

# G-FIRE One-Bolt Coupling

Figure 579



## Features & Benefits

- One-bolt design means no alternate tightening required
- Pre-assembled for fast and easy push-on installation
- Center-stop gasket ensures proper positioning on pipe
- Low-profile spine allows installation of couplings in tighter spaces
- 360-degree pipe contact ensures a truly rigid joint

The G-FIRE One-Bolt Figure 579 is a grooved rigid coupling designed to make joining pipe faster and easier than ever before.

## At-A-Glance

Arriving pre-assembled and pre-lubricated, the G-FIRE Figure 579 Coupling is ready to install right out of the box. This innovative coupling has a unique design consisting of a three-piece housing, a center-stop gasket, and just one bolt to tighten. The center-stop gasket ensures proper positioning on the pipe and enables easy push on installation in both horizontal and vertical applications across wet, dry and freezer systems. The coupling's unique, one-bolt design eliminates alternate tightening for a faster, more efficient installation.



# G-FIRE One-Bolt Coupling

Figure 579

Technical Data

Sizes	2 Inch to 8 Inch (DN50 to DN200)
Maximum Working Pressure	Up to 365 psi (25,2 bar)
Approvals	UL and ULc Listed, FM Approved
Finish	Available in painted or galvanized
Gasket	Center-Stop, Push-On Pre-Lubricated, Grade "A" EPDM
Bolt / Nut	Carbon Steel with Zinc electroplating

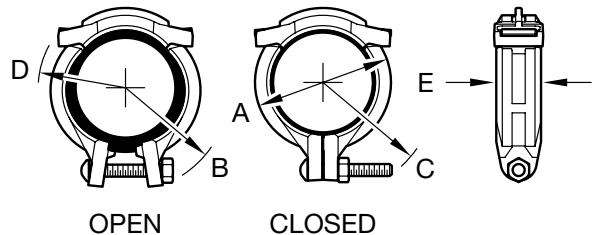


2 Inch to 8 Inch (DN50 to DN200)

Pipe Size		Max. <sup>b</sup> Pressures psi (bar)	Max. <sup>b</sup> End Load Lbs. (kN)	Max. <sup>a, c</sup> End Gap Inches (mm)	Nominal Dimensions						Coupling Bolts		Approx. Weight Lbs. (kg)
Nominal ANSI Inches DN	O.D. Inches (mm)				A (Open) Inches (mm)	A (Closed) Inches (mm)	B (Radius) Inches (mm)	C (Radius) Inches (mm)	D (Radius) Inches (mm)	E Inches (mm)	Qty.	Size Inches	
2 50	2.375 (60,3)	365 (25,2)	1617 (7,19)	0.32 (8,1)	3.92 (99,6)	3.41 (86,5)	2.74 (69,5)	3.69 (93,7)	1.97 (49,9)	2.05 (51,9)	1	3/8 x 2-3/4	1.9 (0,9)
2-1/2 65	2.875 (73,0)	365 (25,2)	2370 (10,54)	0.32 (8,1)	4.48 (113,8)	3.97 (100,7)	2.98 (75,8)	3.89 (98,7)	2.16 (54,9)	2.05 (51,9)	1	3/8 x 2-3/4	2.1 (1,0)
3 80	3.500 (88,9)	365 (25,2)	3512 (15,62)	0.32 (8,1)	5.10 (129,5)	4.57 (116,0)	3.33 (84,5)	4.17 (105,9)	2.59 (65,9)	2.05 (51,9)	1	3/8 x 2-3/4	2.8 (1,3)
4 100	4.500 (114,3)	365 (25,2)	5805 (25,82)	0.32 (8,1)	6.20 (157,5)	5.67 (143,9)	4.14 (105,1)	5.20 (132,2)	3.00 (76,2)	2.05 (51,9)	1	1/2 x 3-1/2	4.0 (1,8)
6 150	6.625 (168,3)	365 (25,2)	12582 (55,97)	0.32 (8,1)	8.85 (224,8)	8.26 (209,8)	5.35 (135,9)	6.26 (159,0)	4.03 (102,3)	2.05 (51,9)	1	1/2 x 3-1/2	6.7 (3,0)
8 200	8.625 (219,1)	365 (25,2)	21326 (94,86)	0.34 (8,6)	11.62 (295,1)	10.77 (273,5)	6.82 (173,1)	7.91 (201,0)	5.33 (135,5)	2.59 (65,8)	1	5/8 x 4-1/8	14.2 (6,4)

Note:

Maximum available gap between pipe ends. Minimum gap = 0.120  
 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 your TYCO Representative.  
 Max End Gap is for cut grooved standard weight pipe.



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Always refer to the Technical Data Sheet TFP1856 for a complete description of all listing criteria, design parameters, installation instructions, care and maintenance guidelines, and our limited warranty.

[www.grinnell.com/579](http://www.grinnell.com/579)



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