Price Book

SERIES 2800 WEDGE ACTION RESTRAINT GLAND FOR HIGH PRESSURE APPLICATIONS ON DUCTILE IRON PIPE

WORKING PRESSURE - 3" - 12" ***500 PSI***
- 14" - 16" ***450 PSI***
- 18" - 36" ***350 PSI***



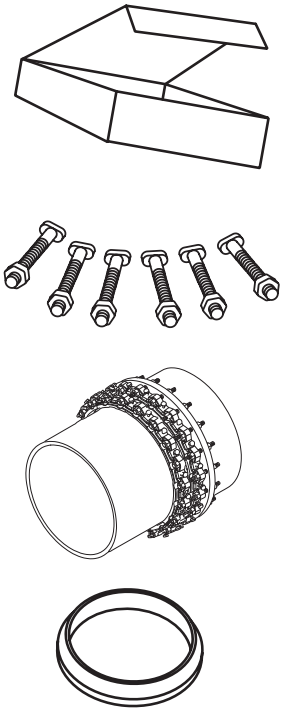
Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Pressure Rating (PSI)	Approx. Weight Lbs.	Pallet Qty.	Bolt Size & Length	List Price
3"	3.96	**UFR2800-D-3-U**	500	12.0	40	5/8" x 9"	**$ 154.11**
4"	4.80	**UFR2800-D-4-U**	500	15.0	40	3/4" x 7"	**166.71**
6"	6.90	**UFR2800-D-6-U**	500	22.0	22	3/4" x 7"	**212.72**
8"	9.05	**UFR2800-D-8-U**	500	29.0	22	3/4" x 7"	**284.18**
10"	11.10	**UFR2800-D-10-U**	500	44.0	12	3/4" x 7"	**409.44**
12"	13.20	**UFR2800-D-12-U**	500	68.3	10	3/4" x 9"	**575.05**
14"	15.30	**UFR2800-D-14-U**	450	84.0	5	3/4" x 9"	**776.84**
16"	17.40	**UFR2800-D-16-U**	450	112.5	5	3/4" x 9"	**1071.54**
18"	19.50	**UFR2800-D-18-U**	350	134.0	5	3/4" x 9"	**1432.32**
20"	21.60	**UFR2800-D-20-U**	350	156.0	5	3/4" x 9"	**1760.97**
24"	25.80	**UFR2800-D-24-U**	350	195.5	5	3/4" x 9"	**2463.69**
30"	32.00	***UFR2800-DA-30-U**	350	442.0	2	1" x 12"	**5683.23**
36"	38.30	***UFR2800-DA-36-U**	350	512.0	2	1" x 12"	**6854.45**

* 30" and 36" include Uni-Seal gasket.

Note: The Series 2800 is recommended for use ONLY on ductile iron pipe.

SERIES 2800 PACKAGED WITH ACCESSORIES

WORKING PRESSURE - 3" - 12" ***500 PSI***
- 14" - 16" ***450 PSI***
- 18" - 36" ***350 PSI***



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Pressure Rating (PSI)	Approx. Weight Lbs.	Pallet Qty.	Bolt Size & Length	List Price
3"	3.96	**UFR2800-DA-3-U**	500	16.0	14	5/8" x 9"	**$ 161.95**
4"	4.80	**UFR2800-DA-4-U**	500	19.6	14	3/4" x 7"	**184.10**
6"	6.90	**UFR2800-DA-6-U**	500	29.5	20	3/4" x 7"	**223.81**
8"	9.05	**UFR2800-DA-8-U**	500	39.0	20	3/4" x 7"	**297.49**
10"	11.10	**UFR2800-DA-10-U**	500	59.0	20	3/4" x 7"	**427.20**
12"	13.20	**UFR2800-DA-12-U**	500	70.0	20	3/4" x 9"	**595.92**
14"	15.30	**UFR2800-DA-14-U**	450	104.0	5	3/4" x 9"	**809.21**
16"	17.40	**UFR2800-DA-16-U**	450	124.0	5	3/4" x 9"	**1107.10**
18"	19.50	**UFR2800-DA-18-U**	350	158.0	5	3/4" x 9"	**1473.61**
20"	21.60	**UFR2800-DA-20-U**	350	176.0	5	3/4" x 9"	**1804.18**
24"	25.80	**UFR2800-DA-24-U**	350	202.0	5	3/4" x 9"	**2792.98**
30"	32.00	**UFR2800-DA-30-U**	350	524.0	2	1" x 12"	**5683.23**
36"	38.30	**UFR2800-DA-36-U**	350	612.0	2	1" x 12"	**6854.45**

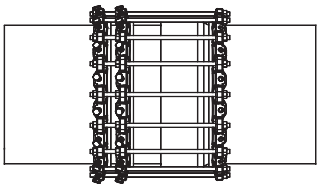
PACKAGE CONTAINS

2 - Series 1400 restraint glands
1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
1 - Mechanical joint gasket, 3" through 12" (AWWA C111)

3" through 12" sizes are shrink-wrapped in a weather-resistant carton.
30" through 36" sizes are bulk packaged with Uni-Seal gasket.

SERIES 2850 BELL JOINT RESTRAINTS FOR HIGH PRESSURE APPLICATIONS ON DUCTILE IRON PIPE

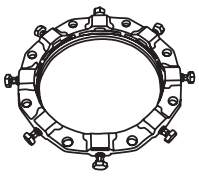
WORKING PRESSURE - 3" - 12" ***500 PSI***
- 14" - 16" ***450 PSI***
- 18" - 36" ***350 PSI***



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Pressure Rating (PSI)	No. of Rods	Rod Length	Rod Dia.	Max Bell Dia.	Approx. Weight Lbs.	List Price
3"	3.96	**UFR2850-D-3-U**	500	4	14"	5/8"	5.50"	18.0	**$ 187.34**
4"	4.80	**UFR2850-D-4-U**	500	4	17"	3/4"	6.62"	27.0	**204.56**
6"	6.90	**UFR2850-D-6-U**	500	6	17"	3/4"	8.62"	40.0	**258.31**
8"	9.05	**UFR2850-D-8-U**	500	6	17"	3/4"	10.88"	49.0	**328.57**
10"	11.10	**UFR2850-D-10-U**	500	8	24"	3/4"	13.12"	78.0	**534.33**
12"	13.20	**UFR2850-D-12-U**	500	8	24"	3/4"	15.38"	90.0	**676.78**
14"	15.30	**UFR2850-D-14-U**	450	10	24"	3/4"	17.88"	129.0	**1264.76**
16"	17.40	**UFR2850-D-16-U**	450	12	24"	3/4"	20.12"	157.0	**1486.34**
18"	19.50	**UFR2850-D-18-U**	350	12	24"	3/4"	22.38"	189.0	**1729.66**
20"	21.60	**UFR2850-D-20-U**	350	14	24"	3/4"	24.62"	215.0	**2361.29**
24"	25.80	**UFR2850-D-24-U**	350	16	24"	3/4"	29.12"	244.0	**3389.23**
30"	32.00	**UFR2850-D-30-U**	350	20	24"	3/4"	35.80"	583.0	**6984.31**
36"	38.30	**UFR2850-D-36-U**	350	24	24"	1"	42.60"	686.0	**9237.64**

Note: Connecting rods WILL NOT CLEAR a pipe bell with a maximum diameter larger than the listed measurement. These diameters do not include joint deflection. Confirm pipe bell diameter before ordering.

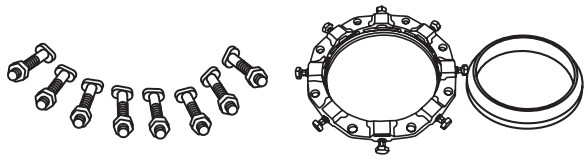
SERIES 1500 RESTRAINT GLAND
FOR C900, C909**, IPS PVC, SDR-35* OR HDPE



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	No. of Segments	Approx. Weight Lbs.	Pressure Rating (PSI)								Pallet Qty.	List Price
					C900			C909		ASTM D2241		Sewer		
					DR-14	DR-18	DR-25	PC-235	PC-165	SDR-21	SDR-26	All		
3"	3.50	**UFR1500-3-U**	2	9.1	-	-	-	-	-	200	160	-	80	**$ 64.91**
4"	4.22-4.80	**UFR1500-4-U**	2	8.2	305	235	165	235	-	200	160	Grav	80	**70.01**
6"	6.28-6.90	**UFR1500-6-U**	3	11.5	305	235	165	235	-	200	160	Grav	45	**84.83**
8"	8.40-9.05	**UFR1500-8-U**	4	17.4	305	235	165	235	-	200	160	Grav	35	**125.54**
10"	10.50-11.10	**UFR1500-10-U**	8	25.7	305	235	165	235	-	200	160	Grav	25	**237.41**
12"	12.50-13.20	**UFR1500-12-U**	8	29.7	305	235	165	235	-	200	160	Grav	20	**249.49**
14"	15.30	**UFR1500-C-14-U**	10	46.3	-	235	165	-	165	-	-	Grav	10	**424.55**
16"	17.40	**UFR1500-C-16-U**	12	59.8	-	235	165	-	165	-	-	-	10	**570.42**
18"	19.50	**UFR1500-C-18-U**	12	77.4	-	235	165	-	165	-	-	-	10	**707.54**
20"	21.60	**UFR1500-C-20-U**	14	88.3	-	235	165	-	165	-	-	-	10	**877.14**
24"	25.80	**UFR1500-C-24-U**	16	126.2	-	235	165	-	165	-	-	-	10	**1012.34**
30"	32.00	**UFR1500-C-30-U**	20	136.9	-	-	165	-	165	-	-	Grav	5	**2535.29**
36"	38.30	**UFR1500-C-36-U**	24	187.2	-	-	165	-	-	-	-	Grav	5	**3159.03**

*** Sewer applications require NBR (Buna-N) gaskets. Contact factory for details.**
** Suitable for use on C909 up through 30".

SERIES 1500 RESTRAINT GLAND FOR C900 AND C909** PACKAGED WITH ACCESSORIES



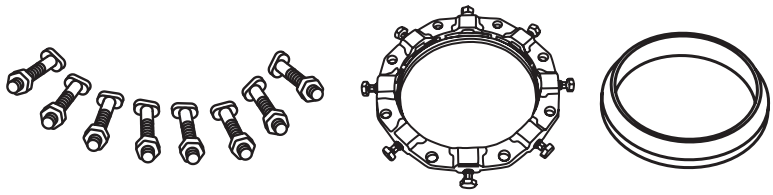
Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	No. of Segments	Approx. Weight Lbs.	Pressure Rating					Pallet Qty.	List Price
					C900			C909			
					DR-14	DR-18	DR-25	PC-235	PC-165		
4"	4.80	**UFR1500-CA-4-U**	2	12.3	305	235	165	-	-	27	**$ 103.87**
6"	6.90	**UFR1500-CA-6-U**	3	17.5	305	235	165	235	-	40	**131.38**
8"	9.05	**UFR1500-CA-8-U**	4	24.2	305	235	165	235	-	40	**177.41**
10"	11.10	**UFR1500-CA-10-U**	8	33.0	305	235	165	235	-	40	**305.85**
12"	13.20	**UFR1500-CA-12-U**	8	37.3	305	235	165	235	-	40	**321.84**
14"	15.30	**UFR1500-CA-14-U**	10	56.1	-	235	165	-	165	10	**516.76**
16"	17.40	**UFR1500-CA-16-U**	12	71.4	-	235	165	-	165	10	**675.75**
18"	19.50	**UFR1500-CA-18-U**	12	89.2	-	235	165	-	165	10	**816.36**
20"	21.60	**UFR1500-CA-20-U**	14	102.3	-	235	165	-	-	10	**1000.32**
24"	25.80	**UFR1500-CA-24-U**	16	140.6	-	235	165	-	-	10	**1159.60**
30"	32.00	**UFR1500-CA-30-U**	20	178.9	-	-	165	-	-	5	**2890.65**
36"	38.30	**UFR1500-CA-36-U**	24	237.7	-	-	165	-	-	5	**3524.21**
42"	44.50	**UFR1500-CA-42-U**	28	475.0	-	-	165	-	-	1	**10990.17**
48"	50.80	**UFR1500-CA-48-U**	32	573.0	-	-	165	-	-	1	**14135.08**

** Suitable for use on C909 up through 16"

PACKAGE CONTAINS

1 - Series 1500 restraint gland
1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
1 - MJ gasket (AWWA C111)

SERIES 1500 RESTRAINT GLAND FOR IPS PVC, HDPE, AND STEEL PIPE PACKAGED WITH ACCESSORIES



DOMESTIC SERIES 1500 FOR IPS PVC, HDPE, AND STEEL PIPE PACKAGED WITH ACCESSORIES

Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	No. of Segments	Approx. Weight Lbs.	Pressure Rating ASTM D2241		Pallet Qty.	List Price
					SDR-21	SDR-26		
3"	3.50	**UFR1500-SA-3-U**	2	10.6	200	160	27	**$ 96.49**
4"	4.50	**UFR1500-SA-4-U**	2	14.2	200	160	27	**103.87**
6"	6.63	**UFR1500-SA-6-U**	3	20.1	200	160	40	**131.38**
8"	8.63	**UFR1500-SA-8-U**	4	24.3	200	160	40	**177.41**
10"	10.75	**UFR1500-SA-10-U**	8	33.0	200	160	40	**305.85**
12"	12.75	**UFR1500-SA-12-U**	8	37.3	200	160	40	**321.84**
14"	14.00	**SEE NOTE**						
16"	16.00	**UFR1500-SA-16-U**	12	76.0	200	160	10	**P.O.A.**
18"	18.00	**UFR1500-SA-18-U**	12	94.0	200	160	10	**P.O.A.**
20"	20.00	**UFR1500-SA-20-U**	14	109.0	200	160	10	**P.O.A.**
24"	24.00	**UFR1500-SA-24-U**	16	153.0	200	160	10	**P.O.A.**

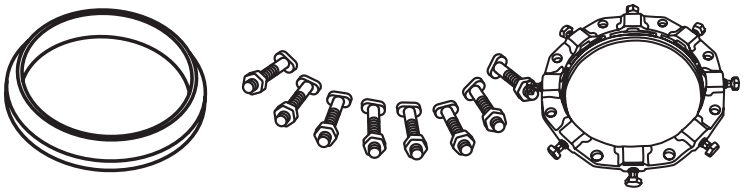
Note: For 14" steel pipe only, Ford offers the UFR1500-ST-14-I as an imported casting

Note: For gland less gasket, T-bolts and nuts, replace -SA with -S

PACKAGE CONTAINS

1 - Series 1500 restraint gland
1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
1 - Transition gasket

SERIES 1500 RESTRAINT GLAND FOR C900, C909, IPS PVC, DR-35** OR HDPE PACKAGED WITH SO-EZ GASKET AND ACCESSORIES



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	No. of Segments	Approx. Weight Lbs.	Pressure Rating							Pallet Qty.	List Price
					C900			C909	ASTM D2241		Sewer		
					DR-14	DR-18	DR-25	PC-235	SDR-21	SDR-26	All		
*3"	3.50	**UFR1500-ZA-3-U**	2	10.6	-	-	-	-	200	160	Grav	27	**$ 97.62**
*4"	4.22-4.80	**UFR1500-ZA-4-U**	2	12.5	305	235	165	235	200	160	Grav	27	**109.74**
*6"	6.28-6.90	**UFR1500-ZA-6-U**	3	18.1	305	235	165	235	200	160	Grav	40	**136.61**
*8"	8.40-9.05	**UFR1500-ZA-8-U**	4	24.6	305	235	165	235	200	160	Grav	40	**183.86**
*10"	10.50-11.10	**UFR1500-ZA-10-U**	8	33.0	305	235	165	235	200	160	Grav	40	**316.35**
*12"	12.50-13.20	**UFR1500-ZA-12-U**	8	37.6	305	235	165	235	200	160	Grav	40	**337.69**

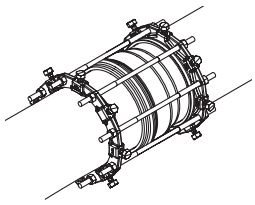
*** Sewer applications require NBR (Buna-N) gaskets. Contact factory for details.**

PACKAGE CONTAINS

1 - Series 1500 restraint gland
1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
1 - SO-EZ gasket

SERIES 1559 RESTRAINT FOR C909 PVC BELL JOINTS

(new installations only)

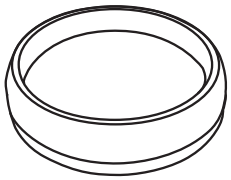


Nom. Pipe Size	Pressure Rating (PSI)	Catalog Number	No. of Rods	Rod Length	Rod Dia.	Max. Bell* Dia.	Approx. Weight Lbs.	List Price
4"	235	**UFR1559-C-4-U**	4	17"	3/4"	6.62"	29.9	**$ 261.26**
6"	235	**UFR1559-C-6-U**	6	17"	3/4"	8.62"	43.0	**379.61**
8"	235	**UFR1559-C-8-U**	6	17"	3/4"	10.88"	50.4	**453.41**
10"	235	**UFR1559-C-10-U**	8	24"	5/8"**	13.12"	70.2	**640.46**
12"	235	**UFR1559-C-12-U**	8	24"	5/8"**	15.38"	78.2	**690.95**
14"	235	**UFR1559-C-14-U**	10	30"	3/4"	17.88"	120	**1475.76**
16"	235	**UFR1559-C-16-U**	12	30"	3/4"	20.12"	161.3	**1530.74**

***Note:** Connecting rods WILL NOT CLEAR a pipe bell with a maximum diameter larger than the listed measurement. These diameters do not include joint deflection. Confirm pipe bell diameter before ordering.

**10" and 12" connecting rods are 5/8" for additional bell clearance.

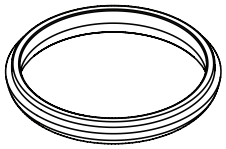
SO-EZ GASKET



Catalog Number	Description	List Price
SO-EZ-3	3" SO-EZ MJ Gasket	**$ 10.93**
SO-EZ-4	4" SO-EZ MJ Gasket	**11.36**
SO-EZ-6	6" SO-EZ MJ Gasket	**16.22**
SO-EZ-8	8" SO-EZ MJ Gasket	**18.54**
SO-EZ-10	10" SO-EZ MJ Gasket	**30.29**
SO-EZ-12	12" SO-EZ MJ Gasket	**34.66**

Sewer applications require NBR (Buna-N) gaskets. Add "-N" into catalog number. Example: SO-EZ-4-N. Contact factory for pricing.

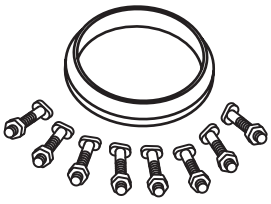
TRANSITION GASKETS FOR STEEL AND STEEL-SIZE PIPE
(U.S. PATENT NO. 10371262)



Catalog Number	Description	List Price
TGA-14	14" Transition MJ Gasket	**$ 266.91**
TGA-16	16" Transition MJ Gasket	**304.41**
TGA-18	18" Transition MJ Gasket	**363.67**
TGA-20	20" Transition MJ Gasket	**437.11**
TGA-24	24" Transition MJ Gasket	**501.65**

Sewer applications require NBR (Buna-N) gaskets. Add "-N" into catalog number. Example: TGA-14-N. Contact factory for pricing.

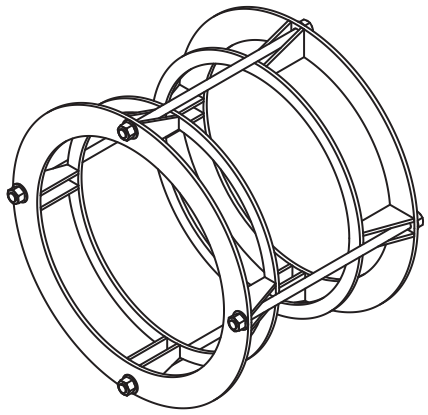
MECHANICAL JOINT ACCESSORY KIT



Nom Pipe Size	Pipe O.D. (Inches)	Catalog Number	T-Bolts		List Price
			Qty.	Size	
3"	3.96	**MJAK-3-U**	4	5/8" x 3"	**$ 36.05**
4"	4.80	**MJAK-4-U**	4	3/4" x 3-1/2"	**40.35**
6"	6.90	**MJAK-6-U**	6	3/4" x 3-1/2"	**54.18**
8"	9.05	**MJAK-8-U**	6	3/4" x 4"	**58.49**
10"	11.10	**MJAK-10-U**	8	3/4" x 4"	**76.35**
12"	13.20	**MJAK-12-U**	8	3/4" x 4"	**79.91**
14"	15.30	**MJAK-14-U**	10	3/4" x 4-1/2"	**93.13**
16"	17.40	**MJAK-16-U**	12	3/4" x 4-1/2"	**134.73**
18"	19.50	**MJAK-18-U**	12	3/4" x 4-1/2"	**139.11**
20"	21.60	**MJAK-20-U**	14	3/4" x 4-1/2"	**157.46**
24"	25.80	**MJAK-24-U**	16	3/4" x 5"	**188.21**
30"	32.00	**MJAK-30-U**	20	1" x 6"	**482.04**
36"	38.30	**MJAK-36-U**	24	1" x 6"	**559.41**
42"	44.50	**MJAK-42-U**	28	1-1/4" x 6-1/2"	**P.O.A.**
48"	50.80	**MJAK-48-U**	32	1-1/4" x 6-1/2"	**1342.15**

SERIES M11 WELDED JOINT HARNESSES

The M11 diameter specific harness is intended to be field-welded directly to steel pipe. The design consists of two circular plates joined by gussets. Tie rods (sold separately) are fastened to the harness between gussets. The M11S single ring harness is also available to anchor steel pipe to a flanged coupling adapter. Contact Ford Customer Service for details.



How to order M11 welded joint harnesses: Working pressure, pipe O.D., material type, finish and hardware material type are required for quotation.

SERIES M11 WELDED JOINT HARNESSES NUMBERING SYSTEM

Finish and Hardware Callout	Finish and Hardware	
	Carbon Steel Harness	Stainless Steel Harness
R	Shop Coat with B7 Hardware	Passivated with B7 Hardware
E	Epoxy Coat with B7 Hardware	N/A
X	Shop Coat with 304SS Hardware	Passivated with 304SS Hardware
Y	Epoxy Coat with 304SS Hardware	N/A
Q	Shop Coat with 316SS Hardware	Passivated with 316SS Hardware
Z	Epoxy Coat with 316SS Hardware	N/A

MATERIAL THICKNESS

38 = 3/8"
12 = 1/2"
58 = 5/8"
34 = 3/4"
78 = 7/8"
1 = 1"

ROD QTY.
(Rods Sold Separately)

M11 X-1075-X-150-38-2-B

MATERIAL OF CONSTRUCTION

OMIT = ASTM A36 Carbon Steel
X = Type 304L Stainless Steel
Q = Type 316L Stainless Steel

PIPE O.D.

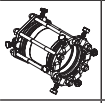
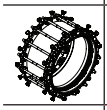
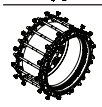
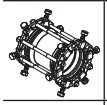
DESIGN PRESSURE (PSI)

ROD DIAMETER
(Rods Sold Separately)

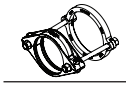
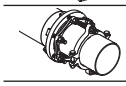
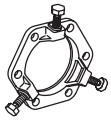
J = 1/2"
A = 5/8"
B = 3/4"
K = 7/8"
C = 1"
D = 1-1/8"
F = 1-1/4"
G = 1-1/2"
H = 1-3/4"
L = 2"
M = 2-1/2"

The example above is a 3/8" thick 304 stainless steel joint harness with a 150 psi pressure rating made to restrain a 10.75" O.D. steel pipe to a 10.75" O.D. steel pipe using two 3/4" 304 stainless steel tie rods. Contact Ford Customer Service for pricing.

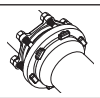
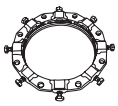
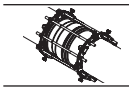
FORD / UNI-FLANGE PRODUCTS

	Product Identification	Application	Nom. Pipe Size	Page No.
	UFA200-S	Flange Adapter for Steel Pipe	2"-12"	4
	UFA200-C	Flange Adapter for Ductile Pipe	2"-12"	4
	UFA400-S	High Pressure Flange Adapter for Steel Pipe	2"-42"	4
	UFA400-C	High Pressure Flange Adapter for Ductile Pipe	2"-48"	4
	UFA420-S	Extra Heavy Flange Adapter for Steel Pipe (Class F Flange)	2"-12"	5
	UFA420-C	Extra Heavy Flange Adapter for Ductile Pipe (Class F Flange)	2"-12"	5
	UFA900-S	Flange Adapter for IPS PVC Pipe	4"-8"	5
	UFA900-C	Flange Adapter for AWWA C900 PVC Pipe	4"-12"	5
	RFAP	Restrained Flange Adapter for C900, C909, SDR35, IPS PVC and Steel Pipe	3"-36"	6
	RFAD	Restrained Flange Adapter for Ductile Iron Pipe	3"-36"	7
	RCDD	Restrained Coupling for Ductile Iron Pipe	3"-12"	8
	RCDD	Restrained Coupling for Ductile Iron Pipe	14"-36"	8
	RCDP	Restrained Coupling for Joining Ductile Iron Pipe to C900, IPS PVC, Steel, C909, SDR35 Pipe or HDPE	3"-12"	8
	RCDP	Restrained Coupling for Joining Ductile Iron Pipe to C900 Pipe	14"-36"	8
	RCDP	Restrained Coupling for Joining Ductile Iron to Steel or Steel Sized Pipe	14"-24"	8
	RCPP	Restrained Coupling for C900, IPS PVC, Steel, C909, SDR35 Sewer or HDPE	3"-12"	9
	RCPP	Restrained Coupling for Steel Pipe by Steel or Steel Sized Pipe	14"-24"	9
	RCPP	Restrained Coupling for C900, IPS PVC, D909 and SDR35 Sewer Pipe by Steel or Steel Sized Pipe	14"-24"	9
	UFR1300-S	Restraint for IPS PVC Pipe and MJ Fittings or other DI Fittings	2"-12"	10
	UFR1300-C	Restraint for AWWA C900 PVC Pipe, Ductile Iron Pipe and MJ Fittings or other DI Fittings	4"-42" 4"-16"	10
	UFR1300-SA	Restraint for IPS PVC Pipe and MJ Fittings or other DI Fittings with Accessories	2"-12"	10
	UFR1300-CA	Restraint for AWWA C900 PVC Pipe, Ductile Iron Pipe and MJ Fittings or other DI Fittings with Accessories	4"-12"	10
	UFR1300-P	Restraint for Sewer Pipe Applications	4"-15"	10
	UFR1309-C	1309-C Restraint for C900 PVC, C909 PVC and C906 HDPE for Mechanical Joint / Push-on Fittings	4"-18"	10

FORD / UNI-FLANGE PRODUCTS (CONTINUED)

	Product Identification	Application	Nom. Pipe Size	Page No.
	UFR1350-C	Bell Joint Restraint for AWWA C900 PVC Pipe (*new installations only)*	4"-24"	11
	UFR1350-S	Bell Joint Restraint for IPS PVC Pipe (*new installations only)*	2"-12"	11
	UFR1360-C	Restraint for PVC Pipe and PVC Pressure Fitting Joints w/ Ductile Iron Pipe O.D. *(new or existing installations)*	4"-36"	11
	UFR1360-S	Restraint for PVC Pipe and PVC Pressure Fitting Joints w/ IPS PVC Pipe O.D. *(new or existing installations)*	2"-12"	11
	UFR1369-C	Split Ring Restraint for C909 PVCO to PVC Pressure Fittings *(new or existing installations)*	4"-12"	11
	UFR1390-P	Bell Joint Restraint for Sewer Pipe Applications	4"-15"	11
	UFR1390-S	Bell Joint Restraint for IPS PVC Pipe *(new or existing installations)*	2"-12"	12
	UFR1390-C	Bell Joint Restraint for AWWA C900 PVC Pipe	4"-42"	12
	UFR1390-C	Bell Joint Restraint for Ductile Iron Pipe *(new or existing installations)*	4"-12"	12
	UFR1399-C	Split Restraint for C909 PVC Push-On Joints *(new or existing installations)*	4"-18"	12
	UFRCS1300-C	Casing Spacer for PVC Pipe Support and Casing Spacer for Ductile Iron Pipe Support	4"-24"	13
	UFRCS1300-P	Casing Spacer for Sewer Pipe Applications	4"-15"	13
	UFRCS1390-C	Restrained Casing Spacer for PVC Pipe Bell Support and Restrained Casing Spacer for Ductile Iron Pipe Bell Support	4"-24"	14
	UFRCS1390-P	Restrained Casing Spacer for Sewer Pipe Applications	4"-15"	14
	UFR1300-SAS	Mechanical Joint Repair Kit for IPS and PVC Pipe	4"-12"	15
	UFR1300-CAS	Mechanical Joint Repair Kit for Ductile Iron Pipe and PVC Pipe	4"-12"	15
	UFR1400-D	Wedge Action MJ Gland Joint Restraint for Ductile Iron Pipe	3"-48"	16
	UFR1400-DA	Wedge Action MJ Gland Joint Restraint for Ductile Iron Pipe with Accessories	3"-48"	16
	UFR1400-ZA	Wedge Action MJ Gland Joint Restraint for Ductile Iron Pipe Packaged with SO-EZ Gasket and Accessories	3"-12"	17
	UFR1405-DA	Split Wedge Action Restraint Gland for Ductile Iron MJ Fittings	3"-36"	17
	UFR1450-D	Wedge Action Restraint Harness for Ductile Iron Pipe Bells *(new installations only)*	3"-48"	18
	UFR1455-D	Wedge Action Restraint Gland with Split Back-Up Ring for Ductile Iron Pipe Bells	3"-36"	18

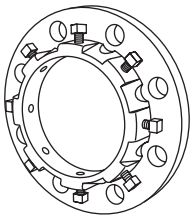
FORD / UNI-FLANGE PRODUCTS (CONTINUED)

	Product Identification	Application	Nom. Pipe Size	Page No.
	UFR1490-D	Split Wedge Action Restraint Gland with Split Back Up Ring for Ductile Iron Pipe Bells	3"-36"	19
	UFR1495-D	Mid-Span Split Ductile Iron Restraint	3"-36"	19
	UFR2800-DA	Restraints for High Pressure Applications with Accessory Set for Ductile Iron Pipe	3"-36"	20
	UFR2850-D	Bell Joint Restraints for High Pressure Applications on Ductile Iron Pipe	3"-36"	21
	Uni-Ring	Mechanical Joint Ring Restraint for C900, Ductile Iron, C909 and HDPE	4"-12"	21
	UFR1500	MJ Restraint Gland for AWWA C900 PVC Pipe, IPS PVC Pipe and DR35 Sewer Pipe in 4"-12"	3"-36"	22
	UFR1500-CA	MJ Restraint Gland C900 PVC Pipe with Accessories	4"-48"	23
	UFR1500-SA	MJ Restraint Gland for ASTM D2241 IPS PVC with Accessories	3"-24"	23
	UFR1500-ZA	MJ Restraint Gland Joint Restraint for AWWA C900 PVC Pipe or IPS PVC Pipe with SO-EZ Gasket and Accessories	4"-12"	24
	UFR1559	Restraint Harness for C909 PVC Push-On Joints *(new installations only)*	4"-12" 16"	24
	MJAK	Mechanical Joint Accessory Kit	3"-48"	24

UNI-FLANGE ADAPTER FLANGES

SERIES 200 ADAPTER FLANGE FOR STEEL AND DUCTILE IRON PIPE FLANGE DRILLING ANSI B16.1 125 LB. / ANSI B16.5 150 LB.

*WORKING PRESSURE - 2" - 8" **200 PSI** / 10" - 12" **175 PSI***

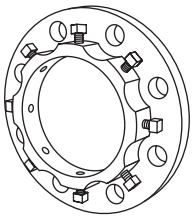


*Uni-Flange **adapters** are supplied with **SBR gaskets**.*

Nom. Pipe Size	Steel Pipe		Ductile Iron Pipe		Approx. Weight Lbs.	w/ Standard Set screws	List Price *Optional Feature Codes	
	Pipe O.D. (Inches)	Catalog Number	Pipe O.D. (Inches)	Catalog Number			w/ uni-torque set screws	w/ uni-torque set screws and EPDM gasket
							Add "-UT"	Add "-UT-EPDM"
2"	2.38	**UFA200-S-2**	2.50	**UFA200-C-2**	4.3	**$ 54.06**	**$ 62.25**	**$ 72.21**
2-1/2"	2.88	**UFA200-S-25**	-	-	5.8	**59.09**	**75.49**	**85.46**
3"	3.50	**UFA200-S-3**	3.96	**UFA200-C-3**	6.5	**66.92**	**83.32**	**99.25**
4"	4.50	**UFA200-S-4**	4.80	**UFA200-C-4**	7.9	**90.46**	**106.86**	**127.43**
5"	5.56	**UFA200-S-5**	-	-	10.5	**94.34**	**127.14**	**-**
6"	6.63	**UFA200-S-6**	6.90	**UFA200-C-6**	11.3	**97.44**	**130.24**	**171.72**
8"	8.63	**UFA200-S-8**	9.05	**UFA200-C-8**	18.7	**135.33**	**211.31**	**271.29**
10"	10.75	**UFA200-S-10**	11.10	**UFA200-C-10**	27.5	**243.09**	**357.05**	**418.72**
12"	-	-	13.20	**UFA200-C-12**	31.0	**283.53**	**397.47**	**469.82**

SERIES 400 ADAPTER FLANGE FOR STEEL AND DUCTILE IRON PIPE FLANGE DRILLING ANSI B16.1 125 LB. / ANSI B16.5 150 LB.

*WORKING PRESSURE - 2" - 12" **250 PSI** / 14" - 24" **150 PSI** / 30" - 48" **100 PSI***



*Uni-Flange **adapters** are supplied with **SBR gaskets**.*

Nom. Pipe Size	Steel Pipe		Ductile Iron Pipe		Approx. Weight Lbs.	w/ Standard Set screws	List Price *Optional Feature Codes	
	Pipe O.D. (Inches)	Catalog Number	Pipe O.D. (Inches)	Catalog Number			w/ uni-torque set screws	w/ uni-torque set screws and EPDM gasket
							Add "-UT"	Add "-UT-EPDM"
2"	2.38	**UFA400-S-2**	-	-	5.1	**$ 92.65**	**$ 109.06**	**$ 119.03**
2-1/2"	2.88	**UFA400-S-25**	-	-	8.5	**98.93**	**112.42**	**122.40**
3"	3.50	**UFA400-S-3**	3.96	**UFA400-C-3**	8.9	**98.93**	**115.33**	**131.24**
4"	4.50	**UFA400-S-4**	4.80	**UFA400-C-4**	13.1	**104.44**	**137.18**	**157.78**
5"	5.56	**UFA400-S-5**	-	-	16.6	**130.16**	**206.15**	**226.71**
6"	6.63	**UFA400-S-6**	6.90	**UFA400-C-6**	17.1	**131.63**	**207.64**	**249.15**
8"	8.63	**UFA400-S-8**	9.05	**UFA400-C-8**	23.6	**144.54**	**220.49**	**280.50**
10"	10.75	**UFA400-S-10**	11.10	**UFA400-C-10**	33.5	**295.32**	**409.28**	**470.94**
12"	12.75	**UFA400-S-12**	13.20	**UFA400-C-12**	46.7	**348.26**	**462.23**	**534.56**
14"	14.00	**UFA400-S-14**	15.30	**UFA400-C-14**	60.1	**644.64**	**758.61**	**-**
16"	16.00	**UFA400-S-16**	17.40	**UFA400-C-16**	76.5	**807.55**	**959.50**	**-**
18"	18.00	**UFA400-S-18**	19.50	**UFA400-C-18**	86.8	**913.09**	**-**	**-**
20"	20.00	**UFA400-S-20**	21.60	**UFA400-C-20**	113.4	**1103.97**	**-**	**-**
24"	24.00	**UFA400-S-24**	25.80	**UFA400-C-24**	148.7	**1488.99**	**-**	**-**
30"	30.00	**UFA400-S-30**	32.00	**UFA400-C-30**	265.6	**2552.84**	**-**	**-**
36"	36.00	**UFA400-S-36**	38.30	**UFA400-C-36**	434.9	**3751.32**	**-**	**-**
42"	42.00	**UFA400-S-42**	44.50	**UFA400-C-42**	585.2	**4679.14**	**-**	**-**
48"	–	–	50.80	**UFA400-C-48**	660.0	**6246.08**	**-**	**-**

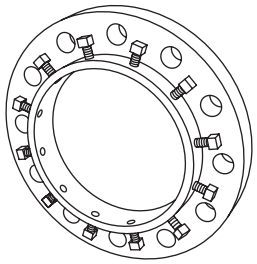
*** Options:** To order with Uni-Torque set screws add "-UT" to the catalog number. Example: UFA200-S-2-UT

To order with Uni-Torque set screws and EPDM gasket add "-UT-EPDM" to the catalog number. Example: UFA200-S-2-UT-EPDM

SERIES 420 EXTRA HEAVY ADAPTER FLANGE FOR STEEL AND DUCTILE IRON PIPE
FLANGE DRILLING ANSI B16.1 250 LB. / ANSI B16.5 300 LB.

*WORKING PRESSURE - 2" - 12" **400 PSI***

*Uni-Flange **adapters** are supplied with **SBR gaskets**.*

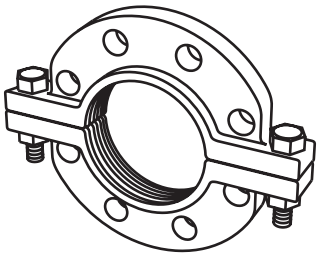


Nom. Pipe Size	Steel Pipe		Ductile Iron Pipe		Approx. Weight Lbs.	List Price	*w/ Uni-Torque Set Screws Add "-UT"
	Pipe O.D. (Inches)	Catalog Number	Pipe O.D. (Inches)	Catalog Number			
2"	2.38	**UFA420-S-2**	2.50	**UFA420-C-2**	8.8	**$ 180.64**	**$ 211.76**
3"	3.50	**UFA420-S-3**	3.96	**UFA420-C-3**	11.5	**213.60**	**244.66**
4"	4.50	**UFA420-S-4**	4.80	**UFA420-C-4**	19.0	**252.06**	**283.14**
5"	5.56	**UFA420-S-5**	-	-	25.4	**272.83**	**344.84**
6"	6.63	**UFA420-S-6**	6.90	**UFA420-C-6**	32.5	**305.33**	**413.34**
8"	8.63	**UFA420-S-8**	9.05	**UFA420-C-8**	49.4	**385.96**	**493.96**
10"	10.75	**UFA420-S-10**	11.10	**UFA420-C-10**	69.7	**691.35**	**835.37**
12"	12.75	**UFA420-S-12**	13.20	**UFA420-C-12**	94.7	**814.89**	**958.92**

*** Caution:** Uni-Torque set screws should not be used on steel pipe thinner than Schedule 40 or ductile iron pipe thinner than Class 52.

SERIES 900 ADAPTER FLANGE FOR PVC PIPE
FLANGE DRILLING ANSI B16.1 125 LB. / ANSI B16.5 150 LB.

