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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 55° F and 85° 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 decompress (or spring back) to a cupped shape, keeping consistent force on the components to maintain the gasket compression.

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:

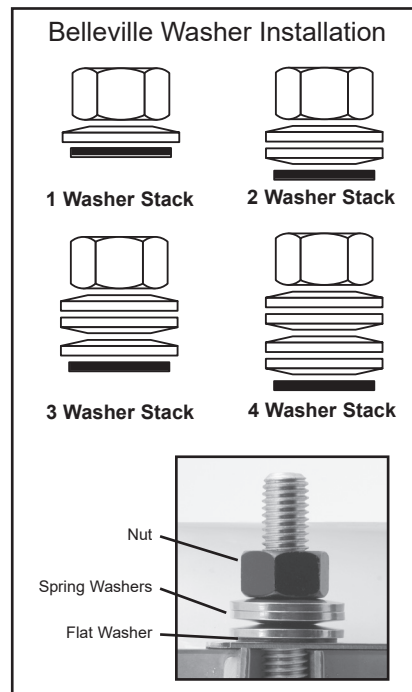
CATALOG SECTION M AND N

All couplings

CATALOG SECTION U

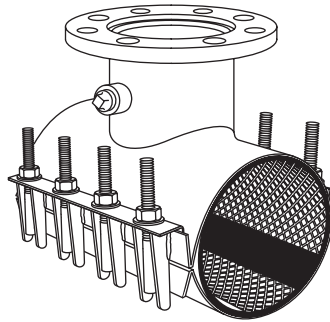
RFAP Restrained Flange Adapter
UFA900 Flange Adapter
UFR1300 Restraint
UFR1500 Restraint

- 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.



Note: Flat washers not included / needed on some HDPE pipe products

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.

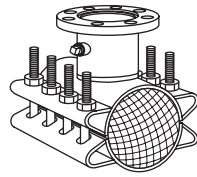
NOM. PIPE SIZE	PIPE O.D. (INCHES)	SLEEVE NUMBER	BY	STAINLESS STEEL SIZE FLANGE CODE	LIST PRICE	OPTIONAL CARBON STEEL FLANGE CODE	LIST PRICE	APPROX. WT. LBS.
4"	4.50 4.80	FASTP-450- FASTP-480-		3	\$ 1453.13	3A	\$ 1103.87	27.0
6"	6.63 6.90	FASTP-663- FASTP-690-		4	1511.49	4A	1144.22	34.1
8"	8.63 9.05	FASTP-863- FASTP-905-		4	1562.52	4A	1160.14	39.3
				6	1730.15	6A	1229.37	42.1
10"	10.75 11.10	FASTP-1075- FASTP-1110-		4	1759.59	4A	1340.52	42.2
				6	1899.26	6A	1431.15	45.7
				8	2440.00	8A	1776.47	69.7
12"	12.75 13.20	FASTP-1275- FASTP-1320-		4	2056.73	4A	1479.00	44.6
				6	2249.08	6A	1580.14	49.0
				8	2759.22	8A	1893.64	69.1
				10	4759.30	10A	3538.43	89.1
14"	14.00 15.30	FASTP-1400- FASTP-1530-		4	3302.23	4A	2752.68	75
				6	3560.63	6A	2831.60	70.7
				8	4487.55	8A	3507.68	102
				10	5979.86	10A	4628.72	114
				12	6946.78	12A	5015.64	146
16"	16.00 17.40	FASTP-1600- FASTP-1740-		4	3361.17	4A	2781.15	75.4
				6	3620.29	6A	2860.01	77.8
				8	4314.38	8A	3323.58	100.1
				10	6668.64	10A	5294.93	114
				12	7668.49	12A	5725.18	150
18"	18.00 19.50	FASTP-1800- FASTP-1950-		4	3554.29	4A	2970.09	82.0
				6	3813.90	6A	3049.14	90
				8	4584.95	8A	3586.42	106
				10	7355.64	10A	5972.28	120
				12	8447.68	12A	6494.30	160
20"	20.00 21.60	FASTP-2000- FASTP-2160-		4	5017.77	4A	4397.80	87.6
				6	5276.98	6A	4477.80	92
				8	6418.32	8A	5373.44	114
				10	8101.99	10A	6663.82	125.2
				12	9193.96	12A	7186.19	162
24"	24.00 25.80	FASTP-2400- FASTP-2580-		4	5192.49	4A	4560.78	97
				6	5451.51	6A	4639.45	103
				8	6611.89	8A	5552.85	116.6
				10	8314.00	10A	6860.05	136
				12	9411.79	12A	7382.30	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.

