

FIG. 7001-2

Standard 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.

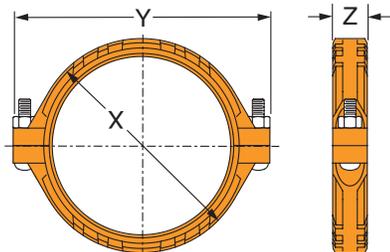


FIGURE 7001-2 STANDARD COUPLING

| Nominal Size | O.D. | Max. Work. Pressure | Max. End Load | Range of Pipe End Separation | Deflection from \mathcal{C} | | Coupling Dimensions | | | Bolt Dimensions* | | Specified Torque \mathcal{S} | | Approx. Wt. Ea. |
|--------------|--------|---------------------|---------------|------------------------------|-------------------------------|---------|---------------------|------------------|------------------|------------------|-----------------------------------|--------------------------------|------|-----------------|
| | | | | | Per Coupling | of Pipe | X | Y | Z | Qty. | Size | Min. | Max. | |
| | | | | | | | | | | | | | | |
| 14 | 14.000 | 350 | 53,878 | 0- $\frac{3}{32}$ | 0° 23' | 0.08 | 16 $\frac{1}{4}$ | 19 $\frac{3}{4}$ | 3 | 2 | $\frac{7}{8}$ x 5 $\frac{1}{2}$ | 180 | 220 | 36.0 |
| | 350 | 355.6 | 24.1 | 239.66 | 0-2.38 | 6.7 | 413 | 502 | 76 | | - | 245 | 300 | 16.3 |
| 16 | 16.000 | 350 | 70,372 | 0- $\frac{3}{32}$ | 0° 20' | 0.07 | 18 $\frac{5}{16}$ | 22 | 3 | 2 | 1 x 5 $\frac{1}{2}$ | 250 | 300 | 45.0 |
| | 400 | 406.4 | 24.1 | 313.03 | 0-2.38 | 5.9 | 465 | 558 | 76 | | - | 340 | 408 | 20.4 |
| 18 | 18.000 | 350 | 89,064 | 0- $\frac{3}{32}$ | 0° 18' | 0.06 | 20 $\frac{3}{4}$ | 24 $\frac{1}{4}$ | 3 $\frac{1}{8}$ | 2 | 1 x 5 $\frac{1}{2}$ | 250 | 300 | 60.0 |
| | 450 | 457.2 | 24.1 | 396.18 | 0-2.38 | 5.2 | 527 | 615 | 79 | | - | 340 | 408 | 27.2 |
| 20 | 20.000 | 350 | 109,956 | 0- $\frac{3}{32}$ | 0° 16' | 0.06 | 23 | 27 $\frac{1}{8}$ | 3 $\frac{1}{8}$ | 2 | 1 $\frac{1}{8}$ x 5 $\frac{1}{2}$ | 375 | 425 | 72.5 |
| | 500 | 508.0 | 24.1 | 489.11 | 0-2.38 | 4.7 | 582 | 691 | 79 | | - | 510 | 578 | 32.9 |
| 24 | 24.000 | 350 | 158,336 | 0- $\frac{3}{32}$ | 0° 13' | 0.05 | 27 $\frac{1}{4}$ | 31 $\frac{1}{8}$ | 3 $\frac{1}{16}$ | 2 | 1 $\frac{1}{8}$ x 5 $\frac{1}{2}$ | 375 | 425 | 90.0 |
| | 600 | 609.6 | 24.1 | 704.31 | 0-2.38 | 3.9 | 688 | 791 | 81 | | - | 510 | 578 | 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 157.