*Uni-Flange Series 900 **adapters** are furnished with **EPDM gaskets**.*

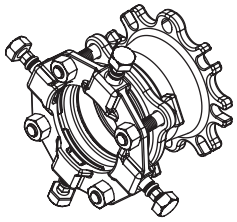


Nom. Pipe Size	PVC Pipe with Steel Pipe O.D.		PVC Pipe with Ductile Iron Pipe O.D.		Approx. Weight Lbs.	List Price
	Pipe O.D. (Inches)	Catalog Number	Pipe O.D. (Inches)	Catalog Number		
4"	4.50	**UFA900-S-4**	4.80	**UFA900-C-4**	11.5	**$ 132.33**
6"	6.63	**UFA900-S-6**	6.90	**UFA900-C-6**	16.9	**167.69**
8"	8.63	**UFA900-S-8**	9.05	**UFA900-C-8**	26.4	**233.43**
10"	-	-	11.10	**UFA900-C-10**	34.0	**350.32**
12"	-	-	13.20	**UFA900-C-12**	57.0	**454.52**

Note: Not to be used on metal pipe. Flanges are designed for PVC pipe only.

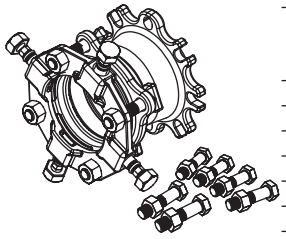
RESTRAINED FLANGE - ADAPTER STYLE RFAP FOR CONVERTING PLAIN END PVC PIPE TO A FLANGE CONNECTION

RFAP
FOR C900, C909, SDR35, IPS PVC OR IPS STEEL PIPE



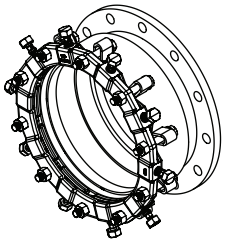
Nom. Pipe Size	Pipe O.D. Range (Inches)	Catalog Number	No of Restraint Segments	T-Bolt Size	T-Bolt Quantity	Approx. Weight Lbs.	List Price
3"	3.50	**RFAP-3-I**	2	5/8" x 3"	4	21.1	**$ 196.94**
4"	4.21-4.80	**RFAP-4-I**	4	3/4" x 4"	4	34.3	**216.11**
6"	6.27-6.90	**RFAP-6-I**	6	3/4" x 4"	6	37.4	**322.39**
8"	8.40-9.05	**RFAP-8-I**	6	3/4" x 4-1/2"	6	56.9	**501.22**
10"	10.50-11.10	**RFAP-10-I**	8	3/4" x 4-1/2"	8	67.6	**738.93**
12"	12.50-13.20	**RFAP-12-I**	8	3/4" x 4-1/2"	8	83.1	**903.80**

RFAP WITH FLANGE BOLTS
FOR C900, C909, SDR35, IPS PVC OR IPS STEEL PIPE



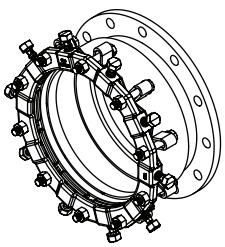
Nom. Pipe Size	Pipe O.D. Range (Inches)	Catalog Number	No of Restraint Segments	T-Bolt Size	T-Bolt Qty.	Flange Bolt Qty.	Flange Bolt Size	Approx. Weight Lbs.	List Price
3"	3.50	**RFAP-3A-I**	2	5/8" x 3"	4	4	5/8" x 2-1/2"	22.1	**$ 217.61**
4"	4.21-4.80	**RFAP-4A-I**	4	3/4" x 4"	4	8	5/8" x 2-1/2"	27.5	**236.75**
6"	6.27-6.90	**RFAP-6A-I**	6	3/4" x 4"	6	8	3/4" x 2-3/4"	38.4	**365.68**
8"	8.40-9.05	**RFAP-8A-I**	6	3/4" x 4-1/2"	6	8	3/4" x 2-3/4"	56.3	**544.50**
10"	10.50-11.10	**RFAP-10A-I**	8	3/4" x 4-1/2"	8	12	7/8" x 3"	79.4	**811.60**
12"	12.50-13.20	**RFAP-12A-I**	8	3/4" x 4-1/2"	8	12	7/8" x 3-1/2"	95.8	**981.57**

RFAP
FOR C900 PVC PIPE



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Approx. Wt. Lbs.	List Price
14"	15.30	**RFAP-1530-D14R-I**	155.9	**$ 1935.87**
16"	17.40	**RFAP-1740-D16R-I**	208.0	**2273.63**
18"	19.50	**RFAP-1950-D18R-I**	220.0	**2689.10**
20"	21.60	**RFAP-2160-D20R-I**	260.4	**3011.49**
24"	25.80	**RFAP-2580-D24R-I**	348.3	**3872.45**
30"	32.00	**RFAP-3200-D30R-I**	543.6	**5808.30**
36"	38.30	**RFAP-3830-D36R-I**	654.9	**P.O.A.**

RFAP FOR STEEL, STEEL SIZED PVC OR STEEL SIZED HDPE PIPE

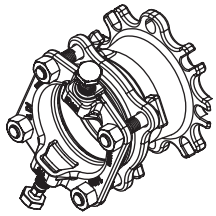


Nom. Pipe Size (In.)	Pipe O.D. (In.)	Catalog Number	Approx. Wt. Lbs.	List Price
14**	14.00	**RFAP-1400ST-D14R-I**	140	**$ 2376.50**
16	16.00	**RFAP-1600S-D16R-I**	205	**2763.20**
18	18.00	**RFAP-1800S-D18R-I**	220	**3218.75**
20	20.00	**RFAP-2000S-D20R-I**	255	**3751.80**
24	24.00	**RFAP-2400S-D24R-I**	312	**4540.50**

**14" for steel pipe only

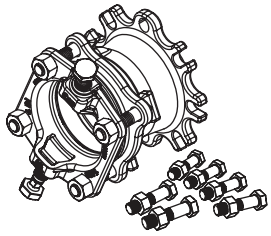
RESTRAINED FLANGE ADAPTER-STYLE RFAD FOR CONVERTING PLAIN END DUCTILE IRON PIPE TO A FLANGE CONNECTION

RFAD
FOR DUCTILE IRON PIPE



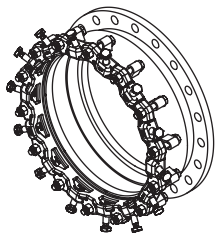
Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	No of Restraint Wedges	T-Bolt Size	T-Bolt Quantity	Approx. Weight Lbs.	List Price
3"	3.96	**RFAD-3-I**	2	5/8" x 3"	4	17.1	**$ 184.74**
4"	4.80	**RFAD-4-I**	2	3/4" x 4"	4	23.5	**204.28**
6"	6.90	**RFAD-6-I**	3	3/4" x 4"	6	32.0	**305.33**
8"	9.05	**RFAD-8-I**	4	3/4" x 4-1/2"	6	45.8	**479.62**
10"	11.10	**RFAD-10-I**	6	3/4" x 4-1/2"	8	62.5	**660.16**
12"	13.20	**RFAD-12-I**	6	3/4" x 4-1/2"	8	85.8	**877.66**

RFAD WITH FLANGE BOLTS
FOR DUCTILE IRON PIPE



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	No of Restraint Wedges	T-Bolt Size	T-Bolt Qty.	Flange Bolt Qty.	Flange Bolt Size	Approx. Weight Lbs.	List Price
3"	3.96	**RFAD-3A-I**	2	5/8" x 3"	4	4	5/8" x 2-1/2"	17.1	**$ 205.42**
4"	4.80	**RFAD-4A-I**	2	3/4" x 4"	4	8	5/8" x 2-1/2"	23.4	**224.90**
6"	6.90	**RFAD-6A-I**	3	3/4" x 4"	6	8	3/4" x 2-3/4"	32.0	**348.57**
8"	9.05	**RFAD-8A-I**	4	3/4" x 4-1/2"	6	8	3/4" x 2-3/4"	51.2	**522.89**
10"	11.10	**RFAD-10A-I**	6	3/4" x 4-1/2"	8	12	7/8" x 3"	75.9	**732.81**
12"	13.20	**RFAD-12A-I**	6	3/4" x 4-1/2"	8	12	7/8" x 3-1/2"	98.6	**937.87**

RFAD
FOR DUCTILE IRON PIPE

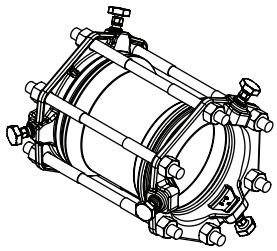


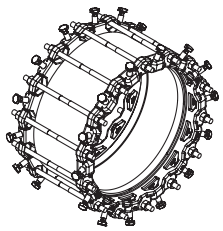
Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Approx. Wt. Lbs.	List Price
14"	15.30	**RFAD-1530-D14R-I**	146.6	**$ 1788.76**
16"	17.40	**RFAD-1740-D16R-I**	208.0	**2155.44**
18"	19.50	**RFAD-1950-D18R-I**	214.1	**2427.67**
20"	21.60	**RFAD-2160-D20R-I**	260.4	**2802.05**
24"	25.80	**RFAD-2580-D24R-I**	309.3	**3614.14**
30"	32.00	**RFAD-3200-D30R-I**	543.6	**5378.19**
36"	38.30	**RFAD-3830-D36R-I**	-	**P.O.A.**

Note: Reducing adapters available. Contact factory for details.

RESTRAINED COUPLING STYLES RCDD, RCDP, OR RCPP

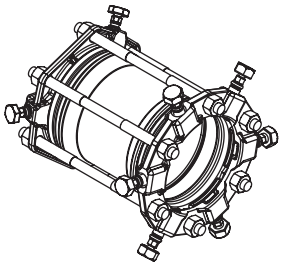
RCDD
FOR DUCTILE IRON PIPE





Nom. Pipe Size	Catalog Number	Pipe O.D. (Inches)	Rods		Approx. Wt. Lbs.	List Price
			Qty.	Size		
3"	**RCDD-3-I**	3.96	4	5/8" x 14"	34.9	**$ 245.28**
4"	**RCDD-4-I**	4.80	4	3/4" x 14"	30.7	**248.17**
6"	**RCDD-6-I**	6.90	6	3/4" x 14"	47.8	**342.94**
8"	**RCDD-8-I**	9.05	6	3/4" x 14"	59.9	**456.51**
10"	**RCDD-10-I**	11.10	8	3/4" x 14"	81.9	**604.81**
12"	**RCDD-12-I**	13.20	8	3/4" x 14"	99.3	**692.43**
14"	**RCDD-14-I**	15.30	10	3/4" x 17"	179.7	**1730.45**
16"	**RCDD-16-I**	17.40	12	3/4" x 17"	204.5	**2118.58**
18"	**RCDD-18-I**	19.50	12	3/4" x 17"	260.6	**2849.81**
20"	**RCDD-20-I**	21.60	14	3/4" x 17"	268.6	**3118.75**
24"	**RCDD-24-I**	25.80	16	3/4" x 17"	328.5	**4122.34**
30"	**RCDD-30-I**	32.00	20	1" x 20"	576.5	**5764.88**
36"	**RCDD-36-I**	38.30	24	1" x 20"	658.9	**9437.58**

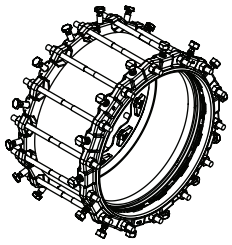
RCDP FOR JOINING DUCTILE IRON PIPE
TO C900, IPS PVC, STEEL, C909, *SDR35 PIPE OR HDPE



Nom. Pipe Size	Catalog Number	Ductile Iron Pipe O.D. (Inches)	PVC, Steel, or DR35 Pipe (Inches)	Rods		Approx. Wt. Lbs.	List Price
				Qty	Size		
3"	**RCDP-3-I**	3.96	3.50	4	5/8" x 14"	34.9	**$ 253.69**
4"	**RCDP-4-I**	4.80	4.21-4.80	4	3/4" x 14"	26.6	**256.37**
6"	**RCDP-6-I**	6.90	6.27-6.90	6	3/4" x 14"	42.4	**349.60**
8"	**RCDP-8-I**	9.05	8.40-9.05	6	3/4" x 14"	54.7	**459.57**
10"	**RCDP-10-I**	11.10	10.50-11.10	8	3/4" x 14"	77.1	**609.37**
12"	**RCDP-12-I**	13.20	12.50-13.20	8	3/4" x 14"	96.5	**696.84**

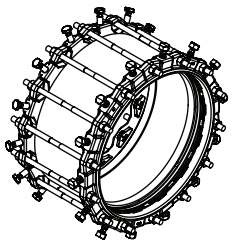
* SDR35 sewer applications require NBR (Buna-N) gasket, add "-N" to end of catalog number.

RCDP FOR JOINING DUCTILE IRON PIPE TO C900 PIPE



Nom. Pipe Size	Catalog Number	Ductile Iron Pipe O.D. (Inches)	Rods		Approx. Wt. Lbs.	List Price
			Qty.	Size		
14"	**RCDP-14-I**	15.30	10	3/4" x 17"	184.1	**$ 1828.66**
16"	**RCDP-16-I**	17.40	12	3/4" x 17"	217.2	**2243.43**
18"	**RCDP-18-I**	19.50	12	3/4" x 17"	278.9	**2954.78**
20"	**RCDP-20-I**	21.60	14	3/4" x 17"	290.0	**3240.89**
24"	**RCDP-24-I**	25.80	16	3/4" x 17"	367.5	**4226.68**
30"	**RCDP-30-I**	32.00	20	1" x 20"	601.5	**5996.98**
36"	**RCDP-36-I**	38.30	24	1" x 20"	605.0	**9705.50**

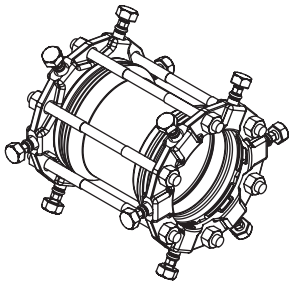
RCDP FOR JOINING DUCTILE IRON PIPE TO STEEL, STEEL SIZED PVC OR STEEL SIZED HDPE PIPE



Nom. Pipe Size (In.)	Catalog Number	Ductile Iron Pipe O.D. (In.)	Steel/Steel Sized Pipe OD (In.)	Rods		Approx. Wt. Lbs.	List Price
				Qty	Size (In.)		
14**	**RCDP-1530-1400ST-R-I**	15.30	14.00	10	3/4 X 17	190	**$ 2086.10**
16	**RCDP-1740-1600S-R-I**	17.40	16.00	12	3/4 X 17	215	**2333.70**
18	**RCDP-1950-1800S-R-I**	19.50	18.00	12	3/4 X 17	255	**2774.75**
20	**RCDP-2160-2000S-R-I**	21.60	20.00	14	3/4 X 17	290	**3025.00**
24	**RCDP-2580-2400S-R-I**	25.80	24.00	16	3/4 X 17	372	**4390.10**

**14" for steel pipe only

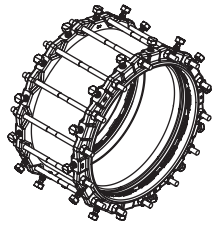
RCPP
FOR C900, IPS PVC, STEEL, C909, *SDR35 SEWER OR HDPE



Nom. Pipe Size	Catalog Number	Pipe O.D. Range (Inches)	Rods		Approx. Wt. Lbs.	List Price
			Qty.	Size		
3"	**RCPP-3-I**	3.50	4	5/8" x 14"	38.9	**$ 258.87**
4"	**RCPP-4-I**	4.21-4.80	4	3/4" x 14"	38.9	**264.51**
6"	**RCPP-6-I**	6.27-6.90	6	3/4" x 14"	58.6	**356.24**
8"	**RCPP-8-I**	8.40-9.05	6	3/4" x 14"	70.2	**462.64**
10"	**RCPP-10-I**	10.50-11.10	8	3/4" x 14"	91.4	**613.88**
12"	**RCPP-12-I**	12.50-13.20	8	3/4" x 14"	104.8	**701.29**

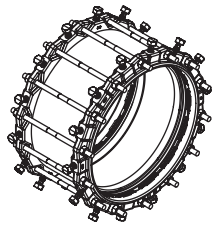
* SDR35 sewer applications require NBR (Buna-N) gasket, add "-N" to end of catalog number.

RCPP
FOR C900 PVC PIPE



Nom. Pipe Size	Catalog Number	Pipe O.D. (Inches)	Rods		Approx. Wt. Lbs.	List Price
			Qty.	Size		
14"	**RCPP-14-I**	15.30	10	3/4" x 17"	188.6	**$ 1926.88**
16"	**RCPP-16-I**	17.40	12	3/4" x 17"	229.9	**2368.31**
18"	**RCPP-18-I**	19.50	12	3/4" x 17"	260.6	**3059.75**
20"	**RCPP-20-I**	21.60	14	3/4" x 17"	310.7	**3363.03**
24"	**RCPP-24-I**	25.80	16	3/4" x 17"	352.7	**4331.01**
30"	**RCPP-30-I**	32.00	20	1" x 20"	517.7	**6229.58**
36"	**RCPP-36-I**	38.30	24	1" x 20"	545.0	**9973.16**

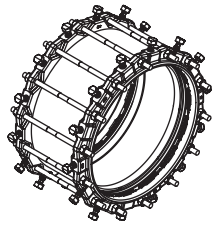
RCPP FOR STEEL, STEEL SIZED PVC OR STEEL SIZED HDPE PIPE BY STEEL, STEEL SIZED PVC OR STEEL SIZED HDPE PIPE



Nom. Pipe Size (In.)	Catalog Number	Pipe O.D. (In.)	Rods		Approx. Wt. Lbs.	List Price
			Qty.	Size		
14**	**RCPP-1400ST-1400ST-R-I**	14.00	10	3/4 x 17	190	**$ 2383.87**
16	**RCPP-1600S-1600S-R-I**	16.00	12	3/4 x 17	240	**2762.38**
18	**RCPP-1800S-1800S-R-I**	18.00	12	3/4 x 17	280	**3522.37**
20	**RCPP-2000S-2000S-R-I**	20.00	14	3/4 x 17	320	**3484.91**
24	**RCPP-2400S-2400S-R-I**	24.00	16	3/4 x 17	424	**5913.05**

**14" for steel pipe only

RCPP FOR C900, IPS PVC, C909 OR *SDR35 SEWER PIPE BY STEEL, STEEL SIZED PVC OR STEEL SIZED HDPE PIPE



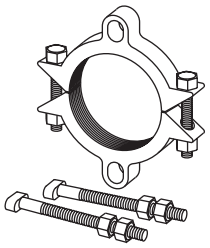
Nom. Pipe Size (In.)	Catalog Number	Pipe O.D. (In.)	Rods		Approx. Wt. Lbs.	List Price
			Qty.	Size		
14**	**RCPP-1530-1400ST-R-I**	14.00	10	3/4 x 17	190	**$ 2213.57**
16	**RCPP-1740-1600S-R-I**	16.00	12	3/4 x 17	240	**2255.06**
18	**RCPP-1950-1800S-R-I**	18.00	12	3/4 x 17	280	**3015.05**
20	**RCPP-2160-2000S-R-I**	20.00	14	3/4 x 17	320	**2919.29**
24	**RCPP-2580-2400S-R-I**	24.00	16	3/4 x 17	424	**5244.69**

* SDR35 sewer applications require NBR (Buna-N) gasket, add "-N" to end of catalog number.
**14" for steel pipe only

Note: Reducing adapters available. Contact factory for details.

UNI-FLANGE RESTRAINTS

SERIES 1300 RESTRAINTS FOR PVC AND DUCTILE IRON PIPE

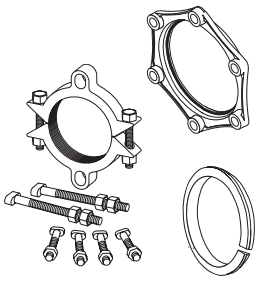


Nom. Pipe Size	PVC Pipe with Steel Pipe O.D.				PVC Pipe with Ductile Iron Pipe O.D.			
	Pipe O.D. (Inches)	Catalog Number	Pallet Qty.	List Price	Pipe O.D. (Inches)	Catalog Number	Pallet Qty.	List Price
2"	2.38	**UFR1300-S-2-I**	32	**$ 49.30**	–	–	–	–
2-1/2"	2.88	**UFR1300-S-25-I**	32	**55.53**	–	–	–	–
3"	3.50	**UFR1300-S-3-I**	32	**59.96**	–	–	–	–
4"	4.50	**UFR1300-S-4-I**	32	**63.62**	4.80	**UFR1300-C-4-I**	32	**$ 59.61**
6"	6.63	**UFR1300-S-6-I**	32	**77.94**	6.90	**UFR1300-C-6-I**	32	**73.20**
8"	8.63	**UFR1300-S-8-I**	32	**104.44**	9.05	**UFR1300-C-8-I**	32	**121.98**
10"	10.75	**UFR1300-S-10-I**	32	**218.44**	11.10	**UFR1300-C-10-I**	32	**204.96**
12"	12.75	**UFR1300-S-12-I**	32	**233.53**	13.20	**UFR1300-C-12-I**	32	**219.23**
14"	14.00	–	–	–	15.30	**UFR1300-C-14-I**	9	**398.77**
16"	16.00	–	–	–	17.40	**UFR1300-C-16-I**	9	**437.45**
18"	18.00	–	–	–	19.50	**UFR1300-C-18-I**	7	**524.90**
20"	20.00	–	–	–	21.60	**UFR1300-C-20-I**	7	**723.92**
24"	24.00	–	–	–	25.80	**UFR1300-C-24-I**	7	**890.22**
30"	30.00	–	–	–	32.00	**UFR1300-C-30-I**	4	**1974.21**
36"	36.00	–	–	–	38.30	**UFR1300-C-36-I**	4	**2369.47**
42"	42.00	–	–	–	44.50	**UFR1300-C-42-I**	4	**5653.53**

Note: 2" through 12" sizes are shipped individually packaged and shrink-wrapped. 14" through 42" items are non-returnable and may be subject to a cancellation fee.

Series 1300-C restraints are also recommended for use on ductile iron pipe in 4" through 16" sizes. See catalog for installation and pressure capabilities.

SERIES 1300 RESTRAINTS PACKAGED WITH ACCESSORIES

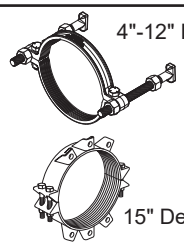


Nom. Pipe Size	PVC Pipe with Ductile Iron Pipe O.D.				PVC Pipe with Steel Pipe O.D.			
	Pipe O.D. (Inches)	Catalog Number	Pallet Qty.	List Price	Pipe O.D. (Inches)	Catalog Number	Pallet Qty.	List Price
2"	-	-	-	–	2.38	**UFR1300-SA-2-I**	32	**$ 69.77**
3"	-	-	-	–	3.50	**UFR1300-SA-3-I**	32	**78.04**
4"	4.80	**UFR1300-CA-4-I**	32	**$ 91.67**	4.50	**UFR1300-SA-4-I**	32	**93.78**
6"	6.90	**UFR1300-CA-6-I**	32	**117.83**	6.63	**UFR1300-SA-6-I**	32	**119.88**
8"	9.05	**UFR1300-CA-8-I**	32	**172.21**	8.63	**UFR1300-SA-8-I**	32	**150.58**
10"	11.10	**UFR1300-CA-10-I**	32	**276.05**	10.75	**UFR1300-SA-10-I**	32	**280.95**
12"	13.20	**UFR1300-CA-12-I**	32	**294.54**	12.75	**UFR1300-SA-12-I**	32	**298.00**

* For sizes 14"-48", contact factory

* For sizes 14"-24", contact factory

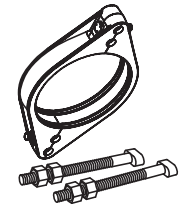
SERIES 1300-P RESTRAINTS FOR SEWER PIPE



Nom. Pipe Size	Sewer Pipe		Restraint Bolts / Rods		Clamping Bolts		Approx. Wt. Lbs.	List Price
	O.D. (Inches)	Catalog Number	No.	Size	No.	Size		
4"	4.22	**UFR1300-P-4-I**	2	3/4"x7"	2	5/8"x2-1/4"	6.7	**$ 61.19**
6"	6.28	**UFR1300-P-6-I**	2	3/4"x7"	2	5/8"x2-1/4"	6.7	**75.49**
8"	8.40	**UFR1300-P-8-I**	2	3/4"x7"	2	5/8"x2-1/4"	7.2	**113.42**
10"	10.50	**UFR1300-P-10-I**	2	3/4"x7"	2	5/8"x2-1/4"	9.5	**187.59**
12"	12.50	**UFR1300-P-12-I**	2	3/4"x7"	2	5/8"x2-1/4"	11.2	**201.12**
15"	15.30	**UFR1300-P-15-I**	4	3/4"x17"	4	7/8"x7"	59.9	**411.20**

SERIES 1309-C RESTRAINT DEVICE FOR C900 PVC, C909 PVC AND C906 HDPE FOR MECHANICAL JOINT/PUSH-ON FITTINGS

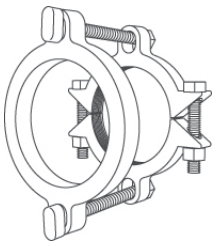
(U.S. PATENT NO. 10,837,584)



Nom. Pipe Size	PVC Pipe with Ductile Iron Pipe O.D.		Restraining Bolts		Clamping Bolts		BC Min.	BC Max.	Approx. Wt. Lbs.	List Price
	O.D. (Inches)	Catalog Number	No.	Size	No.	Size				
4"	4.80	**UFR1309-C-4-I**	2	3/4"x9"	2	5/8"x2-1/2"	7.50"	7.50"	10.00	**$ 71.29**
6"	6.90	**UFR1309-C-6-I**	2	3/4"x9"	2	5/8"x2-1/2"	9.50"	9.50"	11.22	**95.44**
8"	9.05	**UFR1309-C-8-I**	2	3/4"x9"	2	5/8"x3"	11.75"	14.85"	17.62	**138.90**
10"	11.10	**UFR1309-C-10-I**	4	3/4"x9"	2	5/8"x3"	14.00"	15.00"	29.46	**224.26**
12"	13.20	**UFR1309-C-12-I**	4	3/4"x9"	2	5/8"x3"	16.25"	17.50"	34.70	**264.23**
14"	15.30	**UFR1309-C-14-I**	6	3/4"x17"	4	7/8"x5"	18.44"	20.44"	85.64	**669.83**
16"	17.40	**UFR1309-C-16-I**	6	3/4"x17"	4	7/8"x5"	20.50"	22.50"	91.20	**860.87**
18"	19.50	**UFR1309-C-18-I**	8	3/4"x17"	4	7/8"x5"	22.63"	24.63"	101.62	**1018.65**

SERIES 1350 RESTRAINTS FOR C900 PVC PIPE

FOR RESTRAINING BELL JOINTS OF PVC PIPE (new installations only)



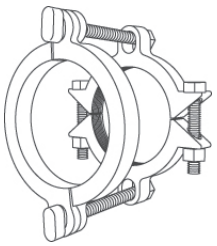
Nom. Pipe Size	PVC Pipe with Steel Pipe O.D.				PVC Pipe with Ductile Iron Pipe O.D.			
	Pipe O.D. (Inches)	Catalog Number	Pallet Qty.	List Price	Pipe O.D. (Inches)	Catalog Number	Pallet Qty.	List Price
2"	2.38	**UFR1350-S-2-I**	32	**$ 71.41**	-	-	-	-
3"	3.50	**UFR1350-S-3-I**	32	**78.67**	-	-	-	-
4"	4.50	**UFR1350-S-4-I**	32	**82.47**	4.80	**UFR1350-C-4-I**	32	**$ 74.79**
6"	6.63	**UFR1350-S-6-I**	40	**98.77**	6.90	**UFR1350-C-6-I**	40	**106.16**
8"	8.63	**UFR1350-S-8-I**	40	**181.60**	9.05	**UFR1350-C-8-I**	40	**172.04**
10"	10.75	**UFR1350-S-10-I**	40	**315.64**	11.10	**UFR1350-C-10-I**	40	**299.96**
12"	12.75	**UFR1350-S-12-I**	40	**345.14**	13.20	**UFR1350-C-12-I**	40	**328.13**
14"	-	-	-	-	15.30	**UFR1350-C-14-I**	-	**727.10**
16"	-	-	-	-	17.40	**UFR1350-C-16-I**	-	**820.63**
18"	-	-	-	-	19.50	**UFR1350-C-18-I**	-	**1009.75**
20"	-	-	-	-	21.60	**UFR1350-C-20-I**	-	**1389.43**
24"	-	-	-	-	25.80	**UFR1350-C-24-I**	-	**1619.40**
30"	-	-	-	-	32.00	**UFR1350-C-30-I**	-	**P.O.A.**
36"	-	-	-	-	38.30	**UFR1350-C-36-I**	-	**P.O.A.**

Note: 14" through 24" items are non-returnable and may be subject to a cancellation fee.

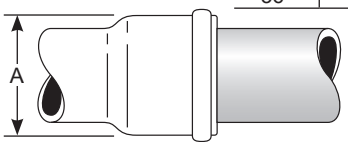
Series 1350 is **not** recommended for use on AWWA C900 DR 14 PVC pipe, 4" through 12" sizes. Use Series 1390 for AWWA C900 DR 14 PVC pipe.

SERIES 1360 RESTRAINTS FOR PVC PIPE

FOR RESTRAINING PVC PIPE TO C907 PVC PRESSURE FITTING JOINTS



Nom. Pipe Size	PVC Pipe with Steel Pipe O.D.				PVC Pipe with Ductile Iron Pipe O.D.			
	Pipe O.D. (Inches)	Catalog Number	Pallet Qty.	List Price	Pipe O.D. (Inches)	Catalog Number	Pallet Qty.	List Price
2"	2.38	**UFR1360-S-2-I**	20	**$ 74.65**	-	-	-	-
2-1/2"	2.88	**UFR1360-S-25-I**	20	**82.92**	-	-	-	-
3"	3.50	**UFR1360-S-3-I**	20	**85.07**	-	-	-	-
4"	4.50	**UFR1360-S-4-I**	32	**100.41**	4.80	**UFR1360-C-4-I**	32	**$ 94.09**
6"	6.63	**▲UFR1360-S-6-I**	40	**134.59**	6.90	**UFR1360-C-6-I**	40	**126.17**
8"	8.63	**▲UFR1360-S-8-I**	40	**219.55**	9.05	**UFR1360-C-8-I**	40	**206.00**
10"	10.75	*** UFR1360-S-10-xxxx-I**	20	**623.37**	11.10	**UFR1360-C-10-I**	20	**338.80**
12"	12.75	*** UFR1360-S-12-xxxx-I**	20	**804.90**	13.20	**UFR1360-C-12-I**	20	**395.61**
14"	-	-	-	-	15.30	***UFR1360-C-14-xxxx-I**	-	**967.24**
16"	-	-	-	-	17.40	***UFR1360-C-16-xxxx-I**	-	**1109.44**
18"	-	-	-	-	19.50	***UFR1360-C-18-xxxx-I**	-	**1209.84**
20"	-	-	-	-	21.60	***UFR1360-C-20-xxxx-I**	-	**1724.99**
24"	-	-	-	-	25.80	***UFR1360-C-24-xxxx-I**	-	**2161.03**
30"	-	-	-	-	32.00	***UFR1360-C-30-xxxx-I**	-	**3829.79**
36"	-	-	-	-	38.30	***UFR1360-C-36-xxxx-I**	-	**4595.77**



A = Bell Run O.D.

* The bell run outside diameter must be provided. See drawing at left.

Note: Split back-up rings for series 1360 restraints are specially built to the specific dimension of the PVC fitting bell.

8" x 6" and 8" x 4" IPEX tees require larger back-up rings to fit the branch. Add "-MODT" to the catalog number. Example: UFR1360-C-4-MODT-I

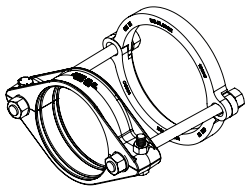
14" through 36" items are non-returnable and may be subject to a cancellation fee.

▲ These units will not fit on IPEX 90º ells.

SERIES 1369 RESTRAINTS FOR C909 PIPE

FOR RESTRAINING PVCO PIPE TO C907 PRESSURE FITTING JOINTS

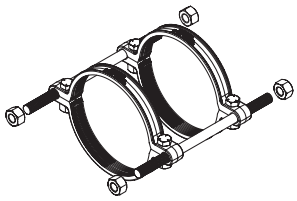
(U.S. PATENT NO. 10,837,584)



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Connection Rods Number and size	Approx. Wt. Lbs.	List Price
4"	4.80	**UFR1369-C-4-I**	(2) 3/4" x 12"	14.70	**$ 124.47**
6"	6.90	**UFR1369-C-6-I**	(2) 3/4" x 12"	18.60	**132.44**
8"	9.05	**UFR1369-C-8-I**	(2) 3/4" x 12"	31.04	**218.30**
10"	11.10	**UFR1369-C-10-I**	(4) 3/4" x 24"	42.90	**439.17**
12"	13.20	**UFR1369-C-12-I**	(4) 3/4" x 24"	51.24	**525.37**

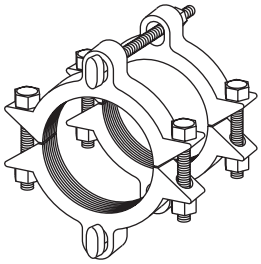
SERIES 1390 RESTRAINTS
FOR RESTRAINING BELL JOINTS

SERIES 1390-P RESTRAINTS FOR SEWER PIPE



Nom. Pipe Size	Sewer Pipe Style 1300-P		Restraint Bolts / Rods		Clamping Bolts		Approx. Wt. Lbs.	List Price
	Pipe O.D. (Inches)	Catalog Number	No.	Size	No.	Size		
4"	4.22	**UFR1390-P-4-I**	2	3/4"x17"	4	5/8"x2-1/4"	10.7	**$ 99.22**
6"	6.28	**UFR1390-P-6-I**	2	3/4"x17"	4	5/8"x2-1/4"	11.7	**130.37**
8"	8.40	**UFR1390-P-8-I**	2	3/4"x17"	4	5/8"x2-1/4"	15.5	**187.05**
10"	10.50	**UFR1390-P-10-I**	2	3/4"x17"	4	5/8"x2-1/4"	18.0	**288.55**
12"	12.50	**UFR1390-P-12-I**	2	3/4"x17"	4	5/8"x2-1/4"	21.3	**316.87**
15"	15.30	**UFR1390-P-15-I**	4	3/4"x30"	4	7/8" x 5"	95.4	**738.45**

SERIES 1390 RESTRAINTS FOR PVC AND DUCTILE IRON PIPE
FOR RESTRAINING BELL JOINTS OF PVC PIPE OR DUCTILE IRON PIPE



Nom. Pipe Size	PVC Pipe with Steel Pipe O.D.				PVC Pipe with Ductile Iron Pipe O.D.			
	Pipe O.D. (Inches)	Catalog Number	Pallet Qty.	List Price	Pipe O.D. (Inches)	Catalog Number	Pallet Qty.	List Price
2"	2.38	**UFR1390-S-2-I**	20	**$ 77.94**	-	-	-	-
2-1/2"	2.88	**UFR1390-S-25-I**	20	**80.54**	-	-	-	-
3"	3.50	**UFR1390-S-3-I**	20	**84.23**	-	-	-	-
4"	4.50	**UFR1390-S-4-I**	32	**89.34**	4.80	**UFR1390-C-4-I**	32	**$ 87.08**
6"	6.63	**UFR1390-S-6-I**	40	**105.90**	6.90	**UFR1390-C-6-I**	40	**111.32**
8"	8.63	**UFR1390-S-8-I**	40	**193.44**	9.05	**UFR1390-C-8-I**	40	**171.57**
10"	10.75	**UFR1390-S-10-I**	40	**336.13**	11.10	**UFR1390-C-10-I**	40	**298.17**
12"	12.75	**UFR1390-S-12-I**	40	**367.75**	13.20	**UFR1390-C-12-I**	40	**326.35**
14"	-	-	-	-	15.30	**UFR1390-C-14-I**	9	**729.55**
16"	-	-	-	-	17.40	**UFR1390-C-16-I**	9	**822.59**
18"	-	-	-	-	19.50	**UFR1390-C-18-I**	7	**1018.47**
20"	-	-	-	-	21.60	**UFR1390-C-20-I**	7	**1438.42**
24"	-	-	-	-	25.80	**UFR1390-C-24-I**	7	**1682.76**
30"	-	-	-	-	32.00	**UFR1390-C-30-I**	2	**3310.57**
36"	-	-	-	-	38.30	**UFR1390-C-36-I**	2	**4104.94**
42"	-	-	-	-	44.50	**UFR1390-C-42-I**	2	**9407.47**

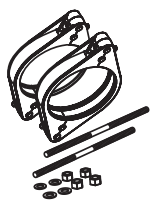
Note: Series 1390-C restraints are also recommended for use on ductile iron pipe in 4" through 16" sizes. See catalog for installation and pressure capabilities.

2" through 12" sizes are shipped individually packaged with hardware and shrink-wrapped.

14" through 42" items are non-returnable and may be subject to a cancellation fee.

1390's can be used with FC1 (2" through 12") if rods are positioned to avoid coupling bolts. Not compatible with all FC2A's.

SERIES 1399 RESTRAINT
SPLIT RESTRAINT FOR C909 PVC PUSH-ON JOINTS (for new or existing installations)
(U.S. PATENT NO. 10,837,584)

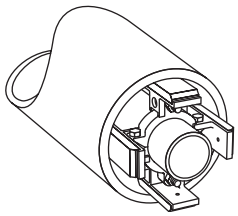


Nom. Pipe Size	Pipe O.D. (Inches)	Pressure Rating (PSI)	Catalog Number	No. of Rods	Rod Length	Rod Dia.	*Max Bell Dia.	Approx. Wt. Lbs.	List Price
4"	4.80	235	**UFR1399-C-4-I**	2	17"	3/4"	6.63"	17.70	**$ 141.56**
6"	6.90	235	**UFR1399-C-6-I**	2	17"	3/4"	8.63"	20.50	**190.94**
8"	9.05	235	**UFR1399-C-8-I**	2	17"	3/4"	14.00"	33.40	**265.50**
10"	11.10	235	**UFR1399-C-10-I**	4	24"	3/4"	14.13"	61.14	**401.78**
12"	13.20	235	**UFR1399-C-12-I**	4	24"	3/4"	16.63"	72.5	**512.69**
14"	15.30	235	**UFR1399-C-14-I**	6	30"	3/4"	19.56"	164.44	**1386.82**
16"	17.40	235	**UFR1399-C-16-I**	6	30"	3/4"	21.62"	175.52	**1636.24**
18"	19.50	235	**UFR1399-C-18-I**	8	30"	3/4"	23.75"	194.12	**1917.98**

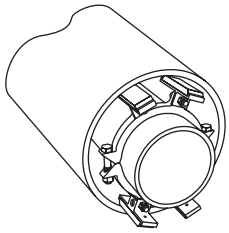
*** Note:** Connecting rods WILL NOT CLEAR a pipe bell with a maximum diameter larger than the listed measurement. These diameters do not include joint deflection. Confirm pipe bell diameter before ordering.