HDPE

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	1557.24	4A	1361.13	42
				6	1679.15	6A	1475.13	52.0
10"	10.75 11.10	FTSSP-1075- FTSSP-1110-		4	1852.53	4A	1582.83	47
				6	1867.49	6A	1589.14	55.8
				8	2475.01	8A	2200.93	79.3
12"	12.75 13.20	FTSSP-1275- FTSSP-1320-		4	1927.62	4A	1802.79	57.6
				6	1964.19	6A	1841.53	59.5
				8	2707.83	8A	2405.61	86
				10	4106.41	10A	3590.98	104
14"	14.00 15.30	FTSSP-1400- FTSSP-1530-		4	2577.99	4A	2444.61	75
				6	2848.82	6A	2608.02	82
				8	3509.40	8A	3068.84	102
				10	4144.07	10A	3708.64	110
				12	4657.87	12A	4594.77	146
16"	16.00 17.40	FTSSP-1600- FTSSP-1740-		4	2867.84	4A	2608.02	83.0
				6	2883.42	6A	2828.23	84
				8	3621.00	8A	3248.37	83.6
				10	4183.91	10A	3841.25	115.5
				12	4965.33	12A	4819.73	150.1
				14	P.O.A.	14A	P.O.A.	188
18"	18.00 19.50	FTSSP-1800- FTSSP-1950-		4	3208.32	4A	3098.28	82.1
				6	3294.89	6A	3196.41	90
				8	4296.13	8A	3868.17	112
				10	4764.21	10A	4465.91	120
				12	5683.37	12A	5501.28	152.1
				14	P.O.A.	14A	P.O.A.	320.1
				16	P.O.A.	16A	P.O.A.	200
20"	20.00 21.60	FTSSP-2000- FTSSP-2160-		4	3220.03	4A	3177.78	86
				6	3312.45	6A	3283.90	92
				8	4364.61	8A	3941.41	114
				10	4841.12	10A	4597.85	129.1
				12	5769.39	12A	5642.86	162
				14	P.O.A.	14A	P.O.A.	195
				16	P.O.A.	16A	P.O.A.	205
				18	P.O.A.	18A	P.O.A.	215
24"	24.00 25.80	FTSSP-2400- FTSSP-2580-		4	3365.22	4A	3244.35	98.8
				6	3590.05	6A	3389.74	103
				8	4519.84	8A	3990.56	127
				10	5041.30	10A	4714.72	136
				12	6167.86	12A	5698.10	178
				14	P.O.A.	14A	P.O.A.	199
				16	P.O.A.	16A	P.O.A.	210
				18	P.O.A.	18A	P.O.A.	224
				20	P.O.A.	20A	P.O.A.	230
30"-36"								
42"-48"								

Contact factory for information.

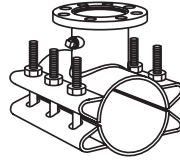
To Order: Select the catalog sleeve number for the desired range and complete the catalog number by adding the flange code.

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	Stainless Steel Bolts	Optional Low Alloy Bolts
								-SH		-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
10"	10.75 11.10	FTSP-1075- FTSP-1110-	FTSCP-1075- FTSCP-1110-		6	83.9	1166.62	1335.87	1512.13	1419.69
					4	82.2	1265.27	1434.55	1602.55	1510.12
					6	89.5	1468.79	1638.01	1829.58	1737.13
12"	12.75 13.20	FTSP-1275- FTSP-1320-	FTSCP-1275- FTSCP-1320-		8	128.3	1775.56	2001.26	2210.75	2087.54
					4	89.8	1364.32	1522.56	1667.52	1575.07
					6	97.2	1451.76	1610.02	1811.40	1718.96
14"	14.00 15.30	FTSP-1400- FTSP-1530-	FTSCP-1400- FTSCP-1530-		8	144.2	1759.26	1970.25	2237.92	2114.69
					10	169	2119.20	2382.96	2698.36	2544.37
					4	99	1486.13	1630.00	1838.30	1745.86
16"	16.00 17.40	FTSP-1600- FTSP-1740-	FTSCP-1600- FTSCP-1740-		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
18"	18.00 19.50	FTSP-1800- FTSP-1950-	FTSCP-1800- FTSCP-1950-		12	230	2907.38	3247.25	3669.60	3484.79
					4	99	1454.22	1745.23	1891.34	1798.90
					6	105	1671.69	1826.96	2042.84	1950.42
20"	20.00 21.60	FTSP-2000- FTSP-2160-	FTSCP-2000- FTSCP-2160-		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
24"	24.00 25.80	FTSP-2400- FTSP-2580-	FTSCP-2400- FTSCP-2580-		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
30"	30.00 32.00	FTSP-3000- FTSP-3200-	FTSCP-3000- FTSCP-3200-		10	225.6	2941.53	3223.68	3853.97	3699.96
					12	256	3397.27	3737.18	4348.35	4163.55
					4	114	1878.80	2117.42	2287.84	2195.39
36"	36.00 38.00	FTSP-3600- FTSP-3800-	FTSCP-3600- FTSCP-3800-		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
42"	42.00 44.00	FTSP-4200- FTSP-4400-	FTSCP-4200- FTSCP-4400-		12	256	3515.16	3855.12	4647.66	4462.84
					4	122	1962.04	2132.52	2352.25	2259.81
					6	128	2140.08	2314.35	2556.77	2464.30
48"	48.00 50.00	FTSP-4800- FTSP-5000-	FTSCP-4800- FTSCP-5000-		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
60"	60.00 62.00	FTSP-6000- FTSP-6200-	FTSCP-6000- FTSCP-6200-		16	412	5079.01	5589.54	6252.03	6005.63
					4	122	2094.63	2321.97	2522.65	2144.65
					6	128	2314.35	2515.30	2742.36	2649.93
72"	72.00 74.00	FTSP-7200- FTSP-7400-	FTSCP-7200- FTSCP-7400-		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
84"	84.00 86.00	FTSP-8400- FTSP-8600-	FTSCP-8400- FTSCP-8600-		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

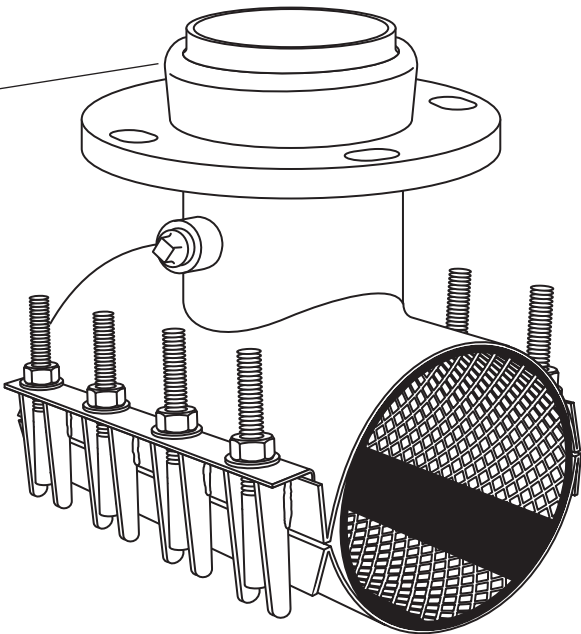
Note: A 1" undersized cutter is required for flanges 14" and larger. Oversized outlets are available by special request P.O.A.

