

FIG. 7013

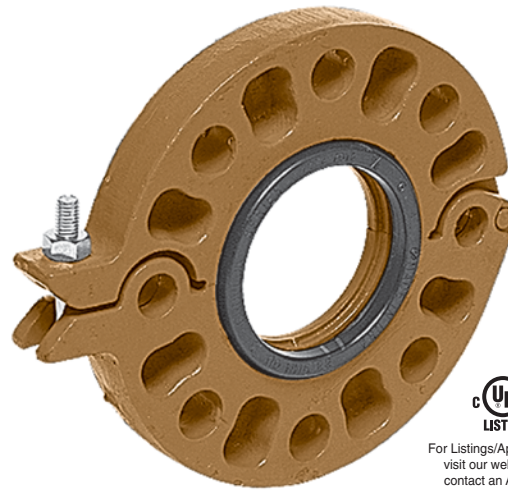
Gruvlok Flanges (300# Flange)

The Gruvlok Fig. 7013 300# Flange allows direct connection of Class 250 or Class 300 flanged components to a Gruvlok piping system. The two halves of the 2" thru 12" sizes of both Gruvlok Flanges are drawn together by a latch bolt which eases assembly on the pipe. A specially designed gasket provides a leak-tight seal on both the pipe and the mating flange face.

Gruvlok Flanges have designed-in anti-rotation tines which bite into and grip the side of the pipe groove to provide a secure, rigid connection.

Gruvlok flange adapter insert required when mating to rubber surfaces or serrated faced mating flanges.

*** The 7013 Gruvlok adapter flange should not be used with the 78FP or 7800 check valve.**



For Listings/Approval Details and Limitations, visit our website at www.anvilintl.com or contact an Anvil® Sales Representative.

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 are zinc electroplated followed by a yellow chromate dip.

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 “T” Nitrile (Orange color code)

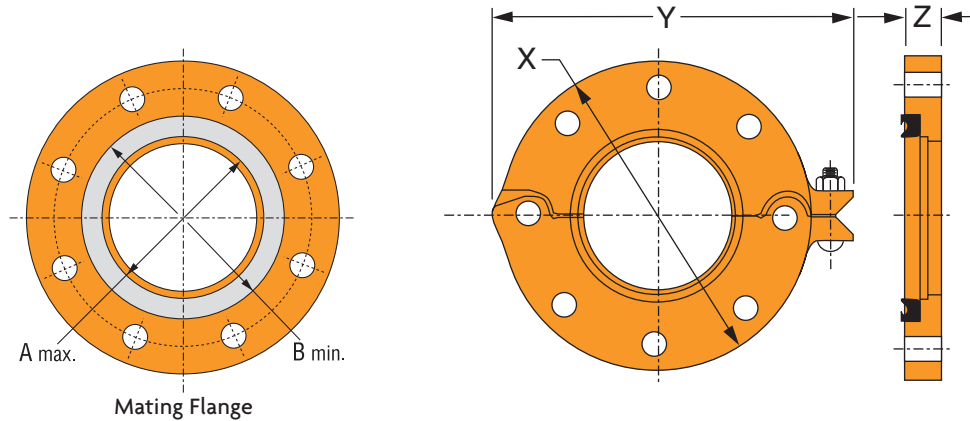
-20°F to 180°F (Service Temperature Range)(-29°C to 82°C)
Recommended for petroleum applications. air with oil vapors and vegetable and mineral oils.
NOT FOR USE IN HOT WATER OR HOT AIR.

