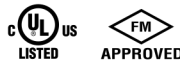
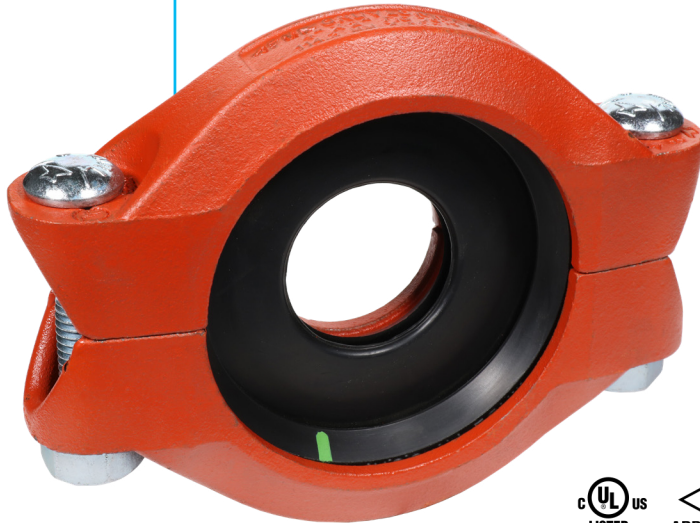


Reducing Coupling Fig. 7010



The Fig. 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. Fig. 7010 Reducing Coupling allows for working pressure ratings up to 500 PSI (34.5 bar). Not recommended for vacuum applications.

For Listings/Approval Details and Limitations, visit our website at www.asc-es.com or contact an ASC Engineered Solutions™ Sales Representative.

Material Specifications

Bolts

SAE J429, Grade 5, Zinc Electroplated
ISO 898-1, Class 8.8, Zinc Electroplated
followed by a Yellow Chromate Dip

Heavy Hex Nuts

ASTM A563, Grade A, Zinc Electroplated
ISO 898-2, Class 8.8, Zinc Electroplated
followed by a Yellow Chromate Dip

Material Specifications (continued)

Hardware Kits

- ☐ 304 Stainless Steel (available in sizes up to ¾")
Kit includes:
 - (2) Bolts per ASTM A193, Grade B8 and
 - (2) Heavy Hex Nuts per ASTM A194, Grade 8.
- ☐ EcoGuard (available in sizes up to ¾")
Kit includes:
 - (2) Bolts per SAE J429, Grade 5, with EcoGuard corrosion-resistant zinc flake coating and
 - (2) Heavy Hex Nuts per ASTM A563, Grade A, EcoGuard corrosion-resistant zinc flake coating.

Housing

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

Coatings

- ☐ Rust inhibiting paint
Color: Orange (standard)
- ☐ Hot Dipped Zinc Galvanized (optional)

Gaskets

Properties as designated in accordance with ASTM D2000

- ☐ **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, alkalies solutions, oil-free air and many other chemical services.
NOT FOR USE IN PETROLEUM APPLICATIONS.
- ☐ **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.

Lubrication

- ☐ Standard Gruvlok
- ☐ Gruvlok Xtreme (Do Not use for 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:	

Reducing Coupling Fig. 7010

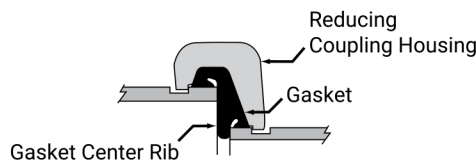
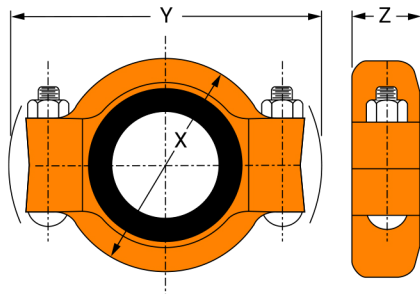


Fig. 7010 Coupling with Gasket

Nominal Size	Larger O.D.	Smaller O.D.	Max. Working Pressure †	Max. End Load	Range of Pipe End Separation	Deflection From C of Pipe	Coupling Dimensions	Coupling Bolts	Specified Torque S	Approx. Wt. Ea.					
In./DN(mm)	In./mm	In./mm	PSI/bar	Lbs./kN	In./mm	Deg(°)-Min(')	In./Ft.-mm/m	X	Y	Z	Qty.	Size	Min.	Max.	
2 x 1½ 50 x 40	2.375 60.3	1.900 48.3	500 34.5	2,215 9.85	0-1/32 0-0.79	0° 45'	0.16 13.1	3⅝ 92	5⅞ 149	1⅞ 48	2	½ x 2¾ M12 x 76	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	0-1/32 0-0.79	0° 37'	0.13 10.9	4¼ 108	6⅜ 162	1⅞ 48	2	½ x 2¾ M12 x 76	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	0-1/32 0-0.79	0° 31'	0.11 8.9	4⅞ 124	7⅞ 181	1⅞ 48	2	½ x 2¾ M12 x 76	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	0-1/32 0-0.79	0° 31'	0.11 8.9	4⅞ 124	7⅞ 181	1⅞ 48	2	½ x 2¾ M12 x 76	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	0-3/32 0-2.38	1° 12'	0.25 20.8	6¼ 159	8⅞ 225	2 51	2	⅝ x 3½ M16 x 95	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	0-3/32 0-2.38	1° 12'	0.25 20.8	6¼ 159	8⅞ 225	2 51	2	⅝ x 3½ M16 x 95	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	0-3/32 0-2.38	1° 12'	0.25 20.8	6¼ 159	8⅞ 225	2 51	2	⅝ x 3½ M16 x 95	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	0-3/32 0-2.38	1° 58'	0.20 16.8	7¼ 184	10⅝ 270	2⅞ 54	2	¾ x 4½ M20 x 115	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	0-3/32 0-2.38	0° 49'	0.17 14.1	8¼ 210	11⅝ 295	2⅞ 54	2	¾ x 4½ M20 x 115	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	0-3/32 0-2.38	0° 49'	0.17 14.1	8½ 216	11⅝ 295	2⅞ 54	2	¾ x 4½ M20 x 115	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	0-3/32 0-2.38	0° 37'	0.13 10.9	10½ 267	14 356	2¼ 57	2	¾ x 4½ M20 x 115	130 175	180 245	17.7 8.0

Notes:

Fig. 7010 Reducing Coupling should not be used with end caps in systems where a vacuum may be developed. Contact your ASC Engineered Solutions™ Representative for details.

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

See the Technical Data Section of the Gruvlok Catalog for details.

For Misalignment, Deflection and Curve Layout Calculations, refer to the Technical Data Section of the Gruvlok Catalog.

† Maximum Working Pressure Rating is for schedule 40 steel pipe. For light wall, stainless steel, aluminum and ISO pipe pressure ratings, please refer to the technical data section.

For additional details see "Coupling Data Chart Notes" in the Introduction Section of the Gruvlok Catalog.

§ – For additional Bolt Torque information, see the Technical Data Section of the Gruvlok Catalog.

See Installation & Assembly directions on next page.

Not for use in copper systems.



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