SERIES 1300 CASING SPACER FOR PVC AND DUCTILE IRON PIPE* SUPPORT

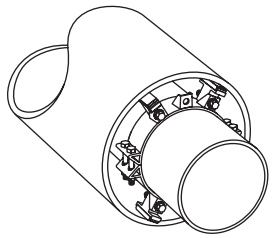
RECOMMENDED EVERY 10 FEET ALONG CARRIER PIPE INSIDE CASING



4", 6" and 8"
Casing Spacer for support of pipe



10" and 12"
Casing Spacer for support of pipe



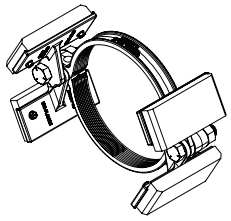
14" through 24"
Casing Spacer for support of pipe

Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Number of Runners	Min. Casing Size I.D.	Approx. Wt. Lbs.	List Price
4"	4.80	**UFRCS1300-C-4-I**	4	12.4"	14.7	**$ 195.77**
6"	6.90	**UFRCS1300-C-6-I**	4	14.0"	16.4	**207.52**
8"	9.05	**UFRCS1300-C-8-I**	4	17.8"	21.8	**235.63**
10"	11.10	**UFRCS1300-C-10-I**	4	21.5"	29.4	**364.88**
12"	13.20	**UFRCS1300-C-12-I**	4	23.0"	32.2	**390.58**
14"	15.30	**UFRCS1300-C-14-I**	4	27.0"	69.8	**649.35**
16"	17.40	**UFRCS1300-C-16-I**	4	30.0"	70.4	**736.34**
18"	19.50	**UFRCS1300-C-18-I**	4	31.0"	92.8	**852.21**
20"	21.60	**UFRCS1300-C-20-I**	4	33.0"	116.8	**1198.50**
24"	25.80	**UFRCS1300-C-24-I**	4	39.0"	142.8	**1238.09**

Note: 14" through 24" items are non-returnable and may be subject to a cancellation fee.

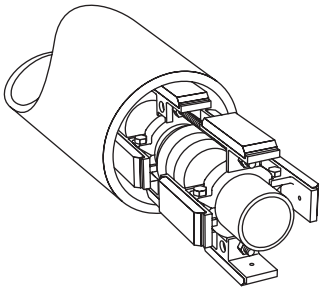
* 4" through 16" sizes are also recommended for use on ductile iron pipe. See catalog for pressure capabilities.

SERIES 1300-P CASING SPACERS FOR SEWER PIPE

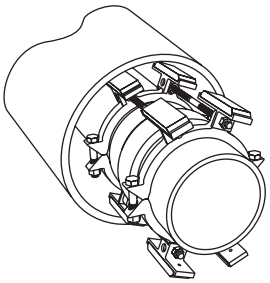


Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Number of Runners	Min. Casing Size I.D.	Approx. Wt. Lbs.	List Price
4"	4.21	**UFRCS1300-P-4-I**	2	10.5"	16.1	**$ 202.00**
6"	6.28	**UFRCS1300-P-6-I**	2	12.2"	17.1	**216.30**
8"	8.40	**UFRCS1300-P-8-I**	2	14.5"	12.3	**235.63**
10"	10.50	**UFRCS1300-P-10-I**	2	16.8"	18.0	**309.73**
12"	12.50	**UFRCS1300-P-12-I**	2	19.2"	19.7	**323.35**
15"	15.30	**UFRCS1300-P-15-I**	4	27.0"	69.8	**684.13**

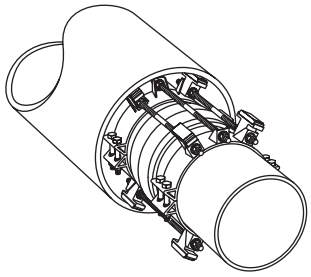
SERIES 1390 RESTRAINED CASING SPACER FOR PVC AND DUCTILE IRON PIPE* BELL SUPPORT



4", 6" and 8"
Restrained Casing Spacer
for Pipe Bell Joint



10" and 12"
Restrained Casing Spacer
for Pipe Bell Joint



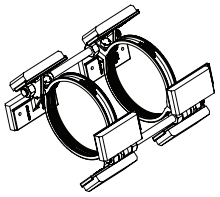
14" through 24"
Restrained Casing Spacer
for Pipe Bell Joint

Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Number of Runners	Min Casing Size I.D.	Rods		Approx. Wt. Lbs.	List Price
					Qty.	Size		
4"	4.80	**UFRCS1390-C-4-I**	8	12.4"	2	3/4" x 17"	32.1	**$ 397.09**
6"	6.90	**UFRCS1390-C-6-I**	8	14.0"	2	3/4" x 17"	35.6	**432.27**
8"	9.05	**UFRCS1390-C-8-I**	8	17.8"	2	3/4" x 17"	46.3	**479.16**
10"	11.10	**UFRCS1390-C-10-I**	8	21.5"	4	3/4" x 24"	67.4	**724.28**
12"	13.20	**UFRCS1390-C-12-I**	8	23.0"	4	3/4" x 24"	72.8	**775.09**
14"	15.30	**UFRCS1390-C-14-I**	8	27.0"	6	3/4" x 30"	156.4	**1498.29**
16"	17.40	**UFRCS1390-C-16-I**	8	30.0"	6	3/4" x 30"	159.8	**1546.16**
18"	19.50	**UFRCS1390-C-18-I**	8	31.0"	8	3/4" x 30"	209.4	**1813.89**
20"	21.60	**UFRCS1390-C-20-I**	8	33.0"	8	3/4" x 36"	257.4	**2508.33**
24"	25.80	**UFRCS1390-C-24-I**	8	39.0"	12	3/4" x 36"	324.1	**2615.70**

Note: 14" through 24" items are non-returnable and may be subject to a cancellation fee.

* 4" through 16" sizes are also recommended for use on ductile iron pipe.
See catalog for pressure capabilities.

SERIES 1390-P CASING SPACERS FOR SEWER PIPE

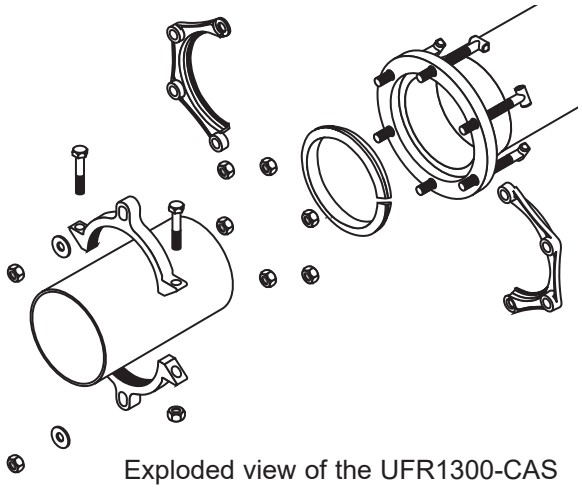


Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Number of Runners	Min Casing Size I.D.	Rods		Approx. Wt. Lbs.	List Price
					Qty.	Size		
4"	4.21	**UFRCS1390-P-4-I**	8	10.5"	2	3/4" x 17"	28.2	**$ 344.97**
6"	6.28	**UFRCS1390-P-6-I**	8	12.2"	2	3/4" x 17"	29.1	**376.11**
8"	8.40	**UFRCS1390-P-8-I**	8	14.5"	2	3/4" x 17"	28.9	**479.16**
10"	10.50	**UFRCS1390-P-10-I**	8	16.8"	2	3/4" x 17"	33.5	**581.73**
12"	12.50	**UFRCS1390-P-12-I**	8	19.2"	2	3/4" x 17"	36.7	**608.96**
15"	15.30	**UFRCS1390-P-15-I**	8	27.0"	4	3/4" x 30"	149.5	**1237.81**

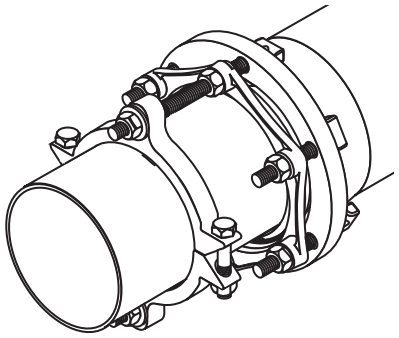
UNI-FLANGE RESTRAINTS

SERIES 1300-CAS AND 1300-SAS MECHANICAL JOINT REPAIR KIT FOR DUCTILE IRON AND PVC PIPE

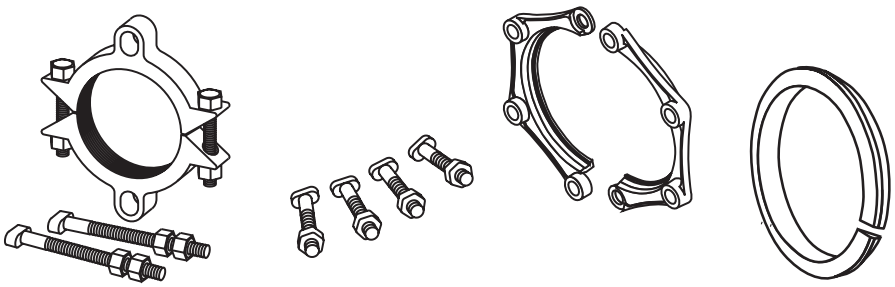
The Uni-Flange Mechanical Joint Repair Kit is designed to repair an existing mechanical joint installation. The two-piece gland and split gasket provide for easy installation on existing pipe. The Uni-Flange Mechanical Joint Repair Kit combines the ability to repair a leak with restraint for the existing joint.



Exploded view of the UFR1300-CAS



Assembled view of the UFR1300-CAS



PACKAGE CONTAINS

1 - 1300 series restraint
1 - Set of high strength low alloy T-bolts (AWWA C111)
1 - Split mechanical joint gasket
1 - Split (two-piece) mechanical joint gland

The kit is shrink-wrapped in a weather-resistant carton.

Nom. Pipe Size	PVC Pipe with Steel Pipe O.D.		Ductile Iron Pipe O.D.		Approx. Wt. Lbs.	List Price
	Pipe O.D. (Inches)	Catalog Number	Pipe O.D.	Catalog Number		
4"	4.50	**UFR1300-SAS-4-I**	4.80	**UFR1300-CAS-4-I**	14.0	**$ 125.50**
6"	6.63	**UFR1300-SAS-6-I**	6.90	**UFR1300-CAS-6-I**	18.9	**175.95**
8"	8.63	**UFR1300-SAS-8-I**	9.05	**UFR1300-CAS-8-I**	24.2	**218.44**
10"	10.75	**UFR1300-SAS-10-I**	11.10	**UFR1300-CAS-10-I**	37.3	**294.19**
12"	12.75	**UFR1300-SAS-12-I**	13.20	**UFR1300-CAS-12-I**	43.6	**453.11**

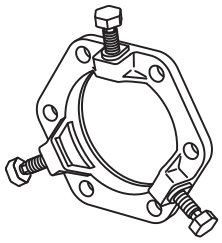
Note: The UFR1300-CAS and UFR1300-SAS are rated for a 150 PSI hydraulic seal.

SERIES 1400 WEDGE ACTION RESTRAINT GLAND FOR DUCTILE IRON PIPE

WORKING PRESSURE - 3" - 16" ***350 PSI***
- 18" - 48" ***250 PSI***

Listed
(4" through 48" sizes)

◁FM▷Approved
(4" through 12" sizes)



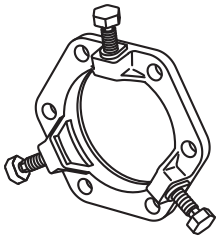
Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Pressure Rating (PSI)	No. of Wedges	Approx. Weight Lbs.	Pallet Qty.	List Price
3"	3.96	**UFR1400-D-3-I**	350	2	5.1	80	**$ 44.99**
4"	4.80	**UFR1400-D-4-I**	350	2	6.6	80	**47.66**
6"	6.90	**UFR1400-D-6-I**	350	3	8.9	45	**56.07**
8"	9.05	**UFR1400-D-8-I**	350	4	17.0	45	**84.28**
10"	11.10	**UFR1400-D-10-I**	350	6	20.9	25	**124.92**
12"	13.20	**UFR1400-D-12-I**	350	8	26.9	20	**181.98**
14"	15.30	**UFR1400-D-14-I**	350	10	41.6	10	**241.55**
16"	17.40	**UFR1400-D-16-I**	350	12	47.1	10	**344.73**
18"	19.50	**UFR1400-D-18-I**	250	12	59.1	10	**488.34**
20"	21.60	**UFR1400-D-20-I**	250	14	67.3	10	**606.47**
24"	25.80	**UFR1400-D-24-I**	250	16	85.5	10	**842.10**
30"	32.00	***UFR1400-D-30-I**	250	20	171.4	5	**1926.09**
36"	38.30	***UFR1400-D-36-I**	250	24	216.8	5	**2465.31**
42"	44.50	***UFR1400-D-42-I**	250	28	472.4	5	**3544.97**
48"	50.80	***UFR1400-D-48-I**	250	32	569.7	5	**4872.69**

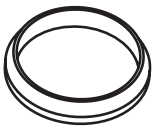
Note: The Series 1400 is recommended for use ONLY on ductile iron pipe.
1400's are bundled in quantities of five. Ford encourages purchases in quantities of five.
*30" through 48" sizes include a Uni-Seal gasket.

SERIES 1400 WEDGE ACTION RESTRAINT GLAND FOR DUCTILE IRON PIPE PACKAGED WITH ACCESSORIES

WORKING PRESSURE - 3" - 16" ***350 PSI***
- 18" - 48" ***250 PSI***







Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Pressure Rating (PSI)	No. of Wedges	Approx. Weight Lbs.	Pallet Qty.	List Price
3"	3.96	**UFR1400-DA-3-I**	350	2	7.3	27	**$ 68.17**
4"	4.80	**UFR1400-DA-4-I**	350	2	10.7	27	**74.20**
6"	6.90	**UFR1400-DA-6-I**	350	3	14.9	40	**91.67**
8"	9.05	**UFR1400-DA-8-I**	350	4	19.2	40	**124.92**
10"	11.10	**UFR1400-DA-10-I**	350	6	28.4	40	**177.62**
12"	13.20	**UFR1400-DA-12-I**	350	8	34.6	40	**238.71**
14"	15.30	**UFR1400-DA-14-I**	350	10	51.4	10	**317.52**
16"	17.40	**UFR1400-DA-16-I**	350	12	58.7	10	**428.37**
18"	19.50	**UFR1400-DA-18-I**	250	12	70.9	10	**579.30**
20"	21.60	**UFR1400-DA-20-I**	250	14	80.9	10	**706.87**
24"	25.80	**UFR1400-DA-24-I**	250	16	101.6	10	**957.81**
30"	32.00	**UFR1400-DA-30-I**	250	20	213.4	5	**2126.54**
36"	38.30	**UFR1400-DA-36-I**	250	24	245.0	5	**2710.02**
42"	44.50	**UFR1400-DA-42-I**	250	28	570.4	5	**4115.36**
48"	50.80	**UFR1400-DA-48-I**	250	32	681.7	5	**5259.66**

PACKAGE CONTAINS

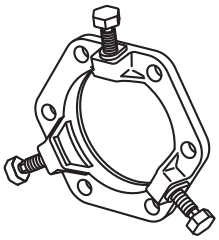
1 - Series 1400 restraint gland
1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
1 - Mechanical joint gasket, 3" through 12" (AWWA C111)

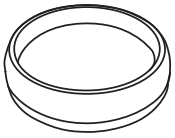
3" through 12" sizes are shrink-wrapped in a weather-resistant carton.
30" through 48" sizes are bulk packaged with Uni-Seal gasket.

SERIES 1400 RESTRAINT GLAND
PACKAGED WITH SO-EZ GASKET AND ACCESSORIES

*WORKING PRESSURE - **350 PSI***







Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Pressure Rating (PSI)	No. of Wedges	Approx. Weight Lbs.	Pallet Qty.	List Price
3"	3.96	**UFR1400-ZA-3-I**	350	2	8.7	27	**$ 70.85**
4"	4.80	**UFR1400-ZA-4-I**	350	2	10.1	27	**80.77**
6"	6.90	**UFR1400-ZA-6-I**	350	3	14.8	40	**99.69**
8"	9.05	**UFR1400-ZA-8-I**	350	4	19.2	40	**133.10**
10"	11.10	**UFR1400-ZA-10-I**	350	6	28.4	40	**189.65**
12"	13.20	**UFR1400-ZA-12-I**	350	8	34.6	40	**252.12**

PACKAGE CONTAINS

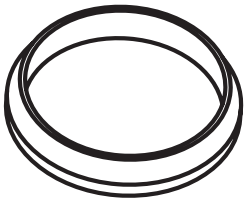
1 - Series 1400 restraint gland
1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
1 - SO-EZ gasket, 3" through 12" (AWWA C111)

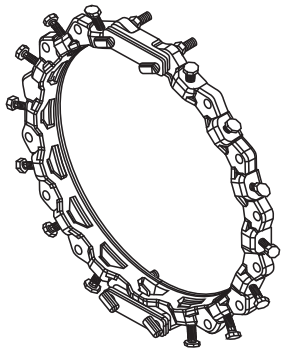
3" through 12" sizes are shrink-wrapped in a weather-resistant carton.

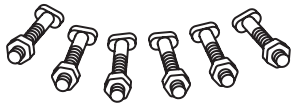
SERIES 1405 SPLIT WEDGE ACTION RESTRAINT

FOR DUCTILE IRON PIPE, PACKAGED WITH ACCESSORIES

*WORKING PRESSURE 3" - 12" **350 PSI** / 14" - 16" **300 PSI** / 18" - 36" **200 PSI***





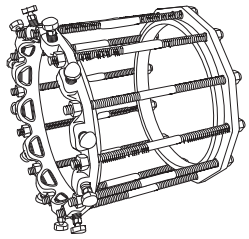


Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Pressure Rating (PSI)	No. of Wedges	Pallet Qty.	Approx. Weight Lbs.	List Price
3"	3.96	**UFR1405-DA-3-I**	350	2	27	9.4	**$ 139.85**
4"	4.80	**UFR1405-DA-4-I**	350	2	27	12.5	**158.01**
6"	6.90	**UFR1405-DA-6-I**	350	3	40	16.5	**223.08**
8"	9.05	**UFR1405-DA-8-I**	350	4	40	21.8	**274.67**
10"	11.10	**UFR1405-DA-10-I**	350	6	40	35.4	**342.91**
12"	13.20	**UFR1405-DA-12-I**	350	8	40	41.6	**425.91**
14"	15.30	**UFR1405-DA-14-I**	300	8	10	56.1	**932.02**
16"	17.40	**UFR1405-DA-16-I**	300	10	10	60.7	**1043.56**
18"	19.50	**UFR1405-DA-18-I**	200	10	10	74.2	**1281.96**
20"	21.60	**UFR1405-DA-20-I**	200	12	10	82.8	**1596.72**
24"	25.80	**UFR1405-DA-24-I**	200	14	10	108.6	**2639.27**
30"	32.00	**UFR1405-DA-30-I**	200	18	5	226.7	**4037.28**
36"	38.30	**UFR1405-DA-36-I**	200	22	5	294.3	**5311.26**

SERIES 1450 WEDGE ACTION RESTRAINT HARNESS

FOR PUSH-ON JOINTS OF DUCTILE IRON PIPE (new installations only)

WORKING PRESSURE - 3" - 16" ***350 PSI*** */ 18" - 36"* ***250 PSI***



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Pressure Rating (PSI)	No. of Rods	Rod Length	Rod Dia.	Max Bell Dia.	Approx. Weight Lbs.	List Price
3"	3.96	**UFR1450-D-3-I**	350	4	14"	5/8"	5.50"	11.4	**$ 91.01**
4"	4.80	**UFR1450-D-4-I**	350	4	17"	3/4"	6.62"	18.6	**92.73**
6"	6.90	**UFR1450-D-6-I**	350	6	17"	3/4"	8.62"	29.1	**137.28**
8"	9.05	**UFR1450-D-8-I**	350	6	17"	3/4"	10.88"	34.6	**178.83**
10"	11.10	**UFR1450-D-10-I**	350	8	24"	3/4"	13.12"	54.1	**313.36**
12"	13.20	**UFR1450-D-12-I**	350	8	24"	3/4"	15.38"	65.2	**392.14**
14"	15.30	**UFR1450-D-14-I**	350	10	24"	3/4"	17.88"	85.4	**788.10**
16"	17.40	**UFR1450-D-16-I**	350	12	24"	3/4"	20.12"	103.6	**879.08**
18"	19.50	**UFR1450-D-18-I**	250	12	24"	3/4"	22.38"	142.7	**969.33**
20"	21.60	**UFR1450-D-20-I**	250	14	24"	3/4"	24.62"	131.6	**1374.33**
24"	25.80	**UFR1450-D-24-I**	250	16	24"	3/4"	29.12"	200.5	**1780.07**
30"	32.00	**UFR1450-D-30-I**	250	10	24"	1"	35.80"	369.3	**3378.89**
36"	38.30	**UFR1450-D-36-I**	250	12	24"	1"	42.60"	452.5	**4941.80**
42"	44.50	**UFR1450-D-42-I**	250	28	52"	1-1/4"	49.25"	1303.8	**10252.71**
48"	50.80	**UFR1450-D-48-I**	250	32	52"	1-1/4"	56.13"	1367.9	**13351.36**

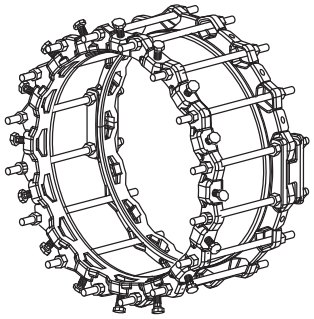
Note: Connecting rods WILL NOT CLEAR a pipe bell with a maximum diameter larger than the listed measurement. These diameters do not include joint deflection. Confirm pipe bell diameter before ordering.

Due to design variations related to sizing, items may differ from image shown.

SERIES 1455 WEDGE ACTION RESTRAINT WITH SPLIT BACK UP RING

FOR PUSH-ON JOINTS OF DUCTILE IRON PIPE (new installations only)

WORKING PRESSURE 3" - 12" ***350 PSI*** */ 14" - 16"* ***300 PSI*** */ 18" - 36"* ***200 PSI***



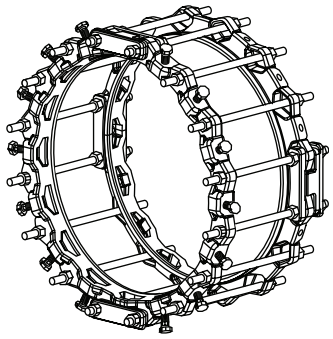
Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Pressure Rating (PSI)	No. of Rods	Rod Length	Rod Dia.	Max Bell Dia.	Approx. Weight Lbs.	List Price
3"	3.96	**UFR1455-D-3-I**	350	4	14"	5/8"	5.50"	16.5	**$ 124.52**
4"	4.80	**UFR1455-D-4-I**	350	4	17"	3/4"	6.62"	22.6	**162.35**
6"	6.90	**UFR1455-D-6-I**	350	6	17"	3/4"	8.62"	22.0	**198.21**
8"	9.05	**UFR1455-D-8-I**	350	6	17"	3/4"	10.88"	39.9	**240.38**
10"	11.10	**UFR1455-D-10-I**	350	8	24"	3/4"	13.12"	73.3	**429.42**
12"	13.20	**UFR1455-D-12-I**	350	8	24"	3/4"	15.38"	83.9	**480.08**
14"	15.30	**UFR1455-D-14-I**	300	10	24"	3/4"	17.88"	120.3	**788.10**
16"	17.40	**UFR1455-D-16-I**	300	12	24"	3/4"	20.12"	134.4	**879.08**
18"	19.50	**UFR1455-D-18-I**	200	12	24"	3/4"	22.38"	158.3	**1074.57**
20"	21.60	**UFR1455-D-20-I**	200	14	24"	3/4"	24.62"	178.7	**1374.33**
24"	25.80	**UFR1455-D-24-I**	200	16	24"	3/4"	29.12"	218.8	**1780.07**
30"	32.00	**UFR1455-D-30-I**	200	20	24"	1"	35.80"	447.1	**3378.89**
36"	38.30	**UFR1455-D-36-I**	200	24	24"	1"	42.60"	564.6	**4941.80**

Note: Connecting rods WILL NOT CLEAR a pipe bell with a maximum diameter larger than the listed measurement. These diameters do not include joint deflection. Confirm pipe bell diameter before ordering.

SERIES 1490 SPLIT WEDGE ACTION RESTRAINT WITH SPLIT BACK UP RING

FOR PUSH-ON JOINTS OF DUCTILE IRON PIPE (new or existing installations only)

*WORKING PRESSURE 3" - 12" **350 PSI** / 14" - 16" **300 PSI** / 18" - 36" **200 PSI***



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Pressure Rating (PSI)	No. of Rods	Rod Length	Rod Dia.	Max Bell Dia.	Approx. Weight Lbs.	List Price
3"	3.96	**UFR1490-D-3-I**	350	4	14"	5/8"	5.50"	17.8	**$ 268.40**
4"	4.80	**UFR1490-D-4-I**	350	4	17"	3/4"	6.62"	25.3	**288.27**
6"	6.90	**UFR1490-D-6-I**	350	6	17"	3/4"	8.62"	33.6	**411.30**
8"	9.05	**UFR1490-D-8-I**	350	6	17"	3/4"	10.88"	42.8	**490.40**
10"	11.10	**UFR1490-D-10-I**	350	8	24"	3/4"	13.12"	87.9	**799.59**
12"	13.20	**UFR1490-D-12-I**	350	8	24"	3/4"	15.38"	98.6	**959.55**
14"	15.30	**UFR1490-D-14-I**	300	10	24"	3/4"	17.88"	131.7	**1374.33**
16"	17.40	**UFR1490-D-16-I**	300	12	24"	3/4"	20.12"	162.0	**1613.43**
18"	19.50	**UFR1490-D-18-I**	200	12	24"	3/4"	22.38"	172.0	**1989.88**
20"	21.60	**UFR1490-D-20-I**	200	14	24"	3/4"	24.62"	192.6	**2467.77**
24"	25.80	**UFR1490-D-24-I**	200	16	24"	3/4"	29.12"	232.3	**3112.59**
30"	32.00	**UFR1490-D-30-I**	200	20	24"	1"	35.80"	436.0	**4656.67**
36"	38.30	**UFR1490-D-36-I**	200	24	24"	1"	42.60"	584.3	**6580.36**

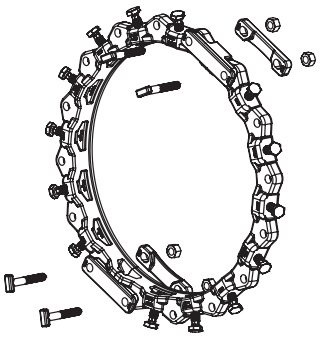
Note: Connecting rods WILL NOT CLEAR a pipe bell with a maximum diameter larger than the listed measurement. These diameters do not include joint deflection. Confirm pipe bell diameter before ordering.

SERIES 1495 MID-SPAN SPLIT DUCTILE IRON RESTRAINT

FOR RESTRAINING DUCTILE IRON LINES MID-SPAN

(new or existing installations)

*WORKING PRESSURE 3" - 12" **350 PSI** / 14" - 16" **300 PSI** / 18" - 36" **200 PSI***



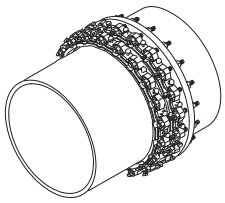
Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Pressure Rating (PSI)	Max Bell Dia.	Approx. Weight Lbs.	List Price
3"	3.96	**UFR1495-D-3-I**	350	5.50"	7.0	**$ 114.48**
4"	4.80	**UFR1495-D-4-I**	350	6.62"	11.9	**132.46**
6"	6.90	**UFR1495-D-6-I**	350	8.62"	13.6	**177.97**
8"	9.05	**UFR1495-D-8-I**	350	10.88"	42.8	**230.70**
10"	11.10	**UFR1495-D-10-I**	350	13.12"	35.2	**309.66**
12"	13.20	**UFR1495-D-12-I**	350	15.38"	41.4	**475.90**
14"	15.30	**UFR1495-D-14-I**	300	17.88"	60.2	**735.85**
16"	17.40	**UFR1495-D-16-I**	300	20.12"	63.6	**1011.43**
18"	19.50	**UFR1495-D-18-I**	200	22.38"	75.7	**1200.81**
20"	21.60	**UFR1495-D-20-I**	200	24.62"	89.0	**1658.53**
24"	25.80	**UFR1495-D-24-I**	200	29.12"	146.3	**1897.38**
30"	32.00	**UFR1495-D-30-I**	200	35.80"	185.0	**4526.01**
36"	38.30	**UFR1495-D-36-I**	200	42.60"	329.0	**5321.06**

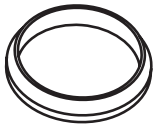
Note: Connecting rods WILL NOT CLEAR a pipe bell with a maximum diameter larger than the listed measurement. These diameters do not include joint deflection. Confirm pipe bell diameter before ordering.

SERIES 2800 PACKAGED WITH ACCESSORIES

*WORKING PRESSURE - 3" - 12" **500 PSI***
*- 14" - 16" **450 PSI***
*- 18" - 36" **350 PSI***







Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Pressure Rating (PSI)	Approx. Weight Lbs.	Pallet Qty.	Bolt Size & Length	List Price
3"	3.96	**UFR2800-DA-3-I**	500	12.0	14	5/8" x 9"	**$ 137.94**
4"	4.80	**UFR2800-DA-4-I**	500	19.3	14	3/4" x 7"	**150.03**
6"	6.90	**UFR2800-DA-6-I**	500	28.7	20	3/4" x 7"	**190.24**
8"	9.05	**UFR2800-DA-8-I**	500	36.7	20	3/4" x 7"	**253.04**
10"	11.10	**UFR2800-DA-10-I**	500	54.4	20	3/4" x 7"	**365.44**
12"	13.20	**UFR2800-DA-12-I**	500	68.2	20	3/4" x 9"	**502.57**
14"	15.30	**UFR2800-DA-14-I**	450	84.0	5	3/4" x 9"	**657.24**
16"	17.40	**UFR2800-DA-16-I**	450	100.0	5	3/4" x 9"	**869.86**
18"	19.50	**UFR2800-DA-18-I**	350	134.0	5	3/4" x 9"	**1146.01**
20"	21.60	**UFR2800-DA-20-I**	350	157.8	5	3/4" x 9"	**1402.16**
24"	25.80	**UFR2800-DA-24-I**	350	197.7	5	3/4" x 9"	**1641.72**
30"	32.00	**UFR2800-DA-30-I**	350	408.5	2	1" x 12"	**4157.11**
36"	38.30	**UFR2800-DA-36-I**	350	501.9	2	1" x 12"	**5731.58**

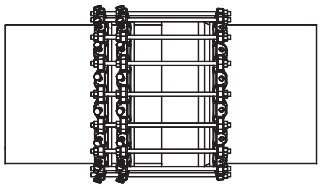
PACKAGE CONTAINS

2 - Series 1400 restraint glands
1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
1 - Mechanical joint gasket, 3" through 12" (AWWA C111)

3" through 12" sizes are shrink-wrapped in a weather-resistant carton.
30" through 36" sizes are bulk packaged with Uni-Seal gasket.

SERIES 2850 BELL JOINT RESTRAINTS FOR HIGH PRESSURE APPLICATIONS ON DUCTILE IRON PIPE

WORKING PRESSURE - 3" - 12" ***500 PSI***
- 14" - 16" ***450 PSI***
- 18" - 36" ***350 PSI***



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Pressure Rating (PSI)	No. of Rods	Rod Length	Rod Dia.	Max Bell Dia.	Approx. Weight Lbs.	List Price
3"	3.96	**UFR2850-D-3-I**	500	4	14"	5/8"	5.50"	18.0	**$ 157.08**
4"	4.80	**UFR2850-D-4-I**	500	4	17"	3/4"	6.62"	27.0	**170.58**
6"	6.90	**UFR2850-D-6-I**	500	6	17"	3/4"	8.62"	40.0	**219.26**
8"	9.05	**UFR2850-D-8-I**	500	6	17"	3/4"	10.88"	49.0	**291.91**
10"	11.10	**UFR2850-D-10-I**	500	8	24"	3/4"	13.12"	78.0	**477.73**
12"	13.20	**UFR2850-D-12-I**	500	8	24"	3/4"	15.38"	90.0	**573.59**
14"	15.30	**UFR2850-D-14-I**	450	10	24"	3/4"	17.88"	129.0	**962.81**
16"	17.40	**UFR2850-D-16-I**	450	12	24"	3/4"	20.12"	157.0	**1147.42**
18"	19.50	**UFR2850-D-18-I**	350	12	24"	3/4"	22.38"	204.1	**1354.83**
20"	21.60	**UFR2850-D-20-I**	350	14	24"	3/4"	24.62"	233.1	**1837.00**
24"	25.80	**UFR2850-D-24-I**	350	16	24"	3/4"	29.12"	289.1	**2281.61**
30"	32.00	**UFR2850-D-30-I**	350	20	24"	3/4"	35.80"	583.0	**5313.04**
36"	38.30	**UFR2850-D-36-I**	350	24	24"	1"	42.60"	686.0	**6569.18**

Note: Connecting rods WILL NOT CLEAR a pipe bell with a maximum diameter larger than the listed measurement. These diameters do not include joint deflection. Confirm pipe bell diameter before ordering.

UNI-RING MECHANICAL JOINT RING RESTRAINT FOR C900, DUCTILE IRON, C909 AND HDPE



Nom. Pipe Size	For Steel Sized PVC and *HDPE (Grey Ring)				Nom. Pipe Size	For Ductile Iron, C900, C909 (PVCO) and *HDPE (Green Ring)			
	Pipe O.D. (Inches)	Catalog Number	Approx. Weight (lbs.)	List Price		Pipe O.D. (Inches)	Catalog Number	Approx. Weight (lbs.)	List Price
2"	2.38	**FUR-S-2-I****	4.8	**$ 73.88**	-	-	**-**	-	**-**
3"	3.50	**FUR-S-3-I****	8.6	**86.90**	-	-	**-**	-	**-**
4"	4.50	**FUR-S-4-I**	15.0	**115.40**	4"	4.80	**FUR-C-4-I**	9.0	**$ 78.73**
6"	6.63	**FUR-S-6-I**	20.4	**140.05**	6"	6.90	**FUR-C-6-I**	11.9	**91.53**
8"	8.63	**FUR-S-8-I**	24.3	**196.52**	8"	9.05	**FUR-C-8-I**	16.0	**130.46**
10"	10.75	**FUR-S-10-I**	22.3	**341.15**	10"	11.10	**FUR-C-10-I**	22.3	**186.93**
12"	12.75	**FUR-S-12-I**	24.5	**361.89**	12"	13.20	**FUR-C-12-I**	24.5	**255.39**

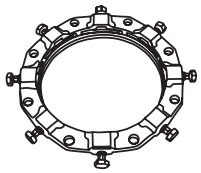
Includes gland, restraint ring, gasket, T-bolts and nuts.
** 2" and 3" also for steel pipe

Includes gland, restraint ring, gasket, T-bolts and nuts.

Note: Spacer ring must be used on C909 pipe

***** Ford recommends use of an insert stiffener when used on HDPE

SERIES 1500 RESTRAINT GLAND
FOR C900, C909**, IPS PVC, SDR-35* OR HDPE PIPE



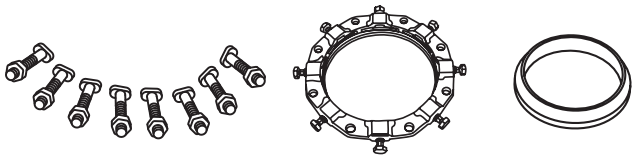
Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	No. of Segments	Approx. Weight Lbs.	Pressure Rating								Pallet Qty.	List Price
					C900			C909		ASTM D2241		Sewer		
					DR-14	DR-18	DR-25	PC-235	PC-165	SDR-21	SDR-26	All		
3"	3.50	**UFR1500-3-I**	2	8.3	-	-	-	-	-	200	160	-	80	**$ 53.72**
4"	4.22-4.80	**UFR1500-4-I**	2	8.1	305	235	165	235	-	200	160	Grav	80	**57.76**
6"	6.28-6.90	**UFR1500-6-I**	3	11.5	305	235	165	235	-	200	160	Grav	45	**70.17**
8"	8.40-9.05	**UFR1500-8-I**	4	15.0	305	235	165	235	-	200	160	Grav	35	**103.74**
10"	10.50-11.10	**UFR1500-10-I**	8	27.0	305	235	165	235	-	200	160	Grav	25	**196.08**
12"	12.50-13.20	**UFR1500-12-I**	8	29.7	305	235	165	235	-	200	160	Grav	20	**206.50**
14"	15.30	**UFR1500-C-14-I**	10	47.4	-	235	165	-	165	-	-	Grav	10	**340.55**
16"	17.40	**UFR1500-C-16-I**	12	60.9	-	235	165	-	165	-	-	-	10	**458.02**
18"	19.50	**UFR1500-C-18-I**	12	77.4	-	235	165	-	165	-	-	-	10	**568.49**
20"	21.60	**UFR1500-C-20-I**	14	89.8	-	235	165	-	165	-	-	-	10	**704.41**
24"	25.80	**UFR1500-C-24-I**	16	126.2	-	235	165	-	165	-	-	-	10	**813.53**
30"	32.00	**UFR1500-C-30-I**	20	136.9	-	-	165	-	165	-	-	Grav	5	**2157.55**
36"	38.30	**UFR1500-C-36-I**	24	187.2	-	-	165	-	-	-	-	Grav	5	**2705.48**

Note: UFR1500's are bundled in quantities of five. Ford encourages purchases in quantities of five. 30" and 36" sizes are shipped with Uni-Seal gaskets.

