

Rigidlok Coupling
Fig. 7401*



Material Specifications

Housing

Ductile Iron conforming to ASTM A536, Grade 65-45-12

Bolts

SAE J429, Grade 5, Zinc Electroplated (Standard)

Heavy Hex Nuts

ASTM A563, Grade A, Zinc Electroplated, Violet Dyed (Standard)

Coatings

- Rust inhibiting paint
- Color: Orange (Standard)
- Hot Dipped Zinc Galvanized (Optional)

Lubrication

- Standard Gruvlok
- Gruvlok Xtreme

Gaskets

Properties as designated in accordance with ASTM D2000

Pre-Lubricated **Grade "E" EPDM**, Type A C-Style Gasket (Violet color code)
-40°F to 150°F (Service Temperature Range)
(-40°C to 66°C)

Recommended for wet and dry (oil free air) fire protection sprinkler systems.
For freezing conditions, Gruvlok Xtreme Lubricant is recommended.

Grade "EP" EPDM Flush Gap Gasket (Green color code)
-40°F to 230°F (Service Temperature Range)
(-40°C to 110°C)

Recommended for wet and dry (oil free air) fire protection sprinkler systems.
For freezing conditions, Gruvlok Xtreme Lubricant is recommended.

The Fig. 7401 Rigidlok Coupling utilizes a technologically advanced housing design that conforms to and grips the pipe.

Coupling installation is fast and easy, remove only one nut and swing the housing over the gasket and into the grooves. The exclusive Guidelok feature automatically separates the grooved pipe ends and guides the coupling into position as the bolts are tightened. Precisely sized and oriented tines in the housing key section firmly grip the pipe. The combination of these designed in features produce a secure, rigid pipe joint connection.

The Figure 7401 Rigidlok Coupling with a Pre-Lubricated Grade "E" EPDM, Type "A" gasket (coupling is easily identified by purple nuts) is intended for use in fire protection systems installed in accordance with NFPA Standard 13 "Sprinkler Systems."

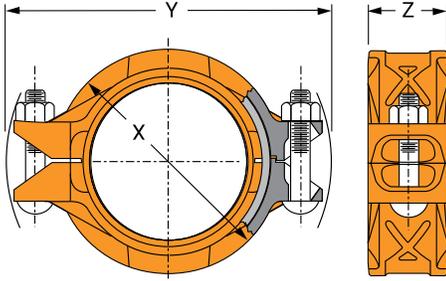
For Listings/Approval Details and Limitations, visit our website at www.asc-es.com or contact an ASC Engineered Solutions™ Sales Representative.

*When ordering, refer to product as FP7401.



PROJECT INFORMATION	APPROVAL STAMP
Project:	Approved
Address:	Approved as noted
Contractor:	Not approved
Engineer:	Remarks:
Submittal Date:	
Notes 1:	
Notes 2:	

Rigidlok Coupling Fig. 7401*



Nominal Size	Pipe O.D.	Max. Working Pressure ▲	Max. End Load	Range of Pipe End Separation	Coupling Dimensions			Coupling Bolts		Approx. Wt. Ea.
					X	Y	Z	Qty.	Size	
In./DN(mm)	In./mm	PSI/bar	Lbs./kN	In./mm	In./mm	In./mm	In./mm	In./mm	Lbs./kg	
1½ 40.0	1.900 48.3	750 51.7	2,126 9.46	0-1/32 0-0.79	3 76	5⅞ 130	1⅞ 48	2 M10 x 57	1.8 0.8	
2 50.0	2.375 60.3	750 51.7	3,323 14.78	0-1/32 0-0.79	3½ 89	5⅞ 143	1⅞ 48	2 M10 x 63	2.4 1.1	
2½ 65.0	2.875 73.0	750 51.7	4,869 21.66	0-1/32 0-0.79	4 102	6⅞ 156	1⅞ 48	2 M10 x 63	2.9 1.3	
3 O.D. 76.1	2.996 76.1	750 51.7	5,207 23.52	0-1/32 0-0.79	4⅞ 105	6⅞ 156	1⅞ 48	2 M10 x 63	3.4 1.5	
3 80.0	3.500 88.9	750 51.7	7,216 32.10	0-1/32 0-0.79	4¾ 121	7¼ 184	1⅞ 48	2 M12 x 76	3.6 1.6	
4 100.0	4.500 114.3	750 51.7	11,928 53.06	0-3/32 0-2.38	5⅞ 149	8⅞ 213	2⅞ 54	2 M12 x 76	5.0 2.3	
5½ O.D. 139.7	5.500 139.7	750 51.7	17,819 79.26	0-3/32 0-2.38	7 178	9¾ 248	2⅞ 54	2 M16 x 85	6.9 3.1	
5 125.0	5.563 141.3	750 51.7	18,229 81.09	0-3/32 0-2.38	7 178	10 254	2⅞ 54	2 M16 x 85	6.9 3.1	
6½ O.D. 165.1	6.500 165.1	750 51.7	24,887 110.70	0-3/32 0-2.38	8 203	11 279	2⅞ 54	2 M16 x 85	7.6 3.4	
6 150.0	6.625 168.3	750 51.7	25,854 115.00	0-3/32 0-2.38	8⅞ 206	11⅞ 283	2⅞ 54	2 M16 x 85	7.9 3.6	
8 200.0	8.625 219.1	600 41.4	35,056 155.94	0-3/32 0-2.38	10½ 267	14⅞ 359	2⅞ 67	2 M20 x 110	15.9 7.2	
10 250.0	10.750 273.1	500 34.5	45,381 201.87	0-3/32 0-2.38	12⅞ 327	17½ 445	2⅞ 67	2 M24 x 150	25.6 11.6	
12 300.0	12.750 323.9	400 27.6	51,070 227.17	0-3/32 0-2.38	15 381	19½ 495	2⅞ 67	2 M22 x 150	30.5 13.8	

Note:

Range of Pipe End Separation values are for roll grooved pipe and may be doubled for cut groove pipe.

▲ – Working Pressure Ratings are for reference only and based on Sch. 40 pipe.

WARNING: For dry pipe systems and freezer applications lubrication of the gasket is required, Gruvlok Xtreme Lubricant is recommended.



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