HDPE

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.



HDPE

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.

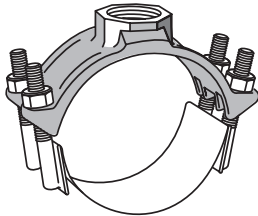
* These outlet sizes not available on the FASTP style.

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)

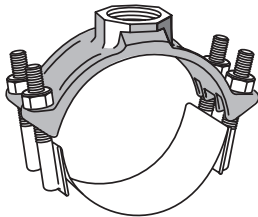


NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	LIST PRICE 3/4" AND 1" TAPS	CTN. QTY.	LIST PRICE 1-1/4" - 2-1/2" TAPS	CTN. QTY.	APPROX. WT. LBS.
4"	*4.50 4.80	FCP202-450-Tap FCP202-480-Tap	\$ 187.93	6	\$ 204.11	6	7.0
6"	6.63 6.90	FCP202-663-Tap FCP202-690-Tap	212.70	4	226.81	4	8.1
8"	8.63 9.05	FCP202-863-Tap 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 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

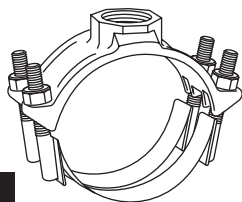
Note: Saddles are assembled with Belleville Spring Tensioning Washers under the saddle nuts.

* 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)



HDPE

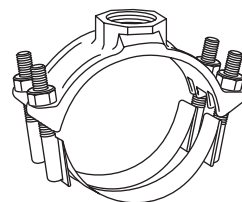
NOM PIPE SIZE (IN.)	PIPE O.D. RANGE (IN.)	CATALOG NUMBER	LIST PRICE 3/4" & 1" TAPS	CTN. QTY.	LIST PRICE 1-1/4" - 2-1/2" TAPS	CTN. QTY.	APPROX WT. LBS.
3	* 3.50	FCDP202-350-TAP	\$ 164.57	6	\$ 178.31	6	5.4
4	** 4.50	FCDP202-450-TAP	209.66	6	237.69	6	5.4
	4.80	FCDP202-480-TAP	209.66	6	237.69	6	5.4
6	6.63	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.

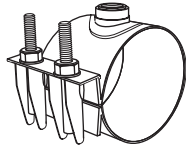
OUTLET THREAD TAP CODE

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")

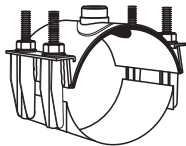
FS313 SINGLE BAND

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
	FS313-640-Tap	6.00 - 6.40	5/8"	1	6"	7-1/2"				
6"	FS313-680-Tap	6.40 - 6.80	5/8"	1	6"	7-1/2"	180.91	258.33	4.3	5.5
	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"				
10"	FS313-940-Tap	9.00 - 9.40	5/8"	1	6"	7-1/2"	223.68	283.77	5.9	6.9
	FS313-1040-Tap	10.00 - 10.40	5/8"	1	6"	7-1/2"				
	FS313-1110-Tap	10.75 - 11.10	5/8"	1	6"	7-1/2"				
12"	FS313-1150-Tap	11.10 - 11.50	5/8"	1	6"	7-1/2"	228.75	298.67	6.8	5.5
	FS313-1240-Tap	12.00 - 12.40	5/8"	1	6"	7-1/2"				
	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"				



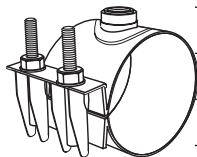
FS323 DOUBLE BAND

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



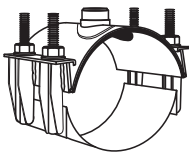
FSP313 SINGLE BAND (with Belleville washers)

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"				

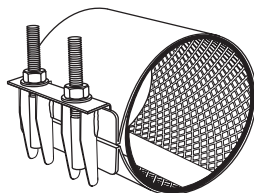
Note: Coined outlet not available on 2" and 3" saddles.

* 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.

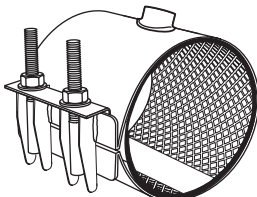
** 12.5" long clamps in the 10" and 12" nominal pipe size have four studs.

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.

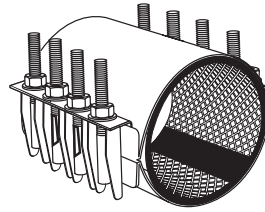
To Order: 1. Select the proper code from table to match desired size and type of thread.
2. Add code to catalog number of repair clamp.

Example: The number for an FSP1-690-125 with a 3/4" CC tap is FSP1-690-125-CC3.

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.

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.

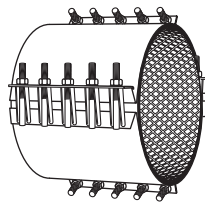
Example: FSP2-905-75-CS. Lengths 7.5" through 10" add \$ 11.98. Lengths 12.5" and up add \$ 20.94.

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.

