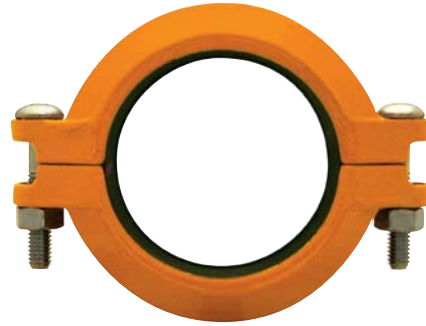


COUPLINGS

Figure 772 Rigid Coupling – Patented

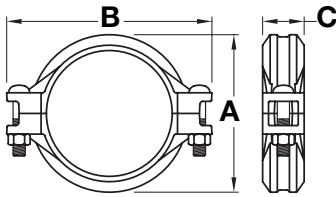
The Figure 772 Rigid Coupling is capable of pressures up to 750 psi (51.7 bar) and provides a rigid joint by firmly gripping along the full 360° circumference of the pipe grooves.

The Figure 772 Rigid Coupling in sizes 1 1/4" (DN 32) to 4" (DN 100) has an Anti-Rotational Feature of "gripping teeth" along the coupling keys that makes it suited for installations where the likelihood of rotation is greatest. Sizes 1 1/4" (DN 32) to 6" (DN 150) feature a clamshell design that makes installation easier and faster.



**GROOVED
COUPLINGS
& FITTINGS**

Tech Data: G140



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

Sizes 1 1/4" (DN32) – 14" (DN350)

Nominal Size Inches DN	Pipe O.D. Inches mm	Max.† Pressures psi bar	Max. End*‡ Load lbs kN	Max. End*‡ Gap lbs mm	Nominal Dimensions			Coupling Bolts		Approx. Weight lbs kg
					A Inches mm	B Inches mm	C Inches mm	Qty.	Size** Inches mm	
1 1/4 DN32	1.660 42.4	750 51.7	1,623.2 7.22	0.06 1.5	2.75 69.9	4.38 111.3	1.81 46.0	2	3/8 x 2 1/4 M10 x 57	1.0 0.5
1 1/2 DN40	1.900 48.3	750 51.7	2,126.5 9.46	0.08 2.0	3.00 76.2	4.62 117.3	1.81 46.0	2	3/8 x 2 1/4 M10 x 57	1.0 0.5
2 DN50	2.375 60.3	750 51.7	3,322.6 14.78	0.13 3.3	3.41 86.6	5.12 130.0	1.88 47.8	2	3/8 x 2 1/4 M10 x 57	1.5 0.7
2 1/2 DN65	2.875 73.0	750 51.7	4,868.9 21.66	0.13 3.3	3.91 99.3	5.63 143.0	1.88 47.8	2	3/8 x 2 1/4 M10 x 57	2.5 1.1
	3.000 76.1	750 51.7	5,301.4 23.58	0.13 3.3	4.19 106.4	5.72 145.3	2.00 50.8	2	M10 x 57	2.6 1.2
3 DN80	3.500 88.9	750 51.7	7,215.8 32.10	0.13 3.3	4.63 117.6	6.25 158.8	1.88 47.8	2	3/8 x 2 1/4 M10 x 57	2.6 1.2
4 DN100	4.500 114.3	750 51.7	11,928.2 53.06	0.19 4.8	5.81 147.6	7.50 190.5	1.97 50.0	2	3/8 x 2 1/4 M10 x 57	3.5 1.6
	5.500 139.7	750 51.7	17,818.7 79.26	0.19 4.8	7.02 178.3	9.72 246.9	2.06 52.3	2	M16 x 83	7.5 3.4
5 DN125	5.563 141.3	750 51.7	18,229.3 81.09	0.19 4.8	7.09 180.1	9.71 246.6	2.04 51.8	2	5/8 x 3 1/4 M16 x 83	7.5 3.4
	6.500 165.1	700 48.2	23,228.2 103.18	0.19 4.8	8.09 205.5	10.53 267.5	2.13 54.1	2	M16 x 83	7.6 3.4
6 DN150	6.625 168.3	700 48.2	24,130.1 107.34	0.19 4.8	8.09 205.5	10.53 267.5	2.13 54.1	2	5/8 x 3 1/4 M16 x 83	7.6 3.4
8 DN200	8.625 219.1	600 41.4	35,055.8 155.94	0.19 4.8	10.56 268.2	13.56 344.4	2.62 66.5	2	3/4 x 4 1/4 M20 x 121	18.0 8.2
10 DN250	10.750 273.0	500 34.5	45,381.3 201.87	0.13 3.3	12.84 326.1	16.41 416.8	2.62 66.5	2	1 x 6 1/2 M24 x 165	24.6 11.2
12 DN300	12.750 323.9	400 27.6	51,070.5 227.17	0.13 3.3	15.41 391.4	18.84 478.5	2.62 66.5	2	1 x 6 1/2 M24 x 165	42.0 19.1

