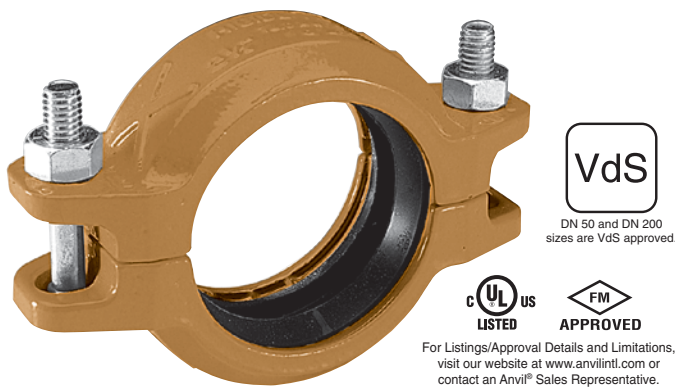


FIG. 7400

Rigidlite® Coupling



The Fig. 7400 Rigidlite Coupling from Gruvlok is specially designed to provide a rigid, locked-in pipe connection to meet the specific demands of rigid design steel pipe systems. Fast and easy swing-over installation of the rugged lightweight housing produces a secure, rigid pipe joint.

The Fig. 7400 Rigidlite Coupling is UL/ULC Listed and FM Approved for 300 psi (20.7 bar) with roll grooved or cut grooved steel pipe prepared in accordance with Gruvlok grooving specifications.

The galvanized Fig. 7400 is ideal for stainless steel piping application where the external corrosion properties of stainless steel is not required. For Gruvlok coupling pressure ratings on stainless steel pipe, please refer to page 214.

MATERIAL SPECIFICATIONS

ANSI BOLTS & HEAVY HEX NUTS:

Heat treated, oval neck track head bolts conforming to ASTM A 183 Grade 2 with a minimum tensile strength of 110,000 psi and heavy hex nuts of carbon steel conforming to ASTM A 563 Grade A or Grade B, or J995 Grade 2. Bolts and nuts are provided zinc electroplated as standard.

METRIC BOLTS & HEAVY HEX NUTS:

Heat treated, zinc electroplated oval-neck track head bolts made of carbon steel with mechanical properties per ISO 898-1 Class 8.8. Hex nuts and bolts are zinc electroplated followed by a yellow chromate dip.

STAINLESS STEEL BOLTS & NUTS:

304SS Stainless Steel bolts and nuts are available as a standard option. (316SS are available for special order).

HOUSING:

Ductile Iron conforming to ASTM A 536, Grade 65-45-12.

COATINGS:

Rust inhibiting paint – Color: ORANGE (standard)
Hot Dipped Zinc Galvanized (optional)
Other Colors Available (IE: RAL3000 and RAL9000)
For other Coating requirements contact an Anvil Representative.

GASKETS: Materials

Properties as designated in accordance with ASTM D 2000

Grade “EP” EPDM (Green and Red color code)

-40°F to 250°F (Service Temperature Range)(-40°C to 121°C)
Recommended for water service, diluted acids, alkalies solutions, oil-free air and many other chemical services.
NOT FOR USE IN PETROLEUM APPLICATIONS.

For hot water applications the use of Gruvlok Extreme Temperature lubricant is recommended. NSF-61 Certified for cold and hot water applications up through 12’.

Grade “T” Nitrile (Orange color code)

-20°F to 180°F (Service Temperature Range)(-29°C to 82°C)
Recommended for petroleum applications. air with oil vapors and vegetable and mineral oils.
NOT FOR USE IN HOT WATER OR HOT AIR

Grade “O” Fluoro-Elastomer (Blue color code)

Size Range: 1” - 8” (C style only)
20°F to 300°F (Service Temperature Range)(-29°C to 149°C)
Recommended for high temperature resistance to oxidizing acids, petroleum oils, hydraulic fluids, halogenated hydrocarbons and lubricants.

Grade “L” Silicone (Red color code)

Size Range: 1” - 8” (C style only)
-40°F to 350°F (Service Temperature Range)(-40°C to 177°C)
Recommended for dry, hot air and some high temperature chemical services.