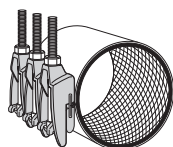
Tapped repair clamp codes and prices are on page HDPE-9.

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	FP1-238-Length	\$ 143.80	\$ 181.97	\$ 211.05	\$ 262.07	-	-
	2.50	FP1-250-Length	7 lbs.	9 lbs.	12 lbs.	14 lbs.	-	-
3"	3.50	FP1-350-Length	165.22	215.34	242.82	297.06	-	-
			8	10	12	14	-	-
4"	4.50	FP1-450-Length	178.62	244.06	287.56	317.63	\$ 481.35	\$ 728.90
	4.80	FP1-480-Length	11	15	18	22	29	44
6"	6.63	FP1-663-Length	209.78	284.15	337.38	376.89	557.99	822.06
	6.90	FP1-690-Length	13	17	21	25	34	51
8"	8.63	FP1-863-Length	246.54	331.25	396.79	456.30	644.14	922.33
	9.05	FP1-905-Length	15	20	25	29	38	58
10"	10.75	FP1-1075-Length	308.11	417.19	486.28	561.77	749.96	1093.54
	11.10	FP1-1110-Length	16	21	28	31	41	62
12"	12.75	FP1-1275-Length	363.48	476.77	583.76	647.56	941.61	1342.83
	13.20	FP1-1320-Length	18	23	29	35	46	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".

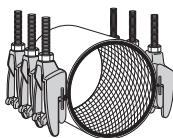
Notes: Tapped repair clamp codes and prices are on page HDPE-12.

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	FP2-450-Length	\$ 295.28	\$ 390.98	\$ 462.16	\$ 559.04	\$ 749.82	\$ 1139.98
	4.80	FP2-480-Length	20 lbs.	27 lbs.	32 lbs.	40 lbs.	53 lbs.	80 lbs.
6"	6.63	FP2-663-Length	334.04	431.31	508.04	631.48	846.89	1278.16
	6.90	FP2-690-Length	22	29	36	43	57	86
8"	8.63	FP2-863-Length	373.83	472.67	556.89	706.32	963.61	1436.36
	9.05	FP2-905-Length	23	29	38	46	61	92
10"	10.75	FP2-1075-Length	404.90	487.70	558.15	692.59	926.78	1414.55
	11.10	FP2-1110-Length	24	30	42	46	69	98
12"	12.75	FP2-1275-Length	481.41	601.46	678.37	859.79	1171.98	1751.34
	13.20	FP2-1320-Length	27	30	44	47	70	100
14"	14.00	FP2-1400-Length	-	778.03	-	1172.29	1587.66	2400.03
	15.30	FP2-1530-Length	-	31	-	49	71	101
16"	16.00	FP2-1600-Length	-	855.66	-	1236.43	1619.18	2527.48
	17.40	FP2-1740-Length	-	32	-	50	72	104
18"	18.00	FP2-1800-Length	-	898.42	-	1297.61	1755.60	2653.97
	19.50	FP2-1950-Length	-	33	-	53	74	105
20"	20.00	FP2-2000-Length	-	931.11	-	1344.77	1850.46	2797.61
	21.60	FP2-2160-Length	-	35	-	54	75	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.

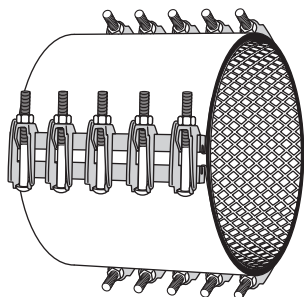
Optional **electric conductivity strips** are available, add "-CS" to catalog number. Example: FP2-905-75-CS. Lengths 7.5" through 10" add \$ 11.98. Lengths 12.5" and up add \$ 20.94.

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

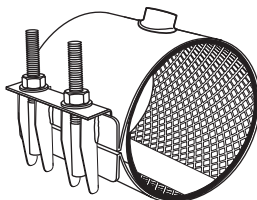
Length of 10" add \$ 11.98. Lengths 12.5" and up add \$ 20.94.

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

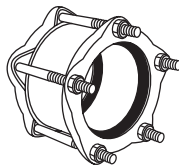
SIZE	CODE NUMBER	MIN. CLAMP SIZE			ADD ON LIST PRICE
		FP1 OR FSP1	FP2	FSP2	
3/4"	IP3	2.63	5.60	5.24	\$ 92.86
1"	IP4	2.63	5.60	5.24	92.86
1-1/4"	*IP5	3.70	5.60	5.24	119.87
1-1/2"	IP6	3.70	5.60	5.24	119.87
2"	IP7	4.00	5.60	5.57	133.09

* 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.

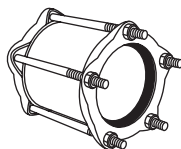
Example: The number for an FSP1-690-125 with a 3/4" CC tap is FSP1-690-125-CC3.

FORD DUCTILE IRON COUPLINGS STYLE FC1 FOR HDPE PIPE



NOM. PIPE SIZE	GASKET RING 1ST HALF CAT. No.	END RING COLOR	BY	GASKET RING 2ND HALF CAT. No.	END RING COLOR	CENTER SLEEVE LENGTH	No. OF BOLTS	APPROX. WT. LBS.	STANDARD CATALOG NUMBER	STANDARD COUPLING	LIST PRICE	
											*OPTIONAL FEATURE CODES	
											STAINLESS STEEL BOLTS -X	EPOXY COAT AND S.S. BOLTS -Y
2"	2.34-2.63	Red	X	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	X	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	X	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	X	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	X	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	X	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 RING 1ST HALF CAT. No.	END RING COLOR	BY	GASKET RING 2ND HALF CAT. No.	END RING COLOR	CENTER SLEEVE LENGTH	No. OF BOLTS	APPROX. WT. LBS.	STANDARD CATALOG NUMBER	STANDARD COUPLING	LIST PRICE	
											*OPTIONAL FEATURE CODES	
											STAINLESS STEEL BOLTS -X	EPOXY COAT AND S.S. BOLTS -Y
4"	4.00 4.50-4.80 4.50-4.80	Red Red Red	X	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	X	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.