*** Sewer applications require SO-EZ NBR (Buna-N) gaskets. Contact factory for details.**

** Suitable for use on C909 up through 30"

SERIES 1500 RESTRAINT GLAND FOR C900 AND C909 PACKAGED WITH ACCESSORIES



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	No. of Segments	Approx. Weight Lbs.	Pressure Rating					Pallet Qty.	List Price
					C900			C909			
					DR-14	DR-18	DR-25	PC-235	PC-165		
4"	4.80	**UFR1500-CA-4-I**	2	12.2	305	235	165	-	-	27	**$ 85.30**
6"	6.90	**UFR1500-CA-6-I**	3	16.5	305	235	165	235	-	40	**106.76**
8"	9.05	**UFR1500-CA-8-I**	4	21.9	305	235	165	235	-	40	**144.05**
10"	11.10	**UFR1500-CA-10-I**	8	33.0	305	235	165	235	-	40	**250.82**
12"	13.20	**UFR1500-CA-12-I**	8	37.3	305	235	165	235	-	40	**263.25**
14"	15.30	**UFR1500-CA-14-I**	10	56.1	-	235	165	-	-	10	**414.77**
16"	17.40	**UFR1500-CA-16-I**	12	71.4	-	235	165	-	165	10	**542.33**
18"	19.50	**UFR1500-CA-18-I**	12	89.2	-	235	165	-	-	10	**658.43**
20"	21.60	**UFR1500-CA-20-I**	14	101.9	-	235	165	-	-	10	**806.22**
24"	25.80	**UFR1500-CA-24-I**	16	140.6	-	235	165	-	-	10	**933.78**
30"	32.00	**UFR1500-CA-30-I**	20	178.9	-	-	165	-	-	5	**2470.53**
36"	38.30	**UFR1500-CA-36-I**	24	237.7	-	-	165	-	-	5	**3013.96**
42"	44.50	**UFR1500-CA-42-I**	28	678.4	-	-	165	-	-	1	**8308.25**
48"	50.80	**UFR1500-CA-48-I**	32	766.1	-	-	165	-	-	1	**10685.70**

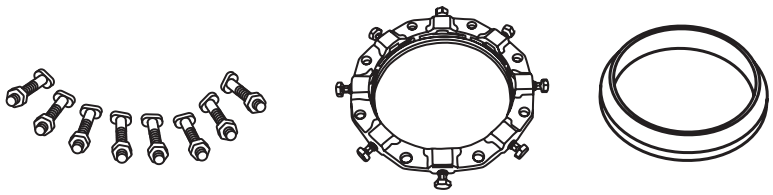
** Suitable for use on C909 up through 16"

PACKAGE CONTAINS

1 - Series 1500 restraint gland
1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
1 - MJ gasket (AWWA C111)

4" through 12" sizes are shrink-wrapped in a weather-resistant carton.

SERIES 1500 RESTRAINT GLAND FOR IPS PVC PACKAGED WITH ACCESSORIES



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	No. of Segments	Approx. Weight Lbs.	Pressure Rating ASTM D2241		Pallet Qty.	List Price
					SDR-21	SDR-26		
3"	3.50	**UFR1500-SA-3-I**	2	10.6	200	160	27	**$ 79.25**
4"	4.50	**UFR1500-SA-4-I**	2	12.4	200	160	27	**85.30**
6"	6.63	**UFR1500-SA-6-I**	3	17.1	200	160	40	**106.76**
8"	8.63	**UFR1500-SA-8-I**	4	23.4	200	160	40	**144.05**
10"	10.75	**UFR1500-SA-10-I**	8	33.0	200	160	40	**250.82**
12"	12.75	**UFR1500-SA-12-I**	8	37.3	200	160	40	**263.25**
14"	14.00	**SEE NOTE**						
16"	16.00	**UFR1500-SA-16-I**	12	76.0	200	160	10	**P.O.A.**
18"	18.00	**UFR1500-SA-18-I**	12	94.0	200	160	10	**P.O.A.**
20"	20.00	**UFR1500-SA-20-I**	14	109.0	200	160	10	**P.O.A.**
24"	24.00	**UFR1500-SA-24-I**	16	153.0	200	160	10	**P.O.A.**

Note: For 14" steel pipe only, Ford offers the UFR1500-ST-14-I as an imported casting

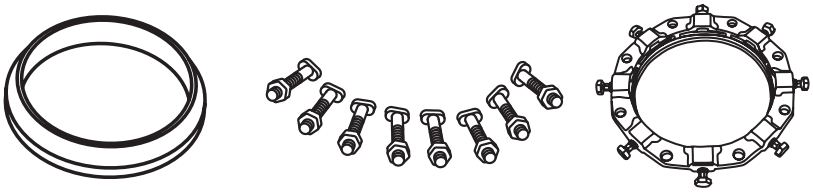
Note: For gland less gasket, T-bolts and nuts, replace -SA with -S

PACKAGE CONTAINS

1 - Series 1500 restraint gland
1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
1 - Transition gasket

3" through 12" sizes are shrink-wrapped in a weather-resistant carton.

SERIES 1500 RESTRAINT GLAND FOR C900, C909, IPS PVC, DR-35* OR HDPE PACKAGED WITH ACCESSORIES



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	No. of Segments	Approx. Weight Lbs.	Pressure Rating							Pallet Qty.	List Price
					C900			C909	ASTM D2241		Sewer		
					DR-14	DR-18	DR-25	PC-235	SDR-21	SDR-26	All		
*3"	3.50	**UFR1500-ZA-3-I**	2	10.6	-	-	-	-	200	160	-	27	**$ 81.89**
*4"	4.22-4.80	**UFR1500-ZA-4-I**	2	12.4	305	235	165	-	200	160	Grav	27	**91.93**
*6"	6.28-6.90	**UFR1500-ZA-6-I**	3	16.8	305	235	165	235	200	160	Grav	40	**114.81**
*8"	8.40-9.05	**UFR1500-ZA-8-I**	4	23.5	305	235	165	235	200	160	Grav	40	**152.27**
*10"	10.50-11.10	**UFR1500-ZA-10-I**	8	33.0	305	235	165	235	200	160	Grav	40	**262.86**
*12"	12.50-13.20	**UFR1500-ZA-12-I**	8	37.6	305	235	165	235	200	160	Grav	40	**276.63**

*** Sewer applications require NBR (Buna-N) gaskets. Insert "-N" into catalog number. Example: UFR1500-ZA-6-N-I. Contact factory for pricing.**

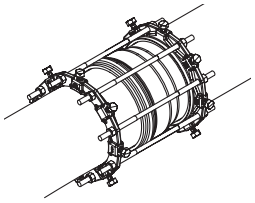
PACKAGE CONTAINS

1 - Series 1500 restraint gland
1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
1 - SO-EZ gasket

Note: 3" through 12" sizes are shrink-wrapped in a weather-resistant carton.

SERIES 1559 RESTRAINT HARNESS FOR C909 PVC BELL JOINTS

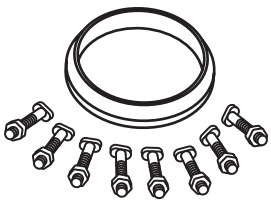
(new installations only)



Nom. Pipe Size	Pressure Rating (PSI)	Catalog Number	No. of Rods	Rod Length	Rod Dia.	Max Bell Dia.	Approx. Weight Lbs.	List Price
4"	235	**UFR1559-C-4-I**	4	17"	3/4"	6.62"	29.9	**$ 217.30**
6"	235	**UFR1559-C-6-I**	6	17"	3/4"	8.62"	43.0	**298.80**
8"	235	**UFR1559-C-8-I**	6	17"	3/4"	10.88"	50.4	**364.53**
10"	235	**UFR1559-C-10-I**	8	24"	5/8"	13.12"	70.2	**469.61**
12"	235	**UFR1559-C-12-I**	8	24"	5/8"	15.38"	78.2	**594.52**
16"	235	**UFR1559-C-16-I**	12	30"	3/4"	20.12"	161.3	**1220.50**

Note: Connecting rods WILL NOT CLEAR a pipe bell with a maximum diameter larger than the listed measurement. These diameters do not include joint deflection. Confirm pipe bell diameter before ordering.

MECHANICAL JOINT ACCESSORY KIT



Nom Pipe Size	Pipe O.D. (Inches)	Catalog Number	T-Bolts		List Price
			Qty.	Size	
3"	3.96	**MJAK-3-I**	4	5/8" x 3"	**$ 22.57**
4"	4.80	**MJAK-4-I**	4	3/4" x 3-1/2"	**33.53**
6"	6.90	**MJAK-6-I**	6	3/4" x 3-1/2"	**46.39**
8"	9.05	**MJAK-8-I**	6	3/4" x 4"	**51.01**
10"	11.10	**MJAK-10-I**	8	3/4" x 4"	**64.48**
12"	13.20	**MJAK-12-I**	8	3/4" x 4"	**67.01**
14"	15.30	**MJAK-14-I**	10	3/4" x 4-1/2"	**89.77**
16"	17.40	**MJAK-16-I**	12	3/4" x 4-1/2"	**101.51**
18"	19.50	**MJAK-18-I**	12	3/4" x 4-1/2"	**106.74**
20"	21.60	**MJAK-20-I**	14	3/4" x 4-1/2"	**121.92**
24"	25.80	**MJAK-24-I**	16	3/4" x 5"	**144.72**
30"	32.00	**MJAK-30-I**	20	1" x 6"	**369.12**
36"	38.30	**MJAK-36-I**	24	1" x 6"	**425.48**
42"	44.50	**MJAK-42-I**	28	1-1/4" x 6-1/2"	**827.06**
48"	50.80	**MJAK-48-I**	32	1-1/4" x 6-1/2"	**929.91**

CONTENTS

PRODUCTS FOR HDPE....2
FASTP ALL STAINLESS STEEL TAPPING SLEEVE....3
FTSSP ALL STAINLESS STEEL TAPPING SLEEVE....4
FTSP AND FTSCP STEEL TAPPING SLEEVES....5
MECHANICAL JOINT ADAPTER OUTLET....6
FCP202 IRON SERVICE SADDLES....7
FCDP202 IRON SERVICE SADDLES....8
FS(P)313, FS(P)323, FSP333, FSP343 STAINLESS STEEL SADDLES....9
FSP1 ALL STAINLESS REPAIR CLAMPS....10
FSP2, FSP3 ALL STAINLESS REPAIR CLAMPS....11
FP1, FP2 FLEX REPAIR CLAMPS....12
FP3 FLEX REPAIR CLAMPS....13
FC1, FC1-L12 DUCTILE IRON COUPLINGS....14
FC2A TRANSITION COUPLINGS....15
FC2A-L12 TRANSITION COUPLINGS....16
FC2W, FC2W-L12 ULTRA-FLEX WIDE RANGE COUPLINGS....17
END CAP FOR ULTRA-FLEX WIDE RANGE COUPLINGS....18
FC2W-EC ULTRA-FLEX LONG SLEEVE WIDE RANGE COUPLINGS....18
FFCA IRON FLANGED COUPLING ADAPTERS, FEC END CAP COUPLINGS....19
MJFA FLANGE ADAPTER, MJFA FLANGE ADAPTER W/ FLANGE BOLT....20
FRR CUT-IN COUPLINGS....20
FC23 STEEL TRANSITION COUPLING....21-23
FC3 STANDARD STEEL COUPLINGS....24
FC4 STANDARD STEEL COUPLINGS....25-26
FC4 STEEL COUPLINGS W/END CAP....27
FC5 STEEL TRANSITION COUPLINGS....28
FC6 STEEL REDUCING COUPLINGS....29
FCA STEEL FLANGE COUPLING ADAPTERS....30-31
RFAP RESTRAINED FLANGE ADAPTERS....32-33
UFA900 ADAPTER FLANGE....33
FABRICATED RESTRAINED COUPLING....34-35
RCPP FOR HDPE PIPE
RCDP FOR JOINING DUCTILE IRON PIPE TO HDPE PIPE
UFR1300 RESTRAINTS....36
UFR1500 RESTRAINT GLAND....37
UFR1500-CA RESTRAINT GLAND WITH ACCESSORIES (MJ GASKET)....38
UFR1500-SA RESTRAINT GLAND WITH ACCESSORIES (TRANSITION GASKET)....39
UFR1500-ZA RESTRAINT GLAND WITH ACCESSORIES (SO-EZ GASKET)....40
INSERT STIFFENERS FOR HDPE PIPE....41

FORD METER BOX PRODUCTS FOR HDPE PIPE

HDPE

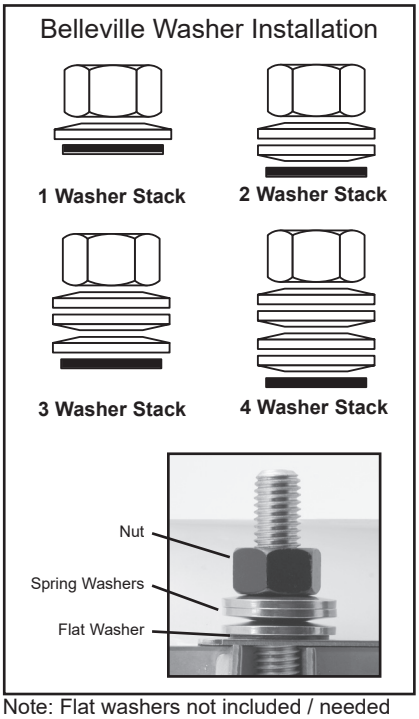
High Density Polyethylene (HDPE) pipe is much more flexible than PVC pipe and expands and contracts with temperature and pressure variations. The expansion/contraction of the pipe is due to the high coefficient of thermal expansion (from AWWA M23, PVC Pipe – Design and Installation). Because the water and ambient temperature affect the diameter of the pipe, our products are recommended to be used in underground applications where the water temperature flowing through the pipe remains between 55º F and 85º F.

BRASS - COMPRESSION PRODUCTS

Ford brass compression fittings (properly sized) will fit 1/2", 3/4", 1", 1-1/4", 1-1/2" and 2" HDPE. If properly installed according to the Ford Meter Box instructions, and maintained under normal waterworks service conditions, Ford compression fittings are suitable and recommended for HDPE pipe with a wall thickness no less than DR11 and with the use of properly sized insert stiffeners. Proper installation also includes, but is not limited to, a smooth and supportive trench bed, a proper backfill material and a proper backfill procedure to minimize pipe deflection. Ford offers insert stiffeners for 1/2" through 36" HDPE that are manufactured in accordance with ANSI/AWWA C906.

BELLEVILLE WASHERS

Belleville Washers, also referred to as spring washers, are used on repair clamps, tapping sleeves and some saddles when installed on HDPE pipe to address outside diameter variations when the pipe expands and contracts, promoting consistent force on the gasket. The Belleville washers are made of 17-7 PH stainless steel. Depending on the pipe size and recommended installation torque, Belleville washers are used singularly, or in a stack, to allow for more expansion/contraction of the pipe diameter. During initial installation, the Belleville washer(s) will compress. If the pipe diameter expands, the washer(s) will continue compressing. As the pipe diameter constricts, the washer(s) will decompress (or spring back) to a cupped shape, keeping consistent force on the components to maintain the gasket compression.



Note: Flat washers not included / needed on some HDPE pipe products

INSERTS

Inserts, or pipe stiffeners, are required when restraints or couplings are installed on HDPE pipe. The force exerted by restraints and couplings on the pipe wall can cause the pipe diameter to constrict, which could allow restraint and sealing issues. Because restraints and couplings are generally installed closer to the ends of pipe, the pipe could also toe-in, which makes creating a seal difficult, if not impossible, because the pipe is pushed away from the gasket. An insert supports the pipe wall, allowing the restraint or coupling to perform properly. Both styles (wedge and solid) are acceptable for use with our products. Inserts should be installed according to the manufacturer's instructions.

NOTE: All Ford products identified for use on HDPE pipe have been tested to ensure they will be watertight at pressures up to the rated pressure of the pipe. Ford has no opinion as to the suitability of its products, or of their effect on HDPE pipe over the service lifetime of the HDPE pipe. Please consult the manufacturer of the HDPE pipe concerning its long term performance. Only products specifically identified for use on HDPE should be used on HDPE.

CAUTION: Products that are not recommended for HDPE pipe should not be used on HDPE.

SUMMARY OF FORD METER BOX PRODUCTS APPROVED FOR HDPE:

LISTED WITHIN CATALOG SECTIONS A, B, C, E, F, FA, G, H, I, AND J

Note: Ford brass compression fittings are available to fit 1/2", 3/4", 1", 1-1/4", 1-1/2" and 2" HDPE. These compression fittings are suitable and recommended for HDPE pipe with a wall thickness no less than DR11 and with the use of properly sized insert stiffeners, listed in price book.

SPECIFIC PIPE PRODUCTS THAT REQUIRE / INCLUDE BELLEVILLE WASHERS:

CATALOG SECTION AA
FASTP Tapping Sleeve
FTSP and FTSCP Tapping Sleeve
FTSSP Tapping Sleeve
FCP202/FCDP202 Saddle
*FS313 & FS323 (12" & under)
FSP3x3 Saddle

CATALOG SECTION L
FSP Repair Clamp
FP Repair Clamp

Notes: 1) Most Products in catalog sections AA and L require a specific catalog number to ensure that Belleville washers are included and products are sized to the correct pipe diameter.
2) Tapping sleeves and repair clamps for HDPE are sized differently from standard products.
3) FSP-style repair clamps are recommended over FP-clamps.
4) The FASTP tapping sleeve is recommended for 12" and smaller nominal sized tapping sleeves.

Caution: Ford Meter Box does not recommend size-on-size tapping sleeves for HDPE.

*Sizes 12" and under are approved for HDPE pipe without Belleville Washers.

SPECIFIC PIPE PRODUCTS THAT DO NOT REQUIRE BELLEVILLE WASHERS, BUT DO REQUIRE PROPERLY SIZED INSERT STIFFENERS:

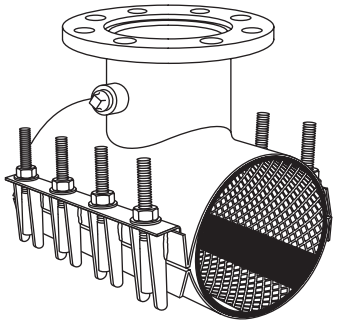
CATALOG SECTION M AND N
All couplings

CATALOG SECTION U
RFAP Restrained Flange Adapter
UFA900 Flange Adapter
UFR1300 Restraint
UFR1500 Restraint

Notes: 1) Products in catalog sections M, N and U require the use of specifically sized inserts suitable in diameter, length and strength to fully support the pipe.
2) See page HDPE-40 for Ford Meter Box's offering of insert stiffeners.

FORD ALL STAINLESS TAPPING SLEEVE FOR HDPE PIPE

STYLE **FASTP** TAPPING SLEEVE WITH STAINLESS STEEL OR CARBON STEEL FLANGE



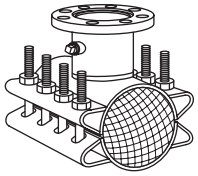
For mechanical joint outlet (replaces flange outlet) option, see page HDPE-6.

Nom. Pipe Size	Pipe O.D. (Inches)	Sleeve Number	By	Stainless Steel Size Flange Code	List Price	Optional Carbon Steel Flange Code	List Price	Approx. Wt. Lbs.
4"	4.50 4.80	**FASTP-450-** **FASTP-480-**		3	**$ 1453.13**	3A	**$ 1103.87**	27.0
6"	6.63 6.90	**FASTP-663-** **FASTP-690-**		4	**1511.49**	4A	**1144.22**	34.1
8"	8.63 9.05	**FASTP-863-** **FASTP-905-**		4 6	**1562.52** **1730.15**	4A 6A	**1160.14** **1229.37**	39.3 42.1
10"	10.75 11.10	**FASTP-1075-** **FASTP-1110-**		4 6 8	**1759.59** **1899.26** **2440.00**	4A 6A 8A	**1340.52** **1431.15** **1776.47**	42.2 45.7 69.7
12"	12.75 13.20	**FASTP-1275-** **FASTP-1320-**		4 6 8 10	**2056.73** **2249.08** **2759.22** **4759.30**	4A 6A 8A 10A	**1479.00** **1580.14** **1893.64** **3538.43**	44.6 49.0 69.1 89.1
14"	14.00 15.30	**FASTP-1400-** **FASTP-1530-**		4 6 8 10 12	**3302.23** **3560.63** **4487.55** **5979.86** **6946.78**	4A 6A 8A 10A 12A	**2752.68** **2831.60** **3507.68** **4628.72** **5015.64**	75 70.7 102 114 146
16"	16.00 17.40	**FASTP-1600-** **FASTP-1740-**		4 6 8 10 12	**3361.17** **3620.29** **4314.38** **6668.64** **7668.49**	4A 6A 8A 10A 12A	**2781.15** **2860.01** **3323.58** **5294.93** **5725.18**	75.4 77.8 100.1 114 150
18"	18.00 19.50	**FASTP-1800-** **FASTP-1950-**		4 6 8 10 12	**3554.29** **3813.90** **4584.95** **7355.64** **8447.68**	4A 6A 8A 10A 12A	**2970.09** **3049.14** **3586.42** **5972.28** **6494.30**	82.0 90 106 120 160
20"	20.00 21.60	**FASTP-2000-** **FASTP-2160-**		4 6 8 10 12	**5017.77** **5276.98** **6418.32** **8101.99** **9193.96**	4A 6A 8A 10A 12A	**4397.80** **4477.80** **5373.44** **6663.82** **7186.19**	87.6 92 114 125.2 162
24"	24.00 25.80	**FASTP-2400-** **FASTP-2580-**		4 6 8 10 12	**5192.49** **5451.51** **6611.89** **8314.00** **9411.79**	4A 6A 8A 10A 12A	**4560.78** **4639.45** **5552.85** **6860.05** **7382.30**	97 103 116.6 136 178

To Order: Select the catalog sleeve number for the desired range and complete the catalog number by adding the flange code.
Example: The catalog number for use on a 6" HDPE pipe (6.90 O.D.) with a 4" stainless steel flange is FASTP-690-4.
Note: Tapping sleeves are assembled with Belleville Spring Tensioning Washers.

FORD ALL STAINLESS TAPPING SLEEVE FOR HDPE PIPE WITH REMOVABLE BOLTS

STYLE **FTSSP** TAPPING SLEEVE WITH STAINLESS STEEL OR CARBON STEEL FLANGE



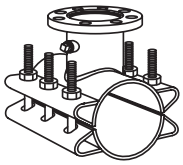
For mechanical joint outlet (replaces flange outlet) option, see page HDPE-6.

Nom. Pipe Size	Pipe O.D. (Inches)	Sleeve Number	BY	Stainless Steel Size Flange Code	List Price	Optional Carbon Steel Flange Code	List Price	Approx. Wt. Lbs.
4"	4.50 4.80	**FTSSP-450-** **FTSSP-480-**		3	**$ 1500.20**	3A	**$ 1249.26**	38
6"	6.63 6.90	**FTSSP-663-** **FTSSP-690-**		4	**1520.86**	4A	**1312.42**	43.5
8"	8.63 9.05	**FTSSP-863-** **FTSSP-905-**		4 6	**1557.24** **1679.15**	4A 6A	**1361.13** **1475.13**	42 52.0
10"	10.75 11.10	**FTSSP-1075-** **FTSSP-1110-**		4 6 8	**1852.53** **1867.49** **2475.01**	4A 6A 8A	**1582.83** **1589.14** **2200.93**	47 55.8 79.3
12"	12.75 13.20	**FTSSP-1275-** **FTSSP-1320-**		4 6 8 10	**1927.62** **1964.19** **2707.83** **4106.41**	4A 6A 8A 10A	**1802.79** **1841.53** **2405.61** **3590.98**	57.6 59.5 86 104
14"	14.00 15.30	**FTSSP-1400-** **FTSSP-1530-**		4 6 8 10 12	**2577.99** **2848.82** **3509.40** **4144.07** **4657.87**	4A 6A 8A 10A 12A	**2444.61** **2608.02** **3068.84** **3708.64** **4594.77**	75 82 102 110 146
16"	16.00 17.40	**FTSSP-1600-** **FTSSP-1740-**		4 6 8 10 12 14	**2867.84** **2883.42** **3621.00** **4183.91** **4965.33** **P.O.A.**	4A 6A 8A 10A 12A 14A	**2608.02** **2828.23** **3248.37** **3841.25** **4819.73** **P.O.A.**	83.0 84 83.6 115.5 150.1 188
18"	18.00 19.50	**FTSSP-1800-** **FTSSP-1950-**		4 6 8 10 12 14 16	**3208.32** **3294.89** **4296.13** **4764.21** **5683.37** **P.O.A.** **P.O.A.**	4A 6A 8A 10A 12A 14A 16A	**3098.28** **3196.41** **3868.17** **4465.91** **5501.28** **P.O.A.** **P.O.A.**	82.1 90 112 120 152.1 320.1 200
20"	20.00 21.60	**FTSSP-2000-** **FTSSP-2160-**		4 6 8 10 12 14 16 18	**3220.03** **3312.45** **4364.61** **4841.12** **5769.39** **P.O.A.** **P.O.A.** **P.O.A.**	4A 6A 8A 10A 12A 14A 16A 18A	**3177.78** **3283.90** **3941.41** **4597.85** **5642.86** **P.O.A.** **P.O.A.** **P.O.A.**	86 92 114 129.1 162 195 205 215
24"	24.00 25.80	**FTSSP-2400-** **FTSSP-2580-**		4 6 8 10 12 14 16 18 20	**3365.22** **3590.05** **4519.84** **5041.30** **6167.86** **P.O.A.** **P.O.A.** **P.O.A.** **P.O.A.**	4A 6A 8A 10A 12A 14A 16A 18A 20A	**3244.35** **3389.74** **3990.56** **4714.72** **5698.10** **P.O.A.** **P.O.A.** **P.O.A.** **P.O.A.**	98.8 103 127 136 178 199 210 224 230
30"-36" 42"-48"	**Contact factory for information.**							

To Order: Select the catalog sleeve number for the desired range and complete the catalog number by adding the flange code.
Example: The complete FTSSP catalog number for use on a 6" HDPE pipe (6.90 O.D.) with a 4" stainless steel flange is FTSSP-690-4.
Note: Tapping sleeves are assembled with Belleville Spring Tensioning Washers.

FORD STEEL TAPPING SLEEVES FOR HDPE PIPE

STYLE **FTSP** AND **FTSCP** TAPPING SLEEVES



For mechanical joint outlet (replaces flange outlet) option, see page HDPE-6.

Nom. Pipe Size	Pipe O.D. (Inches)	Sleeve Number	Epoxy Coated Sleeve	By	Flange Size Code	Approx. Wt. Lbs.	List Price			
							FTSP		FTSCP	
							Low Alloy Bolts	Optional S.S. Bolts -SH	Stainless Steel Bolts	Optional Low Alloy Bolts -AH
4"	4.50 4.80	**FTSP-450- FTSP-480-**	**FTSCP-450- FTSCP-480-**		3	41	**$ 1048.08**	**$ 1217.40**	**$ 1315.48**	**$ 1223.04**
6"	6.63 6.90	**FTSP-663- FTSP-690-**	**FTSCP-663- FTSCP-690-**		4	67.0	**987.33**	**1156.56**	**1282.51**	**1190.01**
8"	8.63 9.05	**FTSP-863- FTSP-905-**	**FTSCP-863- FTSCP-905-**		4	73.3	**1020.09**	**1189.37**	**1301.82**	**1209.38**
					6	83.9	**1166.62**	**1335.87**	**1512.13**	**1419.69**
10"	10.75 11.10	**FTSP-1075- FTSP-1110-**	**FTSCP-1075- FTSCP-1110-**		4	82.2	**1265.27**	**1434.55**	**1602.55**	**1510.12**
					6	89.5	**1468.79**	**1638.01**	**1829.58**	**1737.13**
					8	128.3	**1775.56**	**2001.26**	**2210.75**	**2087.54**
12"	12.75 13.20	**FTSP-1275- FTSP-1320-**	**FTSCP-1275- FTSCP-1320-**		4	89.8	**1364.32**	**1522.56**	**1667.52**	**1575.07**
					6	97.2	**1451.76**	**1610.02**	**1811.40**	**1718.96**
					8	144.2	**1759.26**	**1970.25**	**2237.92**	**2114.69**
					10	169	**2119.20**	**2382.96**	**2698.36**	**2544.37**
14"	14.00 15.30	**FTSP-1400- FTSP-1530-**	**FTSCP-1400- FTSCP-1530-**		4	99	**1486.13**	**1630.00**	**1838.30**	**1745.86**
					6	105	**1614.89**	**1773.98**	**1978.52**	**1886.09**
					8	139	**2067.33**	**2241.51**	**2540.74**	**2417.56**
					10	178	**2424.35**	**2706.56**	**3214.89**	**3060.89**
					12	230	**2907.38**	**3247.25**	**3669.60**	**3484.79**
16"	16.00 17.40	**FTSP-1600- FTSP-1740-**	**FTSCP-1600- FTSCP-1740-**		4	99	**1454.22**	**1745.23**	**1891.34**	**1798.90**
					6	105	**1671.69**	**1826.96**	**2042.84**	**1950.42**
					8	139	**2097.62**	**2415.60**	**2635.45**	**2512.23**
					10	178	**2572.52**	**2854.68**	**3430.51**	**3276.51**
					12	230	**2977.60**	**3317.49**	**3836.27**	**3651.48**
18"	18.00 19.50	**FTSP-1800- FTSP-1950-**	**FTSCP-1800- FTSCP-1950-**		4	114	**1780.24**	**2075.66**	**2143.85**	**2051.44**
					6	120	**1935.57**	**2196.93**	**2310.53**	**2218.09**
					8	159	**2502.46**	**2732.17**	**2991.08**	**2867.92**
					10	225.6	**2941.53**	**3223.68**	**3853.97**	**3699.96**
					12	256	**3397.27**	**3737.18**	**4348.35**	**4163.55**
20"	20.00 21.60	**FTSP-2000- FTSP-2160-**	**FTSCP-2000- FTSCP-2160-**		4	114	**1878.80**	**2117.42**	**2287.84**	**2195.39**
					6	120	**2060.59**	**2284.04**	**2473.42**	**2380.99**
					8	159	**2607.41**	**2833.15**	**3207.02**	**3083.83**
					10	203	**3054.47**	**3357.16**	**4091.79**	**3937.79**
					12	256	**3515.16**	**3855.12**	**4647.66**	**4462.84**
24"	24.00 25.80	**FTSP-2400- FTSP-2580-**	**FTSCP-2400- FTSCP-2580-**		4	122	**1962.04**	**2132.52**	**2352.25**	**2259.81**
					6	128	**2140.08**	**2314.35**	**2556.77**	**2464.30**
					8	170	**2684.58**	**2910.32**	**3339.57**	**3216.34**
					10	216	**3137.28**	**3419.50**	**4145.13**	**3991.14**
					12	273	**3599.69**	**3939.65**	**4774.91**	**4590.09**
					16	412	**5079.01**	**5589.54**	**6252.03**	**6005.63**
30"	30.00 32.00	**FTSP-3000- FTSP-3200-**	**FTSCP-3000- FTSCP-3200-**		4	122	**2094.63**	**2321.97**	**2522.65**	**2144.65**
					6	128	**2314.35**	**2515.30**	**2742.36**	**2649.93**
					8	170	**2778.62**	**3004.37**	**3597.11**	**3473.91**
					10	216	**3259.15**	**3541.28**	**4354.00**	**4200.02**
					12	273	**3704.38**	**4044.30**	**5043.47**	**4858.68**
					16	412	**5208.34**	**5717.30**	**6504.74**	**6258.34**

To Order: Select the catalog sleeve number for the desired range and complete the catalog number by adding the flange code.
Example: The catalog number for use on a 6" HDPE pipe (6.90 O.D.) with standard coating and a 4" flange is FTSP-690-4.

Note: Tapping sleeves are assembled with Belleville Spring Tensioning Washers.

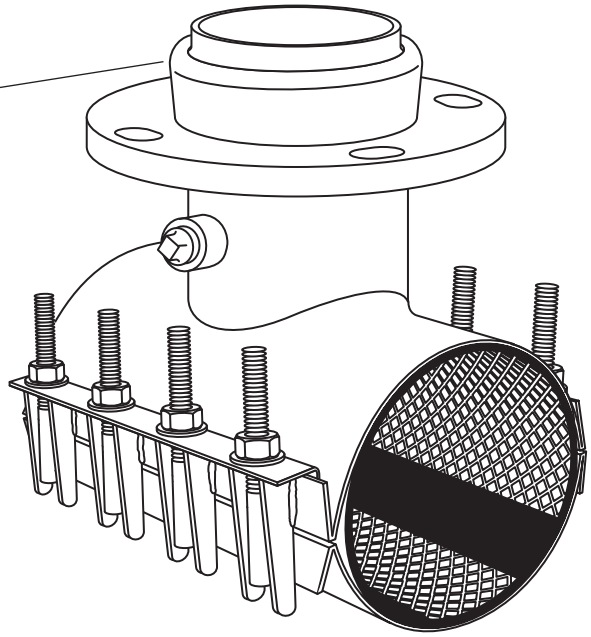
Option: **"-SH"** standard FTSP with stainless steel bolts; add "-SH" to the catalog number. Example: FTSP-690-4-SH
"-AH" standard FTSCP with low alloy bolts; add "-AH" to the catalog number. Example: FTSCP-690-4-AH

Note: A 1" undersized cutter is required for flanges 14" and larger. Oversized outlets are available by special request P.O.A.

MECHANICAL JOINT ADAPTER OUTLET OPTION FOR FORD TAPPING SLEEVES

A special mechanical joint outlet is available as an option on Ford Tapping Sleeves. This special outlet will attach to a mechanical joint valve.

Mechanical Joint Outlet Option Shown on a FASTP Style Tapping Sleeve.



To order a Ford Tapping Sleeve with this option, add “-MJ” to the end of the part number.

Example: The catalog number for a 6" FASTP Tapping Sleeve with a 4" carbon steel mechanical joint outlet is FASTP-663-4A-MJ or FASTP-690-4A-MJ.

Please add the following to the list price when ordering the mechanical joint outlet option. This price adder is the same for any type of tapping sleeve having a listed outlet size.

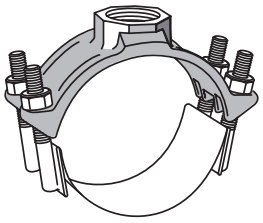
“-MJ” Outlet Size	“-MJ” List Price Adder
3"	**$ 59.09**
4"	**59.09**
6"	**66.90**
8"	**94.81**
10"	**112.18**
12"	**203.80**
*14"	**P.O.A.**
*16"	**P.O.A.**
*18"	**P.O.A.**
*20"	**P.O.A.**
*24"	**P.O.A.**

* These outlet sizes not available on the FASTP style.

FORD IRON SERVICE SADDLES

STYLE **FCP202** FOR HDPE, SDR'S 9 THROUGH 17
DOUBLE WIDE BAND SADDLES FOR 3/4" THROUGH 2" TAPS

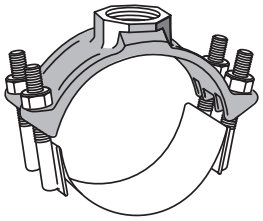
STYLE FCP202 DOUBLE WIDE BAND SADDLES (epoxy coated with stainless steel band and bolts)



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	List Price 3/4" and 1" Taps	Ctn. Qty.	List Price 1-1/4" - 2-1/2" Taps	Ctn. Qty.	Approx. Wt. Lbs.
4"	*4.50 4.80	**FCP202-450-Tap** **FCP202-480-Tap**	**$ 187.93**	6	**$ 204.11**	6	7.0
6"	6.63 6.90	**FCP202-663-Tap** **FCP202-690-Tap**	**212.70**	4	**226.81**	4	8.1
8"	8.63 9.05	**FCP202-863-Tap** **FCP202-905-Tap**	**244.33**	3	**259.77**	5	9.1
10"	10.75 11.10	**FCP202-1075-Tap** **FCP202-1110-Tap**	**315.50**	3	**337.40**	3	11.3
12"	12.75 13.20	**FCP202-1275-Tap** **FCP202-1320-Tap**	**325.48**	3	**357.71**	3	12.5

Note: Saddles are assembled with Belleville Spring Tensioning Washers under the saddle nuts.
* Saddles for this pipe O.D. are not available with 2" CC (CC7) or 2-1/2" IP (IP8) threads.

IMPORTED - STYLE STYLE FCP202 DOUBLE WIDE BAND SADDLES (epoxy coated with stainless steel band and bolts)



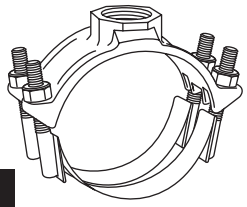
Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	List Price 3/4" and 1" Taps	Ctn. Qty.	List Price 1-1/4" - 2-1/2" Taps	Ctn. Qty.	Approx. Wt. Lbs.
4"	*4.50 4.80	**FCP202-450-Tap-I** **FCP202-480-Tap-I**	**$ 168.27**	6	**$ 215.98**	6	6.9
6"	6.63 6.90	**FCP202-663-Tap-I** **FCP202-690-Tap-I**	**187.79**	4	**222.69**	4	6.8
8"	8.63 9.05	**FCP202-863-Tap-I** **FCP202-905-Tap-I**	**213.13**	3	**256.62**	5	7.7
10"	10.75 11.10	**FCP202-1075-Tap-I** **FCP202-1110-Tap-I**	**288.08**	3	**341.94**	3	11.5
12"	12.75 13.20	**FCP202-1275-Tap-I** **FCP202-1320-Tap-I**	**324.89**	3	**359.49**	3	6.5

Note: Saddles are assembled with Belleville Spring Tensioning Washers under the saddle nuts.
* Saddles for this pipe O.D. are not available with 2" CC (CC7) or 2-1/2" IP (IP8) threads.

OUTLET THREAD TAP CODE

CC (AWWA) Thread		FIP Thread	
Thread	Code No.	Thread	Code No.
3/4" CC	**CC3**	3/4" IP	**IP3**
1" CC	**CC4**	1" IP	**IP4**
1-1/4" CC	**CC5**	1-1/4" IP	**IP5**
1-1/2" CC	**CC6**	1-1/2" IP	**IP6**
2" CC	**CC7**	2" IP	**IP7**

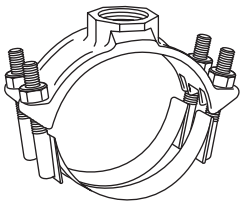
STYLE FCDP202 DUAL BAND SADDLES
(epoxy coated with dual stainless steel band and bolts)



Nom Pipe Size (In.)	Pipe O.D. Range (In.)	Catalog Number	List Price 3/4" & 1" Taps	Ctn. Qty.	List Price 1-1/4" - 2-1/2" Taps	Ctn. Qty.	Approx Wt. Lbs.
3	* 3.50	**FCDP202-350-TAP**	**$ 164.57**	6	**$ 178.31**	6	5.4
4	** 4.50	**FCDP202-450-TAP**	**209.66**	6	**237.69**	6	5.4
	4.80	**FCDP202-480-TAP**	**209.66**	6	**237.69**	6	5.4
6	6.63	**FCDP202-663-TAP**	**212.70**	4	**258.79**	4	6.8
	6.90	**FCDP202-690-TAP**	**212.70**	4	**258.79**	3	6.8
8	8.63	**FCDP202-863-TAP**	**254.53**	4	**270.89**	4	8.2
	9.05	**FCDP202-905-TAP**	**254.53**	4	**270.89**	3	8.2
10	10.75	**FCDP202-1075-TAP**	**294.38**	3	**350.72**	3	11.5
	11.10	**FCDP202-1110-TAP**	**294.38**	3	**350.72**	3	11.5
12	12.75	**FCDP202-1275-TAP**	**325.48**	2	**361.88**	2	12.5
	13.20	**FCDP202-1320-TAP**	**325.48**	2	**361.88**	2	12.5
14	14.00	**FCDP202-1400-TAP**	**332.85**	2	**367.45**	2	12.5
	15.30	**FCDP202-1530-TAP**	**332.85**	2	**367.45**	2	13.0
16	16.00	**FCDP202-1600-TAP**	**386.87**	2	**432.26**	2	13.0
	17.40	**FCDP202-1740-TAP**	**386.87**	2	**432.26**	2	13.6
18	18.00	**FCDP202-1800-TAP**	**391.23**	2	**493.18**	2	13.6
	19.50	**FCDP202-1950-TAP**	**391.23**	2	**493.18**	2	14.0
20	20.00	**FCDP202-2000-TAP**	**466.94**	2	**521.72**	2	14.0
	21.60	**FCDP202-2160-TAP**	**466.94**	2	**521.72**	2	14.2
24	24.00	**FCDP202-2400-TAP**	**568.75**	2	**615.65**	2	14.2
	25.80	**FCDP202-2580-TAP**	**568.75**	2	**615.65**	2	15.0
28	28.00	**FCDP202-2800-TAP**	**736.29**	2	**822.67**	2	17.8

* Saddles for this pipe range are **not** available with 1-1/4" (IP5), 2" (CC7) or 2-1/2" IP (IP8) threads.
** Saddles for this pipe O.D. are **not** available with 2" (CC7) or 2-1/2" IP (IP8) threads
Note: Contact factory for part numbers, pricing and availability of products complying with domestic program requirements.

