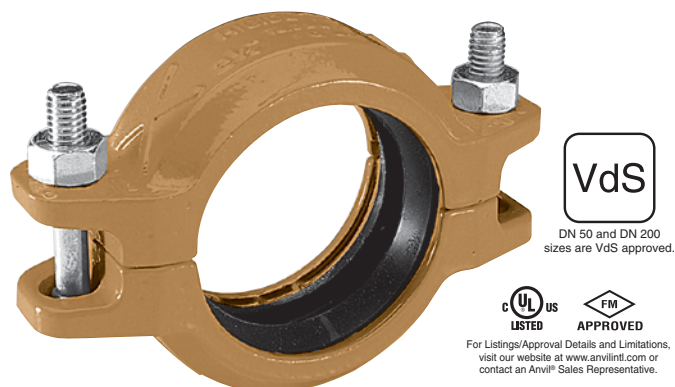


FIG. 7400

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.

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:

Stainless steel bolts and nuts are also available. Contact an Anvil Representative for more information.

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 “E” EPDM** (Green color code)
-40°F to 230°F (Service Temperature Range)(-40°C to 110°C)
Recommended for water service, diluted acids, alkalies solutions, oil-free air and many other chemical services.
NOT FOR USE IN PETROLEUM APPLICATIONS.

- ☐ **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)
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)
-40°F to 350°F (Service Temperature Range)(-40°C to 177°C)
Recommended for dry, hot air and some high temperature chemicals services.

GASKET TYPE:

- ☐ Standard C Style
- ☐ Flush Gap (1" - 8")

LUBRICATION:

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

PROJECT INFORMATION		APPROVAL STAMP	
Project:		<input type="checkbox"/> Approved	
Address:		<input type="checkbox"/> Approved as noted	
Contractor:		<input type="checkbox"/> Not approved	
Engineer:		Remarks:	
Submittal Date:			
Notes 1:			
Notes 2:			

FIG. 7400

Rigidlite® Coupling

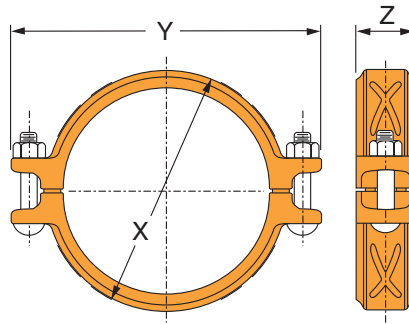


FIGURE 7400 RIGIDLITE COUPLING

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	1.315	300	407	0-1/32	2 1/4	4 1/2	1 3/4	2	3/8 x 2 1/4	30	45	1.2
25	33.4	20.7	1.81	0-0.79	57	114	44		M10 x 57	40	60	0.5
1 1/4	1.660	300	649	0-1/32	2 5/8	4 3/4	1 3/4	2	3/8 x 2 1/4	30	45	1.3
32	42.2	20.7	2.89	0-0.79	67	121	44		M10 x 57	40	60	0.6
1 1/2	1.900	300	851	0-1/32	2 7/8	4 7/8	1 3/4	2	3/8 x 2 1/4	30	45	1.4
40	48.3	20.7	3.78	0-0.79	73	124	44		M10 x 57	40	60	0.6
2	2.375	300	1,329	0-1/32	3 1/4	5 1/2	1 3/4	2	3/8 x 2 1/4	30	45	1.6
50*	60.3	20.7	5.91	0-0.79	83	140	44		M10 x 57	40	60	0.7
2 1/2	2.875	300	1,948	0-1/32	3 7/8	6	1 3/4	2	3/8 x 2 1/4	30	45	1.9
65	73.0	20.7	8.66	0-0.79	98	152	44		M10 x 57	40	60	0.9
3 O.D.	2.996	300	2,115	0-1/32	4	5 7/8	1 3/4	2	3/8 x 2 1/4	30	45	1.9
76.1	76.1	20.7	9.41	0-0.79	102	149	44		M10 x 57	40	60	0.9
3	3.500	300	2,886	0-1/32	4 1/2	6 3/4	1 3/4	2	3/8 x 2 3/4	30	45	2.1
80	88.9	20.7	12.84	0-0.79	114	171	44		M10 x 70	40	60	1.0
4	4.500	300	4,771	0-3/32	5 5/8	7 3/4	1 7/8	2	3/8 x 2 3/4	30	45	3.1
100	114.3	20.7	21.22	0-2.38	143	197	48		M10 x 70	40	60	1.4
5 1/2 O.D.	5.500	300	7,127	0-3/32	6 3/4	9 1/4	2	2	1/2 x 3	80	100	4.5
139.7	139.7	20.7	31.70	0-2.38	171	235	51		M12 x 76	110	150	2.0
5	5.563	300	7,292	0-3/32	6 7/8	9 1/4	2	2	1/2 x 3	80	100	4.6
125	141.3	20.7	32.44	0-2.38	175	235	51		M12 x 76	110	150	2.1
6 1/2 O.D.	6.500	300	9,955	0-3/32	7 3/4	10 3/8	2	2	1/2 x 3	80	100	5.5
165.1	165.1	20.7	44.28	0-2.38	200	264	51		M12 x 76	110	150	2.5
6	6.625	300	10,341	0-3/32	7 7/8	10 3/8	2	2	1/2 x 3	80	100	5.5
150	168.3	20.7	46.00	0-2.38	200	264	51		M12 x 76	110	150	2.5
8	8.625	300	17,528	0-3/32	10 1/4	12 3/4	2 3/8	2	1/2 x 3	80	100	8.4
200*	219.1	20.7	77.97	0-2.38	260	324	60		M12 x 76	110	150	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 190.
See Installation & Assembly directions on page 158.