LUBRICATION:

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

FIG. 7013

Gruvlok Flanges (300# Flange)



GRUVLOK FIGURE 7013 FLANGE: ANSI CLASS 250 AND 300 BOLT PATTERN

Nominal Size	O.D.	Max. Wk. Pressure ▼	Max. End Load ▼	Latch* Bolt Size	Specified Torque §		Dimensions			Sealing Surface		Mating Flange Bolts				Approx. Wt. Ea.
					Min.	Max.	X	Y	Z	A Max.	B Min.	Qty. ANSI	Size (ANSI) in.	Bolt Circle Dia.	Bolt Hole Dia.	
In./DN(mm)	In./mm	PSI/bar	Lbs./kN	In.	Ft.-Lbs/N-m		In./mm	In./mm	In./mm	In./mm	In./mm		(ISO) mm	In./mm	In./mm	Lbs./Kg
2 50	2.375 60.3	750 51.7	3,323 14.78	3/8 x 2 1/2 -	30 -	45 -	6 1/2 165	8 203	1 25	2 5/8 60	3 7/16 87	8 -	5/8 x 3 -	5 127.0	3/4 19.1	5.0 2.3
2 1/2 65	2.875 73.0	750 51.7	4,869 21.66	3/8 x 2 1/2 -	30 -	45 -	7 1/2 191	9 1/8 232	1 25	2 7/8 73	4 102	8 -	3/4 x 3 1/4 -	5 7/8 149.2	7/8 22.2	6.9 3.1
3 80	3.500 88.9	750 51.7	7,216 32.10	3/8 x 2 1/2 -	30 -	45 -	8 1/4 210	9 7/8 251	1 1/8 29	3 1/2 89	4 9/16 116	8 -	3/4 x 3 1/2 -	6 5/8 168.3	7/8 22.2	9.4 4.3
4 100	4.500 114.3	750 51.7	11,928 53.06	3/8 x 2 1/2 -	30 -	45 -	10 254	11 3/8 289	1 1/4 32	4 1/2 114	5 5/8 143	8 -	3/4 x 3 3/4 -	7 1/8 200.0	7/8 22.2	14.4 6.5
5 125	5.563 141.3	750 51.7	18,229 81.09	3/8 x 2 1/2 -	30 -	45 -	11 279	12 5/8 321	1 3/8 35	5 5/8 141	6 3/4 171	8 -	3/4 x 4 1/2 -	9 1/4 235.0	7/8 22.2	18.3 8.3
6 150	6.625 168.3	750 51.7	25,854 115.00	3/8 x 2 1/2 -	30 -	45 -	12 1/2 318	14 1/8 359	1 1/2 38	6 5/8 168	7 13/16 198	12 -	3/4 x 4 1/2 -	10 5/8 269.9	7/8 22.2	24.9 11.3
8 200	8.625 219.1	750 51.7	43,820 194.92	1/2 x 3 1/2 -	80 -	100 -	15 381	16 7/8 429	1 5/8 41	8 5/8 219	10 254	12 -	7/8 x 4 3/4 -	13 330.2	1 25.4	35.4 16.1
10 250	10.750 273.1	750 51.7	68,072 302.80	1/2 x 3 1/2 -	80 -	100 -	17 1/2 445	19 3/8 492	1 7/8 48	10 3/4 273	12 1/2 308	16 -	1 x 5 -	15 1/4 387.4	1 1/8 28.6	54.0 24.5
12 300	12.750 323.9	750 51.7	95,757 425.95	1/2 x 3 1/2 -	80 -	100 -	20 1/2 521	22 1/2 572	2 51	12 3/4 324	14 3/16 360	16 -	1 1/8 x 5 3/4 -	17 3/4 450.9	1 1/4 31.8	74.8 33.9

NOTES:

Effective sealing area of mating flange must be free from gouges, undulations or deformities of any type to ensure proper sealing of the gasket. Flange cannot be assembled directly to Series 7700 butterfly valve. Flange can be assembled to one side of series 7500 and 7600 valve.

For additional details see "Coupling Data Chart Notes" on page 17.
 * Available in ANSI or metric bolt sizes only as indicated.
 ▼ Based on use with standard wall pipe.
 § - For additional Bolt Torque information, see page 204.
 See Installation & Assembly directions or contact your Anvil Representative
 Not for use with copper systems.