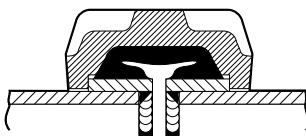


## Style 22 Vic-Ring® Coupling

### PRODUCT DESCRIPTION



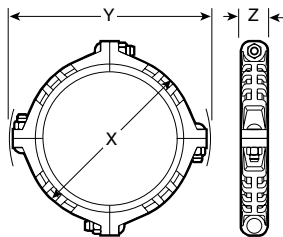
Exaggerated for clarity

Style 22 couplings are designed with cross-ribbed construction to provide a strong component for Vic-Ring adapter prepared piping systems. Style 22 couplings are designed primarily for use with Type "A" Vic-Ring adapters, depending upon sizes and pressures.

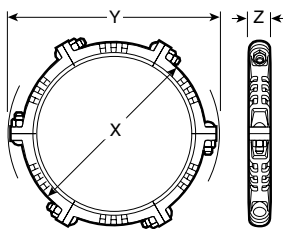
Sizes 17 - 24" (425 - 600 mm) are cast in four segments; 30" through 36" (750 - 900 mm) in six segments and 60" (1500 mm) in 10 segments, to assure concentricity and ease of handling.

Style 22 couplings are supplied with "E" or "T" gaskets. FlushSeal® gaskets are available upon request. All sizes are supplied painted and with plated nuts and bolts.

### DIMENSIONS



17 - 24" sizes



30 - 36" sizes

SIZE Nominal Inches mm	Vic-Ring Outside Dia. Inches millimeters	Coupling Dimensions Inches/millimeters			Bolt Dimensions Inches/millimeters			Approx. Weight Each Lbs. kg
		Height X	Width Y	Depth Z	No.	Diameter X Length		
17 425	17.031 432,6	20.06 510	23.41 595	3.06 78	4	1	X 5 1/2	62.0 28,1
20 500	20.969 532,6	24.25 616	28.25 718	3.69 94	4	1	X 3 1/2	85.0 38,6
24 600	24.750 628,6	28.38 721	31.97 812	3.44 87	4	1 1/8	X 5 1/2	125.0 56,7
30 750	31.000 787,4	36.25 921	40.45 1027	5.00 127	6	1	X 5 1/2	138.0 62,6
33 832	36.000 914,4	39.31 998	44.04 1119	5.00 127	6	1 1/4	X 5 1/2	195.0 88,5
36 900	38.000 965,2	42.00 1067	47.39 1204	4.75 121	6	1 1/2	X 5 3/4	250.0 113,4
60 1500	63.500 1612,9	67.38 1712	73.82 1875	4.88 124	10	1 5/8	X 6	455.0 206,4

## PERFORMANCE

1  SIZE Nominal Inches mm	2  Vic-Ring Adapter Outside Dia. Inches mm	3  Max. Joint Work. Press. † PSI kPa	4  Max. Permiss. End Load Lbf/N	5  Pipe End Separation § ‡ Min. - Max. Inches	6  Max. Allow. Pipe End Movement § ‡ Inches mm	8  Maximum Deflection from Center Line § ‡	
						7  Degrees Per Coupling	Foot/meter of Pipe
17 425	17.031 432,6	200 1379	45,500 202400	0 - 3/16	3/16 4,8	0°- 37'	0.12 0,04
20 500	20.969 532,6	200 1379	69,000 306900	0 - 1/4	1/4 6,4	0°- 41'	0.14 0,04
24 600	24.750 628,6	200 1379	96,000 427000	0 - 1/4	1/4 6,4	0°- 35'	0.12 0,04
30 750	31.000 787,4	150 1034	113,000 502650	0 - 1/4	1/4 6,4	0°- 27'	0.09 0,03
33 832	36.000 914,4	90 620	91,500 407000	0 - 1/2	1/2 12,7	0°- 48'	0.16 0,05
36 900	38.000 965,2	90 620	102,000 453700	0 - 3/8	3/8 9,7	0°- 34'	0.12 0,04
60 1500	63.500 1612,9	50 345	158,000 702800	0 - 3/8	3/8 9,7	0°- 20'	0.07 0,02

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

COLUMN 2 - Vic-Ring adapter outside dimension.

COLUMN 3 - Maximum line pressure, including surge, to which the joint may be subjected, when coupling is used with standard weight steel pipe and properly applied Vic-Ring adapter. Contact Victaulic for performance data on pipe of other material or wall thickness.

COLUMN 4 - Maximum end load from all internal and/or external forces to which the joint should be subjected under working conditions.

COLUMN 5 - Range of pipe end separation normally available with above couplings.

COLUMN 6 - 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 7 & 8 - 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 3) may be increased to 1 1/2 times the figures shown.

§ Maximum Pipe (COLUMN 6) will be reduced by Deflection (COLUMNS 7 & 8) 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:** Orange enamel

- **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.