IMPORTED - STYLE FCDP202 DUAL BAND SADDLES
(epoxy coated with dual stainless steel band and bolts)



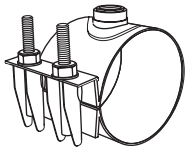
Nom Pipe Size (In.)	Pipe O.D. Range (In.)	Catalog Number	List Price 3/4" & 1" Taps	Ctn. Qty.	List Price 1-1/4" - 2-1/2" Taps	Ctn. Qty.	Approx Wt. Lbs.
4	* 4.50	**FCDP202-450-TAP-I**	**$ 168.27**	6	**$ 215.98**	6	5.4
	4.80	**FCDP202-480-TAP-I**	**168.27**	6	**215.98**	6	5.4
6	6.63	**FCDP202-663-TAP-I**	**187.79**	4	**222.69**	4	6.8
	6.90	**FCDP202-690-TAP-I**	**187.79**	4	**222.69**	3	6.8
8	8.63	**FCDP202-863-TAP-I**	**213.13**	4	**256.62**	4	8.2
	9.05	**FCDP202-905-TAP-I**	**213.13**	4	**256.62**	3	8.2
10	10.75	**FCDP202-1075-TAP-I**	**288.08**	3	**341.94**	3	11.5
	11.10	**FCDP202-1110-TAP-I**	**288.08**	3	**341.94**	3	11.5
12	12.75	**FCDP202-1275-TAP-I**	**324.89**	2	**359.49**	2	12.5
	13.20	**FCDP202-1320-TAP-I**	**324.89**	2	**359.49**	2	12.5

* Saddles for this pipe range are **not** available with 1-1/4" (IP5), 2" (CC7) or 2-1/2" IP (IP8) threads.
Note: Contact factory for part numbers, pricing and availability of products complying with domestic program requirements.

OUTLET THREAD TAP CODE

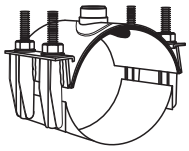
CC (AWWA) THREAD		FIP THREAD	
Thread	Code No.	Thread	Code No.
3/4" CC	**CC3**	3/4" IP	**IP3**
1" CC	**CC4**	1" IP	**IP4**
1-1/4" CC	**CC5**	1-1/4" IP	**IP5**
1-1/2" CC	**CC6**	1-1/2" IP	**IP6**
2" CC	**CC7**	2" IP	**IP7**
-	-	2-1/2" IP	**IP8**

STAINLESS STEEL SADDLES FOR HDPE PIPE
(Belleville washers required above 12")



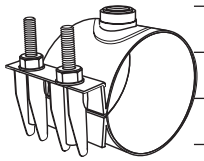
FS313 SINGLE BAND

Nom. Pipe Size	Catalog Number	O.D. Range (Inches)	Bolt Size	No. of Sections	Band Width		List Price		Approx. Weights	
					1/2"-1"	1-1/4"-2"	1/2"-1" Taps	1-1/4"-2" Taps	1/2"- 1" Taps	1-1/4"- 2" Taps
2"	**FS313-213-Tap**	2.13	1/2"	1	6"	-	**$ 105.42**	-	1.9	-
	FS313-238-Tap	2.38	1/2"	1	6"	-	**105.42**			
	FS313-270-Tap	2.50 - 2.70	1/2"	1	6"	-	**105.42**			
2-1/2"	**FS313-288-Tap**	2.88	1/2"	1	6"	-	**107.78**	-	2.1	-
3"	****FS313-350-Tap**	3.50	1/2"	1	6"	7-1/2"	**110.31**	**$ 148.59**	2.3	4.2
	***FS313-410-Tap**	3.90 - 4.10	1/2"	1	6"	7-1/2"	**110.31**			
4"	**FS313-480-Tap**	4.50 - 4.80	1/2"	1	6"	7-1/2"	**126.44**	**251.02**	3.6	5.0
	FS313-520-Tap	4.80 - 5.20	1/2"	1	6"	7-1/2"				
5"	**FS313-556-Tap**	5.56	5/8"	1	6"	7-1/2"	**129.29**	**252.40**	4.5	5.2
6"	**FS313-640-Tap**	6.00 - 6.40	5/8"	1	6"	7-1/2"	**180.91**	**258.33**	4.3	5.5
	FS313-680-Tap	6.40 - 6.80	5/8"	1	6"	7-1/2"				
	FS313-690-Tap	6.63 - 6.90	5/8"	1	6"	7-1/2"				
	FS313-720-Tap	6.80 - 7.20	5/8"	1	6"	7-1/2"				
8"	**FS313-840-Tap**	8.00 - 8.40	5/8"	1	6"	7-1/2"	**183.52**	**267.25**	5.2	6.3
	FS313-880-Tap	8.40 - 8.80	5/8"	1	6"	7-1/2"				
	FS313-905-Tap	8.63 - 9.05	5/8"	1	6"	7-1/2"				
	FS313-940-Tap	9.00 - 9.40	5/8"	1	6"	7-1/2"				
10"	**FS313-1040-Tap**	10.00 - 10.40	5/8"	1	6"	7-1/2"	**223.68**	**283.77**	5.9	6.9
	FS313-1110-Tap	10.75 - 11.10	5/8"	1	6"	7-1/2"				
	FS313-1150-Tap	11.10 - 11.50	5/8"	1	6"	7-1/2"				
12"	**FS313-1240-Tap**	12.00 - 12.40	5/8"	1	6"	7-1/2"	**228.75**	**298.67**	6.8	5.5
	FS313-1320-Tap	12.75 - 13.20	5/8"	1	6"	7-1/2"				
	FS313-1350-Tap	13.10 - 13.50	5/8"	1	6"	7-1/2"				



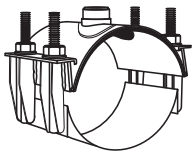
FS323 DOUBLE BAND

4"	**FS323-554-Tap**	4.74-5.54	5/8"	2	6"	7-1/2"	**$ 187.93**	**$ 265.94**	7.0	7.6
6"	**FS323-720-Tap**	6.40-7.20	5/8"	2	6"	7-1/2"	**195.86**	**273.28**	8.0	10.0
8"	**FS323-920-Tap**	8.40-9.20	5/8"	2	6"	7-1/2"	**198.46**	**282.20**	9.5	9.5
10"	**FS323-1150-Tap**	10.70-11.50	5/8"	2	6"	7-1/2"	**238.59**	**372.87**	9.6	10.3
12"	**FS323-1350-Tap**	12.70-13.50	5/8"	2	6"	7-1/2"	**243.69**	**376.57**	9.5	11.0



FSP313 SINGLE BAND (with Belleville washers)

Nom. Pipe Size	Catalog Number	O.D. Range (Inches)	Bolt Size	No. of Sections	Band Width		List Price		Approx. Weights	
					1/2"-1"	1-1/4"-2"	1/2"-1" Tap	1-1/4"-2" Tap	1/2"- 1" Taps	1-1/4"- 2" Taps
2"	**FSP313-238-Tap**	2.38	1/2"	1	6"	-	**$ 113.97**	-	2.0	-
3"	***FSP313-350-Tap**	3.50	1/2"	1	6"	7-1/2"	**118.88**	**$ 151.84**	2.1	4.1
	***FSP313-396-Tap**	3.96	1/2"	1	6"	-	**118.88**	-	-	-
4"	**FSP313-450-Tap**	4.50	1/2"	1	6"	7-1/2"	**143.58**	-	4.5	4.5
	FSP313-480-Tap	4.50-4.80	1/2"	1	6"	7-1/2"		**268.13**	3.3	4.5
6"	**FSP313-663-Tap**	6.63	5/8"	1	6"	7-1/2"	**198.05**	**275.48**	4.3	5.6
	FSP313-690-Tap	6.90								
8"	**FSP313-863-Tap**	8.63	5/8"	1	6"	7-1/2"	**200.65**	**284.40**	5.2	5.2
	FSP313-905-Tap	9.05								
10"	**FSP313-1075-Tap**	10.75	5/8"	1	6"	7-1/2"	**257.94**	**318.05**	5.8	6.9
	FSP313-1110-Tap	11.10								
12"	**FSP313-1275-Tap**	12.75	5/8"	1	6"	7-1/2"	**263.02**	**332.94**	6.9	5.7
	FSP313-1320-Tap	13.20								



FSP323 DOUBLE BAND (with Belleville washers)

14"	**FSP323-1400-Tap**	14.00	5/8"	2	6"	7-1/2"	**$ 475.30**	**$ 479.07**	10.0	13.0
	FSP323-1530-Tap	15.30								
16"	**FSP323-1600-Tap**	16.00	5/8"	2	6"	7-1/2"	**496.51**	**510.61**	10.5	12.0
	FSP323-1740-Tap	17.40								
18"	**FSP323-1800-Tap**	18.00	5/8"	2	6"	7-1/2"	**506.81**	**527.93**	10.5	12.7
	FSP323-1950-Tap	19.50								

FSP333 TRIPLE BAND (with Belleville washers)

20"	**FSP333-2000-Tap**	20.00	5/8"	3	6"	7-1/2"	**$ 637.90**	**$ 650.55**	14.5	19.6
	FSP333-2160-Tap	21.60	5/8"	3	6"	7-1/2"				
24"	**FSP333-2400-Tap**	24.00	5/8"	3	6"	7-1/2"	**656.49**	**697.93**	15.5	17.4
	FSP333-2580-Tap	25.80	5/8"	3	6"	7-1/2"				
30"	**FSP333-3000-Tap**	30.00	5/8"	3	6"	7-1/2"	**767.43**	**814.29**	17.0	20.4
	FSP333-3200-Tap	32.00	5/8"	3	6"	7-1/2"				

FSP343 QUAD BAND (with Belleville washers)

36"	**FSP343-3600-Tap**	36.00	5/8"	4	6"	7-1/2"	**$ 1008.16**	**$ 1058.28**	14.5	17.0
	FSP343-3830-Tap	38.30	5/8"	4	6"	7-1/2"				

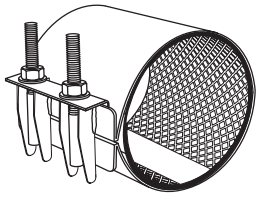
Note: Coined outlet not available on 2" and 3" saddles.

* CC7 not available for this size.

** CC6, CC7 and IP7 not available for this size.

FORD ALL STAINLESS REPAIR CLAMPS
FOR USE ON HDPE PIPE

STYLE FSP1 SINGLE BAND



Nom. Pipe Size	Pipe O.D. Range (Inches)	Catalog Number	Length, List Price and Approximate Shipping Weight lbs.							
			6"	7.5"	10"	12.5"	15"	20"	24"	30"
2"	2.38 2.50	*FSP1-238-Length FSP1-250-Length	**$ 137.32** 4 lbs.	**$ 152.67** 4 lbs.	**$ 200.02** 5 lbs.	**$ 218.89** 5 lbs.	**$ 288.27** 8 lbs.	-	-	-
3"	3.50	FSP1-350-Length	**156.75** 4	**175.71** 5	**233.49** 5	**255.19** 6	**315.38** 9	**P.O.A.** 13	**P.O.A.** 15	**P.O.A.** 18
4"	4.50 4.80	FSP1-450-Length FSP1-480-Length	**161.83** 4	**183.98** 6	**254.56** 7	**292.72** 8	**324.73** 10	**$ 522.94** 14 lbs.	**$ 661.00** 16 lbs.	**$ 729.18** 21 lbs.
6"	6.63 6.90	FSP1-663-Length FSP1-690-Length	-	**217.92** 7	**298.12** 9	**346.69** 10	**389.28** 14	**636.04** 17	**764.38** 21	**864.59** 27
8"	8.63 9.05	FSP1-863-Length FSP1-905-Length	-	**252.58** 8	**337.51** 10	**403.14** 11	**465.74** 15	**683.08** 19	**849.24** 24	**1000.78** 30
10"	10.75 11.10	FSP1-1075-Length FSP1-1110-Length	-	**341.45** 11	**465.50** 14	**543.39** 16	**620.11** 24	**833.74** 28	**1216.12** 32	**1387.27** 42
12"	12.75 13.20	FSP1-1275-Length FSP1-1320-Length	-	**385.78** 13	**513.27** 16	**623.92** 18	**700.86** 27	**980.34** 30	**1338.06** 36	**1527.10** 48
Number of Studs			2	2	3	**3-4	4	6	7	9

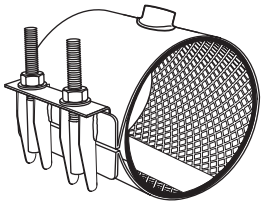
* FSP1-238 is available up through 12.5" length.
** 12.5" long clamps in the 10" and 12" nominal pipe size have four studs.

To Order: Specify catalog number and length of desired clamp. For example: An FSP1-663-125 would have a length of 12.5" and cover an O.D. of 6.63".

Notes: Optional **electric conductivity strips** are available on FSP1 clamps; add "-CS" to catalog number. Example: FSP1-663-75-CS Lengths 7.5" through 10" add **$ 11.98**. Lengths 12.5" and up add **$ 20.94**.
Tapped outlets for clamps are available below.

Optional **NBR (Buna-N)** gaskets are available, add "-N" to the catalog number. Example: FSP1-663-75-N. Add 5% to the list price.
Optional **EPDM** gaskets are available, add "-EPDM" to the catalog number. Example: FSP1-663-75-EPDM
Add 10% to the list price.

FORD TAPPED REPAIR CLAMPS - CC AND IP TAPS



OUTLET TAPS for corporation stops are available on ALL Ford Stainless Steel (FSP Style) or Ford Flex (FP Style) Repair Clamps. The minimum clamp size for each tap type and size is listed in the tapping code table below. The tapped outlet is stainless steel and is fused to the clamp band by a fully passivated TIG weld.
Note: Tapped repair clamps are non-returnable.

CC (AWWA) Thread

Size	Code Number	Min. Clamp Size			Add on List Price
		FP1 or FSP1	FP2	FSP2	
3/4"	**CC3**	2.63	5.60	5.24	**$ 92.86**
1"	**CC4**	2.63	5.60	5.24	**92.86**
1-1/4"	***CC5**	3.70	5.60	5.24	**119.87**
1-1/2"	**CC6**	3.70	5.60	5.24	**119.87**
2"	**CC7**	4.00	5.60	5.57	**148.69**

* Contact factory for availability.

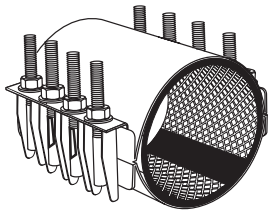
IP Thread

Size	Code Number	Min. Clamp Size			Add on List Price
		FP1 or FSP1	FP2	FSP2	
3/4"	**IP3**	2.63	5.60	5.24	**$ 92.86**
1"	**IP4**	2.63	5.60	5.24	**92.86**
1-1/4"	***IP5**	3.70	5.60	5.24	**119.87**
1-1/2"	**IP6**	3.70	5.60	5.24	**119.87**
2"	**IP7**	3.70	5.60	5.57	**133.09**

* Contact factory for availability.

To Order: 1. Select the proper code from table to match desired size and type of thread.
2. Add code to catalog number of repair clamp.
Example: The number for an FSP1-690-125 with a 3/4" CC tap is FSP1-690-125-CC3.

STYLE FSP2 DOUBLE BAND



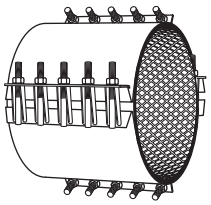
Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Length, List Price and Approximate Shipping Weight Lbs						
			7.5"	10"	12.5"	15"	20"	24"	30"
4"	4.50	**FSP2-450-Length**	**$ 287.77**	**$ 386.69**	**$ 442.67**	**$ 542.80**	**$ 739.77**	**$ 946.30**	-
	4.80	**FSP2-480-Length**	11 lbs.	14 lbs.	18 lbs.	26 lbs.	32 lbs.	38 lbs.	
6"	6.63	**FSP2-663-Length**	**327.99**	**428.46**	**491.42**	**618.12**	**757.07**	**1132.66**	**$ 1338.54**
	6.90	**FSP2-690-Length**	12	15	19	28	35	42	45 lbs.
8"	8.63	**FSP2-863-Length**	**369.57**	**471.47**	**541.17**	**695.95**	**859.20**	**1276.64**	**1484.48**
	9.05	**FSP2-905-Length**	13	17	21	30	38	46	51
10"	10.75	**FSP2-1075-Length**	-	**601.39**	**835.29**	**859.53**	**1160.77**	**1545.17**	**1804.16**
	11.10	**FSP2-1110-Length**		18	23	32	41	50	54
12"	12.75	**FSP2-1275-Length**		**680.54**	**939.07**	**962.72**	**1325.04**	**1701.79**	**2041.72**
	13.20	**FSP2-1320-Length**	-	19	25	34	44	54	57
14"	14.00	**FSP2-1400-Length**	-	**764.02**	**1052.58**	**1145.12**	**1484.16**	**1908.06**	**2292.13**
	15.30	**FSP2-1530-Length**		20	27	36	47	58	63
16"	16.00	**FSP2-1600-Length**		**864.58**	**1129.20**	**1248.34**	**1640.50**	**2112.93**	**2606.99**
	17.40	**FSP2-1740-Length**	-	22	29	38	50	62	66
Number of Studs			4	6	*6-8	8	12	14	18

* 12.5" long clamps in the 10" through 16" nominal pipe size have 8 studs.

To Order: Specify catalog number and length of desired clamp. For example: An FSP2-905-125 would have a length of 12.5" and cover an O.D. of 9.05".

Notes: Optional **electric conductivity strips** are available on FSP2-905 and larger, add "-CS" to catalog number. Example: FSP2-905-75-CS. Lengths 7.5" through 10" add **$ 11.98**. Lengths 12.5" and up add **$ 20.94**.
Tapped repair clamp codes and prices are on page HDPE-9.
Optional **NBR (Buna-N)** gaskets are available, add "-N" to the catalog number. Example: FSP2-905-75-N. Add 5% to the list price.
Optional **EPDM** gaskets are available, add "-EPDM" to the catalog number. Example: FSP2-905-75-EPDM. Add 10% to the list price.

STYLE FSP3 TRIPLE BAND



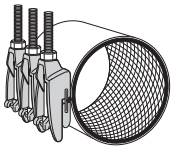
Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Length, List Price and Approximate Shipping Weight Lbs.				
			12.5"	15"	20"	24"	30"
16"	16.00	**FSP3-1600-Length**	**$ 1297.18**	**$ 1519.60**	**$ 2072.55**	**$ 2605.04**	**$ 3620.89**
	17.40	**FSP3-1740-Length**	31 lbs.	40 lbs.	52 lbs.	64 lbs.	77 lbs.
18"	18.00	**FSP3-1800-Length**	**1364.22**	**1630.63**	**2222.87**	**2827.90**	**3695.54**
	19.50	**FSP3-1950-Length**	35	44	56	68	84
20"	20.00	**FSP3-2000-Length**	**1498.55**	**1684.20**	**2295.60**	**3143.85**	**4113.63**
	21.60	**FSP3-2160-Length**	41	48	60	73	89
24"	24.00	**FSP3-2400-Length**	**1861.05**	**2628.54**	**3575.10**	**4558.55**	**6002.91**
	25.80	**FSP3-2580-Length**	46	53	65	79	102
Number of Studs			12	12	18	21	27

To Order: Specify catalog number and length of desired clamp. For example: An FSP3-1800-125 would have a length of 12.5" and cover an O.D. of 18.00".

Notes: Optional **electric conductivity strips** are available, add "-CS" to catalog number. Example: FSP3-1800-125-CS. Lengths 7.5" through 10" add **$ 11.98**. Lengths 12.5" and up add **$ 20.94**.
Tapped repair clamp codes and prices are on page HDPE-9.
Optional **NBR (Buna-N)** gaskets are available, add "-N" to the catalog number. Example: FSP3-1800-125-N. Add 5% to the list price.
Optional **EPDM** gaskets are available, add "-EPDM" to the catalog number. Example: FSP3-1800-125-EPDM. Add 10% to the list price.

FORD FLEX REPAIR CLAMPS FOR USE ON HDPE PIPE

STYLE FP1 SINGLE BAND



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Length, List Price and Approximate Shipping Weight Lbs..					
			7.5"	10"	12.5"	15"	20"	30"
2"	2.38 2.50	FP1-238-Length FP1-250-Length	$ 143.80 7 lbs.	$ 181.97 9 lbs.	$ 211.05 12 lbs.	$ 262.07 14 lbs.	-	-
3"	3.50	FP1-350-Length	165.22 8	215.34 10	242.82 12	297.06 14	-	-
4"	4.50 4.80	FP1-450-Length FP1-480-Length	178.62 11	244.06 15	287.56 18	317.63 22	$ 481.35 29	$ 728.90 44
6"	6.63 6.90	FP1-663-Length FP1-690-Length	209.78 13	284.15 17	337.38 21	376.89 25	557.99 34	822.06 51
8"	8.63 9.05	FP1-863-Length FP1-905-Length	246.54 15	331.25 20	396.79 25	456.30 29	644.14 38	922.33 58
10"	10.75 11.10	FP1-1075-Length FP1-1110-Length	308.11 16	417.19 21	486.28 28	561.77 31	749.96 41	1093.54 62
12"	12.75 13.20	FP1-1275-Length FP1-1320-Length	363.48 18	476.77 23	583.76 29	647.56 35	941.61 46	1342.83 70
Number of Bolts			3	4	5	6	8	12
Add price for 5/8" 304 stainless steel nuts and bolts. Add "-SH" to Cat. No. (Example: FP1-663-75-SH)			55.58	74.13	92.66	111.16	149.08	222.39

To Order: Specify catalog number and length of desired clamp. For example: An FP1-663-125 would have a length of 12.5" and cover an O.D. of 6.63".

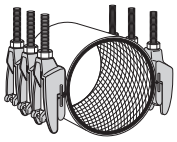
Notes: Tapped repair clamp codes and prices are on page HDPE-12.

Optional **electric conductivity strips** are available, add "-CS" to catalog number. Example: FP1-663-75-CS. Lengths 7.5" through 10" add **$ 11.98**. Lengths 12.5" and up add **$ 20.94**.

Optional **NBR (Buna-N)** gaskets are available, add "-N" to the catalog number. Example: FP1-663-75-N. Add 5% to the list price.

Optional **EPDM** gaskets are available, add "-EPDM" to the catalog number. Example: FP1-663-75-EPDM. Add 10% to the list price.

STYLE FP2 DOUBLE BAND



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Length, List Price and Approximate Shipping Weight Lbs.					
			7.5"	10"	12.5"	15"	20"	30"
4"	4.50 4.80	FP2-450-Length FP2-480-Length	$ 295.28 20 lbs.	$ 390.98 27 lbs.	$ 462.16 32 lbs.	$ 559.04 40 lbs.	$ 749.82 53 lbs.	$ 1139.98 80 lbs.
6"	6.63 6.90	FP2-663-Length FP2-690-Length	334.04 22	431.31 29	508.04 36	631.48 43	846.89 57	1278.16 86
8"	8.63 9.05	FP2-863-Length FP2-905-Length	373.83 23	472.67 29	556.89 38	706.32 46	963.61 61	1436.36 92
10"	10.75 11.10	FP2-1075-Length FP2-1110-Length	404.90 24	487.70 30	558.15 42	692.59 46	926.78 69	1414.55 98
12"	12.75 13.20	FP2-1275-Length FP2-1320-Length	481.41 27	601.46 30	678.37 44	859.79 47	1171.98 70	1751.34 100
14"	14.00 15.30	FP2-1400-Length FP2-1530-Length	-	778.03 31	-	1172.29 49	1587.66 71	2400.03 101
16"	16.00 17.40	FP2-1600-Length FP2-1740-Length	-	855.66 32	-	1236.43 50	1619.18 72	2527.48 104
18"	18.00 19.50	FP2-1800-Length FP2-1950-Length	-	898.42 33	-	1297.61 53	1755.60 74	2653.97 105
20"	20.00 21.60	FP2-2000-Length FP2-2160-Length	-	931.11 35	-	1344.77 54	1850.46 75	2797.61 106
Number of Bolts			6	8	10	12	16	24
Add price for 5/8" 304 stainless steel nuts and bolts. Add "-SH" to Cat. No. (Example: FP2-905-75-SH)			111.16	140.25	185.34	222.39	296.54	444.83

To Order: Specify catalog number and length of desired clamp. For example: An FP2-905-125 would have a length of 12.5" and cover an O.D. of 9.05".

Notes: Tapped repair clamp codes and prices are on page HDPE-12.

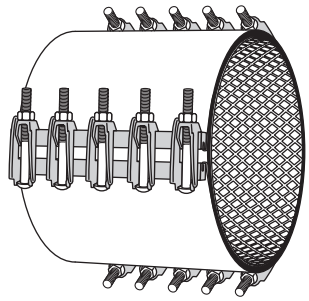
Optional **electric conductivity strips** are available, add "-CS" to catalog number. Example: FP2-905-75-CS. Lengths 7.5" through 10" add **$ 11.98**. Lengths 12.5" and up add **$ 20.94**.

Optional **NBR (Buna-N)** gaskets are available, add "-N" to the catalog number. Example: FP2-905-75-N. Add 5% to the list price.

Optional **EPDM** gaskets are available, add "-EPDM" to the catalog number. Example: FP2-905-75-EPDM. Add 10% to the list price.

FORD FLEX REPAIR CLAMPS FOR USE ON HDPE PIPE (CONTINUED)

STYLE FP3 TRIPLE BAND



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	Length, List Price and Approximate Shipping Weight Lbs.			
			10"	15"	20"	30"
24"	24.00	**FP3-2400-Length**	**$ 1700.03**	**$ 2453.40**	**$ 3319.79**	**$ 5019.54**
	25.80	**FP3-2580-Length**	104 lbs.	152 lbs.	190 lbs.	275 lbs.
30"	30.00	**FP3-3000-Length**	**1852.91**	**2676.87**	**3621.59**	**5475.58**
	32.00	**FP3-3200-Length**	113	163	204	290
NUMBER OF BOLTS			12	18	24	36
Add price for 5/8" 304 stainless steel nuts and bolts. Add "-SH" to Cat. No. (Example: FP3-2400-10-SH)			**210.36**	**333.57**	**444.80**	**667.21**

To Order: Specify catalog number and length of desired clamp.
For example: An FP3-2400-20 would have a length of 20" and an O.D. of 24.00".

Notes: Tapped repair clamp codes and prices are listed below.

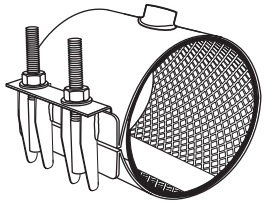
Optional **electric conductivity strips** are available on FP3-2400 and larger, add "-CS" to catalog number. Example: FP3-2400-15-CS
Length of 10" add **$ 11.98**. Lengths 12.5" and up add **$ 20.94**.

Optional **NBR (Buna-N)** gaskets are available, add "-N" to the catalog number. Add 5% to the list price.

Optional **EPDM** gaskets are available, add "-EPDM" to the catalog number. Add 10% to the list price.

HDPE

FORD TAPPED REPAIR CLAMPS - CC AND IP TAPS



OUTLET TAPS for corporation stops are available on ALL Ford stainless steel (FSP Style) or Ford Flex (FP Style) Repair Clamps. The minimum clamp size for each tap type and size is listed in the tapping code table below. The tapped outlet is 18-8 stainless steel and is fused to the clamp band by a fully passivated TIG weld. All tap options listed below are available on all FP3 clamps listed above.
Note: Tapped repair clamps are non-returnable.

CC (AWWA) Thread

Size	Code Number	Min. Clamp Size			Add on List Price
		FP1 or FSP1	FP2	FSP2	
3/4"	**CC3**	2.63	5.60	5.24	**$ 92.86**
1"	**CC4**	2.63	5.60	5.24	**92.86**
1-1/4"	***CC5**	3.70	5.60	5.24	**119.87**
1-1/2"	**CC6**	3.70	5.60	5.24	**119.87**
2"	**CC7**	4.00	5.60	5.57	**148.69**

* Contact factory for availability.

IP Thread

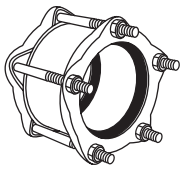
Size	Code Number	Min. Clamp Size			Add on List Price
		FP1 or FSP1	FP2	FSP2	
3/4"	**IP3**	2.63	5.60	5.24	**$ 92.86**
1"	**IP4**	2.63	5.60	5.24	**92.86**
1-1/4"	***IP5**	3.70	5.60	5.24	**119.87**
1-1/2"	**IP6**	3.70	5.60	5.24	**119.87**
2"	**IP7**	4.00	5.60	5.57	**133.09**

* Contact factory for availability.

To Order: 1. Select the proper code from table to match desired size and type of thread.
2. Add code to catalog number of repair clamp.

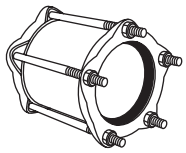
Example: The number for an FSP1-690-125 with a 3/4" CC tap is FSP1-690-125-CC3.

FORD DUCTILE IRON COUPLINGS
STYLE **FC1** FOR HDPE PIPE



Nom. Pipe Size	Gasket Rng 1st half Cat. No.	End Ring Color	By	Gasket Rng 2nd Half Cat. No.	End Ring Color	Center Sleeve Length	No. of Bolts	Approx. Wt. Lbs.	Standard Catalog Number	List Price: Standard Coupling	List Price: *Optional Feature Codes: Stainless Steel Bolts -X	List Price: *Optional Feature Codes: Epoxy Coat and S.S. Bolts -Y
2"	2.34-2.63	Red		2.34-2.63	Red	4"	2	6	**FC1-263-263**	**$ 101.80**	**$ 140.90**	**$ 166.05**
2-1/2"	See 2" FC2A on next page											
4"	4.00 4.00 4.50-4.80 4.50-4.80 4.80-5.10	Red Red Red Red Black		4.50-4.80 4.80-5.10 4.50-4.80 4.80-5.10 4.80-5.10	Red Black Red Black Black	5"	3	14	**FC1-400-480** **FC1-400-510** **FC1-480-480** **FC1-480-510** **FC1-510-510**	**180.87**	**251.02**	**311.87**
6"	6.00 6.63-6.90 6.63-6.90	Red Red Red		6.63-6.90 6.63-6.90 6.90-7.20	Red Red Black	5"	4	20	**FC1-600-690** **FC1-690-690** **FC1-690-720**	**246.73**	**340.29**	**430.57**
8"	8.00 8.63-9.05 8.63-9.05	Red Red Red		8.63-9.05 8.63-9.05 9.05-9.40	Red Red Black	5"	5	29	**FC1-800-905** **FC1-905-905** **FC1-905-940**	**329.28**	**438.11**	**566.58**
10"	10.75 10.75 11.10-11.46	Red Red Black		10.75 11.10-11.46 11.10-11.46	Red Black Black	6"	6	41.5	**FC1-1075-1075** **FC1-1075-1146** **FC1-1146-1146**	**443.62**	**574.21**	**755.41**
12"	12.75 12.75 13.20-13.56	Red Red Black		12.75 13.20-13.56 13.20-13.56	Red Black Black	6"	7	54.5	**FC1-1275-1275** **FC1-1275-1356** **FC1-1356-1356**	**511.86**	**664.26**	**910.39**

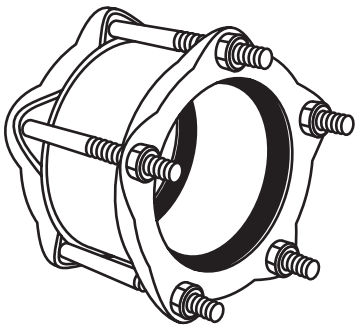
FORD DUCTILE IRON COUPLINGS
STYLE **FC1-L12** (12" lengths) FOR HDPE PIPE



Nom. Pipe Size	Gasket Rng 1st half Cat. No.	End Ring Color	By	Gasket Rng 2nd Half Cat. No.	End Ring Color	Center Sleeve Length	No. of Bolts	Approx. Wt. Lbs.	Standard Catalog Number	List Price: Standard Coupling	List Price: *Optional Feature Codes: Stainless Steel Bolts -X	List Price: *Optional Feature Codes: Epoxy Coat and S.S. Bolts -Y
4"	4.00 4.50-4.80 4.50-4.80	Red Red Red		4.50-4.80 4.50-4.80 4.80-5.10	Red Red Black	12"	3	29	**FC1-400-480-L12** **FC1-480-480-L12** **FC1-480-510-L12**	**$ 295.86**	**$ 416.93**	**$ 543.15**
6"	6.00 6.63-6.90 6.63-6.90	Red Red Red		6.63-6.90 6.63-6.90 6.90-7.20	Red Red Black	12"	4	42	**FC1-600-690-L12** **FC1-690-690-L12** **FC1-690-720-L12**	**418.74**	**580.22**	**767.37**

To Order: Locate the gasket range that accommodates your pipe O.D. for both coupling ends.
Example: To connect 6.63 O.D. PVC pipe to 7.10 O.D. pipe use catalog number FC1-690-720; for 12" long sleeve FC1-690-720-L12.
***Options:** **X** Standard coated coupling with stainless steel nuts and bolts: add "**-X**" to the catalog number.
Y Epoxy coated coupling with stainless steel nuts and bolts: add "**-Y**" to the catalog number.
Example: FC1-690-720-Y is an FC1 coupling with epoxy coating and stainless steel nuts and bolts.
N Coupling with **NBR (Buna-N)** gaskets: add "**-N**" to the catalog number and add 5% of the standard coupling price to the list price.

FORD TRANSITION COUPLINGS
STYLE **FC2A** FOR HDPE PIPE



Nom. Pipe Size	Gasket Range 1st half Cat. No.	End Ring Color	By	Gasket Range 2nd half Cat. No.	End Ring Color	Center Sleeve Length	No. of Bolts	Approx. Wt. Lbs.	List Price: Standard Coupling	List Price: *Optional Feature Codes: Stainless Steel Bolts -X	List Price: *Optional Feature Codes: Epoxy Coat and S.S. Bolts -Y
2"	2.30-2.45 2.40-2.65	Black Black		2.30-2.45 2.40-2.65	Black Black	4"	2	9	**$ 102.39**	**$ 141.45**	**$ 181.14**
2-1/2"	2.65-2.88	Black		2.65-2.88	Black						
3"	3.45-3.60 3.70-3.88	Red Black		3.45-3.60 3.70-3.88	Red Black	4"	3	14	**167.93**	**226.62**	**288.19**
4"	4.50 4.80-5.14	Red Red Black		4.00 4.50 4.80-5.14	Red Red Black	5"	3	16	**198.45**	**268.63**	**338.71**
5"	5.15-5.57	White/Gray		5.15-5.57	White/Gray						
6"	6.63 6.90-7.20	Red Black		6.63 6.90-7.20	Red Black	5"	4	24	**270.75**	**364.29**	**470.60**
8"	8.63 9.05-9.40	Red Black		8.63 9.05-9.40	Red Black	5"	5	34	**342.75**	**459.65**	**606.27**
10"	10.00 10.75 11.10-11.40 11.42-11.77 11.77-12.12	Red Red Black Black White/Gray		10.00 10.75 11.10-11.40 11.42-11.77 11.77-12.12	Red Red Black Black White/Gray	6"	6	48	**471.51**	**602.05**	**818.33**
12"	12.75 13.20-13.50	Black Black		12.75 13.20-13.50	Black Black	6"	7	62	**561.75**	**714.13**	**983.43**
14"	13.69-14.04 15.30-15.70	White/Gray Black		13.69-14.04 15.30-15.70	White/Gray Black	6"	9	79	**928.24**	**1215.21**	**1553.43**
16"	16.00-16.35 17.40-17.80	Red Black		16.00-16.35 17.40-17.80	Red Black	6"	10	103	**1117.67**	**1436.51**	**1881.72**
18"	19.50-20.00	Black		19.50-20.00	Black	7"	11	111	**1696.50**	**2047.23**	**2540.64**
20"	21.60-22.06	Black		21.60-22.06	Black	7"	12	125	**2034.54**	**2417.16**	**2937.84**
24"	25.80-26.32	Black		25.80-26.32	Black	10"	14	183	**3460.41**	**3960.94**	**4553.27**

To Order: Locate the gasket range that accommodates your pipe O.D. for both coupling ends. Use the top range of each gasket size to determine the catalog number.

Example: To connect 6.63 O.D. HDPE pipe to 6.90 O.D. pipe use catalog number FC2A-663-720.

***Options:** **X** Standard coated coupling with stainless steel nuts and bolts: add "**-X**" to the catalog number.

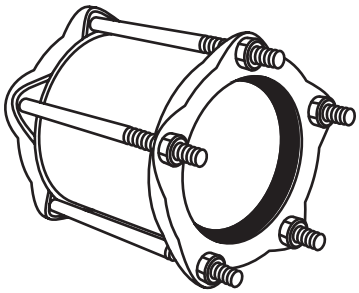
Y Epoxy coated coupling with stainless steel nuts and bolts: add "**-Y**" to the catalog number.
Example: FC2A-690-720-Y is an FC2A coupling with epoxy coating and stainless steel nuts and bolts.

N Coupling with **NBR (Buna-N)** gaskets: add "**-N**" to the catalog number and add 5% of the standard coupling price to the list price.

Note: Gaskets for SDR 35 sewer pipe are available in the following sizes: 4.22", 6.23", 10.50" and 12.50". Use these sizes as part of the catalog number. Contact factory for pricing.

