

Ford Steel Couplings

Style FC4 (14" through 60")

The Ford FC4 Steel Coupling is an all steel coupling designed to connect various types of plain end pipe with the same O.D. and is available for pipe sizes up to a maximum nominal diameter of 60 inches. Design and performance characteristics of fabricated steel couplings are specified in AWWA Standard C219-91. The Style FC4 Coupling is available in a variety of center sleeve lengths and thicknesses.

Bolts and Nuts - High strength low alloy steel ASTM A242 and AWWA C-111
 Optional: - Type 304 Stainless Steel
 - Type 316 Stainless Steel
 - Electro-Galvanized Steel

Gaskets - SBR Rubber
 Optional: - Buna-N
 - EPDM

Center Sleeve - ASTM A36
 Carbon Steel

End Rings - AISI 1018-1020
 Cold Rolled or Extruded Carbon Steel

Finish - Black shop coat
 Optional: - Epoxy coating

Caution: Flexible couplings do not restrain axial pipe movement. Unbalanced forces created by internal water pressure or external forces must be restrained.

How to order FC4 couplings:

Our code system is used to designate the part number. Each code determines how the coupling will be manufactured. The coupling center sleeve thickness and length is generally determined by the pipe O.D. and the working pressure. Ford will manufacture FC4 couplings to your specifications using the material and dimensional parameters listed below. **Before ordering a special pipe O.D., make sure your O.D. is not listed in the table on page N-15 or N-16.**

The example shown below is an FC4-5140-B10R. This coupling is made to fit a pipe with an O.D. of 51.40. It is manufactured using a 3/8" by 10" steel center sleeve and standard bolts, and is finished with a standard shop coat. For coupling length, coating and bolt options not listed on the following charts, select the proper Catalog Number to accommodate your pipe O.D. and substitute the desired option codes listed below.

FC4-5140-B 10 R

Product Identification:
Fabricated Steel Coupling

Pipe O.D.

Center Sleeve Thickness
A = 1/4" Steel
B = 3/8" Steel

Coupling Length
05 = 5"
07 = 7"
10 = 10"
12 = 12"
15 = 15"
20 = 20"
24 = 24"

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

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

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Listed below 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 (see the previous page).

NOM. PIPE SIZE	PIPE O.D.	SLEEVE THICKNESS & LENGTH	CATALOG NUMBER	RATED WORKING PRESSURE	NUMBER OF BOLTS	APPROX. WT. LBS.
14"	14.00	1/4" x 5	FC4-1400-A05R	472	9	70
	14.00	1/4" x 7	FC4-1400-A07R	472	9	75
	14.00	1/4" x 10	FC4-1400-A10R	472	9	85
	15.30	1/4" x 5	FC4-1530-A05R	434	9	75
	15.30	1/4" x 7	FC4-1530-A07R	434	9	80
	15.30	3/8" x 7	FC4-1530-B07R	592	9	92
	15.30	1/4" x 10	FC4-1530-A10R	434	9	91
	15.30	3/8" x 10	FC4-1530-B10R	592	9	109
	15.65	3/8" x 7	FC4-1565-B07R	583	9	92
16"	16.00	1/4" x 5	FC4-1600-A05R	416	10	78
	16.00	1/4" x 7	FC4-1600-A07R	416	10	83
	16.00	1/4" x 10	FC4-1600-A10R	416	10	96
	17.40	1/4" x 5	FC4-1740-A05R	385	10	84
	17.40	1/4" x 7	FC4-1740-A07R	385	10	89
	17.40	3/8" x 7	FC4-1740-B07R	567	10	103
	17.40	1/4" x 10	FC4-1740-A10R	385	10	102
	17.40	3/8" x 10	FC4-1740-B10R	567	10	122
	17.80	3/8" x 7	FC4-1780-B07R	540	10	103
18"	17.80	1/4" x 7	FC4-1780-A07R	372	10	92
	18.00	1/4" x 5	FC4-1800-A05R	373	11	89
	18.00	1/4" x 7	FC4-1800-A07R	373	11	94
	18.00	1/4" x 10	FC4-1800-A10R	373	11	107
	18.80	3/8" x 7	FC4-1880-B07R	508	11	112
	18.80	1/4" x 7	FC4-1880-A07R	355	11	100
	19.50	1/4" x 5	FC4-1950-A05R	345	11	94
	19.50	1/4" x 7	FC4-1950-A07R	345	11	99
	19.50	3/8" x 7	FC4-1950-B07R	512	11	115
20"	19.50	1/4" x 10	FC4-1950-A10R	345	11	114
	19.50	3/8" x 10	FC4-1950-B10R	345	11	136
	19.92	3/8" x 7	FC4-1992-B07R	500	11	115
	19.92	1/4" x 7	FC4-1992-A07R	337	11	104
	20.00	1/4" x 7	FC4-2000-A07R	337	12	101
	20.00	1/4" x 10	FC4-2000-A10R	337	12	116
	21.60	1/4" x 7	FC4-2160-A07R	313	12	107
	21.60	3/8" x 7	FC4-2160-B07R	463	12	125
	21.60	1/4" x 10	FC4-2160-A10R	313	12	124
24"	21.60	3/8" x 10	FC4-2160-B10R	463	12	148
	22.06	3/8" x 7	FC4-2206-B07R	456	12	125
	22.06	1/4" x 7	FC4-2206-A07R	307	12	110
	24.00	1/4" x 7	FC4-2400-A07R	283	14	119
	24.00	1/4" x 10	FC4-2400-A10R	283	14	137
	25.80	1/4" x 7	FC4-2580-A07R	264	14	127
	25.80	3/8" x 7	FC4-2580-B07R	392	14	148
	25.80	1/4" x 10	FC4-2580-A10R	264	14	146
	25.80	3/8" x 10	FC4-2580-B10R	392	14	176
24"	26.32	3/8" x 7	FC4-2632-B07R	377	14	148
	26.32	1/4" x 7	FC4-2632-A07R	250	14	135

