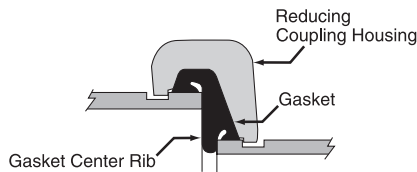


The Gruvlok® Figure 7010 Reducing Coupling makes it possible to directly connect two different pipe sizes, eliminating the need for two couplings and a reducing fitting. The specially designed reducing coupling gasket with a center rib assures proper positioning of the gasket and prevents the smaller pipe from telescoping into the larger during assembly. Working pressure ratings shown are for reference only and are based on Schedule 40 pipe. For the latest UL/ULC listed and FM approved pressure ratings versus pipe schedule, see [www.anvilstar.com](http://www.anvilstar.com) or contact your local AnvilStar Representative.

Figure 7010 Coupling complete with Grade "E" EPDM Gasket.



For Listing/Approval Details and Limitations, visit our website at [www.anvilstar.com](http://www.anvilstar.com) or contact an Anvil®/AnvilStar™ Sales Representative.

- Available galvanized.

## MATERIAL SPECIFICATIONS

### HOUSING:

Ductile Iron conforming to ASTM A-536, Grade 65-45-12  
Malleable Iron conforming to ASTM A-47, Grade 32510

### 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.

### COATINGS:

Rust inhibiting paint Color: ORANGE (standard)  
Hot Dipped Zinc Galvanized (optional)  
Other available options: Example: RAL3000 or RAL9000 Series  
For other coating requirements contact an AnvilStar Representative.

### LUBRICATION:

Standard Gruvlok  
Gruvlok Xtreme™ required for dry pipe systems and freezer applications.

### GASKETS: Materials

Properties as designated in accordance with ASTM D-2000.

#### Grade "E" EPDM (Green color code)

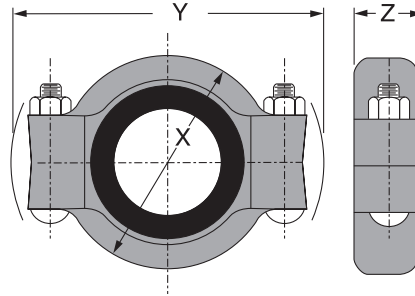
-40°F to 230°F (Service Temperature Range)(-40°C to 110°C)  
Recommended for water service, diluted acids, alkalis solutions, oil-free air and many chemical services.

NOT FOR USE IN PETROLEUM APPLICATIONS.

## PROJECT INFORMATION

## APPROVAL STAMP

<b>Project:</b>	<input type="checkbox"/> Approved
<b>Address:</b>	<input type="checkbox"/> Approved as noted
<b>Contractor:</b>	<input type="checkbox"/> Not approved
<b>Engineer:</b>	<b>Remarks:</b>
<b>Submittal Date:</b>	
<b>Notes 1:</b>	
<b>Notes 2:</b>	



**FIGURE 7010 REDUCING COUPLING**

Nominal Size	Larger O.D.	Smaller O.D.	Max. Working Pressure	Max. End Load	Range of Pipe End Separation	Deflection From $\mathcal{C}$		Coupling Dimensions			Coupling Bolts		Specified Torque §		Approx. Wt. Ea.
						Per Coupling	Pipe	X	Y	Z	Qty.	Size	Min.	Max.	
<i>In./DN(mm)</i>	<i>In./mm</i>	<i>In./mm</i>	<i>PSI/bar</i>	<i>Lbs./kN</i>	<i>In./mm</i>	<i>Degrees</i>	<i>mm/m</i>	<i>In./mm</i>	<i>In./mm</i>	<i>In./mm</i>		<i>In./mm</i>	<i>Ft.-Lbs./N-m</i>	<i>Lbs./Kg</i>	
2 x 1½ 50 x 40	2.375 60.3	1.900 48.3	500 34.5	2,215 9.85	0-½ 0-3.2	1° 53'	0.39 32.9	3½ 92	5½ 149	1½ 48	2	½ x 2¼ M12 x 70	80 110	100 150	2.0 0.9
2½ x 2 65 x 50	2.875 73.0	2.375 60.3	500 34.5	3,246 14.44	0-½ 0-3.2	1° 33'	0.32 27.0	4¼ 108	6½ 162	1½ 48	2	½ x 2¼ M12 x 70	80 110	100 150	3.5 1.6
3 x 2 80 x 50	3.500 88.9	2.375 60.3	500 34.5	4,811 21.40	0-½ 0-3.2	1° 17'	0.27 22.4	4½ 124	7½ 181	1½ 48	2	½ x 2¼ M12 x 70	80 110	100 150	4.4 2.0
3 x 2½ 80 x 65	3.500 88.9	2.875 73.0	500 34.5	4,811 21.40	0-½ 0-3.2	1° 17'	0.27 22.4	4½ 124	7½ 181	1½ 48	2	½ x 2¼ M12 x 70	80 110	100 150	4.1 1.9
4 x 2 100 x 50	4.500 114.3	2.375 60.3	500 34.5	7,952 35.37	0-¾ 0-4.8	2° 38'	0.55 45.9	6¼ 159	8½ 225	2 51	2	¾ x 3½ M16 x 85	100 135	130 175	8.9 4.0
4 x 2½ 100 x 65	4.500 114.3	2.875 73.0	500 34.5	7,952 35.37	0-¾ 0-4.8	2° 38'	0.55 45.9	6¼ 159	8½ 225	2 51	2	¾ x 3½ M16 x 85	100 135	130 175	7.9 3.6
4 x 3 100 x 80	4.500 114.3	3.500 88.9	500 34.5	7,952 35.37	0-¾ 0-4.8	2° 38'	0.55 45.9	6¼ 159	8½ 225	2 51	2	¾ x 3½ M16 x 85	100 135	130 175	6.7 3.0
5 x 4 125 x 100	5.563 141.3	4.500 114.3	500 34.5	12,153 54.06	0-¾ 0-6.4	2° 5'	0.44 36.4	7¼ 184	10½ 270	2½ 54	2	¾ x 4½ M20 x 110	130 175	180 245	11.4 5.2
6 x 4 150 x 100	6.625 168.3	4.500 114.3	500 34.5	17,236 76.67	0-¾ 0-6.4	1° 44'	0.36 30.2	8¼ 210	11½ 295	2½ 54	2	¾ x 4½ M20 x 110	130 175	180 245	13.4 6.1
6 x 5 150 x 125	6.625 168.3	5.562 141.3	500 34.5	17,236 76.67	0-¾ 0-6.4	1° 44'	0.36 30.2	8½ 216	11½ 295	2½ 54	2	¾ x 4½ M20 x 110	130 175	180 245	13.5 6.1
8 x 6 200 x 150	8.625 219.1	6.625 168.3	500 34.5	29,213 129.95	0-¾ 0-6.4	1° 15'	0.26 21.8	10½ 267	14 356	2¼ 57	2	¾ x 4½ M20 x 110	130 175	180 245	17.7 8.0

Not for use in copper system.

See technical data section for coupling data chart notes.

§ – For additional Bolt Torque information see Technical Data Section.

Other sizes available, see Gruvlok Catalog or contact an AnvilStar Representative.



**WARNING**

For dry pipe systems and freezer applications lubrication of the gasket is required, Gruvlok® Xtreme™ Lubricant is required.