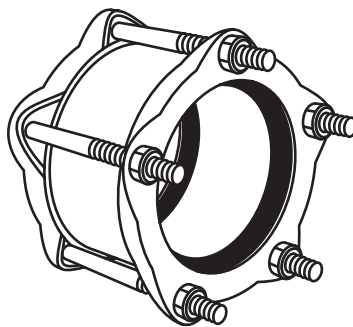
Example: To connect 6.63 O.D. PVC pipe to 7.10 O.D. pipe use catalog number FC1-690-720; for 12" long sleeve FC1-690-720-L12.

***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.

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.	STANDARD COUPLING	LIST PRICE	
										*OPTIONAL FEATURE CODES	
										STAINLESS STEEL BOLTS -X	EPOXY COAT AND S.S. BOLTS -Y
2"	2.30-2.45 2.40-2.65	Black Black	X	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	X	2.65-2.88	Black						
3"	3.45-3.60 3.70-3.88	Red Black	X	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	X	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	X	5.15-5.57	White/Gray						
6"	6.63 6.90-7.20	Red Black	X	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	X	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	X	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	X	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	X	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	X	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	X	19.50-20.00	Black	7"	11	111	1696.50	2047.23	2540.64
20"	21.60-22.06	Black	X	21.60-22.06	Black	7"	12	125	2034.54	2417.16	2937.84
24"	25.80-26.32	Black	X	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.

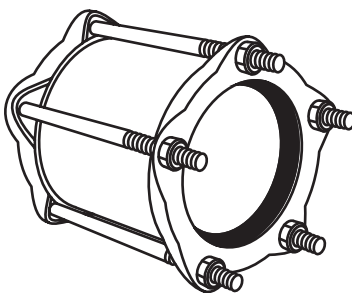
Example: FC2A-690-720-Y is an FC2A coupling with epoxy coating and stainless steel nuts and bolts.

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



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	X	4.50 4.80-5.14	Red Black	12"	3	34	\$ 360.22	\$ 481.35	\$ 629.32
5"	5.15-5.57 6.63	White/Gray Red	X	5.15-5.57 6.63	White/Gray Red	12"	3	34	360.22	481.35	629.32
6"	6.90-7.20 8.63	Red Black	X	6.90-7.20 8.63	Red Black	12"	4	48	449.03	610.47	819.36
8"	9.05-9.40 10.75	Red Black	X	9.05-9.40 10.75	Red Black	12"	5	63	573.37	775.18	984.09
10"	11.10-11.40 12.75	Red Black	X	11.10-11.40 12.75	Red Black	12"	6	83	793.18	1035.39	1396.60
12"	13.20-13.50 14.03-14.38	Black Black	X	13.20-13.50 14.03-14.38	Black Black	12"	7	106	927.76	1210.31	1671.66
14"	13.69-14.04 14.03-14.38	White/Gray White/Gray	X	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.

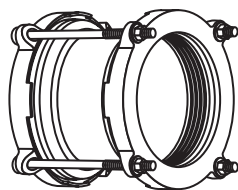
***Options:** **X** Standard coated coupling with stainless steel nuts and bolts; add "-X" to the catalog number.

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

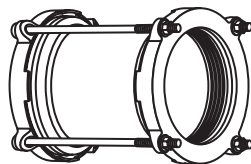
NOM. PIPE SIZE	RANGE (INCHES)	RANGE (MM)	CATALOG NUMBER	NUMBER OF BOLTS	SLEEVE LENGTH	APPROX. WT. LBS.	LIST PRICE	
							STANDARD CPLG. INCLUDES EPOXY	STAINLESS STEEL BOLT OPTION *-X
3"	2.50-4.29	63.5-109.0	FC2W-3	3	7"	26.7	\$ 288.32	\$ 393.39
4"	3.96-5.60	100.6-142.2	FC2W-4	4	7"	34.2	311.07	457.46
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

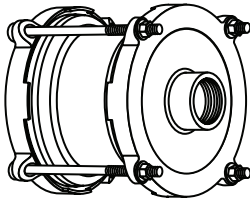
Epoxy coating and NBR (Buna-N) Gaskets are standard with FC2W couplings.

* 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



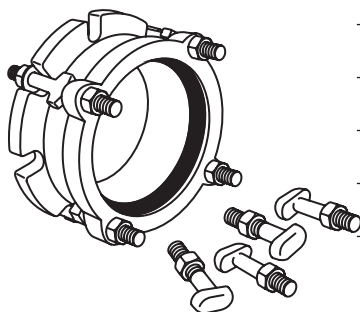
NOM. PIPE SIZE	PIPE O.D. RANGE (INCHES)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	END CAP ONLY	END CAP WT. LBS.	LIST PRICE
4"	3.96-5.60	FC2W-4-EC	42.6	\$ 465.62	FECW-4	9	\$ 164.16
6"	6.23-7.60	FC2W-6-EC	57.3	607.49	FECW-6	13	180.50
8"	8.40-9.75	FC2W-8-EC	74.6	745.69	FECW-8	23	241.91
10"	10.77-12.12	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)

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

HDPE

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	\$ xx.xx
4"	4.45-4.60 4.70-4.91	Red Black	FFCA-460 FFCA-491	2	21.3 21.2	xx.xx
6"	6.54-6.76 6.81-7.12	Red Black	FFCA-676 FFCA-712	2	31.7 31.4	xx.xx
8"	8.50-8.75 8.76-9.17	Red Black	FFCA-875 FFCA-917	4	43.2 42.6	xx.xx

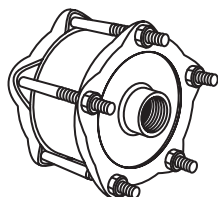
Larger, fabricated steel flanged coupling adapters are available.
Contact factory for additional information.