FORD TRANSITION COUPLINGS

STYLE **FC2A-L12** (12" lengths) FOR HDPE PIPE



HDPE

Nom. Pipe Size	Gasket Range 1st half Cat. No.	End Ring Color	By	Gasket Range 2nd half Cat. No.	End Ring Color	Center Sleeve Length	No. of Bolts	Approx. Wt. Lbs.	List Price		
									Standard Coupling	*Optional Feature Codes	
										Stainless Steel Bolts -X	Epoxy Coat and S.S. Bolts -Y
4"	4.50 4.80-5.14	Red Black		4.50 4.80-5.14	Red Black	12"	3	34	**$ 360.22**	**$ 481.35**	**$ 629.32**
5"	5.15-5.57	White/Gray		5.15-5.57	White/Gray	12"	3	34	**360.22**	**481.35**	**629.32**
6"	6.63 6.90-7.20	Red Black		6.63 6.90-7.20	Red Black	12"	4	48	**449.03**	**610.47**	**819.36**
8"	8.63 9.05-9.40	Red Black		8.63 9.05-9.40	Red Black	12"	5	63	**573.37**	**775.18**	**984.09**
10"	10.75 11.10-11.40	Red Black		10.75 11.10-11.40	Red Black	12"	6	83	**793.18**	**1035.39**	**1396.60**
12"	12.75 13.20-13.50	Black Black		12.75 13.20-13.50	Black Black	12"	7	106	**927.76**	**1210.31**	**1671.66**
14"	13.69-14.04 14.03-14.38	White/Gray White/Gray		13.69-14.04 14.03-14.38	White/Gray White/Gray	12"	7	106	**927.76**	**1210.31**	**1671.66**

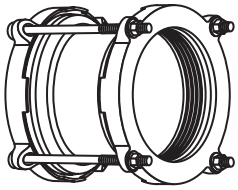
To Order: Locate the gasket range that accommodates your pipe O.D. for both coupling ends. Use the top range of each gasket size to determine the catalog number.

Example: To connect 6.63 O.D. HDPE pipe to 6.90 O.D. pipe use catalog number FC2A-663-720-L12.

***Options:**
- **X** Standard coated coupling with stainless steel nuts and bolts: add "**-X**" to the catalog number.
- **Y** Epoxy coated coupling with stainless steel nuts and bolts: add "**-Y**" to the catalog number.
  Example: FC2A-690-720-L12-Y is an FC2A coupling with epoxy coating and stainless steel nuts and bolts.
- **N** Coupling with **NBR (Buna-N)** gaskets: add "**-N**" to the catalog number and add 5% of the standard coupling price to the list price.

Note: Gaskets for SDR 35 sewer pipe are available in the following sizes: 4.22", 6.23", 10.50" and 12.50". Use these sizes as part of the catalog number. Contact factory for pricing.

FORD "ULTRA-FLEX" WIDE RANGE COUPLINGS - STYLE **FC2W** FOR HDPE PIPE

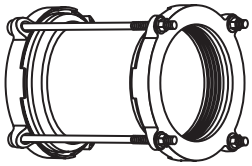


Nom. Pipe Size	Range (Inches)	Range (mm)	Catalog Number	Number of Bolts	Sleeve Length	Approx. Wt. Lbs.	List Price	
							Standard Cplg. Includes Epoxy	Stainless Steel Bolt Option *-X
3"	2.50-4.29	63.5-109.0	**FC2W-3**	3	7"	26.7	**$ 288.32**	**$ 393.39**
4"	3.96-5.60	100.6-142.2	**FC2W-4**	4	7"	34.2	**311.07**	**457.46**
6"	6.23-7.60	158.2-193.0	**FC2W-6**	4	7"	44.6	**440.00**	**586.38**
8"	8.40-9.75	213.3-247.6	**FC2W-8**	4	7"	52.4	**513.71**	**660.04**
10"	10.75-12.12	273.0-307.8	**FC2W-10**	6	9"	76.1	**657.33**	**903.51**
12"	12.75-14.38	323.8-365.25	**FC2W-12**	6	9"	92.2	**775.67**	**1021.87**
16"	16.00-17.80	406.4-452.12	**FC2W-16**	8	10"	131.0	**1768.20**	**2091.11**

Epoxy coating and NBR (Buna-N) Gaskets are standard with FC2W couplings.
* **X** = Option for FC2W couplings with stainless steel nuts and bolts. Add "**-X**" to the catalog number. Example: FC2W-6-X

COMPONENT PARTS FOR STYLE FC2W "ULTRA-FLEX" WIDE RANGE COUPLINGS
ALL COMPONENTS ARE PRICED "EACH"

Nom. Pipe Size	Gasket Cat. No.	List Price	End Ring Cat. No.	List Price	Center Sleeve Cat. No.	List Price	Nuts and Bolts Cat. No.	List Price
3"	**FC2WG-3**	**$ 38.21**	**FC2W-ER-3**	**$ 36.66**	**FC2W-CS-3**	**$ 84.02**	**FBN-58-1125**	**$ 18.68**
4"	**FC2WG-4**	**41.93**	**FC2W-ER-4**	**40.00**	**FC2W-CS-4**	**86.01**	**FBN-58-1125**	**18.68**
6"	**FC2WG-6**	**63.43**	**FC2W-ER-6**	**61.01**	**FC2W-CS-6**	**126.92**	**FBN-58-1125**	**18.68**
8"	**FC2WG-8**	**74.21**	**FC2W-ER-8**	**69.56**	**FC2W-CS-8**	**161.92**	**FBN-58-1125**	**18.68**
10"	**FC2WG-10**	**80.98**	**FC2W-ER-10**	**71.03**	**FC2W-CS-10**	**198.56**	**FBN-58-135**	**24.09**
12"	**FC2WG-12**	**100.73**	**FC2W-ER-12**	**81.51**	**FC2W-CS-12**	**252.98**	**FBN-58-135**	**24.09**
16"	**FC2WG-16**	**228.58**	**FC2W-ER-16**	**263.12**	**FC2W-CS-16**	**690.80**	**FBN-58-155**	**28.54**



FORD "ULTRA-FLEX" WIDE RANGE COUPLINGS WITH **12" LONG** CENTER SLEEVES - STYLE **FC2W - L12** FOR HDPE PIPE

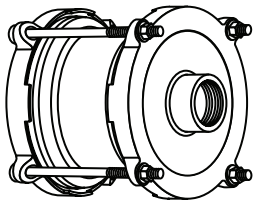
Nom. Pipe Size	Range (Inches)	Range (mm)	Catalog Number	Number of Bolts	Approx. Sleeve Length	Approx. Wt. Lbs.	List Price	
							Standard Cplg. Includes Epoxy	Stainless Steel Bolt Option *-X
3"	2.50-4.29	63.5-109.0	**FC2W-3-L12**	3	12"	35.9	**$ 380.73**	**$ 460.76**
4"	3.96-5.60	100.6-142.2	**FC2W-4-L12**	4	12"	44.7	**454.43**	**561.14**
6"	6.23-7.60	158.2-193.0	**FC2W-6-L12**	4	12"	56.1	**576.46**	**683.15**
8"	8.40-9.75	213.3-247.6	**FC2W-8-L12**	4	12"	70.6	**798.43**	**905.19**
10"	10.75-12.12	273.0-307.8	**FC2W-10-L12**	6	12"	89.6	**933.09**	**1093.14**
12"	12.75-14.38	323.8-365.25	**FC2W-12-L12**	6	12"	108.6	**1110.72**	**1270.78**

Epoxy coating and NBR (Buna-N) Gaskets are standard with FC2W couplings.
* **X** = Option for FC2W couplings with stainless steel nuts and bolts. Add "**-X**" to the catalog number. Example: FC2W-6-L12-X

COMPONENT PARTS FOR STYLE FC2W-L12 "ULTRA-FLEX" WIDE RANGE COUPLINGS
ALL COMPONENTS ARE PRICED "EACH"

Nom. Pipe Size	Gasket Cat. No.	List Price	End Ring Cat. No.	List Price	12" Center Sleeve Cat. No.	List Price	Nuts and Bolts Cat. No.	List Price
3"	**FC2WG-3**	**$ 38.21**	**FC2W-ER-3**	**$ 36.66**	**FC2W-CS-3-L12**	**$ 189.87**	**FBN-58-165**	**$ 29.94**
4"	**FC2WG-4**	**41.93**	**FC2W-ER-4**	**40.00**	**FC2W-CS-4-L12**	**202.82**	**FBN-58-165**	**29.94**
6"	**FC2WG-6**	**63.43**	**FC2W-ER-6**	**61.01**	**FC2W-CS-6-L12**	**238.12**	**FBN-58-165**	**29.94**
8"	**FC2WG-8**	**74.21**	**FC2W-ER-8**	**69.56**	**FC2W-CS-8-L12**	**422.23**	**FBN-58-165**	**29.94**
10"	**FC2WG-10**	**80.98**	**FC2W-ER-10**	**71.03**	**FC2W-CS-10-L12**	**494.04**	**FBN-58-165**	**29.94**
12"	**FC2WG-12**	**100.73**	**FC2W-ER-12**	**81.51**	**FC2W-CS-12-L12**	**612.90**	**FBN-58-165**	**29.94**

FORD END CAP FOR ULTRA-FLEX WIDE RANGE COUPLINGS FOR HDPE PIPE



Nom. Pipe Size	Pipe O.D. Range (Inches)	Catalog Number	Approx. Wt. Lbs.	List Price	End Cap Only	End Cap Wt. Lbs.	List Price
4"	3.96-5.60	**FC2W-4-EC**	42.6	**$ 465.62**	**FECW-4**	9	**$ 164.16**
6"	6.23-7.60	**FC2W-6-EC**	57.3	**607.49**	**FECW-6**	13	**180.50**
8"	8.40-9.75	**FC2W-8-EC**	74.6	**745.69**	**FECW-8**	23	**241.91**
10"	10.77-12.12	**FC2W-10-EC**	137.1	**1391.55**	**FECW-10**	62	**692.30**
12"	12.75-14.38	**FC2W-12-EC**	172.2	**1720.39**	**FECW-12**	80	**923.86**

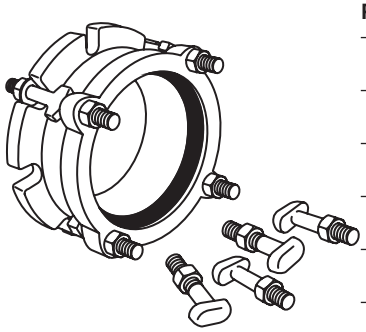
FORD ULTRA-FLEX LONG SLEEVE WIDE RANGE COUPLINGS FOR HDPE PIPE

STYLE **FC2W-EC** (12" long)

HDPE

Nom. Pipe Size	Pipe O.D. Range		Catalog Number	Approx. Wt. Lbs.	Sleeve Length	List Price	End Cap Only	End Cap Wt. Lbs.	List Price
	Inches	MM							
4"	3.96-5.60	100.6-142.2	**FC2W-4-L12-EC**	53.9	12"	**$ 608.97**	**FECW-4**	9	**$ 164.16**
6"	6.23-7.80	158.2-193.0	**FC2W-6-L12-EC**	68.8	12"	**756.95**	**FECW-6**	13	**180.50**
8"	8.40-9.75	213.3-247.6	**FC2W-8-L12-EC**	68.8	12"	**1040.37**	**FECW-8**	23	**241.91**
10"	10.75-12.12	273.0-307.8	**FC2W-10-L12-EC**	154.7	12"	**1625.40**	**FECW-10**	62	**692.30**
12"	12.75-14.38	323.8-365.25	**FC2W-12-L12-EC**	178	12"	**2054.00**	**FECW-12**	80	**923.86**

FORD IRON FLANGED COUPLING ADAPTERS
STYLE **FFCA** FOR HDPE PIPE



Nom. Pipe Size	Pipe O.D. Range (Inches)	End Ring Color Code	Catalog Number	Optional Anchor Studs	Approx. Wt. Lbs.	List Price
3"	3.45-3.60 3.70-3.88	Red Black	**FFCA-360** **FFCA-388**	2	17.0 17.0	**$ 301.65**
4"	4.45-4.60 4.70-4.91	Red Black	**FFCA-460** **FFCA-491**	2	21.3 21.2	**372.62**
6"	6.54-6.76 6.81-7.12	Red Black	**FFCA-676** **FFCA-712**	2	31.7 31.4	**476.49**
8"	8.50-8.75 8.76-9.17	Red Black	**FFCA-875** **FFCA-917**	4	43.2 42.6	**653.93**
10"	10.69-10.85 11.04-11.40	Red Black	**FFCA-1085** **FFCA-1140**	4	54.4 51.6	**1185.04**
12"	12.72-12.84 13.14-13.56	Red Black	**FFCA-1284** **FFCA-1356**	4	63 63	**1313.67**

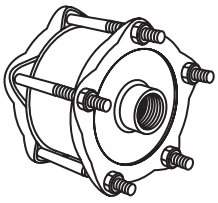
Larger, fabricated steel flanged coupling adapters are available.
Contact factory for additional information.

Note: Optional anchor studs are available at $73.17 for each stud. For two studs add “-AS2” to the catalog number; for four studs add “-AS4” to the catalog number. This coupling is furnished with tee-head bolts and a built-in O-ring gasket.

End rings and gaskets for FFCA’s are not interchangeable with the balance of the Ford coupling system.

HDPE

FORD END CAP COUPLINGS
STYLE **FEC** FOR HDPE PIPE

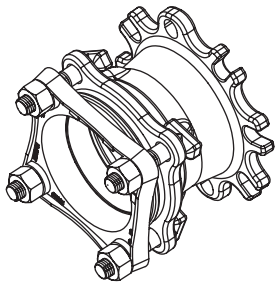


Nom. Pipe Size	Pipe O.D. Range (Inches)	Catalog Number	Approx. Wt. Lbs.	List Price	End Cap Only (includes gasket)		List Price
					FC1 Coupling	FC2A Coupling	
4"	4.50	**FEC-450**	20.4	**$ 368.32**	**FEC1-4**	**FEC2-4**	**$ 212.59**
	4.80-5.14	**FEC-514**					
	5.15-5.57	**FEC-557**					
6"	6.63	**FEC-663**	30.8	**467.54**	**FEC1-6**	**FEC2-6**	**239.28**
	6.90-7.20	**FEC-720**					
8"	8.63	**FEC-863**	39.1	**565.33**	**FEC1-8**	**FEC2-8**	**271.04**
	9.05-9.40	**FEC-940**					
10"	11.10-11.40	**FEC-1140**	61.3	**804.69**	**FEC1-10**	**FEC2-10**	**351.48**
12"	13.20-13.50	**FEC-1350**	83.3	**967.54**	**FEC1-12**	**FEC2-12**	**401.88**

Caution: Customer is advised to provide proper thrust resistance to prevent movement on pipe.

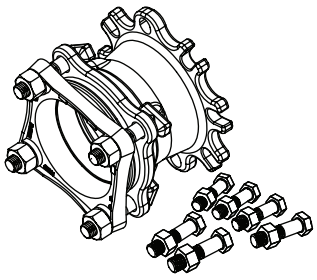
Note: 2" male iron pipe plugs are not included. Additional end caps which are not listed above are available upon request. Please specify coupling catalog number on which the end cap will be installed.

SERIES MJFA FLANGE ADAPTER FOR HDPE PIPE



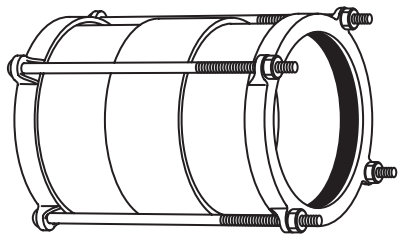
Nom. Pipe Size	Pipe O.D. Range (Inches)	Catalog Number	T-Bolts / Nuts		Approx. Wt. Lbs.	List Price
			Qty.	Size		
4"	4.21-4.80	**MJFA-4-I**	4	3/4" x 4"	20.4	**$ 217.36**
6"	6.27-6.90	**MJFA-6-I**	6	3/4" x 4"	33.8	**321.61**
8"	8.40-9.05	**MJFA-8-I**	6	3/4" x 4-1/2"	43.6	**479.20**
10"	10.50-11.10	**MJFA-10-I**	8	3/4" x 4-1/2"	55.9	**691.29**
12"	12.50-13.20	**MJFA-12-I**	8	3/4" x 4-1/2"	74.1	**868.40**

SERIES MJFA FLANGE ADAPTER WITH FLANGE BOLTS FOR HDPE PIPE



Nom. Pipe Size	Pipe O.D. Range (Inches)	Catalog Number	T-Bolts / Nuts		Flange Bolts / Nuts		Approx. Wt. Lbs.	List Price
			Qty.	Size	Qty.	Size		
4"	4.21-4.80	**MJFA-4A-I**	4	3/4" x 4"	8	5/8" x 2-1/2"	23.9	**$ 236.81**
6"	6.27-6.90	**MJFA-6A-I**	6	3/4" x 4"	8	3/4" x 2-3/4"	39.3	**365.20**
8"	8.40-9.05	**MJFA-8A-I**	6	3/4" x 4-1/2"	8	3/4" x 2-3/4"	45.9	**519.50**
10"	10.50-11.10	**MJFA-10A-I**	8	3/4" x 4-1/2"	12	7/8" x 3"	61.3	**761.34**
12"	12.50-13.20	**MJFA-12A-I**	8	3/4" x 4-1/2"	12	7/8" x 3-1/2"	74.1	**940.70**

FORD CUT-IN COUPLINGS
STYLE **FRR** (15" long) FOR HDPE PIPE

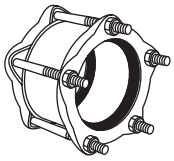


Nom. Pipe Size	Pipe O.D. Range (Inches)	Catalog Number	Approx. Wt. Lbs.	List Price
4"	4.80-5.14	**FRR-514**	38.4	**$ 667.38**
	5.15-5.57	**FRR-557**	37.7	**667.38**
6"	6.90-7.20	**FRR-720**	56.6	**845.94**
8"	9.05-9.40	**FRR-940**	76.3	**979.10**
10"	11.10-11.40	**FRR-1140**	114.4	**1414.23**
12"	13.20-13.50	**FRR-1350**	148.6	**1842.89**
14"	13.69-14.04	**FRR-1404**	135	**1871.43**

FORD STEEL TRANSITION COUPLING FOR HDPE PIPE
(4" through 24")
STYLE **FC23** - FABRICATED STEEL CENTER SLEEVE WITH DUCTILE IRON END RINGS

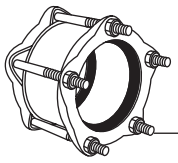
How to order FC23 couplings: Locate the gasket range that accommodates your pipe O.D. for both coupling ends. Select the desired center sleeve length and use the corresponding catalog number.

* For stainless steel bolts and epoxy coating options, substitute the “X” or “Y” code for the standard catalog number “R” code. Example: FC23-400-450-05**Y** has epoxy coating and stainless steel bolts.



							List Price		
								*Optional Feature Codes	
Nom. Pipe Size	1st End Gasket Range	2nd End Gasket Range	Length of Ctr. Sleeve	Standard Catalog Number	No. of Bolts	Apprx. Wt. Lbs.	Std. Cplg.	Stainless Steel Bolts	Epoxy Coat and S.S. Bolts
								X	Y
4" & 5"	4.00	4.50	5	**FC23-400-450-05R**	3	18.5	**$ 250.87**	**$ 317.90**	**$ 399.17**
	4.00	4.50	7	**FC23-400-450-07R**	3	22.9	**296.64**	**390.81**	**496.00**
	4.00	4.50	10	**FC23-400-450-10R**	3	29.7	**355.49**	**461.07**	**594.98**
	4.00	4.80-5.14	5	**FC23-400-514-05R**	3	18.3	**250.87**	**317.90**	**399.17**
	4.00	4.80-5.14	7	**FC23-400-514-07R**	3	22.3	**296.64**	**390.81**	**496.00**
	4.00	4.80-5.14	10	**FC23-400-514-10R**	3	29.3	**355.49**	**461.07**	**594.98**
	4.00	5.15-5.57	5	**FC23-400-557-05R**	3	17.8	**250.87**	**317.90**	**399.17**
	4.00	5.15-5.57	7	**FC23-400-557-07R**	3	22.2	**296.64**	**390.81**	**496.00**
	4.00	5.15-5.57	10	**FC23-400-557-10R**	3	29.0	**355.49**	**461.07**	**594.98**
	4.50	4.50	5	**FC23-450-450-05R**	3	18.3	**250.87**	**317.90**	**399.17**
	4.50	4.50	7	**FC23-450-450-07R**	3	22.7	**296.64**	**390.81**	**496.00**
	4.50	4.50	10	**FC23-450-450-10R**	3	29.5	**355.49**	**461.07**	**594.98**
	4.50	4.80-5.14	5	**FC23-450-514-05R**	3	18.0	**250.87**	**317.90**	**399.17**
	4.50	4.80-5.14	7	**FC23-450-514-07R**	3	22.4	**296.64**	**390.81**	**496.00**
	4.50	4.80-5.14	10	**FC23-450-514-10R**	3	29.2	**355.49**	**461.07**	**594.98**
	4.50	5.15-5.57	5	**FC23-450-557-05R**	3	17.6	**250.87**	**317.90**	**399.17**
	4.50	5.15-5.57	7	**FC23-450-557-07R**	3	22	**296.64**	**390.81**	**496.00**
	4.50	5.15-5.57	10	**FC23-450-557-10R**	3	28.8	**355.49**	**461.07**	**594.98**
	4.80-5.14	4.80-5.14	5	**FC23-514-514-05R**	3	17.7	**250.87**	**317.90**	**399.17**
	4.80-5.14	4.80-5.14	7	**FC23-514-514-07R**	3	22	**296.64**	**390.81**	**496.00**
	4.80-5.14	4.80-5.14	10	**FC23-514-514-10R**	3	28.8	**355.49**	**461.07**	**594.98**
	4.80-5.14	5.15-5.57	5	**FC23-514-557-05R**	3	17.3	**250.87**	**317.90**	**399.17**
	4.80-5.14	5.15-5.57	7	**FC23-514-557-07R**	3	21.7	**296.64**	**390.81**	**496.00**
	4.80-5.14	5.15-5.57	10	**FC23-514-557-10R**	3	28.5	**355.49**	**461.07**	**594.98**
	5.15-5.57	5.15-5.57	5	**FC23-557-557-05R**	3	17	**250.87**	**317.90**	**399.17**
	5.15-5.57	5.15-5.57	7	**FC23-557-557-07R**	3	21.4	**296.64**	**390.81**	**496.00**
	5.15-5.57	5.15-5.57	10	**FC23-557-557-10R**	3	28.2	**355.49**	**461.07**	**594.98**
6"	6.00	6.63	5	**FC23-600-663-05R**	4	19	**356.16**	**445.58**	**536.48**
	6.00	6.63	7	**FC23-600-663-07R**	4	30.7	**424.04**	**549.55**	**664.31**
	6.00	6.63	10	**FC23-600-663-10R**	4	40.1	**521.25**	**662.06**	**800.76**
	6.00	6.90-7.20	5	**FC23-600-720-05R**	4	24.4	**356.16**	**445.58**	**536.48**
	6.00	6.90-7.20	7	**FC23-600-720-07R**	4	24	**424.04**	**549.55**	**664.31**
	6.00	6.90-7.20	10	**FC23-600-720-10R**	4	39.2	**521.25**	**662.06**	**800.76**
	6.63	6.63	5	**FC23-663-663-05R**	4	24.6	**356.16**	**445.58**	**536.48**
	6.63	6.63	7	**FC23-663-663-07R**	4	30.4	**424.04**	**549.55**	**664.31**
	6.63	6.63	10	**FC23-663-663-10R**	4	39.4	**521.25**	**662.06**	**800.76**
	6.63	6.90-7.20	5	**FC23-663-720-05R**	4	24.2	**356.16**	**445.58**	**536.48**
	6.63	6.90-7.20	7	**FC23-663-720-07R**	4	29.9	**424.04**	**549.55**	**664.31**
	6.63	6.90-7.20	10	**FC23-663-720-10R**	4	38.9	**521.25**	**662.06**	**800.76**
	6.63	7.21-7.56	5	**FC23-663-756-05R**	4	23.7	**356.16**	**445.58**	**536.48**
	6.63	7.21-7.56	7	**FC23-663-756-07R**	4	29.5	**424.04**	**549.55**	**664.31**
	6.63	7.21-7.56	10	**FC23-663-756-10R**	4	38.5	**521.25**	**662.06**	**800.76**
	6.90-7.20	6.90-7.20	5	**FC23-720-720-05R**	4	23.5	**356.16**	**445.58**	**536.48**
	6.90-7.20	6.90-7.20	7	**FC23-720-720-07R**	4	29.3	**424.04**	**549.55**	**664.31**
	6.90-7.20	6.90-7.20	10	**FC23-720-720-10R**	4	38.3	**521.25**	**662.06**	**800.76**
	6.90-7.20	7.21-7.56	5	**FC23-720-756-05R**	4	23.1	**356.16**	**445.58**	**536.48**
	6.90-7.20	7.21-7.56	7	**FC23-720-756-07R**	4	28.9	**424.04**	**549.55**	**664.31**
	6.90-7.20	7.21-7.56	10	**FC23-720-756-10R**	4	37.9	**521.25**	**662.06**	**800.76**

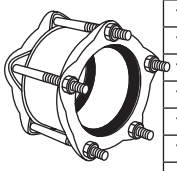
FORD STEEL TRANSITION COUPLING FOR HDPE PIPE
(4" through 24") CONTINUED
STYLE **FC23** - FABRICATED STEEL CENTER SLEEVE WITH DUCTILE IRON END RINGS



Nom. Pipe Size	1st End Gskt. Rnge.	2nd End Gskt. Rnge.	Length of Ctr. Sleeve	Standard Catalog Number	No. of Bolts	Apprx. Wt. Lbs.	List Price		
							Std. Cplg.	*Optional Feature Codes	
								Stainless Steel Bolts	Epoxy Coat and S.S. Bolts
								X	Y
8"	8.00	8.63	5	**FC23-800-863-05R**	5	26	**$ 368.33**	**$ 480.05**	**$ 604.48**
	8.00	8.63	7	**FC23-800-863-07R**	5	34.3	**421.66**	**578.57**	**731.60**
	8.00	8.63	10	**FC23-800-863-10R**	5	39	**469.49**	**645.53**	**832.02**
	8.00	9.05-9.40	5	**FC23-800-940-05R**	5	26	**368.33**	**480.05**	**604.48**
	8.00	9.05-9.40	7	**FC23-800-940-07R**	5	33.3	**421.66**	**578.57**	**731.60**
	8.00	9.05-9.40	10	**FC23-800-940-10R**	5	41.7	**469.49**	**645.53**	**832.02**
	8.63	8.63	5	**FC23-863-863-05R**	5	28.3	**368.33**	**480.05**	**604.48**
	8.63	8.63	7	**FC23-863-863-07R**	5	33.9	**421.66**	**578.57**	**731.60**
	8.63	8.63	10	**FC23-863-863-10R**	5	42.3	**469.49**	**645.53**	**832.02**
	8.63	9.05-9.40	5	**FC23-863-940-05R**	5	27.4	**368.33**	**480.05**	**604.48**
	8.63	9.05-9.40	7	**FC23-863-940-07R**	5	32.9	**421.66**	**578.57**	**731.60**
	8.63	9.05-9.40	10	**FC23-863-940-10R**	5	41.3	**469.49**	**645.53**	**832.02**
	8.63	9.40-9.74	5	**FC23-863-974-05R**	5	26.5	**368.33**	**480.05**	**604.48**
	8.63	9.40-9.74	7	**FC23-863-974-07R**	5	32.1	**421.66**	**578.57**	**731.60**
	8.63	9.40-9.74	10	**FC23-863-974-10R**	5	40.5	**469.49**	**645.53**	**832.02**
	9.05-9.40	9.05-9.40	5	**FC23-940-940-05R**	5	26.4	**368.33**	**480.05**	**604.48**
	9.05-9.40	9.05-9.40	7	**FC23-940-940-07R**	5	32	**421.66**	**578.57**	**731.60**
	9.05-9.40	9.05-9.40	10	**FC23-940-940-10R**	5	40.4	**469.49**	**645.53**	**832.02**
	9.05-9.40	9.40-9.74	5	**FC23-940-974-05R**	5	25.5	**368.33**	**480.05**	**604.48**
	9.05-9.40	9.40-9.74	7	**FC23-940-974-07R**	5	31.1	**421.66**	**578.57**	**731.60**
	9.05-9.40	9.40-9.74	10	**FC23-940-974-10R**	5	39.5	**469.49**	**645.53**	**832.02**
10"	10.75	10.75	5	**FC23-1075-1075-05R**	6	38.7	**424.45**	**558.55**	**716.32**
	10.75	10.75	7	**FC23-1075-1075-07R**	6	45.6	**488.42**	**676.77**	**868.07**
	10.75	10.75	10	**FC23-1075-1075-10R**	6	55.9	**545.14**	**756.28**	**990.63**
	10.75	11.10-11.40	5	**FC23-1075-1140-05R**	6	36.7	**424.45**	**558.55**	**716.32**
	10.75	11.10-11.40	7	**FC23-1075-1140-07R**	6	40	**488.42**	**676.77**	**868.07**
	10.75	11.10-11.40	10	**FC23-1075-1140-10R**	6	53.9	**545.14**	**756.28**	**990.63**
	10.75	11.42-11.77	5	**FC23-1075-1177-05R**	6	36.4	**424.45**	**558.55**	**716.32**
	10.75	11.42-11.77	7	**FC23-1075-1177-07R**	6	43.3	**488.42**	**676.77**	**868.07**
	10.75	11.42-11.77	10	**FC23-1075-1177-10R**	6	53.6	**545.14**	**756.28**	**990.63**
	10.75	11.77-12.12	5	**FC23-1075-1212-05R**	6	35.8	**424.45**	**558.55**	**716.32**
	10.75	11.77-12.12	7	**FC23-1075-1212-07R**	6	42.7	**488.42**	**676.77**	**868.07**
	10.75	11.77-12.12	10	**FC23-1075-1212-10R**	6	53.0	**545.14**	**756.28**	**990.63**
	11.10-11.40	11.10-11.40	5	**FC23-1140-1140-05R**	6	34.7	**424.45**	**558.55**	**716.32**
	11.10-11.40	11.10-11.40	7	**FC23-1140-1140-07R**	6	41.6	**488.42**	**676.77**	**868.07**
	11.10-11.40	11.10-11.40	10	**FC23-1140-1140-10R**	6	51.9	**545.14**	**756.28**	**990.63**
	11.10-11.40	11.42-11.77	5	**FC23-1140-1177-05R**	6	34.4	**424.45**	**558.55**	**716.32**
	11.10-11.40	11.42-11.77	7	**FC23-1140-1177-07R**	6	41.3	**488.42**	**676.77**	**868.07**
	11.10-11.40	11.42-11.77	10	**FC23-1140-1177-10R**	6	51.6	**545.14**	**756.28**	**990.63**
	11.10-11.40	11.77-12.12	5	**FC23-1140-1212-05R**	6	33.7	**424.45**	**558.55**	**716.32**
	11.10-11.40	11.77-12.12	7	**FC23-1140-1212-07R**	6	40.6	**488.42**	**676.77**	**868.07**
	11.10-11.40	11.77-12.12	10	**FC23-1140-1212-10R**	6	51.0	**545.14**	**756.28**	**990.63**

Additional sizes on following page.

FORD STEEL TRANSITION COUPLING FOR HDPE PIPE
(4" through 24") CONTINUED
STYLE **FC23** - FABRICATED STEEL CENTER SLEEVE WITH DUCTILE IRON END RINGS

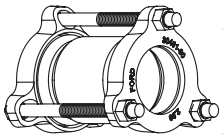


Nom. Pipe Size	1st End Gskt. Rnge.	2nd End Gskt. Rnge.	Length of Ctr. Sleeve	Standard Catalog Number	No of Bolts	Approx. Wt. Lbs.	List Price Std. Cplg.	List Price *Optional Feature Codes Stainless Steel Bolts X	List Price *Optional Feature Codes Epoxy Coat and S.S. Bolts Y
12"	12.75	12.75	5	**FC23-1275-1275-05R**	7	46.3	**$ 466.69**	**$ 623.11**	**$ 821.93**
	12.75	12.75	7	**FC23-1275-1275-07R**	7	54.1	**544.41**	**764.09**	**1010.03**
	12.75	12.75	10	**FC23-1275-1275-10R**	7	66.3	**609.12**	**855.45**	**1147.18**
	12.75	13.20-13.50	5	**FC23-1275-1350-05R**	7	45.3	**466.69**	**623.11**	**821.93**
	12.75	13.20-13.50	7	**FC23-1275-1350-07R**	7	53.5	**544.41**	**764.09**	**1010.03**
	12.75	13.20-13.50	10	**FC23-1275-1350-10R**	7	65.7	**609.12**	**855.45**	**1147.18**
	12.75	13.69-14.04	5	**FC23-1275-1404-05R**	7	43.1	**466.69**	**623.11**	**821.93**
	12.75	13.69-14.04	7	**FC23-1275-1404-07R**	7	51.3	**544.41**	**764.09**	**1010.03**
	12.75	13.69-14.04	10	**FC23-1275-1404-10R**	7	63.5	**609.12**	**855.45**	**1147.18**
	12.75	14.03-14.38	5	**FC23-1275-1438-05R**	7	42.7	**466.69**	**623.11**	**821.93**
	12.75	14.03-14.38	7	**FC23-1275-1438-07R**	7	50.8	**544.41**	**764.09**	**1010.03**
	12.75	14.03-14.38	10	**FC23-1275-1438-10R**	7	63.0	**609.12**	**855.45**	**1147.18**
	13.20-13.50	13.20-13.50	5	**FC23-1350-1350-05R**	7	45.0	**466.69**	**623.11**	**821.93**
	13.20-13.50	13.20-13.50	7	**FC23-1350-1350-07R**	7	52.8	**544.41**	**764.09**	**1010.03**
	13.20-13.50	13.20-13.50	10	**FC23-1350-1350-10R**	7	65.0	**609.12**	**855.45**	**1147.18**
	13.20-13.50	13.69-14.04	5	**FC23-1350-1404-05R**	7	42.5	**466.69**	**623.11**	**821.93**
	13.20-13.50	13.69-14.04	7	**FC23-1350-1404-07R**	7	50.6	**544.41**	**764.09**	**1010.03**
	13.20-13.50	13.69-14.04	10	**FC23-1350-1404-10R**	7	62.8	**609.12**	**855.45**	**1147.18**
	13.20-13.50	14.03-14.38	5	**FC23-1350-1438-05R**	7	42.0	**466.69**	**623.11**	**821.93**
	13.20-13.50	14.03-14.38	7	**FC23-1350-1438-07R**	7	50.2	**544.41**	**764.09**	**1010.03**
	13.20-13.50	14.03-14.38	10	**FC23-1350-1438-10R**	7	62.4	**609.12**	**855.45**	**1147.18**
	13.69-14.04	13.69-14.04	5	**FC23-1404-1404-05R**	7	40.3	**466.69**	**623.11**	**821.93**
	13.69-14.04	13.69-14.04	7	**FC23-1404-1404-07R**	7	56.0	**544.41**	**764.09**	**1010.03**
	13.69-14.04	13.69-14.04	10	**FC23-1404-1404-10R**	7	60.6	**609.12**	**855.45**	**1147.18**
	13.69-14.04	14.03-14.38	5	**FC23-1404-1438-05R**	7	39.8	**466.69**	**623.11**	**821.93**
	13.69-14.04	14.03-14.38	7	**FC23-1404-1438-07R**	7	48.0	**544.41**	**764.09**	**1010.03**
	13.69-14.04	14.03-14.38	10	**FC23-1404-1438-10R**	7	60.2	**609.12**	**855.45**	**1147.18**
14" & 16"	15.30-15.70	15.30-15.70	5	**FC23-1570-1570-05R**	9	62.6	**1053.55**	**1254.63**	**1546.20**
	15.30-15.70	15.30-15.70	7	**FC23-1570-1570-07R**	9	71.9	**1141.30**	**1423.72**	**1749.56**
	15.30-15.70	15.30-15.70	10	**FC23-1570-1570-10R**	9	86.6	**1230.00**	**1538.50**	**1930.15**
	15.30-15.70	16.00-16.35	5	**FC23-1570-1635-05R**	9	58.0	**1053.55**	**1254.63**	**1546.20**
	15.30-15.70	16.00-16.35	7	**FC23-1570-1635-07R**	9	70.1	**1141.30**	**1423.72**	**1749.56**
	15.30-15.70	16.00-16.35	10	**FC23-1570-1635-10R**	9	84.8	**1230.00**	**1538.50**	**1930.15**
	15.30-15.70	16.40-16.88	5	**FC23-1570-1688-05R**	9	59.9	**1053.55**	**1254.63**	**1546.20**
	15.30-15.70	16.40-16.88	7	**FC23-1570-1688-07R**	9	70.0	**1141.30**	**1423.72**	**1749.56**
	15.30-15.70	16.40-16.88	10	**FC23-1570-1688-10R**	9	84.4	**1230.00**	**1538.50**	**1930.15**
	16.00-16.35	16.00-16.35	5	**FC23-1635-1635-05R**	9	55.0	**1053.55**	**1254.63**	**1546.20**
	16.00-16.35	16.00-16.35	7	**FC23-1635-1635-07R**	9	66.0	**1141.30**	**1423.72**	**1749.56**
	16.00-16.35	16.00-16.35	10	**FC23-1635-1635-10R**	9	80.0	**1230.00**	**1538.50**	**1930.15**
	16.00-16.35	16.40-16.88	5	**FC23-1635-1688-05R**	9	58.5	**1053.55**	**1254.63**	**1546.20**
	16.00-16.35	16.40-16.88	7	**FC23-1635-1688-07R**	9	67.0	**1141.30**	**1423.72**	**1749.56**
	16.00-16.35	16.40-16.88	10	**FC23-1635-1688-10R**	9	80.0	**1230.00**	**1538.50**	**1930.15**
16" & 18"	17.40-17.80	17.40-17.80	5	**FC23-1780-1780-05R**	10	81.5	**1367.50**	**1590.90**	**1937.55**
	17.40-17.80	17.40-17.80	7	**FC23-1780-1780-07R**	10	92.1	**1465.00**	**1778.84**	**2184.56**
	17.40-17.80	17.40-17.80	10	**FC23-1780-1780-10R**	10	108.6	**1550.01**	**1892.75**	**2364.29**
	17.40-17.80	18.45-18.97	5	**FC23-1780-1897-05R**	10	71.0	**1367.50**	**1590.90**	**1937.55**
	17.40-17.80	18.45-18.97	7	**FC23-1780-1897-07R**	10	90.6	**1465.00**	**1778.84**	**2184.56**
	17.40-17.80	18.45-18.97	10	**FC23-1780-1897-10R**	10	105.2	**1550.01**	**1892.75**	**2364.29**
	17.40-17.80	18.90-19.20	5	**FC23-1780-1920-05R**	10	73.0	**1367.50**	**1590.90**	**1937.55**
	17.40-17.80	18.90-19.20	7	**FC23-1780-1920-07R**	10	88.1	**1465.00**	**1778.84**	**2184.56**
	17.40-17.80	18.90-19.20	10	**FC23-1780-1920-10R**	10	104.6	**1550.01**	**1892.75**	**2364.29**
	19.50-20.00	19.50-20.00	7	**FC23-2000-2000-07R**	11	88.9	**1543.53**	**1888.77**	**2302.54**
	19.50-20.00	19.50-20.00	10	**FC23-2000-2000-10R**	11	106.1	**1632.53**	**2019.54**	**2503.85**
20"	21.60-22.06	21.60-22.06	7	**FC23-2206-2206-07R**	12	99.6	**1694.97**	**2071.61**	**2537.09**
	21.60-22.06	21.60-22.06	10	**FC23-2206-2206-10R**	12	118.6	**1791.93**	**2214.11**	**2773.69**
24"	25.80-26.32	25.80-26.32	7	**FC23-2632-2632-07R**	14	116.7	**2307.29**	**2746.61**	**3536.52**
	25.80-26.32	25.80-26.32	10	**FC23-2632-2632-10R**	14	140.7	**2441.32**	**2933.90**	**3803.71**

See FC4, FC5, and FC6 for larger couplings.

