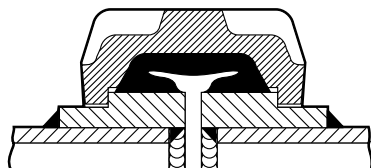


Style 41 Vic-Ring® Coupling

PRODUCT DESCRIPTION



Exaggerated for clarity

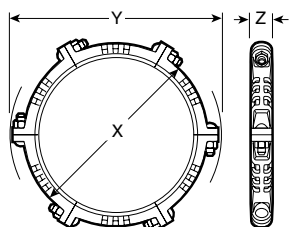
Style 41 couplings are commonly used with Type "E" Vic-Ring adapters and are designed to provide a strong component for use on steel pipe with applied Vic-Ring adapters. Many sizes may be used on pipe with cast shoulders.

Style 41 sizes 30 - 38" (750 - 950 mm) are cast in six segments; 42 - 54" (1050 - 1375 mm) sizes in eight segments; 60" (1524 mm) in 10 segments and 66" (1675 mm) in 12 segments, to assure concentricity and ease of handling.

Style 41 Vic-Ring couplings are supplied with "E" or "T" gaskets. FlushSeal® gaskets are available upon request.

All sizes are supplied painted with alkyd phenolic primer and with plated nuts and bolts.

DIMENSIONS



30 - 38" sizes

Pipe Size		Coupling Dimensions Inches/millimeters			Bolt Dimensions Inches/millimeters		Approx. Weight Each Lbs. kg
Nominal Diameter In./mm	Actual Outside Diameter In./mm	Height X	Width Y	Depth Z	No.	Diameter X Length	
30 750	30.000 762,0	36.25 921	41.38 1051	5.00 127	6	1 ¹ / ₈ X 5 ¹ / ₂	178.0 80,7
36 900	36.000 914,0	42.50 1080	47.13 1197	5.13 130	6	1 ¹ / ₈ X 5 ¹ / ₂	205.0 93,0
38 950	38.000 965,2	44.25 1124	49.25 1251	5.13 130	6	1 ¹ / ₄ X 5 ¹ / ₂	220.0 99,8
42 1050	42.000 1067,0	49.13 1248	55.50 1409	5.13 130	8	1 ³ / ₈ X 5 ³ / ₄	270.0 122,5
46 1150	46.000 1168,4	52.25 1327	59.13 1502	5.38 137	8	1 ¹ / ₂ X 5 ³ / ₄	330.0 149,7
48 1200	48.000 1219,2	55.75 1416	62.75 1594	5.25 133	8	1 ⁵ / ₈ X 6	390.0 176,9
54 1375	54.000 1371,6	62.25 1581	70.00 1778	5.38 137	8	1 ³ / ₄ X 6	470.0 213,2
60 1500	60.000 1524,0	68.63 1743	76.50 1943	5.50 140	10	1 ⁷ / ₈ X 6	570.0 258,6
66 1675	66.000 1676,4	74.83 1901	81.25 2064	5.63 143	24	1 ¹ / ₂ X 5 ³ / ₄	750.0 340,2