Note: Optional anchor studs are available at \$xx.xx 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

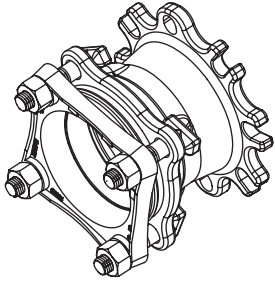


NOM. PIPE SIZE	PIPE O.D. RANGE (INCHES)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	END CAP ONLY (INCLUDES GASKET)		LIST PRICE
					FC1 COUPLING	FC2A COUPLING	
4"	4.50	FEC-450	20.4	\$ xx.xx	FEC1-4	FEC2-4	\$ xx.xx
	4.80-5.14	FEC-514					
	5.15-5.57	FEC-557					
6"	6.63	FEC-663	30.8	xx.xx	FEC1-6	FEC2-6	xx.xx
	6.90-7.20	FEC-720					
8"	8.63	FEC-863	39.1	xx.xx	FEC1-8	FEC2-8	xx.xx
	9.05-9.40	FEC-940					
10"	11.10-11.40	FEC-1140	61.3	xx.xx	FEC1-10	FEC2-10	xx.xx
12"	13.20-13.50	FEC-1350	83.3	xx.xx	FEC1-12	FEC2-12	xx.xx

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.

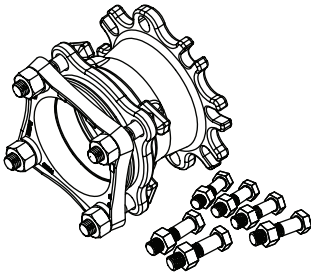
SERIES MJFA FLANGE ADAPTER FOR HDPE PIPE



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

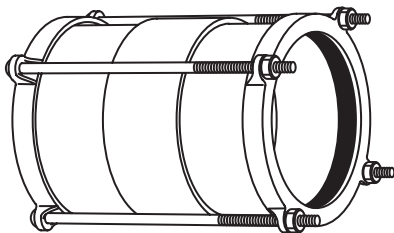
HDPE

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

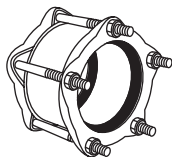
FORD STEEL TRANSITION COUPLING FOR HDPE PIPE (4" through 24")

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: FC23-400-450-05Y has epoxy coating and stainless steel bolts.

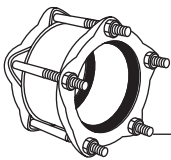
NOM. PIPE SIZE	1ST END GASKET RANGE	2ND END GASKET RANGE	LENGTH OF CTR. SLEEVE	STANDARD CATALOG NUMBER	NO. OF BOLTS	APPRX. WT. LBS.	LIST PRICE		
							STD. CPLG.	*OPTIONAL FEATURE CODES	
								STAINLESS STEEL BOLTS X	EPOXY COAT AND S.S. BOLTS Y
4" & 5"	4.00	4.50	5	FC23-400-450-05R	3	18.5	\$ 250.87	\$ 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 X	EPOXY COAT AND S.S. BOLTS 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.	*OPTIONAL FEATURE CODES	
								STAINLESS STEEL BOLTS	EPOXY COAT AND S.S. BOLTS
								X	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
20"	19.50-20.00	19.50-20.00	10	FC23-2000-2000-10R	11	106.1	1632.53	2019.54	2503.85
	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.

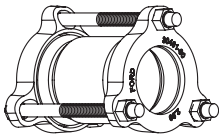
FORD STANDARD STEEL COUPLINGS FOR HDPE PIPE

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
2-1/2"	2.88	.156" x 12"	* FC3-238-12-H	3	5/8" x 15"	8.3	207.72
		.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
	6.90	.250" x 24"	FC3-663-24	6	5/8" x 27"	65.0	891.28
		.250" x 5"	FC3-690-5	6	5/8" x 8"	30.0	455.71
8"	8.63	.250" x 16"	FC3-690-16	6	5/8" x 19"	48.0	898.20
		.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
12"	12.75	.250" x 24"	FC3-863-24	6	5/8" x 27"	72.0	1299.94
		.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.



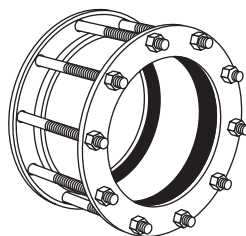
FORD STANDARD STEEL COUPLINGS FOR HDPE PIPE

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.

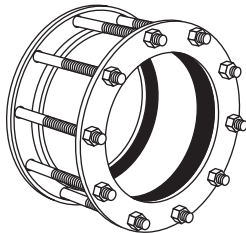
Example: FC4-1400-A05Y has epoxy coating and stainless steel bolts.