FORD STANDARD STEEL COUPLINGS FOR HDPE PIPE

STYLE **FC3** - (1/2" through 12")



Nom. Pipe Size	Pipe O.D. (Inches)	Sleeve Thickness and Length	Catalog Number	Number of Bolts	Bolt Dia. and Length	Approx. Wt. Lbs.	List Price
1/2"	.84	.120" x 5"	**FC3-084-5**	2	1/2" x 7"	2.3	**$ 69.81**
		.120" x 7"	**FC3-084-7**	2	1/2" x 9"	2.9	**80.91**
3/4"	1.05	.120" x 5"	**FC3-105-5**	2	1/2" x 7"	2.4	**76.24**
		.120" x 7"	**FC3-105-7**	2	1/2" x 9"	3.1	**80.45**
		.120" x 12"	**FC3-105-12**	2	1/2" x 14"	4.5	**140.90**
1"	1.32	.120" x 5"	**FC3-132-5**	2	1/2" x 7"	2.9	**83.06**
		.120" x 7"	**FC3-132-7**	2	1/2" x 9"	3.4	**101.34**
		.120" x 12"	**FC3-132-12**	2	1/2" x 14"	5.0	**139.77**
1-1/4"	1.66	.134" x 5"	**FC3-166-5**	2	1/2" x 7"	3.3	**83.55**
		.134" x 7"	**FC3-166-7**	2	1/2" x 9"	3.9	**107.79**
		.134" x 12"	**FC3-166-12**	2	1/2" x 14"	5.6	**157.51**
1-1/2"	1.90	.134" x 5"	**FC3-190-5**	2	1/2" x 7"	3.4	**96.89**
		.134" x 7"	**FC3-190-7**	2	1/2" x 9"	4.1	**107.79**
		.134" x 12"	**FC3-190-12**	2	1/2" x 14"	6.6	**167.65**
2"	2.38	.156" x 5"	**FC3-238-5**	2	5/8" x 8"	5.2	**125.80**
		.156" x 5"	* **FC3-238-5-H**	3	5/8" x 8"	5.2	**133.25**
		.156" x 7"	**FC3-238-7**	2	5/8" x 11"	6.1	**143.04**
		.156" x 7"	* **FC3-238-7-H**	3	5/8" x 11"	6.1	**154.60**
		.156" x 12"	**FC3-238-12**	2	5/8" x 15"	8.3	**195.87**
		.156" x 12"	* **FC3-238-12-H**	3	5/8" x 15"	8.3	**207.72**
2-1/2"	2.88	.156" x 5"	**FC3-288-5**	3	5/8" x 9"	9.0	**171.39**
		.156" x 7"	**FC3-288-7**	3	5/8" x 11"	11.3	**190.48**
		.156" x 12"	**FC3-288-12**	3	5/8" x 15"	17.0	**267.33**
		.156" x 24"	**FC3-288-24**	3	5/8" x 27"	28.0	**343.13**
3"	3.50	.203" x 5"	**FC3-350-5**	4	5/8" x 9"	11.0	**187.56**
		.203" x 7"	**FC3-350-7**	4	5/8" x 11"	12.0	**205.09**
		.203" x 12"	**FC3-350-12**	4	5/8" x 15"	19.0	**284.34**
		.203" x 24"	**FC3-350-24**	4	5/8" x 27"	27.0	**430.59**
4"	4.50	.203" x 5"	**FC3-450-5**	4	5/8" x 9"	15.0	**219.26**
		.203" x 7"	**FC3-450-7**	4	5/8" x 11"	18.0	**237.85**
		.203" x 12"	**FC3-450-12**	4	5/8" x 15"	23.0	**356.61**
		.203" x 16	**FC3-450-16**	4	5/8" x 19"	27.4	**471.33**
		.203" x 24"	**FC3-450-24**	4	5/8" x 27"	37.0	**663.69**
	4.80	.203" x 5"	**FC3-480-5**	4	5/8" x 9"	38.3	**260.97**
		.203" x 7"	**FC3-480-7**	4	5/8" x 11"	38.9	**395.01**
		.203" x 12"	**FC3-480-12**	4	5/8" x 15"	40.5	**450.37**
6"	6.63	.250" x 5"	**FC3-663-5**	6	5/8" x 9"	24.2	**327.19**
		.250" x 7"	**FC3-663-7**	6	5/8" x 11"	27.0	**364.96**
		.250" x 12"	**FC3-663-12**	6	5/8" x 15"	39.0	**582.20**
		.250" x 16	**FC3-663-16**	6	5/8" x 19"	48.0	**699.96**
		.250" x 24"	**FC3-663-24**	6	5/8" x 27"	65.0	**891.28**
	6.90	.250" x 5"	**FC3-690-5**	6	5/8" x 8"	30.0	**455.71**
		.250" x 16	**FC3-690-16**	6	5/8" x 19"	48.0	**898.20**
8"	8.63	.250" x 5"	**FC3-863-5**	6	5/8" x 8"	32.0	**456.20**
		.250" x 7"	**FC3-863-7**	6	5/8" x 11"	37.0	**500.73**
		.250" x 12"	**FC3-863-12**	6	5/8" x 15"	49.0	**661.79**
		.250" x 16	**FC3-863-16**	6	5/8" x 19"	61.0	**825.29**
		.250" x 24"	**FC3-863-24**	6	5/8" x 27"	72.0	**1299.94**
12"	12.75	.250" x 5"	**FC3-1275-5**	8	5/8" x 9"	53.5	**675.19**
		.250" x 7"	**FC3-1275-7**	8	5/8" x 11"	53.0	**709.31**
		.250" x 16	**FC3-1275-16**	8	5/8" x 19"	87.0	**1219.44**

* Three-bolt style

See FC23 or FC4 for larger sizes.

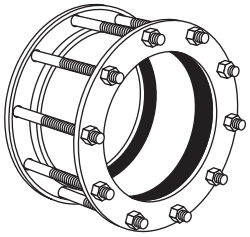
FORD STANDARD STEEL COUPLINGS FOR HDPE PIPE

STYLE **FC4** - (14" through 60")

Listed are common sizes of FC4 couplings. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact Ford Customer Service for pricing.

***** For stainless steel bolts and epoxy coating options, substitute the "X" or "Y" code for the standard catalog number "R" code.

Example: FC4-1400-A05**Y** has epoxy coating and stainless steel bolts.

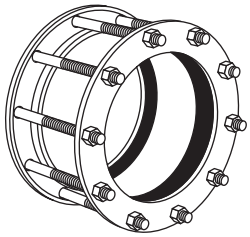


Nom. Pipe Size	Pipe O.D. (Inches)	Sleeve Thickness and Length	Standard Catalog Number	Rated Working Pressure	Number of Bolts	Approx. Wt. Lbs.	List Price		
							Standard Coupling	*Optional Feature Codes	
								Stainless Steel Bolts	Epoxy Coat and S.S. Bolts
								X	Y
14"	14.00	1/4" x 5"	**FC4-1400-A05R**	472	9	66.2	**$ 782.10**	**$ 864.90**	**$ 1127.92**
	14.00	1/4" x 7"	**FC4-1400-A07R**	472	9	74.2	**818.34**	**997.03**	**1355.72**
	14.00	1/4" x 10"	**FC4-1400-A10R**	472	9	86.7	**1112.37**	**1429.12**	**1835.60**
	15.30	1/4" x 5"	**FC4-1530-A05R**	434	9	72.5	**804.59**	**991.84**	**1278.78**
	15.30	1/4" x 7"	**FC4-1530-A07R**	434	9	81.1	**872.93**	**1155.44**	**1538.03**
	15.30	3/8" x 7"	**FC4-1530-B07R**	592	9	94.9	**994.50**	**1293.55**	**1733.46**
	15.30	1/4" x 10"	**FC4-1530-A10R**	434	9	94.7	**1177.99**	**1494.76**	**1921.88**
	15.30	3/8" x 10"	**FC4-1530-B10R**	592	9	114.3	**1234.00**	**1550.72**	**2071.95**
16"	16.00	1/4" x 5"	**FC4-1600-A05R**	416	10	75.3	**826.89**	**1034.94**	**1331.48**
	16.00	1/4" x 7"	**FC4-1600-A07R**	416	10	84.3	**872.93**	**1186.82**	**1583.78**
	16.00	1/4" x 10"	**FC4-1600-A10R**	416	10	98.5	**1219.96**	**1516.76**	**1975.87**
	17.40	1/4" x 5"	**FC4-1740-A05R**	385	10	82.3	**838.63**	**1046.64**	**1371.81**
	17.40	1/4" x 7"	**FC4-1740-A07R**	385	10	92.0	**909.84**	**1223.69**	**1649.32**
	17.40	3/8" x 7"	**FC4-1740-B07R**	567	10	107.6	**1101.36**	**1415.26**	**1907.83**
	17.40	1/4" x 10"	**FC4-1740-A10R**	385	10	107.4	**1259.49**	**1611.37**	**2099.16**
	17.40	3/8" x 10"	**FC4-1740-B10R**	567	10	129.6	**1377.60**	**1729.51**	**2312.93**
18"	18.00	1/4" x 5"	**FC4-1800-A05R**	373	11	84.3	**876.74**	**1072.96**	**1402.20**
	18.00	1/4" x 7"	**FC4-1800-A07R**	373	11	94.3	**909.84**	**1223.69**	**1673.24**
	18.00	1/4" x 10"	**FC4-1800-A10R**	373	11	110.2	**1299.53**	**1686.60**	**1981.51**
	19.50	1/4" x 5"	**FC4-1950-A05R**	345	11	90.4	**1021.81**	**1250.70**	**1609.36**
	19.50	1/4" x 7"	**FC4-1950-A07R**	345	11	101.2	**1108.62**	**1453.94**	**1927.38**
	19.50	3/8" x 7"	**FC4-1950-B07R**	512	11	118.4	**1211.79**	**1557.06**	**2107.02**
	19.50	1/4" x 10"	**FC4-1950-A10R**	345	11	118.1	**1361.74**	**1748.85**	**2294.03**
	19.50	3/8" x 10"	**FC4-1950-B10R**	512	11	142.7	**1513.80**	**1900.95**	**2551.32**
20"	20.00	1/4" x 7"	**FC4-2000-A07R**	337	12	104.3	**1121.97**	**1485.31**	**1968.33**
	20.00	1/4" x 10"	**FC4-2000-A10R**	337	12	121.8	**1401.82**	**1824.12**	**2378.86**
	21.60	1/4" x 7"	**FC4-2160-A07R**	313	12	113.0	**1189.78**	**1566.41**	**2078.10**
	21.60	3/8" x 7"	**FC4-2160-B07R**	463	12	132.1	**1631.73**	**2008.42**	**2606.16**
	21.60	1/4" x 10"	**FC4-2160-A10R**	313	12	131.8	**1435.76**	**1858.06**	**2451.00**
	21.60	3/8" x 10"	**FC4-2160-B10R**	463	12	159.0	**2040.53**	**2462.86**	**3170.62**
24"	24.00	1/4" x 7"	**FC4-2400-A07R**	283	14	124.4	**1385.01**	**1824.44**	**2393.56**
	24.00	1/4" x 10"	**FC4-2400-A10R**	283	14	145.3	**1562.97**	**2055.64**	**2710.83**
	25.80	1/4" x 7"	**FC4-2580-A07R**	264	14	132.7	**1444.34**	**1883.77**	**2491.13**
	25.80	3/8" x 7"	**FC4-2580-B07R**	392	14	155.3	**1889.58**	**2329.00**	**3036.78**
	25.80	1/4" x 10"	**FC4-2580-A10R**	264	14	154.9	**1597.17**	**2089.84**	**2788.04**
	25.80	3/8" x 10"	**FC4-2580-B10R**	392	14	187.0	**2364.72**	**2857.40**	**3624.61**

Note: For smaller sized couplings see FC23 couplings listed on pages 21 through 23 and FC3 couplings listed on page 24.

FORD STANDARD STEEL COUPLINGS FOR HDPE PIPE

STYLE **FC4** - (14" through 60") **CONTINUED**

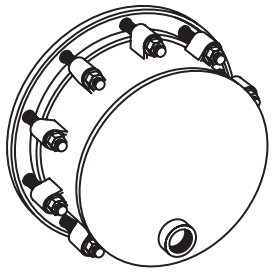


Nom. Pipe Size	Pipe O.D. (Inches)	Sleeve Thickness and Length	Standard Catalog Number	Rated Working Pressure	Number of Bolts	Approx. Wt. Lbs.	List Price		
							Standard Coupling	*Optional Feature Codes	
								Stainless Steel Bolts	Epoxy Coat and S.S. Bolts
								X	Y
30"	30.00	1/4" x 7"	**FC4-3000-A07R**	246	16	153.8	**$ 1617.85**	**$ 2120.08**	**$ 2765.65**
	30.00	3/8" x 7"	**FC4-3000-B07R**	361	16	179.9	**1899.76**	**2402.00**	**3162.36**
	30.00	1/4" x 10"	**FC4-3000-A10R**	246	16	179.4	**1806.32**	**2369.41**	**3120.23**
	30.00	3/8" x 10"	**FC4-3000-B10R**	361	16	216.6	**2371.58**	**2934.66**	**3838.45**
	32.00	1/4" x 7"	**FC4-3200-A07R**	230	16	163.4	**1673.49**	**2175.69**	**2859.56**
	32.00	3/8" x 7"	**FC4-3200-B07R**	343	16	191.5	**1903.21**	**2405.42**	**3199.26**
	32.00	1/4" x 10"	**FC4-3200-A10R**	230	16	190.7	**1868.70**	**2431.76**	**3225.63**
	32.00	3/8" x 10"	**FC4-3200-B10R**	343	16	230.8	**2374.95**	**2938.00**	**3899.21**
36"	36.00	1/4" x 7"	**FC4-3600-A07R**	205	18	187.2	**1805.66**	**2370.63**	**3126.28**
	36.00	3/8" x 7"	**FC4-3600-B07R**	306	18	219.0	**1993.33**	**2558.29**	**3466.95**
	36.00	1/4" x 10"	**FC4-3600-A10R**	205	18	217.8	**2019.35**	**2652.77**	**3542.31**
	36.00	3/8" x 10"	**FC4-3600-B10R**	306	18	263.1	**2381.81**	**3015.22**	**4110.34**
	38.30	1/4" x 7"	**FC4-3830-A07R**	193	18	197.5	**1861.77**	**2426.79**	**3220.64**
	38.30	3/8" x 7"	**FC4-3830-B07R**	289	18	230.7	**2059.82**	**2624.82**	**3705.59**
	38.30	1/4" x 10"	**FC4-3830-A10R**	193	18	229.5	**2086.30**	**2719.75**	**3657.05**
	38.30	3/8" x 10"	**FC4-3830-B10R**	289	18	263.9	**2385.20**	**3018.63**	**4295.46**
42"	42.00	3/8" x 7"	**FC4-4200-B07R**	263	20	245.7	**2609.33**	**3237.06**	**4466.15**
	42.00	3/8" x 10"	**FC4-4200-B10R**	263	20	297.9	**2961.74**	**3665.55**	**5109.79**
	44.50	3/8" x 7"	**FC4-4450-B07R**	250	20	308.7	**2938.80**	**3321.69**	**4617.65**
	44.50	3/8" x 10"	**FC4-4450-B10R**	250	20	362.5	**3060.32**	**3764.10**	**6139.92**
48"	48.00	3/8" x 7"	**FC4-4800-B07R**	231	22	279.2	**2885.13**	**3575.72**	**4981.66**
	48.00	3/8" x 10"	**FC4-4800-B10R**	231	22	337.3	**3284.98**	**4059.19**	**5709.02**
54"	55.00	3/8" x 7"	**FC4-5500-B07R**	210	24	316.6	**4251.97**	**5005.29**	**6626.46**
	55.00	3/8" x 10"	**FC4-5500-B10R**	210	24	382.8	**4466.35**	**5310.95**	**7214.27**
	57.80	3/8" x 7"	**FC4-5780-B07R**	200	24	329.5	**4392.18**	**5145.53**	**6960.02**
	57.80	3/8" x 10"	**FC4-5780-B10R**	200	24	398.0	**4614.29**	**5458.92**	**6673.38**
60"	61.00	3/8" x 7"	**FC4-6100-B07R**	200	26	349.0	**4691.97**	**5508.09**	**7315.76**
	61.00	3/8" x 10"	**FC4-6100-B10R**	200	26	422.1	**4926.61**	**5841.60**	**7964.87**

Note: For smaller sized couplings see FC23 couplings listed on pages 21 through 23 and FC3 couplings listed on page 24.

FORD STANDARD STEEL COUPLINGS WITH END CAP FOR HDPE PIPE

STYLE **FC4** - WITH TAPPED OR UNTAPPED END CAP



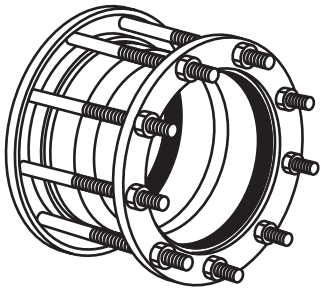
Listed below are common sizes of FC4 couplings with end cap. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact Ford Customer Service for pricing.

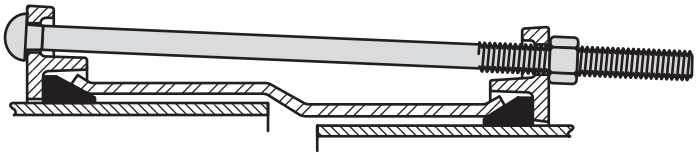
Note: End caps are optional with any FC4 coupling. To order, add "-TEC" (tapped end cap code) or "-BEC" (untapped end cap code) to the FC4 part number.

Nom. Pipe Size	Pipe O.D. (Inches)	Sleeve Thickness and Length	Standard Catalog Number	Rated Working Pressure	Number of Bolts	Approx. Wt. Lbs.	List Price
14"	14.00	1/4" x 5"	**FC4-1400-A05R-TEC**	150	9	84.8	**$ 1356.56**
	14.00	1/4" x 7"	**FC4-1400-A07R-TEC**	150	9	91.9	**1420.49**
	14.00	3/8" x 7"	**FC4-1400-B07R-BEC**	150	9	93.8	**1325.91**
	15.30	1/4" x 7"	**FC4-1530-A07R-TEC**	150	9	81.1	**1414.61**
	15.30	3/8" x 7"	**FC4-1530-B07R-BEC**	150	9	119.1	**1382.95**
16"	16.00	1/4" x 5"	**FC4-1600-A05R-TEC**	150	10	116.1	**1577.13**
	16.00	1/4" x 7"	**FC4-1600-A07R-TEC**	150	10	121.3	**1648.11**
	16.00	3/8" x 7"	**FC4-1600-B07R-BEC**	150	10	133.5	**1605.13**
	17.40	1/4" x 7"	**FC4-1740-A07R-TEC**	150	10	135.7	**1733.34**
	17.40	3/8" x 7"	**FC4-1740-B07R-BEC**	150	10	149.1	**1690.74**
18"	18.00	1/4" x 5"	**FC4-1800-A05R-TEC**	150	11	133.3	**1760.56**
	18.00	1/4" x 7"	**FC4-1800-A07R-TEC**	150	11	155.8	**1910.54**
	18.00	3/8" x 7"	**FC4-1800-B07R-BEC**	150	11	156.0	**1774.11**
	19.50	1/4" x 7"	**FC4-1950-A07R-TEC**	150	11	173.5	**1964.78**
	19.50	3/8" x 7"	**FC4-1950-B07R-BEC**	150	11	188.0	**1904.05**
20"	20.00	1/4" x 7"	**FC4-2000-A07R-TEC**	150	12	180.8	**2089.84**
	20.00	3/8" x 7"	**FC4-2000-B07R-BEC**	150	12	195.6	**2027.89**
	21.60	1/4" x 7"	**FC4-2160-A07R-TEC**	150	12	201.7	**2203.01**
	21.60	3/8" x 7"	**FC4-2160-B07R-BEC**	150	12	217.8	**2143.97**
24"	24.00	1/4" x 7"	**FC4-2400-A07R-TEC**	150	14	261.5	**2604.56**
	24.00	3/8" x 7"	**FC4-2400-B07R-BEC**	150	14	278.9	**2573.59**
	25.80	1/4" x 7"	**FC4-2580-A07R-TEC**	150	14	290.7	**2726.17**
	25.80	3/8" x 7"	**FC4-2580-B07R-TEC**	150	14	309.8	**2732.44**

FORD STEEL TRANSITION COUPLINGS FOR HDPE PIPE

STYLE **FC5** - 1" MAXIMUM TRANSITION (except as listed)





Cross Section Detail of Stepped Sleeve

Listed below are common sizes of FC5 couplings. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact Ford Customer Service for pricing.

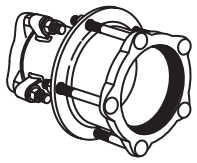
*For stainless steel bolts and epoxy coating options, substitute the “X” or “Y” code for the standard catalog number “R” code.

								List Price		
								*Optional Feature Codes		
Nom. Pipe Size	1st End Pipe O.D.	2nd End Pipe O.D.	Center Sleeve Info.	Standard Catalog Number	No. of Bolts	Rated Working Pressure	Approx. Wt. Lbs.	Std. Cplg.	Stainless Steel Bolts	Epoxy Coat and S.S. Bolts
									X	Y
14"	14.00	15.30	1/4" x 10"	**FC5-1400-1530-A10R**	9	200	91.0	**$ 1150.95**	**$ 1467.66**	**$ 1831.15**
	15.30	15.65	1/4" x 10"	**FC5-1530-1565-A10R**	9	416	94.7	**1212.11**	**1528.83**	**1916.19**
	15.30	15.98	1/4" x 10"	**FC5-1530-1598-A10R**	9	416	95.2	**1224.64**	**1541.31**	**1933.50**
	15.30	16.22	1/4" x 10"	**FC5-1530-1622-A10R**	9	410	95.6	**1240.57**	**1557.30**	**1943.73**
16"	16.00	17.40	1/4" x 10"	**FC5-1600-1740-A10R**	10	200	103.1	**1247.68**	**1599.57**	**2010.87**
	17.40	17.80	1/4" x 10"	**FC5-1740-1780-A10R**	10	372	107.4	**1291.54**	**1643.41**	**2088.18**
	17.40	17.94	1/4" x 10"	**FC5-1740-1794-A10R**	10	372	107.6	**1298.62**	**1650.52**	**2095.29**
	17.40	18.16	1/4" x 10"	**FC5-1740-1816-A10R**	10	372	107.9	**1303.81**	**1655.70**	**2100.44**
18"	18.00	19.50	1/4" x 10"	**FC5-1800-1950-A10R**	11	200	114.5	**1358.28**	**1745.37**	**2199.67**
	19.50	19.92	1/4" x 10"	**FC5-1950-1992-A10R**	11	337	118.8	**1370.24**	**1757.31**	**2240.30**
20"	20.00	21.60	1/4" x 10"	**FC5-2000-2160-A10R**	12	200	125.6	**1422.32**	**1844.61**	**2351.54**
	21.60	22.06	1/4" x 10"	**FC5-2160-2206-A10R**	12	313	131.8	**1453.85**	**1876.10**	**2426.07**
	21.60	22.50	1/4" x 10"	**FC5-2160-2250-A10R**	12	313	132.5	**1509.52**	**1931.84**	**2481.80**
24"	24.00	25.80	1/4" x 10"	**FC5-2400-2580-A10R**	14	200	150.5	**1703.65**	**2196.35**	**2796.89**
	25.80	26.32	1/4" x 10"	**FC5-2580-2632-A10R**	14	250	155.6	**1717.61**	**2210.25**	**2841.54**
	25.80	26.48	1/4" x 10"	**FC5-2580-2648-A10R**	14	250	155.9	**1717.61**	**2210.25**	**2846.32**
30"	30.00	32.00	1/4" x 10"	**FC5-3000-3200-A10R**	16	200	185.3	**1948.99**	**2512.06**	**3262.87**
	32.00	32.40	1/4" x 10"	**FC5-3200-3240-A10R**	16	230	191.2	**1985.43**	**2548.51**	**3323.25**
	32.00	32.40	3/8" x 10"	**FC5-3200-3240-B10R**	16	230	231.4	**2378.18**	**2941.26**	**3888.10**
	32.00	32.74	1/4" x 10"	**FC5-3200-3274-A10R**	16	230	191.7	**1990.06**	**2553.15**	**3332.63**
36"	36.00	38.30	1/4" x 10"	**FC5-3600-3830-A10R**	18	193	224.8	**2310.15**	**2943.58**	**3842.64**
	38.30	38.70	1/4" x 10"	**FC5-3830-3870-A10R**	18	193	230.1	**2333.08**	**2966.52**	**3903.84**
	38.30	38.70	3/8" x 10"	**FC5-3830-3870-B10R**	18	193	264.4	**2399.82**	**3033.27**	**4176.25**
	38.30	38.70	3/8" x 15"	**FC5-3830-3870-B15R**	18	193	354.8	**2785.51**	**3579.70**	**5066.94**
	38.30	39.16	1/4" x 10"	**FC5-3830-3916-A10R**	18	193	230.7	**2338.98**	**2972.39**	**3909.75**
42"	44.50	45.10	3/8" x 10"	**FC5-4450-4510-B10R**	20	250	340.5	**4748.76**	**5452.60**	**6960.84**
	44.50	45.10	3/8" x 15"	**FC5-4450-4510-B15R**	20	250	431.4	**5548.55**	**6430.92**	**8319.91**
	44.50	45.58	3/8" x 10"	**FC5-4450-4558-B10R**	20	250	341.0	**4765.19**	**5469.02**	**6965.83**
48"	50.50	50.80	3/8" x 10"	**FC5-5050-5080-B10R**	22	220	374.6	**5251.04**	**6025.21**	**7708.55**

FORD STEEL REDUCING COUPLINGS FOR HDPE PIPE

STYLE **FC6**

NOTE: The prices below are ONLY for couplings within three (3) nominal pipe sizes.
To figure prices for FC6 couplings, add the price of the large end to the price of the small end. If the ends are not within three (3) nominal pipe sizes, call for special pricing. Listed below are common end ranges for FC6 couplings. If your pipe O.D. is not within the listed ranges, or for coating bolt and gasket material options, contact Ford Customer Service for special pricing.



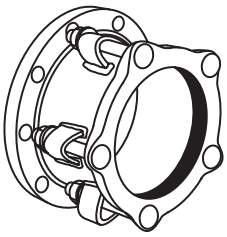
LARGE END BY SMALL END

Nom. Pipe Size	Large End Range (Inches)	Large End Catalog Number	Length of Lg. End	Number of Bolts	List Price
4"	4.50-4.80	**FC6-480**	5"	3	**$ 415.51**
	4.80-5.10	**FC6-510**	5"	3	**506.41**
	5.15-5.57	**FC6-557**	5"	3	**506.41**
6"	6.00	**FC6-600**	5"	4	**506.41**
	6.63-6.90	**FC6-690**	5"	4	**506.41**
	6.90-7.20	**FC6-720**	5"	4	**506.41**
	7.21-7.56	**FC6-756**	5"	4	**703.14**
8"	8.00	**FC6-800**	5"	5	**703.14**
	8.63-9.05	**FC6-905**	5"	5	**791.69**
	9.05-9.40	**FC6-940**	5"	5	**791.69**
	9.40-9.74	**FC6-974**	5"	5	**885.12**
10"	10.00	**FC6-1000**	5"	6	**946.56**
	10.75	**FC6-1075**	5"	6	**946.56**
	11.10-11.46	**FC6-1146**	5"	6	**946.56**
	11.42-11.77	**FC6-1177**	5"	6	**1037.45**
	11.77-12.12	**FC6-1212**	5"	6	**1037.45**
12"	12.00	**FC6-1200**	5"	7	**1059.21**
	12.75	**FC6-1275**	5"	7	**1059.21**
	13.20-13.56	**FC6-1356**	5"	7	**1167.79**
	13.69-14.04	**FC6-1404**	5"	7	**1167.79**
	14.04-14.38	**FC6-1438**	5"	7	**1167.79**
14"-16"	15.30-15.70	**FC6-1570**	5"	9	**1327.60**
	16.00-16.35	**FC6-1635**	5"	9	**1327.60**
	16.40-16.88	**FC6-1688**	5"	9	**1366.95**
16"-18"	17.40-17.80	**FC6-1780**	5"	10	**1433.34**
	18.25	**FC6-1825**	5"	11	**1499.69**
	18.90-19.20	**FC6-1920**	5"	10	**1499.69**
18"-20"	19.50-20.00	**FC6-2000**	5"	11	**1543.99**
	21.20	**FC6-2120**	5"	12	**1640.74**
	21.60-22.06	**FC6-2206**	5"	12	**1671.85**
24"	24.00	**FC6-2400**	5"	14	**1743.17**
	25.80	**FC6-2580**	5"	14	**1898.04**
	26.32	**FC6-2632**	5"	14	**1898.04**
30"	30.00	**FC6-3000**	5"	16	**1993.86**
	32.00	**FC6-3200**	5"	16	**2212.69**
	32.40	**FC6-3240**	5"	16	**2212.69**
36"	36.00	**FC6-3600**	5"	18	**2241.39**
	38.30	**FC6-3830**	5"	18	**2282.49**
42"	42.00	**FC6-4200**	5"	20	**P.O.A.**
	44.50	**FC6-4450**	5"	20	**P.O.A.**
48"	48.00	**FC6-4800**	5"	22	**P.O.A.**
	49.00	**FC6-4900**	5"	22	**P.O.A.**
	50.80	**FC6-5080**	5"	22	**P.O.A.**
54"	55.00	**FC6-5500**	5"	24	**P.O.A.**
	56.66	**FC6-5666**	5"	24	**P.O.A.**
	57.10	**FC6-5710**	5"	24	**P.O.A.**
	57.56	**FC6-5756**	5"	24	**P.O.A.**
	57.80	**FC6-5780**	5"	24	**P.O.A.**
60"	60.00	**FC6-6000**	5"	26	**P.O.A.**
	61.00	**FC6-6100**	5"	26	**P.O.A.**
	61.61	**FC6-6161**	5"	26	**P.O.A.**
	63.40	**FC6-6340**	5"	26	**P.O.A.**

Nom. Pipe Size	Small End Range (Inches)	Small End Catalog Number	Length of Sm. End	Number of Bolts	List Price
2"	2.30-2.45	**-245-R**	7"	2	**$ 201.23**
	2.34-2.63	**-263-R**	7"	2	**216.30**
	2.40-2.65	**-265-R**	7"	2	**216.30**
	2.65-2.88	**-288-R**	7"	2	**235.83**
3"	3.45-3.60	**-360-R**	7"	3	**307.36**
	3.70-3.88	**-388-R**	7"	3	**307.36**
	4.07-4.20	**-420-R**	7"	3	**307.36**
4"	4.00	**-400-R**	7"	3	**307.36**
	4.50-4.80	**-480-R**	7"	3	**415.51**
	4.80-5.10	**-510-R**	7"	3	**415.51**
	5.15-5.57	**-557-R**	7"	3	**506.41**
6"	6.00	**-600-R**	7"	4	**506.41**
	6.63-6.90	**-690-R**	7"	4	**617.10**
	6.90-7.20	**-720-R**	7"	4	**617.10**
	7.21-7.56	**-756-R**	7"	4	**703.21**
8"	8.00	**-800-R**	7"	5	**703.21**
	8.63-9.05	**-905-R**	7"	5	**791.69**
	9.05-9.40	**-940-R**	7"	5	**791.69**
	9.40-9.74	**-974-R**	7"	5	**885.12**
10"	10.00	**-1000-R**	5"	6	**946.56**
	10.75	**-1075-R**	7"	6	**946.56**
	11.10-11.46	**-1146-R**	7"	6	**946.56**
	11.42-11.77	**-1177-R**	7"	6	**1037.45**
	11.77-12.12	**-1212-R**	7"	6	**1037.45**
12"	12.00	**-1200-R**	5"	7	**1059.21**
	12.75	**-1275-R**	7"	7	**1059.21**
	13.20-13.56	**-1356-R**	7"	7	**1167.79**
	13.69-14.04	**-1404-R**	7"	7	**1167.79**
	14.04-14.38	**-1438-R**	7"	7	**1167.79**
14"-16"	15.30-15.70	**-1570-R**	7"	9	**1300.62**
	16.00-16.35	**-1635-R**	7"	9	**1300.62**
	16.40-16.88	**-1688-R**	7"	9	**1300.62**
16"-18"	17.40-17.80	**-1780-R**	7"	10	**1433.34**
	18.25	**-1825-R**	7"	11	**1433.34**
	18.90-19.20	**-1920-R**	7"	10	**1499.69**
18"-20"	19.50-20.00	**-2000-R**	7"	11	**1543.99**
	21.60-22.06	**-2206-R**	7"	12	**1671.85**
24"	24.00	**-2400-R**	7"	14	**1743.17**
	25.80	**-2580-R**	7"	14	**1898.04**
	26.32	**-2632-R**	7"	14	**1898.04**
30"	30.00	**-3000-R**	7"	16	**2043.03**
	32.00	**-3200-R**	7"	16	**2212.69**
	32.40	**-3240-R**	7"	16	**2212.69**
36"	36.00	**-3600-R**	7"	18	**2241.39**
	38.30	**-3830-R**	7"	18	**2282.49**
42"	42.00	**-4200-R**	7"	20	**P.O.A.**
	44.50	**-4450-R**	7"	20	**P.O.A.**
48"	48.00	**-4800-R**	7"	22	**P.O.A.**
	49.00	**-4900-R**	7"	22	**P.O.A.**
	50.80	**-5080-R**	7"	22	**P.O.A.**
54"	55.00	**-5500-R**	7"	24	**P.O.A.**
	56.66	**-5666-R**	7"	24	**P.O.A.**
	57.10	**-5710-R**	7"	24	**P.O.A.**
	57.56	**-5756 R**	7"	24	**P.O.A.**
	57.80	**-5780-R**	7"	24	**P.O.A.**
60"	60.00	**-6000-R**	7"	26	**P.O.A.**
	61.00	**-6100-R**	7"	26	**P.O.A.**
	61.61	**-6161-R**	7"	26	**P.O.A.**
	63.40	**-6340-R**	7"	26	**P.O.A.**

FORD STEEL FLANGE COUPLING ADAPTERS FOR HDPE PIPE

STYLE **FCA**



Listed below are common sizes of FCA couplings. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact Ford Customer Service for pricing.

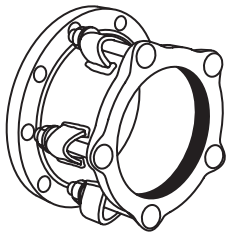
***** For stainless steel bolts and epoxy coating options, substitute the "X" or "Y" code for the standard catalog number "R" code. Example: FCA-1400-1530-D4**Y** has epoxy coating and stainless steel bolts.

								List Price *Optional Feature Codes		
Nom. Pipe Size	Pipe O.D. (Inches)	Flange Size	Range (Coupling End)	Standard Catalog Number	Rated Working Pressure	No. of End Ring Bolts	Approx. Wt. Lbs.	Std. Cplg.	Stainless Steel Bolts X	Epoxy Coat and S.S Bolts Y
4"	4.50	4	4.50-4.80	**FCA-480-D4R**	175	3	26.3	**$ 621.67**	**$ 702.98**	**$ 827.30**
	4.80	4	4.50-4.80	**FCA-480-D4R**	175	3	26.3	**621.67**	**702.98**	**827.30**
6"	6.63	4	6.63-6.90	**FCA-690-D4R**	175	4	40.3	**683.86**	**795.59**	**962.98**
	6.63	6	6.63-6.90	**FCA-690-D6R**	175	4	35.7	**802.44**	**910.83**	**1078.17**
	6.90	4	6.63-6.90	**FCA-690-D4R**	175	4	40.3	**683.86**	**795.59**	**962.98**
	6.90	6	6.63-6.90	**FCA-690-D6R**	175	4	40.4	**802.44**	**910.83**	**1078.17**
8"	8.63	4	8.63-9.05	**FCA-905-D4R**	175	5	46.1	**752.23**	**863.98**	**1079.19**
	8.63	6	8.63-9.05	**FCA-905-D6R**	175	5	53.4	**882.62**	**994.38**	**1209.56**
	8.63	8	8.63-9.05	**FCA-905-D8R**	175	5	48.8	**993.98**	**1129.45**	**1344.61**
	9.05	4	8.63-9.05	**FCA-905-D4R**	175	5	46.1	**752.23**	**863.98**	**1079.19**
	9.05	6	8.63-9.05	**FCA-905-D6R**	175	5	53.4	**882.62**	**994.38**	**1209.56**
	9.05	8	8.63-9.05	**FCA-905-D8R**	175	5	48.8	**993.98**	**1129.45**	**1344.61**
10"	10.75	6	10.75-10.75	**FCA-1075-D6R**	175	6	66.0	**926.34**	**1060.42**	**1376.16**
	10.75	8	10.75-10.75	**FCA-1075-D8R**	175	6	69.8	**1043.76**	**1177.85**	**1493.46**
	10.75	10	10.75-10.75	**FCA-1075-D10R**	175	6	63.0	**1210.82**	**1373.36**	**1660.26**
	11.10	6	11.10-11.46	**FCA-1146-D6R**	175	6	61.9	**970.92**	**1105.00**	**1363.25**
	11.10	8	11.10-11.46	**FCA-1146-D8R**	175	6	71.1	**1093.40**	**1227.48**	**1487.87**
	11.10	10	11.10-11.46	**FCA-1146-D10R**	175	6	61.7	**1272.21**	**1434.76**	**1707.34**
12"	12.75	8	12.75-12.75	**FCA-1275-D8R**	175	7	82.1	**1148.07**	**1304.49**	**1644.04**
	12.75	10	12.75-12.75	**FCA-1275-D10R**	175	7	92.4	**1335.84**	**1492.31**	**1779.20**
	12.75	12	12.75-12.75	**FCA-1275-D12R**	175	7	88.7	**1424.12**	**1613.75**	**2025.03**
	13.20	8	13.20-13.56	**FCA-1356-D8R**	175	7	80.4	**1202.75**	**1359.17**	**1713.07**
	13.20	10	13.20-13.56	**FCA-1356-D10R**	175	7	90.9	**1399.43**	**1555.91**	**1981.52**
	13.20	12	13.20-13.56	**FCA-1356-D12R**	175	7	87.2	**1495.30**	**1684.93**	**2065.51**
14"	14.00	10	13.69-14.04	**FCA-1404-D10R**	175	9	91.9	**1469.48**	**1670.65**	**2110.58**
	14.00	12	13.69-14.04	**FCA-1404-D12R**	175	9	114.5	**1566.52**	**1767.67**	**2274.59**
	15.30	10	15.30-15.70	**FCA-1570-D10R**	175	9	131.2	**1539.41**	**1740.57**	**2371.80**
	15.30	12	15.30-15.70	**FCA-1570-D12R**	175	9	151.2	**1644.87**	**1846.03**	**2572.93**
	15.30	14	15.30	**FCA-1530-D14R**	150	9	120.9	**1767.41**	**2011.23**	**2518.11**
16"	16.00	12	16.00-16.35	**FCA-1635-D12R**	175	10	151.7	**1727.23**	**1950.71**	**2581.97**
	16.00	14	16.00-16.35	**FCA-1635-D14R**	150	10	165.9	**1855.86**	**2079.37**	**2846.63**
	16.00	16	16.00	**FCA-1600-D16R**	150	10	138.0	**1897.72**	**2168.63**	**2817.06**
	17.40	12	17.40-17.80	**FCA-1780-D12R**	175	10	175.7	**1813.46**	**2036.94**	**2759.03**
	17.40	14	17.40-17.80	**FCA-1780-D14R**	150	10	-	**1944.25**	**2167.73**	**P.O.A.**
	17.40	16	17.40	**FCA-1740-D16R**	150	10	145.0	**2150.60**	**2421.51**	**3059.54**

Additional sizes on following page.