GASKET TYPE:

Standard C Style (1” - 8”)
Flush Gap (1” - 8”)

LUBRICATION:

Standard Gruvlok
Gruvlok Xtreme™ (Do Not use with Grade “L”)

FIG. 7400 Rigidlite® Coupling

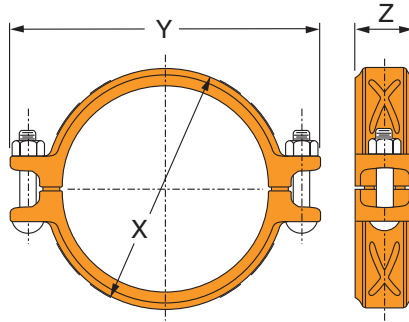


FIGURE 7400 RIGIDLITE COUPLING

Nominal Size	O.D.	Max. Wk. Pressure	Max. End Load	Range of Pipe End Separation	Coupling Dimensions			Coupling Bolts		Specified Torque §		Approx. Wt. Ea.
					X	Y	Z	Qty.	Size	Min.	Max.	
In./DN(mm)	In./mm	PSI/bar	Lbs./kN	In./mm	In./mm	In./mm	In./mm	In./mm	Ft.-Lbs./N-m		Lbs./Kg	
1 25	1.315 33.4	300 20.7	407 1.81	0-1/32 0-0.79	2 1/4 57	4 1/2 114	1 3/4 44	2 M10 x 57	30 40	45 60	1.2 0.5	
1 1/4 32	1.660 42.2	300 20.7	649 2.89	0-1/32 0-0.79	2 5/8 67	4 3/4 121	1 3/4 44	2 M10 x 57	30 40	45 60	1.3 0.6	
1 1/2 40	1.900 48.3	300 20.7	851 3.78	0-1/32 0-0.79	2 7/8 73	4 7/8 124	1 3/4 44	2 M10 x 57	30 40	45 60	1.4 0.6	
2 50*	2.375 60.3	300 20.7	1,329 5.91	0-1/32 0-0.79	3 1/4 83	5 1/2 140	1 3/4 44	2 M10 x 57	30 40	45 60	1.6 0.7	
2 1/2 65	2.875 73.0	300 20.7	1,948 8.66	0-1/32 0-0.79	3 3/8 98	6 152	1 3/4 44	2 M10 x 57	30 40	45 60	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	5 5/8 149	1 3/4 44	2 M10 x 57	30 40	45 60	1.9 0.9	
3 80	3.500 88.9	300 20.7	2,886 12.84	0-1/32 0-0.79	4 1/2 114	6 3/4 171	1 3/4 44	2 M10 x 70	30 40	45 60	2.1 1.0	
4 100	4.500 114.3	300 20.7	4,771 21.22	0-3/32 0-2.38	5 5/8 143	7 3/4 197	1 5/8 48	2 M10 x 70	30 40	45 60	3.1 1.4	
5 1/2 O.D. 139.7	5.500 139.7	300 20.7	7,127 31.70	0-3/32 0-2.38	6 3/4 171	9 1/4 235	2 51	2 M12 x 76	80 110	100 150	4.5 2.0	
5 125	5.563 141.3	300 20.7	7,292 32.44	0-3/32 0-2.38	6 7/8 175	9 1/4 235	2 51	2 M12 x 76	80 110	100 150	4.6 2.1	
6 1/2 O.D. 165.1	6.500 165.1	300 20.7	9,955 44.28	0-3/32 0-2.38	7 3/4 200	10 3/8 264	2 51	2 M12 x 76	80 110	100 150	5.5 2.5	
6 150	6.625 168.3	300 20.7	10,341 46.00	0-3/32 0-2.38	7 7/8 200	10 3/8 264	2 51	2 M12 x 76	80 110	100 150	5.5 2.5	
8 200*	8.625 219.1	300 20.7	17,528 77.97	0-3/32 0-2.38	10 1/4 260	12 3/4 324	2 3/8 60	2 M12 x 76	80 110	100 150	8.4 3.8	

NOTE:

Range of Pipe End Separation values are for roll grooved pipe and may be doubled for cut groove pipe.
Other sizes available, contact an Anvil Representative for more information.

For additional details see "Coupling Data Chart Notes" on page 17.
* DN 50 and DN 200 sizes are VdS approved.
§ - For additional Bolt Torque information, see page 204.
See Installation & Assembly directions on page 170.