

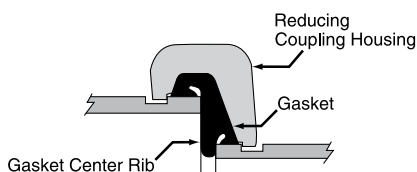
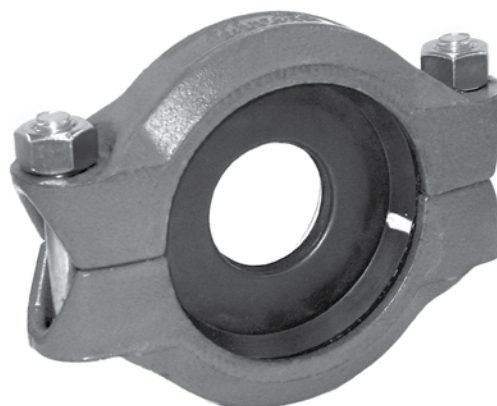
FIG. RC-2 Reducing Coupling



The Model RC-2 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, LPCB, VdS and FM Approved pressure ratings versus pipe schedule, see www.anvilintl.com or contact your local Anvil Representative.

Model RC-2 Coupling complete with Grade "E" EPDM Gasket.



For Listings/Approval Details and Limitations, visit our website at www.anvilintl.com or contact an Anvil® Sales Representative.

MATERIAL SPECIFICATIONS

HOUSING:

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

ANSI BOLTS & HEAVY HEX NUTS:

Heat treated, oval-neck track head bolts conforming to the physical properties of SAE J429 Grade 5 with a minimum tensile strength of 120,000 psi and heavy hex nuts of carbon steel conforming to ASTM A-563 Grade A, or J995 Grade 2. Bolts and nuts are provided zinc electroplated as standard.

METRIC BOLTS & HEAVY HEX NUTS:

Heat treated, zinc electroplated oval-neck track head bolts made of carbon steel with mechanical properties per ISO 898-1 Class 8.8. Hex nuts and bolts are zinc electroplated followed by a yellow chromate dip.

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 Anvil Representative.

LUBRICATION:

- Standard Gruvlok
- Gruvlok Xtreme™ required for freezer applications.

GASKETS: Materials

Properties as designated in accordance with ASTM D-2000.

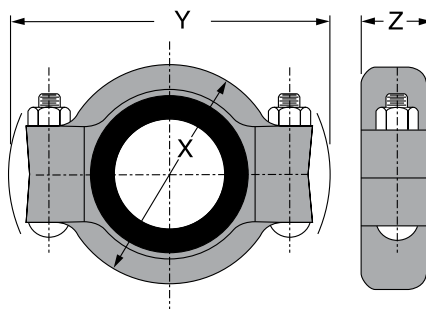
- Grade "E" EPDM (Green color code)
 - 40°F to 230°F (Service Temperature Range)(-40°C to 110°C)
 - Recommended for water service, diluted acids, alkalies solutions, oil-free air and many chemical services.
 - NOT FOR USE IN PETROLEUM APPLICATIONS.

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:	

