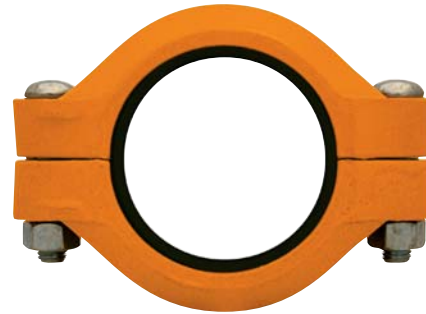
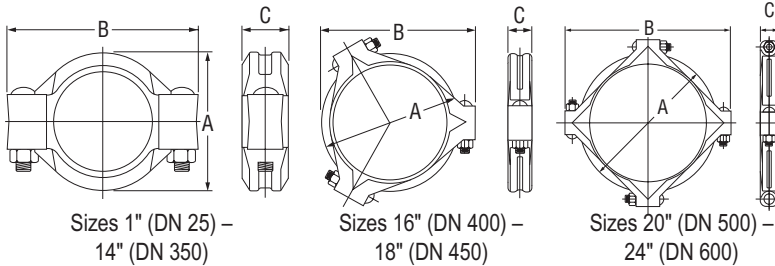


COUPLINGS

Figure 707 Heavy Duty Flexible Coupling

The Figure 707 Heavy Duty Flexible Coupling is capable of pressures up to 1000 psi (69 bar) depending on pipe size and wall thickness. It provides a dependable method of joining pipe and is suitable for use in a variety of applications. Flexible couplings can act as an "expansion joint", allowing linear and angular movement of the pipes when properly installed.



Tech Data: G130

**GROOVED
COUPLINGS
& FITTINGS**

Nominal Size Inches mm	Pipe O.D. Inches mm	Max.† Pressures psi bar	Max. End‡ Load lbs kN	Max. End‡ Gap Inches mm	Deflection ‡		Nominal Dimensions			Coupling Bolts		Approx. Weight lbs kg
					Degrees Per Coupling	Inches/ Foot mm/m	A Inches mm	B Inches mm	C Inches mm	Qty.	Size Inches mm	
1 25	1.315 33.7	1000 69.0	1,360.0 6.10	0.13 3.3	5°26'	1.14 98.4	2.38 60.5	4.00 101.6	1.81 46.0	2	½ x 3 M12 x 76	2.0 0.9
1½ 40	1.900 48.3	1000 69.0	2,835.3 12.61	0.13 3.3	3°46'	0.79 65.8	2.97 75.4	4.63 117.6	1.81 46.0	2	½ x 3 M12 x 76	2.5 1.1
2 50	2.375 60.3	1000 69.0	4,430.1 19.71	0.13 3.3	3°1'	0.63 52.5	3.54 89.9	5.25 133.4	1.88 47.8	2	½ x 3 M12 x 76	3.0 1.4
2½ 65	2.875 73.0	1000 69.0	6,491.8 28.88	0.13 3.3	2°29'	0.52 43.3	4.06 103.1	5.75 146.1	1.88 47.8	2	½ x 3 M12 x 76	3.5 1.6
	3.000 76.1	1000 69.0	7,068.6 31.44	0.13 3.3	2°23'	0.50 41.7	4.19 106.4	5.75 146.1	1.88 47.8	2	M12 x 76	3.7 1.7
3 80	3.500 88.9	1000 69.0	9,621.1 42.80	0.13 3.3	2°3'	0.43 35.8	4.69 119.1	6.38 162.1	1.88 47.8	2	½ x 3 M12 x 76	4.0 1.8
4 100	4.500 114.3	1000 69.0	15,904.3 70.75	0.25 6.4	3°11'	0.67 55.8	5.95 151.1	8.25 209.6	2.06 52.3	2	¾ x 3¼ M16 x 83	7.0 3.2
5 125	5.563 141.3	1000 69.0	24,305.7 108.12	0.25 6.4	2°35'	0.54 45.0	7.08 179.8	10.00 254.0	2.06 52.3	2	¾ x 4¾ M20 x 121	10.5 4.8
	6.500 165.1	1000 69.0	33,183.1 147.61	0.25 6.4	2°12'	0.46 38.3	8.19 208.0	11.25 285.8	2.06 52.3	2	M20 x 121	12.5 5.7
6 150	6.625 168.3	1000 69.0	34,471.6 153.34	0.25 6.4	2°10'	0.45 37.5	8.30 210.8	11.25 285.8	2.06 52.3	2	¾ x 4¾ M20 x 121	12.5 5.7
8 200	8.625 219.1	800 55.1	46,741.0 207.91	0.25 6.4	1°40'	0.35 29.2	10.68 271.3	14.00 355.6	2.47 62.7	2	¾ x 6½ M22 x 165	23.5 10.7
10 250	10.750 273.0	800 55.1	72,610.1 322.99	0.25 6.4	1°20'	0.28 23.3	13.06 331.7	16.44 417.6	2.63 66.8	2	1 x 6½ M24 x 165	33.0 15.0
12 300	12.750 323.9	800 55.1	102,141.0 454.35	0.25 6.4	1°7'	0.23 19.2	15.39 390.9	18.84 478.5	2.63 66.8	2	1 x 6½ M24 x 165	37.0 16.8
14 350	14.000 355.6	300 20.7	46,181.4 205.43	0.25 6.4	1°2'	0.22 18.3	16.67 423.4	20.38 517.7	2.94 74.7	2	1 x 5½**	44.0 20.0
16 400	16.000 406.4	300 20.7	60,318.6 268.31	0.25 6.4	0°54'	0.19 15.8	18.83 478.3	22.64 575.1	2.94 74.7	2	1 x 5½**	52.1 23.6
18 450	18.000 457.2	300 20.7	76,340.7 339.58	0.25 6.4	0°48'	0.17 14.2	21.31 541.3	25.12 638.0	3.06 77.7	2	1 x 5½**	68.0 30.8
20 500	20.000 508.0	300 20.7	94,247.8 419.23	0.25 6.4	0°43'	0.15 12.5	23.47 596.1	27.88 708.2	3.06 77.7	2	1½ x 5¾**	89.0 40.4
24 600	24.000 609.6	250 17.2	113,097.3 503.08	0.25 6.4	0°36'	0.13 10.8	27.58 700.5	32.00 812.8	3.19 81.0	2	1½ x 5¾**	96.0 43.5

† Maximum pressure and end load are total from all loads based on standard weight steel pipe. Pressure ratings and end loads may differ on other pipe materials and/or wall thickness. Contact Tyco Fire & Building Products for details.

* Maximum available gap between pipe ends, minimum gap = 0.

‡ Maximum end gap and deflection are for cut grooved standard weight pipe. Values for roll grooved pipe will be ½ that of cut grooved.

** Only available in ANSI bolt sizes.

Please refer to General Notes on page 17.



For Fire Protection Pressure Rating and Listing / Approval information contact Tyco Fire & Building Products.