FORD STEEL FLANGE COUPLING ADAPTERS FOR HDPE PIPE

STYLE **FCA (CONTINUED)**

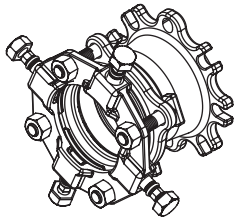


Listed below are common sizes of FCA couplings. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact Ford Customer Service for pricing.

								List Price *Optional Feature Codes		
Nom. Pipe Size	Pipe O.D. (Inches)	Flange Size	Range (Coupling End)	Standard Catalog Number	Rated Working Pressure	No. of End Ring Bolts	Approx. Wt. Lbs.	Std. Cplg.	Stainless Steel Bolts X	Epoxy Coat and S.S Bolts Y
18"	18.00	14	18.00	**FCA-1800-D14R**	150	11	-	**$ 1974.14**	**$ 2220.02**	**$ 2523.99**
	18.00	16	18.00	**FCA-1800-D16R**	150	11	202.6	**2171.47**	**2417.34**	**3155.99**
	18.00	18	18.00	**FCA-1800-D18R**	150	11	150.8	**2244.30**	**2542.31**	**3228.43**
	19.50	14	19.50-20.00	**FCA-2000-D14R**	150	11	194.1	**2069.94**	**2315.82**	**3037.91**
	19.50	16	19.50-20.00	**FCA-2000-D16R**	150	11	151.0	**2292.24**	**2535.34**	**3257.46**
	19.50	18	19.50	**FCA-1950-D18R**	150	11	154.1	**2598.72**	**2896.73**	**3561.45**
20"	20.00	16	19.50-20.00	**FCA-2000-D16R**	150	11	151.0	**2292.24**	**2535.34**	**3257.46**
	20.00	18	19.50-20.00	**FCA-2000-D18R**	150	11	194.2	**2635.25**	**2881.07**	**3998.49**
	20.00	20	20.00	**FCA-2000-D20R**	150	12	175.5	**2694.00**	**3344.16**	**4104.51**
	21.60	16	21.60-22.06	**FCA-2206-D16R**	150	12	201.8	**2432.38**	**2757.42**	**3711.10**
	21.60	18	21.60-22.06	**FCA-2206-D18R**	150	12	-	**2765.38**	**3090.51**	**P.O.A.**
	21.60	20	21.60	**FCA-2160-D20R**	150	12	180.4	**3079.54**	**3404.65**	**4199.91**
24"	24.00	18	24.00	**FCA-2400-D18R**	150	14	369.2	**3020.76**	**3333.66**	**4266.22**
	24.00	20	24.00	**FCA-2400-D20R**	150	14	-	**3193.72**	**3506.57**	**P.O.A.**
	24.00	24	24.00	**FCA-2400-D24R**	150	14	225.9	**3301.30**	**3680.58**	**4653.35**
	25.80	18	25.80	**FCA-2580-D18R**	150	14	277.5	**3146.69**	**3459.57**	**4452.28**
	25.80	20	25.80	**FCA-2580-D20R**	150	14	-	**3325.97**	**3638.85**	**P.O.A.**
	25.80	24	25.80	**FCA-2580-D24R**	150	14	232.9	**3564.21**	**3943.44**	**4947.71**
30"	30.00	20	30.00	**FCA-3000-D20R**	150	16	-	**3801.23**	**4158.79**	**P.O.A.**
	30.00	24	30.00	**FCA-3000-D24R**	150	16	376.5	**4078.24**	**4435.82**	**5765.27**
	30.00	30	30.00	**FCA-3000-D30R**	150	16	314.2	**4270.51**	**4703.96**	**6124.28**
	32.00	20	32.00	**FCA-3200-D20R**	150	16	-	**4007.19**	**4364.78**	**P.O.A.**
	32.00	24	32.00	**FCA-3200-D24R**	150	16	-	**4284.22**	**4641.83**	**P.O.A.**
	32.00	30	32.00	**FCA-3200-D30R**	150	16	322.6	**4455.26**	**4888.68**	**6342.45**
36"	36.00	24	36.00	**FCA-3600-D24R**	150	18	-	**P.O.A.**	**P.O.A.**	**P.O.A.**
	36.00	30	36.00	**FCA-3600-D30R**	150	18	-	**P.O.A.**	**P.O.A.**	**P.O.A.**
	36.00	36	36.00	**FCA-3600-D36R**	150	18	471.8	**5465.46**	**5953.34**	**8186.64**
	38.30	24	38.30	**FCA-3830-D24R**	150	18	439.2	**P.O.A.**	**P.O.A.**	**P.O.A.**
	38.30	30	38.30	**FCA-3830-D30R**	150	18	-	**P.O.A.**	**P.O.A.**	**P.O.A.**
	38.30	36	38.30	**FCA-3830-D36R**	150	18	411.4	**5672.10**	**6159.70**	**8349.94**
42"	42.00	30	42.00	**FCA-4200-D30R**	150	20	-	**P.O.A.**	**P.O.A.**	**P.O.A.**
	42.00	36	42.00	**FCA-4200-D36R**	150	20	-	**P.O.A.**	**P.O.A.**	**P.O.A.**
	42.00	42	42.00	**FCA-4200-D42R**	150	20	621.6	**P.O.A.**	**P.O.A.**	**P.O.A.**
	44.50	30	44.50	**FCA-4450-D30R**	150	20	-	**P.O.A.**	**P.O.A.**	**P.O.A.**
	44.50	36	44.50	**FCA-4450-D36R**	150	20	-	**P.O.A.**	**P.O.A.**	**P.O.A.**
	44.50	42	44.50	**FCA-4450-D42R**	150	20	658.3	**7807.65**	**8349.43**	**11352.66**
48"	48.00	36	48.00	**FCA-4800-D36R**	150	24	-	**P.O.A.**	**P.O.A.**	**P.O.A.**
	48.00	42	48.00	**FCA-4800-D42R**	150	24	-	**P.O.A.**	**P.O.A.**	**P.O.A.**
	48.00	48	48.00	**FCA-4800-D48R**	150	24	768.3	**P.O.A.**	**P.O.A.**	**P.O.A.**

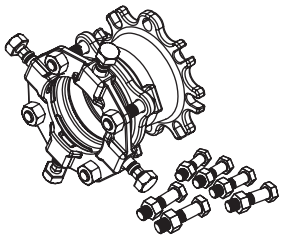
SERIES RFAP RESTRAINED FLANGE ADAPTER FOR CONVERTING PLAIN END PIPE TO A FLANGE CONNECTION

RFAP FOR HDPE PIPE



Nom. Pipe Size	Pipe O.D. Range (Inches)	Catalog Number	No of Restraint Segments	T-Bolt Size	T-Bolt Quantity	Approx. Weight Lbs.	List Price
3"	3.50	**RFAP-3-I**	2	5/8" x 3"	4	21.1	**$ 196.94**
4"	4.21-4.80	**RFAP-4-I**	4	3/4" x 4"	4	24.3	**216.11**
6"	6.27-6.90	**RFAP-6-I**	6	3/4" x 4"	6	37.4	**322.39**
8"	8.40-9.05	**RFAP-8-I**	6	3/4" x 4-1/2"	6	50.9	**501.22**
10"	10.50-11.10	**RFAP-10-I**	8	3/4" x 4-1/2"	8	67.6	**738.93**
12"	12.50-13.20	**RFAP-12-I**	8	3/4" x 4-1/2"	8	83.1	**903.80**

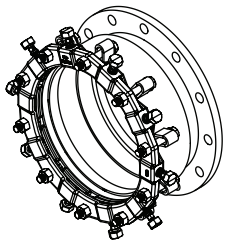
RFAP WITH FLANGE BOLTS FOR HDPE PIPE



Nom. Pipe Size	Pipe O.D. Range (Inches)	Catalog Number	No of Restraint Segments	T-Bolt Size	T-Bolt Qty.	Flange Bolt Qty.	Flange Bolt Size	Approx. Weight Lbs.	List Price
3"	3.50	**RFAP-3A-I**	4	5/8" x 3"	4	4	5/8" x 2-1/2"	22.1	**$ 217.61**
4"	4.21-4.80	**RFAP-4A-I**	4	3/4" x 4"	4	8	5/8" x 2-1/2"	27.5	**236.75**
6"	6.27-6.90	**RFAP-6A-I**	6	3/4" x 4"	6	8	3/4" x 2-3/4"	38.4	**365.68**
8"	8.40-9.05	**RFAP-8A-I**	6	3/4" x 4-1/2"	6	8	3/4" x 2-3/4"	56.3	**544.50**
10"	10.50-11.10	**RFAP-10A-I**	8	3/4" x 4-1/2"	8	12	7/8" x 3"	79.4	**811.60**
12"	12.50-13.20	**RFAP-12A-I**	8	3/4" x 4-1/2"	8	12	7/8" x 3-1/2"	95.8	**981.57**

SERIES RFAP RESTRAINED FLANGE ADAPTER FOR CONVERTING PLAIN END PIPE TO A FLANGE CONNECTION

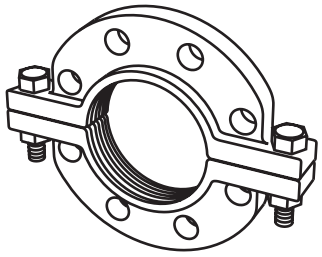
RFAP FOR HDPE PIPE



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number Import Restraints	List Price	Catalog Number Domestic Restraints	List Price	Approx. Wt. Lbs.
14"	15.30	**RFAP-1530-D14R-I**	**$ 1935.87**	**RFAP-1530-D14R-U**	**$ 2275.18**	155.9
16"	17.40	**RFAP-1740-D16R-I**	**2273.63**	**RFAP-1740-D16R-U**	**2672.14**	208.0
18"	19.50	**RFAP-1950-D18R-I**	**2689.10**	**RFAP-1950-D18R-U**	**3160.45**	220.0
20"	21.60	**RFAP-2160-D20R-I**	**3011.49**	**RFAP-2160-D20R-U**	**3702.27**	260.4
24"	25.80	**RFAP-2580-D24R-I**	**3872.45**	**RFAP-2580-D24R-U**	**7429.71**	348.3
30"	32.00	**RFAP-3200-D30R-I**	**5808.30**	**RFAP-3200-D30R-U**	**9620.56**	543.6
36"	38.30	**RFAP-3830-D36R-I**	**P.O.A.**	**RFAP-3830-D36R-U**	**P.O.A.**	654.9

SERIES 900 ADAPTER FLANGE FOR HDPE PIPE FLANGE DRILLING ANSI B16.1 125 LB. / ANSI B16.5 150 LB.

Uni-Flange Series 900 Adapters are furnished with EPDM gaskets.

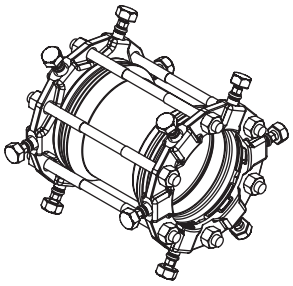


Nom. Pipe Size	PVC Pipe with Steel Pipe OD		PVC Pipe with Ductile Iron Pipe OD		Pallet Quantity	Approx. Wt. Lbs.	List Price
	Pipe O.D. (Inches)	Catalog Number	Pipe O.D.	Catalog Number			
4"	4.50	**UFA900-S-4**	4.80	**UFA900-C-4**	27	11.5	**$ 132.33**
6"	6.63	**UFA900-S-6**	6.90	**UFA900-C-6**	30	16.9	**167.69**
8"	8.63	**UFA900-S-8**	9.05	**UFA900-C-8**	45	26.4	**233.43**
10"	–	–	11.10	**UFA900-C-10**	–	39.0	**350.32**
12"	–	–	13.20	**UFA900-C-12**	–	54.0	**454.52**

Note: Not to be used on metal pipe. Flanges are designed for PVC or HDPE pipe only.

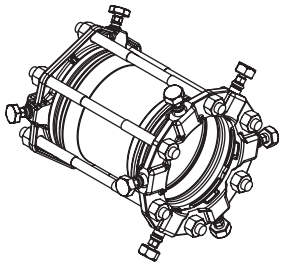
RESTRAINED COUPLING STYLES RCPP OR RCDP

RCPP FOR HDPE PIPE



Nom. Pipe Size	Catalog Number	Pipe O.D. (Inches)	Rods		Approx. Wt. Lbs.	List Price
			Qty.	Size		
3"	**RCPP-3-I**	3.50	4	5/8" x 14"	38.9	**$ 258.87**
4"	**RCPP-4-I**	4.21-4.80	4	3/4" x 14"	38.9	**264.51**
6"	**RCPP-6-I**	6.27-6.90	6	3/4" x 14"	58.6	**356.24**
8"	**RCPP-8-I**	8.40-9.05	6	3/4" x 14"	70.2	**462.64**
10"	**RCPP-10-I**	10.50-11.10	8	3/4" x 14"	91.4	**613.88**
12"	**RCPP-12-I**	12.50-13.20	8	3/4" x 14"	104.8	**701.29**

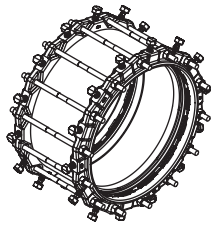
RCDP FOR JOINING DUCTILE IRON TO HDPE PIPE



Nom.Pipe Size	Catalog Number	Ductile Iron Pipe O.D. (Inches)	HDPE Pipe O.D. (Inches)	Rods		Approx. Wt. Lbs.	List Price
				Qty.	Size		
3"	**RCDP-3-I**	3.96	3.50	4	5/8" x 14"	34.9	**$ 253.69**
4"	**RCDP-4-I**	4.80	4.21-4.80	4	3/4" x 14"	26.6	**256.37**
6"	**RCDP-6-I**	6.90	6.27-6.90	6	3/4" x 14"	42.4	**349.60**
8"	**RCDP-8-I**	9.05	8.40-9.05	6	3/4" x 14"	54.7	**459.57**
10"	**RCDP-10-I**	11.10	10.50-11.10	8	3/4" x 14"	77.1	**609.37**
12"	**RCDP-12-I**	13.20	12.50-13.20	8	3/4" x 14"	96.5	**696.84**

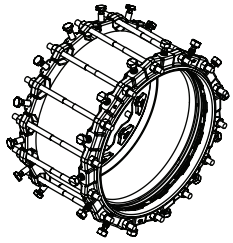
FABRICATED RESTRAINED COUPLING

RCPP FOR DUCTILE SIZED HDPE PIPE



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number Import Restraints	List Price	Catalog Number Domestic Restraints	List Price	Rods		Approx. Wt. Lbs.
						Qty.	Size	
14"	15.30	**RCPP-14-I**	**$ 1926.88**	**RCPP-14-U**	**$ 2295.53**	10	3/4" x 17"	188.6
16"	17.40	**RCPP-16-I**	**2368.31**	**RCPP-16-U**	**2825.05**	12	3/4" x 17"	229.9
18"	19.50	**RCPP-18-I**	**3059.75**	**RCPP-18-U**	**3626.28**	12	3/4" x 17"	260.6
20"	21.60	**RCPP-20-I**	**3363.03**	**RCPP-20-U**	**4008.48**	14	3/4" x 17"	310.7
24"	25.80	**RCPP-24-I**	**4331.01**	**RCPP-24-U**	**5735.76**	16	3/4" x 17"	352.7
30"	32.00	**RCPP-30-I**	**6229.58**	**RCPP-30-U**	**7161.39**	20	1" x 20"	517.7
36"	38.30	**RCPP-36-I**	**9973.16**	**RCPP-36-U**	**11360.19**	24	1" x 20"	-

RCDP FOR JOINING DUCTILE IRON PIPE TO DUCTILE SIZED HDPE PIPE

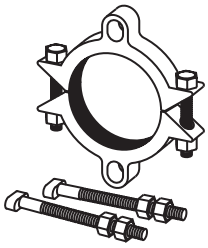


Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number Import Restraints	List Price	Catalog Number Domestic Restraints	List Price	Rods		Approx. Wt. Lbs.
						Qty.	Size	
14"	15.30	**RCDP-14-I**	**$ 1828.66**	**RCDP-14-U**	**$ 2168.33**	10	3/4" x 17"	184.1
16"	17.40	**RCDP-16-I**	**2243.43**	**RCDP-16-U**	**2711.78**	12	3/4" x 17"	217.2
18"	19.50	**RCDP-18-I**	**2954.78**	**RCDP-18-U**	**3567.39**	12	3/4" x 17"	278.9
20"	21.60	**RCDP-20-I**	**3240.89**	**RCDP-20-U**	**3883.68**	14	3/4" x 17"	290.0
24"	25.80	**RCDP-24-I**	**4226.68**	**RCDP-24-U**	**5613.15**	16	3/4" x 17"	367.5
30"	32.00	**RCDP-30-I**	**5996.98**	**RCDP-30-U**	**6752.20**	20	1" x 20"	601.5
36"	38.30	**RCDP-36-I**	**9705.50**	**RCDP-36-U**	**11041.74**	24	1" x 20"	605.0

Note: Reducing adapters available. Contact factory for details.

UNI-FLANGE RESTRAINTS

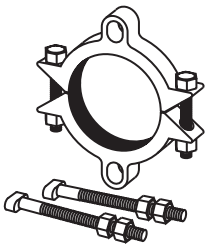
SERIES 1300 RESTRAINTS FOR HDPE PIPE



IMPORTED PRODUCTS FOR HDPE PIPE

Nom. Pipe Size	PVC Pipe with Steel Pipe OD				PVC Pipe with Ductile Iron Pipe OD			
	Pipe O.D. (Inches)	Catalog Number	Pallet Qty.	List Price	Pipe O.D. (Inches)	Catalog Number	Pallet Qty.	List Price
2"	2.38	**UFR1300-S-2-I**	32	**$ 49.30**	-	-	-	-
2-1/2"	2.88	**UFR1300-S-25-I**	32	**55.53**	-	-	-	-
3"	3.50	**UFR1300-S-3-I**	32	**59.96**	-	-	-	-
4"	4.50	**UFR1300-S-4-I**	32	**63.62**	4.80	**UFR1300-C-4-I**	32	**$ 59.61**
6"	6.63	**UFR1300-S-6-I**	32	**77.94**	6.90	**UFR1300-C-6-I**	32	**73.20**
8"	8.63	**UFR1300-S-8-I**	32	**104.44**	9.05	**UFR1300-C-8-I**	32	**121.98**
10"	10.75	**UFR1300-S-10-I**	32	**218.44**	11.10	**UFR1300-C-10-I**	32	**204.96**
12"	12.75	**UFR1300-S-12-I**	32	**233.53**	13.20	**UFR1300-C-12-I**	32	**219.23**
14"	14.00	-	-	-	15.30	**UFR1300-C-14-I**	9	**398.77**
16"	16.00	-	-	-	17.40	**UFR1300-C-16-I**	9	**437.45**
18"	18.00	-	-	-	19.50	**UFR1300-C-18-I**	7	**524.90**
20"	20.00	-	-	-	21.60	**UFR1300-C-20-I**	7	**723.92**
24"	24.00	-	-	-	25.80	**UFR1300-C-24-I**	7	**890.22**
30"	30.00	-	-	-	32.00	**UFR1300-C-30-I**	4	**1974.21**
36"	36.00	-	-	-	38.30	**UFR1300-C-36-I**	4	**2369.47**
42"	42.00	-	-	-	44.50	**UFR1300-C-42-I**	4	**5653.53**

Note: 2" through 12" sizes shipped individually packaged and shrink-wrapped. 14" through 42" items are non-returnable and may be subject to a cancellation fee.

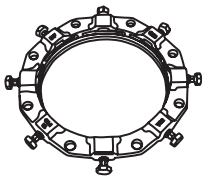


DOMESTIC PRODUCTS FOR HDPE PIPE

Nom. Pipe Size	PVC Pipe with Steel Pipe OD				PVC Pipe with Ductile Iron Pipe OD			
	Pipe O.D. (Inches)	Catalog Number	Pallet Qty.	List Price	Pipe O.D. (Inches)	Catalog Number	Pallet Qty.	List Price
4"	4.50	-	-	-	4.80	**UFR1300-C-4-U**	32	**$ 73.73**
6"	6.63	-	-	-	6.90	**UFR1300-C-6-U**	32	**87.83**
8"	8.63	-	-	-	9.05	**UFR1300-C-8-U**	32	**158.62**
10"	10.75	-	-	-	11.10	**UFR1300-C-10-U**	32	**246.60**
12"	12.75	-	-	-	13.20	**UFR1300-C-12-U**	32	**263.26**
14"	14.00	**UFR1300-S-14-U**	9	**$ 1003.81**	15.30	**UFR1300-C-14-U**	9	**561.37**
16"	16.00	**UFR1300-S-16-U**	9	**1065.75**	17.40	**UFR1300-C-16-U**	9	**620.11**
18"	18.00	**UFR1300-S-18-U**	7	**1238.24**	19.50	**UFR1300-C-18-U**	7	**867.41**
20"	20.00	**UFR1300-S-20-U**	7	**1502.10**	21.60	**UFR1300-C-20-U**	7	**1190.14**
24"	24.00	**UFR1300-S-24-U**	7	**1757.73**	25.80	**UFR1300-C-24-U**	7	**1463.42**
30"	30.00	**UFR1300-S-30-U**	4	**2376.94**	32.00	**UFR1300-C-30-U**	4	**2376.96**
36"	36.00	**UFR1300-S-36-U**	4	**2852.33**	38.30	**UFR1300-C-36-U**	4	**2852.33**
42"	42.00	**UFR1300-S-42-U**	-	**P.O.A.**	44.50	**UFR1300-C-42-U**	-	**P.O.A.**
48"	48.00	**UFR1300-S-48-U**	-	**P.O.A.**	50.80	**UFR1300-C-48-U**	-	**P.O.A.**

Note: 4" through 12" sizes shipped individually packaged and shrink-wrapped. 14" through 48" items are non-returnable and may be subject to a cancellation fee.

UFR1500 RESTRAINT GLAND JOINT RESTRAINT FOR HDPE PIPE



IMPORTED PRODUCTS

Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	No. of Segments	Approx. Weight Lbs.	Pressure Rating								Pallet Qty.	List Price
					C900			C909		ASTM D2241		D3040		
					DR-14	DR-18	DR-25	PC-235	PC-165	SDR-21	SDR-26	*DR35		
3"	3.50	**UFR1500-3-I**	2	8.3	-	-	-	-	-	200	160	-	80	**$ 53.72**
4"	4.22-4.80	**UFR1500-4-I**	2	8.1	305	235	165	-	-	200	160	46	80	**57.76**
6"	6.28-6.90	**UFR1500-6-I**	3	11.5	305	235	165	235	-	200	160	46	45	**70.17**
8"	8.40-9.05	**UFR1500-8-I**	4	15.0	305	235	165	235	-	200	160	46	35	**103.74**
10"	10.50-11.10	**UFR1500-10-I**	8	27.0	305	235	165	235	-	200	160	46	25	**196.08**
12"	12.50-13.20	**UFR1500-12-I**	8	29.7	305	235	165	235	-	200	160	46	20	**206.50**
14"	15.30	**UFR1500-C-14-I**	10	47.4	-	235	165	-	-	-	-	-	10	**340.55**
16"	17.40	**UFR1500-C-16-I**	12	60.9	-	235	165	-	165	-	-	-	10	**458.02**
18"	19.50	**UFR1500-C-18-I**	12	77.4	-	235	165	-	-	-	-	-	10	**568.49**
20"	21.60	**UFR1500-C-20-I**	14	89.8	-	235	165	-	-	-	-	-	10	**704.41**
24"	25.80	**UFR1500-C-24-I**	16	126.2	-	235	165	-	-	-	-	-	10	**813.53**
30"	32.00	**UFR1500-C-30-I**	20	136.9	-	-	165	-	-	-	-	-	5	**2157.55**
36"	38.30	**UFR1500-C-36-I**	24	187.2	-	-	165	-	-	-	-	-	5	**2705.48**

* Sewer applications require NBR (Buna-N) SO-EZ gaskets. Contact factory for details.

Note: UFR1500's are bundled in quantities of five. 30" and 36" sizes are shipped with Uni-seal gaskets.

DOMESTIC PRODUCTS

Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	No. of Segments	Approx. Weight Lbs.	Pressure Rating								Pallet Qty.	List Price
					C900			**C909		ASTM D2241		D3040		
					DR-14	DR-18	DR-25	PC-235	PC-165	SDR-21	SDR-26	*DR35		
3"	3.50	**UFR1500-3-U**	2	9.1	-	-	-	-	-	200	160	-	80	**$ 64.91**
4"	4.22-4.80	**UFR1500-4-U**	2	8.2	305	235	165	-	-	200	160	46	80	**70.01**
6"	6.28-6.90	**UFR1500-6-U**	3	11.5	305	235	165	235	-	200	160	46	45	**84.83**
8"	8.40-9.05	**UFR1500-8-U**	4	17.4	305	235	165	235	-	200	160	46	35	**125.54**
10"	10.50-11.10	**UFR1500-10-U**	8	25.7	305	235	165	235	-	200	160	46	25	**237.41**
12"	12.50-13.20	**UFR1500-12-U**	8	29.7	305	235	165	235	-	200	160	46	20	**249.49**
14"	15.30	**UFR1500-C-14-U**	10	46.3	-	235	165	-	-	-	-	-	10	**424.55**
16"	17.40	**UFR1500-C-16-U**	12	59.8	-	235	165	-	165	-	-	-	10	**570.42**
18"	19.50	**UFR1500-C-18-U**	12	77.4	-	235	165	-	-	-	-	-	10	**707.54**
20"	21.60	**UFR1500-C-20-U**	14	88.3	-	235	165	-	-	-	-	-	10	**877.14**
24"	25.80	**UFR1500-C-24-U**	16	126.2	-	235	165	-	-	-	-	-	10	**1012.34**
30"	32.00	**UFR1500-C-30-U**	20	136.9	-	-	165	-	-	-	-	-	5	**2535.29**
36"	38.30	**UFR1500-C-36-U**	24	187.2	-	-	165	-	-	-	-	-	5	**3159.03**

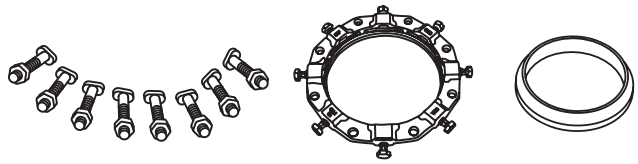
* Sewer applications require NBR (Buna-N) SO-EZ gaskets. Contact factory for details.

** Suitable for use on C909 through 16".

Note: Ford recommends the use of a properly sized insert stiffener when using UFR1500 on HDPE.

UFR1500 RESTRAINT GLAND FOR HDPE PIPE WITH ACCESSORIES

IMPORTED PRODUCTS



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	No. of Segments	Approx. Weight Lbs.	Pressure Rating					Pallet Qty.	List Price
					C900			C909			
					DR-14	DR-18	DR-25	PC-235	PC-165		
4"	4.80	**UFR1500-CA-4-I**	2	12.2	305	235	165	-	-	27	**$ 85.30**
6"	6.90	**UFR1500-CA-6-I**	3	16.5	305	235	165	235	-	40	**106.76**
8"	9.05	**UFR1500-CA-8-I**	4	21.9	305	235	165	235	-	40	**144.05**
10"	11.10	**UFR1500-CA-10-I**	8	33.0	305	235	165	235	-	40	**250.82**
12"	13.20	**UFR1500-CA-12-I**	8	37.3	305	235	165	235	-	40	**263.25**
14"	15.30	**UFR1500-CA-14-I**	10	56.1	-	235	165	-	-	10	**414.77**
16"	17.40	**UFR1500-CA-16-I**	12	71.4	-	235	165	-	165	10	**542.33**
18"	19.50	**UFR1500-CA-18-I**	12	89.2	-	235	165	-	-	10	**658.43**
20"	21.60	**UFR1500-CA-20-I**	14	101.9	-	235	165	-	-	10	**806.22**
24"	25.80	**UFR1500-CA-24-I**	16	140.6	-	235	165	-	-	10	**933.78**
30"	32.00	**UFR1500-CA-30-I**	20	178.9	-	-	165	-	-	5	**2470.53**
36"	38.30	**UFR1500-CA-36-I**	24	237.7	-	-	165	-	-	5	**3013.96**

PACKAGE CONTAINS

1 - Series 1500 restraint gland
1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
1 - MJ gasket (AWWA C111)

DOMESTIC PRODUCTS

Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	No. of Segments	Approx. Weight Lbs.	Pressure Rating					Pallet Qty.	List Price
					C900			C909			
					DR-14	DR-18	DR-25	PC-235	PC-165		
4"	4.80	**UFR1500-CA-4-U**	2	12.3	305	235	165	-	-	27	**$ 103.87**
6"	6.90	**UFR1500-CA-6-U**	3	17.5	305	235	165	235	-	40	**131.38**
8"	9.05	**UFR1500-CA-8-U**	4	24.1	305	235	165	235	-	40	**177.41**
10"	11.10	**UFR1500-CA-10-U**	8	33.0	305	235	165	235	-	40	**305.85**
12"	13.20	**UFR1500-CA-12-U**	8	37.3	305	235	165	235	-	40	**321.84**
14"	15.30	**UFR1500-CA-14-U**	10	56.1	-	235	165	-	165	10	**516.76**
16"	17.40	**UFR1500-CA-16-U**	12	71.4	-	235	165	-	165	10	**675.75**
18"	19.50	**UFR1500-CA-18-U**	12	89.2	-	235	165	-	165	10	**816.36**
20"	21.60	**UFR1500-CA-20-U**	14	102.3	-	235	165	-	-	10	**1000.32**
24"	25.80	**UFR1500-CA-24-U**	16	140.6	-	235	165	-	-	10	**1159.60**
30"	32.00	**UFR1500-CA-30-U**	20	178.9	-	-	165	-	-	5	**2890.65**
36"	38.30	**UFR1500-CA-36-U**	24	237.7	-	-	165	-	-	5	**3524.21**

** Suitable for use on C909 through 16".

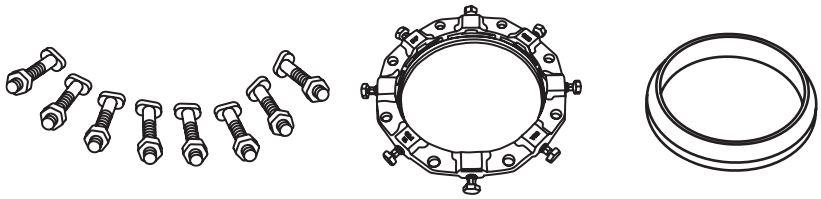
PACKAGE CONTAINS

1 - Series 1500 restraint gland
1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
1 - MJ gasket (AWWA C111)

Note: Ford recommends the use of a properly sized insert stiffener when using UFR1500 on HDPE.

UFR1500 RESTRAINT GLAND FOR HDPE PIPE WITH ACCESSORIES

IMPORTED PRODUCTS



Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	No. of Segments	Approx. Weight Lbs.	Pressure Rating ASTM D2241		Pallet Qty.	List Price
					SDR-21	SDR-26		
3"	3.50	**UFR1500-SA-3-I**	2	10.6	200	160	27	**$ 79.25**
4"	4.50	**UFR1500-SA-4-I**	2	12.4	200	160	27	**85.30**
6"	6.63	**UFR1500-SA-6-I**	3	17.1	200	160	40	**106.76**
8"	8.63	**UFR1500-SA-8-I**	4	23.4	200	160	40	**144.05**
10"	10.75	**UFR1500-SA-10-I**	8	33.0	200	160	40	**250.82**
12"	12.75	**UFR1500-SA-12-I**	8	37.3	200	160	40	**263.25**

PACKAGE CONTAINS

1 - Series 1500 restraint gland
1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
1 - MJ transition gasket

DOMESTIC PRODUCTS

Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	No. of Segments	Approx. Weight Lbs.	Pressure Rating ASTM D2241		Pallet Qty.	List Price
					SDR-21	SDR-26		
3"	3.50	**UFR1500-SA-3-U**	2	10.6	200	160	27	**$ 96.49**
4"	4.50	**UFR1500-SA-4-U**	2	14.2	200	160	27	**103.87**
6"	6.63	**UFR1500-SA-6-U**	3	20.1	200	160	40	**131.38**
8"	8.63	**UFR1500-SA-8-U**	4	24.3	200	160	40	**177.41**
10"	10.75	**UFR1500-SA-10-U**	8	33.0	200	160	40	**305.85**
12"	12.75	**UFR1500-SA-12-U**	8	37.3	200	160	40	**321.84**

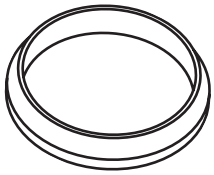
PACKAGE CONTAINS

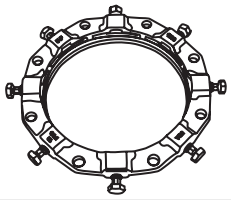
1 - Series 1500 restraint gland
1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
1 - MJ transition gasket

Note: Ford recommends the use of a properly sized insert stiffener when using UFR1500 on HDPE.

UFR1500 RESTRAINT GLAND FOR HDPE PIPE WITH SO-EZ GASKET AND ACCESSORIES

IMPORTED PRODUCTS





Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	No. of Segments	Approx. Weight Lbs.	Pressure Rating							Pallet Qty.	List Price
					C900			C909	ASTM D2241		D3040		
					DR-14	DR-18	DR-25	PC-235	SDR-21	SDR-26	DR35		
3"	3.50	**UFR1500-ZA-3-I**	2	10.6	-	-	-	-	200	160	-	27	**$ 81.89**
4"	4.22-4.80	**UFR1500-ZA-4-I**	2	12.4	305	235	165	-	200	160	46	27	**91.93**
6"	6.28-6.90	**UFR1500-ZA-6-I**	3	16.9	305	235	165	235	200	160	46	40	**114.81**
8"	8.40-9.05	**UFR1500-ZA-8-I**	4	23.5	305	235	165	235	200	160	46	40	**152.27**
10"	10.50-11.10	**UFR1500-ZA-10-I**	8	33.0	305	235	165	235	200	160	46	40	**262.86**
12"	12.50-13.20	**UFR1500-ZA-12-I**	8	37.6	305	235	165	235	200	160	46	40	**276.63**

* Sewer applications require NBR (Buna-N) gaskets. Contact factory for details.

PACKAGE CONTAINS

1 - Series 1500 restraint gland
1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
1 - SO-EZ gasket

DOMESTIC PRODUCTS

Nom. Pipe Size	Pipe O.D. (Inches)	Catalog Number	No. of Segments	Approx. Weight Lbs.	Pressure Rating							Pallet Qty.	List Price
					C900			C909	ASTM D2241		D3040		
					DR-14	DR-18	DR-25	PC-235	SDR-21	SDR-26	DR-35		
3"	3.50	**UFR1500-ZA-3-U**	2	10.6	-	-	-	-	200	160	46	27	**$ 97.62**
4"	4.22-4.80	**UFR1500-ZA-4-U**	2	12.5	305	235	165	235	200	160	46	27	**109.74**
6"	6.28-6.90	**UFR1500-ZA-6-U**	3	18.1	305	235	165	235	200	160	46	40	**136.61**
8"	8.40-9.05	**UFR1500-ZA-8-U**	4	24.6	305	235	165	235	200	160	46	40	**183.86**
10"	10.50-11.10	**UFR1500-ZA-10-U**	8	33.0	305	235	165	235	200	160	46	40	**316.35**
12"	12.50-13.20	**UFR1500-ZA-12-U**	8	37.6	305	235	165	235	200	160	46	40	**337.69**

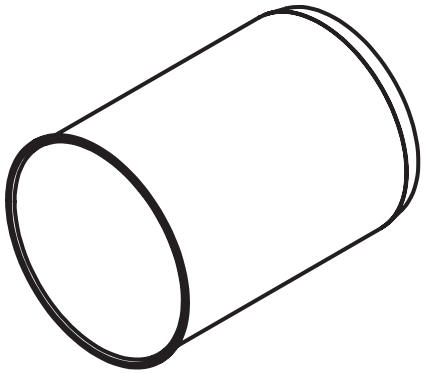
* Sewer applications require NBR (Buna-N) gaskets. Contact factory for details.

PACKAGE CONTAINS

1 - Series 1500 restraint gland
1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
1 - SO-EZ gasket

Note: Ford recommends the use of a properly sized insert stiffener when using UFR1500 on HDPE.

STAINLESS STEEL INSERT STIFFENERS FOR HDPE PIPE



Nom. Pipe Size	* Catalog Number	Length	Approx. Wt. Lbs.	List Price
3"	**INSERT-3-xxx**	6"-8"	1.7	**$ 178.18**
4"	**INSERT-4-xxx**	7-3/8"	1.0	**212.05**
6"	**INSERT-6-xxx**		2.1	**148.81**
8"	**INSERT-8-xxx**		2.4	**162.37**
10"	**INSERT-10-xxxx**		3.5	**175.68**
12"	**INSERT-12-xxxx**		4.1	**191.44**
14"	**INSERT-14-xxxx**		5.7	**227.30**
16"	**INSERT-16-xxxx**		6.5	**240.15**
18"	**INSERT-18-xxxx**		7.4	**260.15**
20"	**INSERT-20-xxxx**		8.2	**269.72**
24"	**INSERT-24-xxxx**		9.6	**307.00**
30"	**INSERT-30-xxxx**		20.4	**466.94**
36"	**INSERT-36-xxxx**		25.0	**622.37**

* When ordering, the pipe inside diameter is required. For example, when ordering for an 8" pipe with an I.D. of 7.305", the part number is INSERT-8-731.
Stainless steel insert stiffeners with an OD of 4" or larger will be 7-3/8" in length
Contact factory for sizes larger than 36" or high pressure applications.

INSERTS FOR HDPE NUMBERING SYSTEM

Nominal Pipe Size — Optional 316 SS

INSERT-8-xxxx-Q

Measured Pipe I.D.