FIG. RC-2 Reducing Coupling



RC-2 REDUCING COUPLING

Nominal Size	Larger O.D.	Smaller O.D.	Max. Working Pressure▲	Max. End Load	Range of Pipe End Separation	Deflection From \perp		Coupling Dimensions			Coupling Bolts		Specified Torque §		Approx. Wt. Ea.
						Per Coupling	Pipe	X	Y	Z	Qty.	Size	Min.	Max.	
In./DN(mm)	In./mm	In./mm	PSI/bar	Lbs./kN	In./mm	Degrees	In./Ft. mm/m	In./mm	In./mm	In./mm		In./mm	Ft.-Lbs./N-m	Lbs./Kg	
2 x 1½ 50 x 40	2.375 60.3	1.900 48.3	300 20.7	1,329 5.19	0-½/32 0-0.79	0° 45'	0.16 13.1	3⅝ 92	5⅝ 149	1⅝ 48	2	½ x 2¼ M12 x 76	80 110	110 150	2.0 0.9
2½ x 2 65 x 50	2.875 73.0	2.375 60.3	300 20.7	1,948 8.67	0-½/32 0-0.79	0° 37'	0.13 10.9	4¼ 108	6⅝ 162	1⅝ 48	2	½ x 2¼ M12 x 76	80 110	110 150	3.5 1.6
3 O.D. x 2 76 x 60	2.996 76.1	2.375 60.3	300 20.7	2,115 9.41	0-½ 0-3.2	0° 36'	0.12 9.9	4¼ 108	6⅝ 162	1⅝ 48	2	½ x 2¼ M12 x 76	80 110	110 150	3.3 1.5
3 x 2 80 x 50	3.500 88.9	2.375 60.3	300 20.7	2,886 12.84	0-½/32 0-0.79	0° 31'	0.11 8.9	4⅞ 124	7⅝ 181	1⅝ 48	2	½ x 2¼ M12 x 76	80 110	110 150	4.4 2.0
3 x 2½ 80 x 65	3.500 88.9	2.875 73.0	300 20.7	2,886 12.84	0-½/32 0-0.79	0° 31'	0.11 8.9	4⅞ 124	7⅝ 181	1⅝ 48	2	½ x 2¼ M12 x 76	80 110	110 150	4.1 1.9
3 x 3 O.D. 88 X 76	3.500 88.9	2.996 76.1	300 20.7	2,886 12.84	0-½ 0-3.2	0° 31'	0.11 8.9	4⅞ 124	7⅝ 181	1⅝ 48	2	½ x 2¼ M12 x 76	80 110	110 150	4.0 1.8
4 x 2 100 x 50	4.500 114.3	2.375 60.3	300 20.7	4,771 21.22	0-¾/32 0-2.38	1° 12'	0.25 20.8	6¼ 159	8⅝ 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	300 20.7	4,771 21.22	0-¾/32 0-2.38	1° 12'	0.25 20.8	6¼ 159	8⅝ 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	300 20.7	4,771 21.22	0-¾/32 0-2.38	1° 12'	0.25 20.8	6¼ 159	8⅝ 225	2 51	2	⅝ x 3½ M16 x 95	100 135	130 175	6.7 3.0
4 x 3 O.D. 114 X 76	4.500 114.3	2.996 76.1	300 20.7	4,771 21.22	0-¾/32 0-4.8	1° 12'	0.25 20.8	6¼ 159	8⅝ 225	2 51	2	⅝ x 3½ M16 x 95	100 135	130 175	7.6 3.5
5½ O.D. x 4 139 X 114	5.500 139.7	4.500 114.3	300 20.7	7,128 31.71	0-¾/16 0-4.8	1° 58'	0.20 10.8	7¼ 184	10⅝ 270	2⅝ 54	2	¾ x 4½ M20 x 115	100 135	130 175	11.4 5.2
5 x 3 125 x 80	5.563 141.3	3.500 88.9	300 20.7	7,292 32.44	0-¾/4 0-6.4	1° 58'	0.20 16.8	7¼ 184	10⅝ 270	2⅝ 54	2	¾ x 4½ M20 x 115	130 175	180 245	10.4 4.7
5 x 4 125 x 100	5.563 141.3	4.500 114.3	300 20.7	7,292 32.44	0-¾/32 0-2.38	1° 58'	0.20 16.8	7¼ 184	10⅝ 270	2⅝ 54	2	¾ x 4½ M20 x 115	130 175	180 245	11.4 5.2
6½ O.D. x 3 165 X 88	6.500 165.1	3.500 88.9	300 20.7	9,955 44.28	0-¾/4 0-6.4	1° 20'	0.26 18.2	8¼ 210	11⅝ 295	2⅝ 54	2	¾ x 4½ M20 x 115	130 175	180 245	15.0 6.8
6½ O.D. x 4 165 X 114	6.500 165.1	4.500 114.3	300 20.7	9,955 44.28	0-¾/4 0-6.4	1° 20'	0.26 18.2	8¼ 210	11⅝ 295	2⅝ 54	2	¾ x 4½ M20 x 115	130 175	180 245	13.6 6.2
6 x 4 150 x 100	6.625 168.3	4.500 114.3	300 20.7	10,341 46.00	0-¾/32 0-2.38	0° 49'	0.17 14.1	8¼ 210	11⅝ 295	2⅝ 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	300 20.7	10,341 46.00	0-¾/32 0-2.38	0° 49'	0.17 14.1	8¼ 216	11⅝ 295	2⅝ 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	300 20.7	17,528 77.97	0-¾/32 0-2.38	0° 37'	0.13 10.9	10½ 267	14 365	2¼ 57	2	¾ x 4½ M20 x 115	130 175	180 245	17.7 8.0
8 x 6½ O.D. 219 X 165	8.625 219.1	6.500 165.1	300 20.7	17,528 77.97	0-¾/4 0-6.4	0° 37'	0.13 10.9	10½ 267	14 365	2¼ 57	2	¾ x 4½ M20 x 115	130 175	180 245	18.3 8.3

Not for use in copper systems.

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

See technical data section for coupling data chart notes.

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

▲ - Working Pressure Ratings are for reference only and based on Sch. 40 pipe. For the latest UL/ULC, FM, VdS and LPCB pressure ratings versus pipe schedule, please visit anvilint.com or contact your local Anvil Representative.

Other sizes available, contact an Anvil Representative.