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 X	EPOXY COAT AND S.S. BOLTS 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



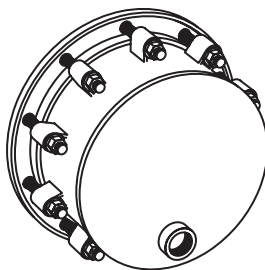
HDPE

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



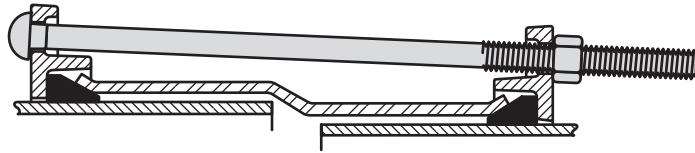
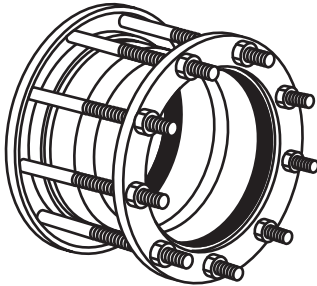
Listed below are common sizes of FC4 couplings with end cap. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact Ford Customer Service for pricing.

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.

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.	LIST PRICE		
								*OPTIONAL FEATURE CODES		
								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
	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

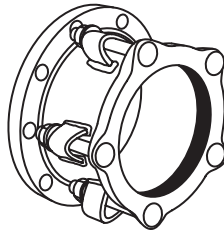
HDPE

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
12"	11.77-12.12	FC6-1212	5"	6	1037.45
	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"-16"	14.04-14.38	FC6-1438	5"	7	1167.79
	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.
	55.00	FC6-5500	5"	24	P.O.A.
54"	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
	4.00	-400-R	7"	3	307.36
4"	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
	6.00	-600-R	7"	4	506.41
6"	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
	8.00	-800-R	7"	5	703.21
8"	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
	10.00	-1000-R	5"	6	946.56
10"	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"-16"	14.04-14.38	-1438-R	7"	7	1167.79
	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
	24.00	-2400-R	7"	14	1743.17
24"	25.80	-2580-R	7"	14	1898.04
	26.32	-2632-R	7"	14	1898.04
	30.00	-3000-R	7"	16	2043.03
30"	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.
	48.00	-4800-R	7"	22	P.O.A.
48"	49.00	-4900-R	7"	22	P.O.A.
	50.80	-5080-R	7"	22	P.O.A.
	55.00	-5500-R	7"	24	P.O.A.
54"	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.

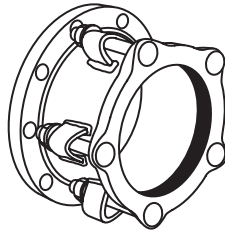
* For stainless steel bolts and epoxy coating options, substitute the "X" or "Y" code for the standard catalog number "R" code. Example: FCA-1400-1530-D4Y has epoxy coating and stainless steel bolts.

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.	LIST PRICE		
								*OPTIONAL FEATURE CODES		
								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
	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)

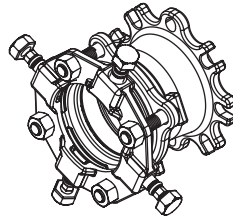


Listed below are common sizes of FCA couplings. If your pipe O.D. is not in the listed ranges, insert the exact O.D. into the code system to create your own catalog number. If you are ordering a special pipe O.D. or an unlisted option, contact Ford Customer Service for pricing.

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.	LIST PRICE		
								*OPTIONAL FEATURE CODES		
								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.

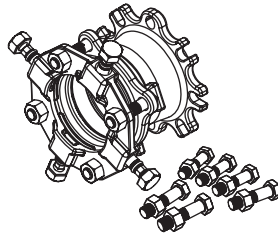
SERIES RFAP RESTRAINED FLANGE ADAPTER FOR CONVERTING PLAIN END PIPE TO A FLANGE CONNECTION

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

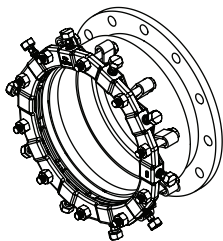
RFAP WITH FLANGE BOLTS FOR HDPE PIPE



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

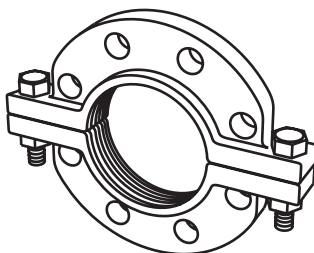


NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER IMPORT RESTRAINTS	LIST PRICE	CATALOG NUMBER DOMESTIC RESTRAINTS	LIST PRICE	APPROX. WT. LBS.
14"	15.30	RFAP-1530-D14R-I	\$ 1935.87	RFAP-1530-D14R-U	\$ 2275.18	155.9
16"	17.40	RFAP-1740-D16R-I	2273.63	RFAP-1740-D16R-U	2672.14	208.0
18"	19.50	RFAP-1950-D18R-I	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

HDPE

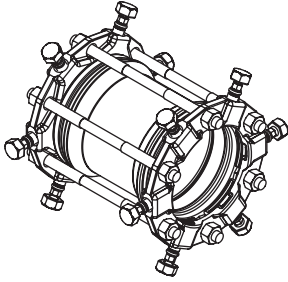
SERIES 900 ADAPTER FLANGE FOR HDPE PIPE FLANGE DRILLING ANSI B16.1 125 LB. / ANSI B16.5 150 LB.

Uni-Flange Series 900 Adapters are furnished with EPDM gaskets.