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Style FC4 (14" through 60") *Continued . . .*

Listed below are common sizes of FC4 couplings.

If your pipe O.D. is not listed, insert the exact O.D. into the code system to create your own catalog number (see page 14).

NOM. PIPE SIZE	PIPE O.D.	SLEEVE THICKNESS & LENGTH	CATALOG NUMBER	RATED WORKING PRESSURE	NUMBER OF BOLTS	APPROX. WT. LBS.
30"	30.00	1/4" x 7	FC4-3000-A07R	246	16	135
	30.00	3/8" x 7	FC4-3000-B07R	361	16	159
	30.00	1/4" x 10	FC4-3000-A10R	246	16	157
	30.00	3/8" x 10	FC4-3000-B10R	361	16	189
	32.00	1/4" x 7	FC4-3200-A07R	230	16	143
	32.00	3/8" x 7	FC4-3200-B07R	343	16	166
	32.00	1/4" x 10	FC4-3200-A10R	230	16	166
	32.00	3/8" x 10	FC4-3200-B10R	343	16	201
36"	36.00	1/4" x 7	FC4-3600-A07R	205	18	158
	36.00	3/8" x 7	FC4-3600-B07R	306	18	190
	36.00	1/4" x 10	FC4-3600-A10R	205	18	186
	36.00	3/8" x 10	FC4-3600-B10R	306	18	229
	38.30	1/4" x 7	FC4-3830-A07R	193	18	166
	38.30	3/8" x 7	FC4-3830-B07R	289	18	226
	38.30	1/4" x 10	FC4-3830-A10R	193	18	196
42"	38.30	3/8" x 10	FC4-3830-B10R	289	18	267
	42.00	3/8" x 7	FC4-4200-B07R	263	20	257
	42.00	3/8" x 10	FC4-4200-B10R	263	20	302
	44.50	3/8" x 7	FC4-4450-B07R	250	20	271
	44.50	3/8" x 10	FC4-4450-B10R	250	20	318
	48"	48.00	3/8" x 7	FC4-4800-B07R	231	22
48.00		3/8" x 10	FC4-4800-B10R	231	22	345
49.00		3/8" x 7	FC4-4900-B07R	226	22	300
49.00		3/8" x 10	FC4-4900-B10R	226	22	351
50.80		3/8" x 7	FC4-5080-B07R	220	22	309
50.80		3/8" x 10	FC4-5080-B10R	220	22	363
54"		54.00	3/8" x 7	FC4-5400-B07R	213	24
	54.00	3/8" x 10	FC4-5400-B10R	213	24	391
	55.00	3/8" x 7	FC4-5500-B07R	210	24	339
	55.00	3/8" x 10	FC4-5500-B10R	210	24	398
	57.10	3/8" x 7	FC4-5710-B07R	200	24	350
	57.10	3/8" x 10	FC4-5710-B10R	200	24	411
	57.56	3/8" x 7	FC4-5756-B07R	200	24	353
	57.56	3/8" x 10	FC4-5756-B10R	200	24	414
	57.80	3/8" x 7	FC4-5780-B07R	200	24	354
	57.80	3/8" x 10	FC4-5780-B10R	200	24	415
60"	60.00	3/8" x 7	FC4-6000-B07R	200	26	373
	60.00	3/8" x 10	FC4-6000-B10R	200	26	437
	61.00	3/8" x 7	FC4-6100-B07R	200	26	378
	61.00	3/8" x 10	FC4-6100-B10R	200	26	444
	61.61	3/8" x 7	FC4-6161-B07R	200	26	382
	61.61	3/8" x 10	FC4-6161-B10R	200	26	447
	63.40	3/8" x 7	FC4-6340-B07R	200	26	391
	63.40	3/8" x 10	FC4-6340-B10R	200	26	459