

FIG. 7004 with EG® Gasket

Coupling



The Gruvlok Fig. 7004 Coupling with EG® Gasket uses the specially designed “End Guard” gasket for use with “EG” grooved pipe. The “EG” gasket has a center rib which extends between the pipes in order to provide pipe end protection, which makes it ideally suited for internally lined or coated pipe applications.

The Fig. 7004 Coupling with EG® Gasket permits working pressure ratings up to 2500 psi (172.4 bar).

Working Pressure and End Load values are based on “EG” cut grooved extra heavy steel pipe. Fig. 7004 provides a rigid joint and does not allow for expansion or contraction. Beveled end pipe should not be used with “EG” gaskets.

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 A563 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.

STAINLESS STEEL BOLTS & NUTS:

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

WORKING PRESSURE, END LOAD, PIPE END SEPARATION & DEFLECTION FROM CENTER LINE

Based on standard wall steel pipe with cut or roll grooves in accordance with Gruvlok specifications. See technical data section for design factors.

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 “T” Nitrile (Orange color code) EG Gasket

-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.

GASKET TYPE:

“EG” Style

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. 7004 with EG[®] Gasket Coupling

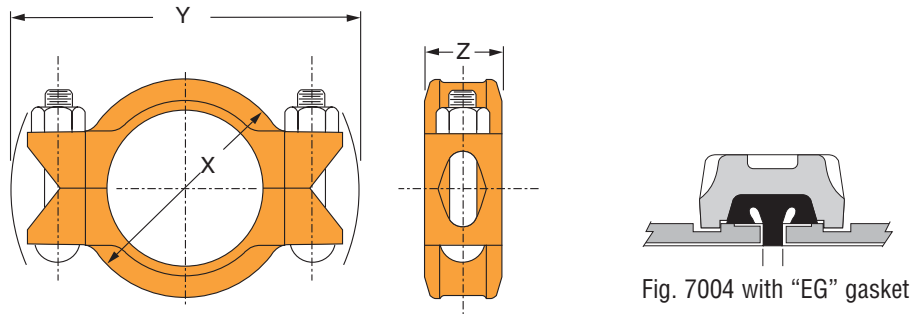


Fig. 7004 with "EG" gasket

FIGURE 7004 COUPLING WITH EG GASKET

Nominal Size	O.D.	Max. Wk. 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
2 50	2.375 60.3	2500 172.4	11,075 49.27	0 - 1/32 0 - 0.79	3 5/8 92	6 1/4 159	1 7/8 48	2	5/8 x 2 3/4 —	4.1 1.9
2 1/2 65	2.875 73.0	2500 172.4	16,230 72.19	0 - 1/32 0 - 0.79	4 1/4 108	6 7/8 175	1 7/8 48	2	5/8 x 3 1/2 M16 x 85	5.1 2.3
3 80	3.500 88.9	2500 172.4	24,053 106.99	0 - 1/32 0 - 0.79	4 7/8 124	7 1/2 191	1 7/8 48	2	5/8 x 3 1/2 M16 x 85	5.5 2.5
4 100	4.500 114.3	2500 172.4	39,761 176.86	0 - 3/32 0 - 2.38	6 1/4 159	9 1/2 241	2 1/4 57	2	3/4 x 4 1/2 M20 x 110	9.0 4.1
6 150	6.625 168.3	2000 137.9	68,943 306.67	0 - 3/32 0 - 2.38	8 3/4 222	12 1/8 308	2 1/4 57	2	7/8 x 5 1/2 M22 x 150	15.5 7.0
8 200	8.625 219.1	1500 103.4	87,639 389.84	0 - 3/32 0 - 2.38	11 1/8 283	14 7/8 378	2 5/8 67	2	1 x 5 1/2 —	25.6 11.6
10 250	10.750 273.1	1250 86.2	113,453 504.66	0 - 3/32 0 - 2.38	13 1/2 343	17 432	2 5/8 67	2	1 x 6 1/2 —	32.3 14.7
12 300	12.750 323.9	1250 86.2	159,595 709.92	0 - 3/32 0 - 2.38	15 7/8 403	19 1/4 489	2 5/8 67	2	1 x 6 1/2 —	43.9 19.9

For additional details, see coupling data chart notes on page 17.
Not for use in copper systems.