

## Rigidlite Coupling – Fire Rated Fig. 7400\*



The Gruvlok Figure 7400 Rigidlite Coupling is specially designed to provide a rigid, locked-in pipe connection to meet the specific demands of rigid design steel pipe. Fast and easy swing-over installation of the rugged lightweight housing produces a secure, rigid pipe joint. The Figure 7400 Rigidlite Coupling is approved for fire protection service in both wet and dry systems, with roll grooved or cut grooved steel pipe prepared in accordance with Gruvlok grooving specifications.

The Figure 7400 Rigidlite 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](http://www.asc-es.com) or contact an ASC Engineered Solutions™ Sales Representative.

\*When ordering, refer to product as FP7400.

### 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 required.

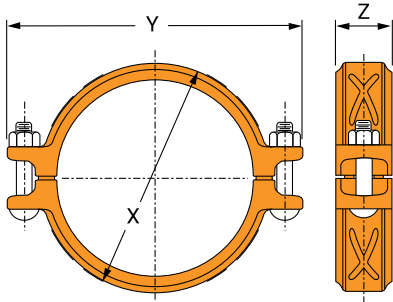
**Grade “EP” EPDM** Flush Gap Gasket (Green color code)  
-40°F to 230°F (Service Temperature Range)  
(-40°C to 110°C)

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



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

## Rigidlite Coupling – Fire Rated Fig. 7400\*



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	
1¼ 32	1.660 42.2	300 20.7	649 2.89	0-1/32 0-0.79	2⅝ 67	4¾ 121	1¾ 44	2 M10 x 57	1.3 0.6	
1½ 40	1.900 48.3	300 20.7	851 3.78	0-1/32 0-0.79	2⅞ 73	4⅞ 124	1¾ 44	2 M10 x 57	1.4 0.6	
2 50*	2.375 60.3	300 20.7	1,329 5.91	0-1/32 0-0.79	3¼ 83	5½ 140	1¾ 44	2 M10 x 57	1.6 0.7	
2½ 65	2.875 73	300 20.7	1,948 8.66	0-1/32 0-0.79	3⅞ 98	6 152	1¾ 44	2 M10 x 57	1.9 0.9	
3 O.D. 76.1	2.996 76.1	300 20.7	2,115 9.41	0-1/32 0-0.79	4 102	5⅞ 149	1¾ 44	2 M10 x 57	1.9 0.9	
3 80	3.500 88.9	300 20.7	2,886 12.84	0-1/32 0-0.79	4½ 114	6¼ 159	1¾ 44	2 M10 x 70	2.4 1.1	
4 100	4.500 114.3	300 20.7	4,771 21.22	0-3/32 0-2.38	5¾ 146	7⅞ 189	1⅞ 48	2 M10 x 70	3.5 1.6	
5½ O.D. 139.7	5.500 139.7	300 20.7	7,127 31.70	0-3/32 0-2.38	6¾ 171	9¼ 235	2 51	2 M12 x 76	4.5 2.0	
5 125	5.563 141.3	300 20.7	7,292 32.44	0-3/32 0-2.38	6⅞ 173	8⅞ 227	1⅞ 48	2 M12 x 70	4.5 2.0	
6½ O.D. 165.1	6.500 165.1	300 20.7	9,955 44.28	0-3/32 0-2.38	7¾ 200	10⅞ 264	2 51	2 M12 x 76	5.5 2.5	
6 150	6.625 168.3	300 20.7	10,341 46.00	0-3/32 0-2.38	7⅞ 200	10⅞ 256	1⅞ 49	2 M12 x 70	5.4 2.4	
8 200*	8.625 219.1	300 20.7	17,528 77.97	0-3/32 0-2.38	10⅞ 257	12⅞ 316	2⅞ 60	2 M12 x 70	9.5 4.3	

**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 required.



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