FIG. 7001-2

Standard Flexible Coupling

Gruvlok® introduces new 2-piece large diameter standard groove couplings in both rigid and flexible styles

- Uses standard grooves (conforming to AWWA C-606)
- No special grooves or grooving tools needed
- Pressures to 350 P.S.I. on cut or roll grooved pipe with a wall thickness of 0.250" or greater
- No special fittings needed
- No special valves needed
- Up to 23% less weight than competitive models
- Sizes: 14" through 24" in Flexible: Figure 7001-2

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.

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 "EP" EPDM** (Green and Red color code) Standard
-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.

☐ **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.

GASKET TYPE:
☐ Flush Gap (Standard)

LUBRICATION:
☐ Standard
☐ Gruvlok Xtreme™

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.

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

FIG. 7001-2

Standard Flexible Coupling

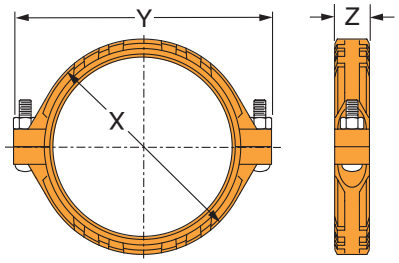

FIGURE 7001-2 STANDARD FLEXIBLE COUPLING

Nominal Size	O.D.	Max. Work. Pressure	Max. End Load	Range of Pipe End Separation	Deflection from ℄		Coupling Dimensions			Bolt Dimensions*		Specified Torque §		Approx. Wt. Ea.
					Per Coupling	of Pipe	X	Y	Z	Qty.	Size	Min.	Max.	
In./DN(mm)	*In./mm*	*PSI/bar*	*Lbs./kN*	*In./mm*	*Degrees(°)-Minutes(')*	*In./ft-mm/m*	*In./mm*	*In./mm*	*In./mm*		*In./mm*	*Ft.-Lbs/N-m*		*Lbs./kg*
14 *350*	14.000 *355.6*	350 *24.1*	53,878 *239.66*	0-3/32 *0-2.38*	0° 23'	0.08 *6.7*	16 1/4 *413*	19 3/4 *502*	3 *76*	2	7/8 x 5 1/2 –	180 *245*	220 *300*	36.0 *16.3*
16 *400*	16.000 *406.4*	350 *24.1*	70,372 *313.03*	0-3/32 *0-2.38*	0° 20'	0.07 *5.9*	18 5/16 *465*	22 *558*	3 *76*	2	1 x 5 1/2 –	250 *340*	300 *408*	45.0 *20.4*
18 *450*	18.000 *457.2*	350 *24.1*	89,064 *396.18*	0-3/32 *0-2.38*	0° 18'	0.06 *5.2*	20 3/4 *527*	24 1/4 *615*	3 1/8 *79*	2	1 x 5 1/2 –	250 *340*	300 *408*	60.0 *27.2*
20 *500*	20.000 *508.0*	350 *24.1*	109,956 *489.11*	0-3/32 *0-2.38*	0° 16'	0.06 *4.7*	23 *582*	27 1/8 *691*	3 1/8 *79*	2	1 1/8 x 5 1/2 –	375 *510*	425 *578*	72.5 *32.9*
24 *600*	24.000 *609.6*	350 *24.1*	158,336 *704.31*	0-3/32 *0-2.38*	0° 13'	0.05 *3.9*	27 1/4 *688*	31 1/8 *791*	3 3/16 *81*	2	1 1/8 x 5 1/2 –	375 *510*	425 *578*	90.0 *40.8*

Range of Pipe End Separation and Angular Deflection values are for roll grooved pipe and may be doubled for cut groove pipe.

See Installation & Assembly directions on page 155.