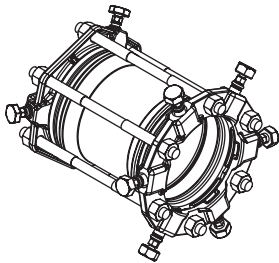
NOM. PIPE SIZE	PVC PIPE WITH STEEL PIPE OD		PVC PIPE WITH DUCTILE IRON PIPE OD		PALLET QUANTITY	APPROX. WT. LBS.	LIST PRICE
	PIPE O.D. (INCHES)	CATALOG NUMBER	PIPE O.D.	CATALOG NUMBER			
4"	4.50	UFA900-S-4	4.80	UFA900-C-4	27	11.5	\$ 132.33
6"	6.63	UFA900-S-6	6.90	UFA900-C-6	30	16.9	167.69
8"	8.63	UFA900-S-8	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

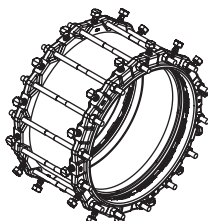
HDPE

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

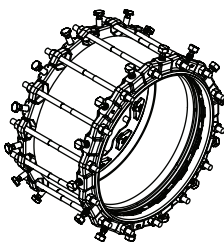
RCPD FOR DUCTILE SIZED HDPE PIPE



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	RCPD-14-I	\$ 1926.88	RCPD-14-U	\$ 2295.53	10	3/4" x 17"	188.6
16"	17.40	RCPD-16-I	2368.31	RCPD-16-U	2825.05	12	3/4" x 17"	229.9
18"	19.50	RCPD-18-I	3059.75	RCPD-18-U	3626.28	12	3/4" x 17"	260.6
20"	21.60	RCPD-20-I	3363.03	RCPD-20-U	4008.48	14	3/4" x 17"	310.7
24"	25.80	RCPD-24-I	4331.01	RCPD-24-U	5735.76	16	3/4" x 17"	352.7
30"	32.00	RCPD-30-I	6229.58	RCPD-30-U	7161.39	20	1" x 20"	517.7
36"	38.30	RCPD-36-I	9973.16	RCPD-36-U	11360.19	24	1" x 20"	-

HDPE

RCDP FOR JOINING DUCTILE IRON PIPE TO DUCTILE SIZED HDPE PIPE



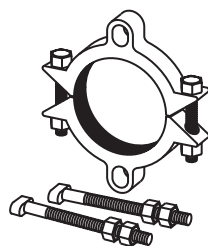
NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER IMPORT RESTRAINTS	LIST PRICE	CATALOG NUMBER DOMESTIC RESTRAINTS	LIST PRICE	RODS		APPROX. WT. LBS.
						QTY.	SIZE	
14"	15.30	RCDP-14-I	\$ 1828.66	RCDP-14-U	\$ 2168.33	10	3/4" x 17"	184.1
16"	17.40	RCDP-16-I	2243.43	RCDP-16-U	2711.78	12	3/4" x 17"	217.2
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

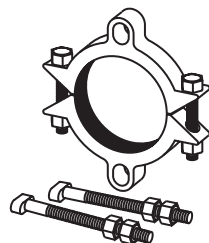
IMPORTED PRODUCTS FOR HDPE PIPE



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.

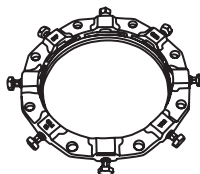
DOMESTIC PRODUCTS FOR HDPE PIPE



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.

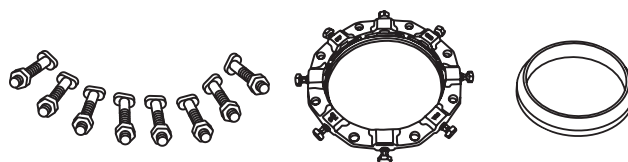
** Suitable for use on C909 through 16".

Note: Ford recommends the use of a properly sized insert stiffener when using UFR1500 on HDPE.

HDPE

UFR1500 RESTRAINT GLAND FOR HDPE PIPE WITH ACCESSORIES

IMPORTED PRODUCTS



NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	No. OF SEGMENTS	APPROX. WEIGHTLBS.	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".

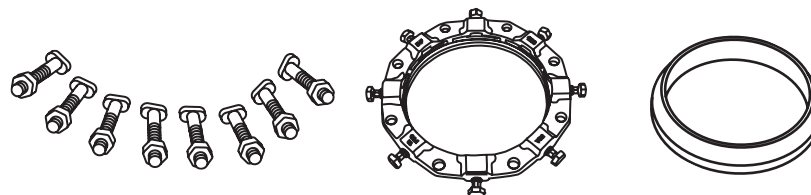
PACKAGE CONTAINS

- 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		PALLET QTY.	LIST PRICE
					ASTM D2241			
					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		PALLET QTY.	LIST PRICE
					ASTM D2241			
					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

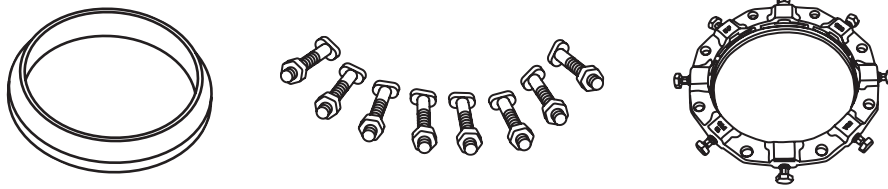
PACKAGE CONTAINS

- 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	DR-35		
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

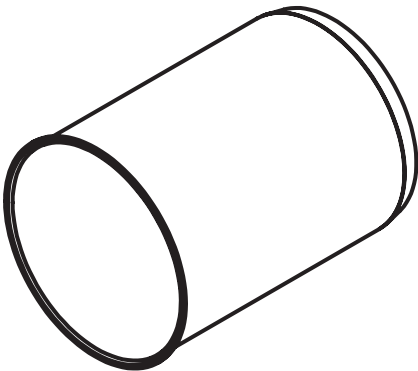
* Sewer applications require NBR (Buna-N) gaskets. Contact factory for details.

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



HDPE

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