PERFORMANCE

1		2	3	4	5	6	7	8		9
Pipe Size		Cast Shoulder O.D. Inches mm	Applied Vic-Ring Adapter O.D. Inches mm	Max. Joint Work. Press. PSI kPa	Max. Permiss. End Load Lbf/N	Pipe End Sep. § ‡ Min. - Max. Inches mm	Max. Allow. Pipe End Move. § ‡ Inches mm	Max. Deflect. from Center Line § ‡		
Nominal Dia. In./mm	Actual Outside Dia.							Degrees Per Cplg.	Foot/meter of Pipe	
30 750	30.000 762,0	33.000 838,2	33.000 838,2	90 620	77,000 342500	0- 1/2 0 - 12,7	1/2 12,7	0° - 52'	0.18 0,05	
36 900	36.000 914,0	39.156 994,6	39.156 994,6	90 620	108,400 482150	0- 1/2 0 - 12,7	1/2 12,7	0° - 44'	0.16 0,05	
38 950	38.000 965,2	40.938 1039,8	40.938 1039,8	90 620	118,400 526650	0- 1/2 0 - 12,7	1/2 12,7	0° - 42'	0.14 0,04	
42 1050	42.000 1067,0	45.562 1157,3	45.562 1157,3	90 620	146,700 652550	0- 1/2 0 - 12,7	1/2 12,7	0° - 38'	0.13 0,04	
46 1150	46.000 1168,4	48.750 1238,3	48.750 1238,3	90 620	168,000 747300	0- 1/2 0 - 12,7	1/2 12,7	0° - 35'	0.12 0,04	
48 1200	48.000 1219,2	52.000 1320,8	52.000 1320,8	90 620	191,000 849600	0- 1/2 0 - 12,7	1/2 12,7	0° - 33'	0.11 0,03	
54 1375	54.000 1371,6	58.500 1485,9	58.500 1485,9	90 620	242,000 1076450	0- 1/2 0 - 12,7	1/2 12,7	0° - 30'	0.10 0,03	
60 1500	60.000 1524,0	64.687 1643,0	64.687 1643,0	90 620	295,700 1315300	0- 1/2 0 - 12,7	1/2 12,7	0° - 27'	0.09 0,03	
66 1675	66.000 1676,4	70.750 1797,1	70.750 1797,1	90 620	353,900 1574200	0- 1/2 0 - 12,7	1/2 12,7	0° - 24'	0.08 0,02	

COLUMN 1 - Victaulic couplings are identified by nominal pipe size.

COLUMN 2 - Nominal cast shoulder diameter on pipe of AWWA diameter (as per Fed. Spec. WW-P 421b and ASA A21.6 and A21.8).

COLUMN 3 - Nominal Vic-Ring adapter outside diameter.

COLUMN 4 - Maximum line pressure, including surge, to which the joint may be subjected, depending upon steel pipe wall thickness and properly applied Vic-Ring adapter.

COLUMN 5 - Maximum end load from all internal and/or external forces to which the joint should be subjected under working conditions.

COLUMN 6 - Range of pipe end separation normally available with above couplings.

COLUMN 7 - Maximum linear movement available at joints made with the above couplings, subject to tolerances (Request 26.01). Movement is the difference between minimum and maximum pipe end separation (Request 26.01 and refer to Linear Movement Tolerance on page 2).

COLUMNS 8 & 9 - Maximum allowable deflection of pipe from centerline, subject to tolerances (Request 26.01 and refer to Angular Movement Tolerance on page 2).

† FOR ONE TIME FIELD TEST ONLY, the Maximum Joint Working Pressure (COLUMN 4) may be increased to 1 1/2 times the figures shown.

§ Maximum Pipe (COLUMN 7) will be reduced by Deflection (COLUMNS 8 & 9) and vice versa.

‡ Refer to Design Data for information on tolerances and pipe gap settings.

MATERIAL SPECIFICATIONS

Housing: Ductile iron conforming to ASTM A-536, grade 65-45-12. Ductile iron conforming to ASTM A-395, grade 65-45-15, is available upon special request.

Housing Coating: Alkyd phenolic primer

- **Optional:** Hot dipped galvanized and others

Coupling Gasket: (specify choice*)

- **Grade "E" EPDM**

EPDM (Green color code). Temperature range -30°F to +230°F (-34°C to +110°C). Recommended for cold and hot water service within the specified temperature range plus a variety of dilute acids, oil-free air and many chemical services. UL classified in accordance with ANSI/NSF 61 for cold +86°F (+30°C) and hot +180°F (+82°C) potable water service. NOT RECOMMENDED FOR PETROLEUM SERVICES.

- **Grade "T" nitrile**

Nitrile (Orange color code). Temperature range -20°F to +180°F (-29°C to +82°C). Recommended for petroleum products, air with oil vapors, vegetable and mineral oils within the specified temperature range. Not recommended for hot water services over +150°F (+66°C) or for hot dry air over +140°F (+60°C).

*Services listed are General Service Recommendations only. It should be noted that there are services for which these gaskets are not recommended. Reference should always be made to the latest Victaulic Gasket Selection Guide for specific gasket service recommendations and for a listing of services which are not recommended.

Bolts/Nuts: Heat-treated plated carbon steel, trackhead meeting the physical and chemical requirements of ASTM A-449 and physical requirements of ASTM A-183.

- **Optional:** Type 316 stainless steel, Grade B-8M, Class 2.

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.