



**Grinnell**<sup>®</sup>

# FIG. 772

## LARGE DIAMETER RIGID COUPLING

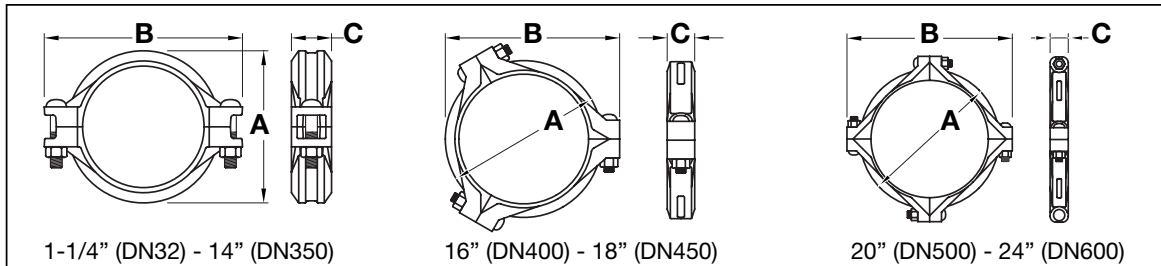


- TWO-PIECE DESIGN THROUGH 14" FOR FAST AND EASY INSTALLATION
- TONGUE AND GROOVED PATENTED DESIGN SIMPLIFIES INSTALLATION
- PROVIDES A RIGID JOINT BY FIRMLY GRIPPING ALONG THE FULL CIRCUMFERENCE OF THE GROOVE.
- PRESSURE RATINGS UP TO 300 P.S.I.
- STANDARD INDUSTRY GROOVE, DOES NOT REQUIRE SPECIAL TOOLS
- INTERCHANGEABLE WITH EXISTING GROOVED SYSTEMS TO FACILITATE RETROFIT APPLICATIONS
- BACKED BY THE INDUSTRY'S BEST, A 10 YEAR LIMITED WARRANTY



# FIG. 772

## TECHNICAL DATA



Pipe Size		Max.† Pressures psi (bar)	Max.† End Load Lbs. (kN)	Max.*‡ End Gap Inches (mm)	Nominal Dimensions			Coupling Bolts		Approx. Weight Lbs. (kg)
Nominal ANSI Inches DN	O.D. Inches (mm)				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)
- DN65	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)
- DN125	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)
- DN150	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 4-3/4 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)
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 5-1/2*	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 (575,1)	2.93 (74,4)	3	1 x 5-1/2*	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 5-1/2*	68.0 (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	1-1/8 x 5-3/4*	89.0 (40,4)
24 DN600	24.000 (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	1-1/8 x 5-3/4*	96.0 (43,5)

\* Maximum available gap between pipe ends. Minimum gap = 0.

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

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

‡ Max End Gap and Deflection is for cut grooved standard weight pipe. Values for roll grooved pipe will be 1/2 that of cut grooved.

• Only available in ANSI bolt sizes.