

## FIG. 7377

### Double Groove Coupling



Gruvlok Fig. 7377 is a flexible coupling utilizing double groove technology designed for high pressure piping applications. Fig. 7377 is specifically designed for use in mining, oil, gas, slurry, sludge, and hydraulic systems. The maximum working pressure for each pipe schedule and size are listed in the table below. Fig. 7377 is an ideal solution for high pressure applications, exceeding Anvil's Fig. 7004 capabilities. See page 227 for double groove piping dimensions.

### 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.

#### 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)

-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.

Additional gaskets available, please contact an Anvil Representative.

#### GASKET TYPE:

Standard C Style

End Guard

#### LUBRICATION:

Standard Gruvlok

Gruvlok Xtreme™

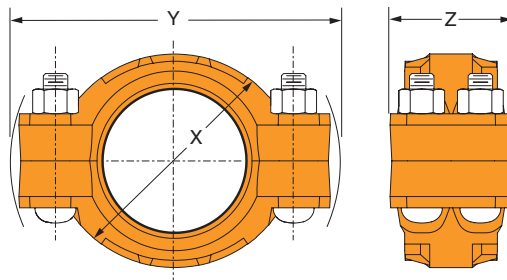


FIGURE 7377 DOUBLE GROOVE COUPLING

Nominal Size	O.D.	Schedule 160		Schedule 80		Range of Pipe End Separation		Coupling Dimensions			Coupling Bolts		Specified Torque §		Approx. Wt. Ea.
		Max. Working Pressure	Max. End Load	Max. Working Pressure	Max. End Load	Standard	End Guard	X	Y	Z	Qty.	Size	Min.	Max.	
In./DN(mm)	In./mm	PSI/bar	Lbs./kN	PSI/bar	Lbs./kN	In./mm	In./mm	In./mm	In./mm	In./mm		In./mm	Ft.-Lbs./N-m		Lbs./Kg
6	6.625	4,000	137,886	3,000	103,415	0.070 - 0.250	0.110 - 0.290	8¾	12¾	5	4	1 x 5½	450	525	42.6
150	168.3	275.8	613.3	206.8	460.0	1.78 - 6.35	2.79 - 7.37	225	324	127		-	-	-	19.3
8	8.625	3,500	204,492	3,000	175,279	0.060 - 0.250	0.132 - 0.322	11½	15¾	6	4	1½ x 6½	500	600	72.0
200	219.1	241.3	909.6	206.8	779.6	1.52 - 6.35	3.35 - 8.18	287	396	152		-	-	-	32.7
10	10.750	3,000	272,288	2,500	226,906	0.080 - 0.250	0.152 - 0.322	13½	18¾	6¾	4	1½ x 6½	500	600	98.3
250	273.1	206.8	1,211.1	172.4	1,009.3	2.03 - 6.35	3.86 - 8.18	343	476	156		-	-	-	44.6

For additional details see "Coupling Data Chart Notes" on page 17.  
§ – Lubricate bolts with Gruvlok Xtreme Lubricant.  
See Installation & Assembly directions on page 185.

## HIGH PRESSURE FITTINGS

Gruvlok End Guard fittings are fabricated from extra heavy (XS) materials. The groove conforms to Gruvlok End Guard cut grooving specification. These fittings may be used for high pressure systems and where lined or coated fittings are required. Gruvlok EG fittings conform to NACE STD-RP-04-72 (Contact an Anvil Representative with specific service details). End Guard fittings should only be used with Series 7004 Couplings and EG Gasket.

Double groove fittings available, please contact an Anvil Sales Representative.

FITTING SIZE			
Nominal Size	O.D.	Nominal Size	O.D.
In./DN(mm)	In./mm	In./DN(mm)	In./mm
1	1.315	3	3.500
25	33.7	80	88.9
1¼	1.660	4	4.500
32	42.4	100	114.3
1½	1.900	5	5.563
40	48.3	140	141.3
2	2.375	6	6.625
50	60.3	150	168.3
2½	2.875	8	8.625
65	73.0	200	219.1

**FIG. 7050 EG** - High Pressure 90° LR Elbow

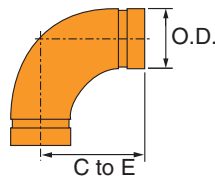


FIGURE 7050 EG, HIGH PRESSURE 90° LR ELBOW			
Nominal Size	O.D.	Center To-End	Approx. Wt. Ea.
In./DN(mm)	In./mm	In./mm	Lbs./Kg
2	2.375	¾	2.5
50	60.3	83	1.1
2½	2.875	¾	4.2
65	73.0	95	1.9
3	3.500	4¼	6.0
80	88.9	108	2.7
4	4.500	5	11.0
100	114.3	127	5.0
6	6.625	6½	27.2
150	168.3	165	12.4
8	8.625	*	*
200	219.1	*	*
10	10.750	*	*
250	273.0	*	*
12	12.750	*	*
300	323.9	*	*

\* Contact an Anvil Representative for more information.

### MATERIAL SPECIFICATIONS

**ELBOWS:** Extra strong forged steel fittings conforming to ASTM A 234 with welded tangents of schedule 80 steel pipe conforming to ASTM A 106.

**TEES & CROSSES:** Segment welded schedule 80 steel pipe conforming to ASTM A 106.

#### 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.

**FIG. 7051 EG** - High Pressure 45° LR Elbow

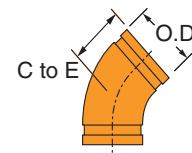


FIGURE 7051 EG, HIGH PRESSURE 45° LR ELBOW			
Nominal Size	O.D.	Center To-End	Approx. Wt. Ea.
In./DN(mm)	In./mm	In./mm	Lbs./Kg
2	2.375	2	1.8
50	60.3	51	0.8
2½	2.875	2¼	2.9
65	73.0	57	1.3
3	3.500	2½	4.3
80	88.9	64	2.0
4	4.500	3	7.5
100	114.3	76	3.4
6	6.625	3½	16.5
150	168.3	89	7.5