† 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.

** Gold color coded metric bolt sizes for DN32 - DN300 couplings available upon request.

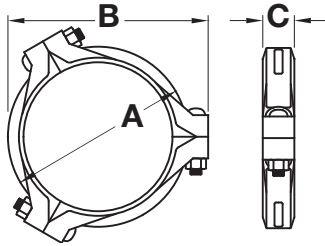
‡ Maximum end gap is for cut grooved standard weight pipe. Values for roll grooved pipe will be 1/2 that of cut grooved.

General Notes: Additional information is included in our data sheets and is available upon request. It is the Designer's responsibility to select products suitable for the intended service and to ensure that pressure ratings and performance data is not exceeded. Always read and understand the installation instructions (IH-1000M). Never remove any piping components or correct or modify any piping deficiencies without first depressurizing and draining the system. Material and gasket selection should be verified to be compatible for the specific application.

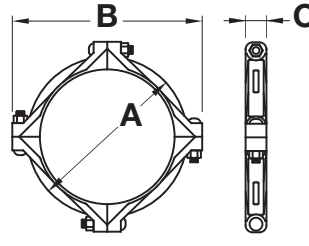
COUPLINGS

Figure 772 Rigid Coupling – Patented

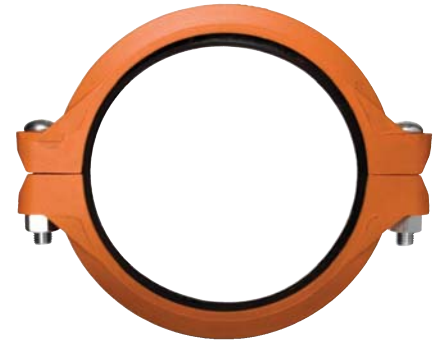
GROOVED
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Sizes 16" (DN400) – 18" (DN450)



Sizes 20" (DN500) – 24" (DN600)



Tech Data: G140

Nominal Size Inches DN	Pipe O.D. Inches mm	Max. † Pressures psi bar	Max. End † Load lbs kN	Max. End †‡ Gap lbs mm	Nominal Dimensions			Coupling Bolts		Approx. Weight lbs kg
					A Inches mm	B Inches mm	C Inches mm	Qty.	Size Inches mm	
14 DN350	14.000 355,6	300 20,7	46,181.4 205,43	0.13 3,3	16.68 423,7	20.38 517,6	2.93 74,4	2	1 x 5½*	48.0 21,7
16 DN400	16.000 406,4	300 20,7	60,318.6 268,31	0.13 3,3	18.50 469,9	22.64 545,1	2.93 74,4	3	1 x 5½*	52.1 23,6
18 DN450	18.000 457,2	300 20,7	76,340.7 339,58	0.25 6,4	21,31 541,3	25.12 638,0	3.06 77,7	3	1 x 5½*	52.1 30,8
20 DN500	20.000 508,0	300 20,7	94,247.8 419,23	0.25 6,4	23.50 596,9	27.88 708,2	3.06 77,7	4	1½ x 5¾*	89.0 40,4
24 DN600	3.000 609,6	250 17,2	113,097.3 503,08	0.25 6,4	27.63 701,8	32.00 812,8	3.19 81,0	4	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.

** Gold color coded metric bolt sizes for DN32 - DN300 couplings available upon request.

‡ Maximum end gap is 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.