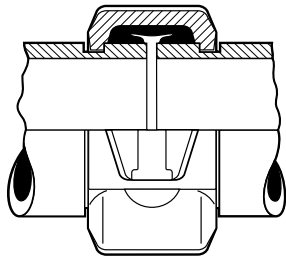


Victaulic® Flexible Coupling Style 75



Exaggerated for clarity

Approvals/Listings



See Victaulic [publication 10.01](#) for details

See Victaulic [publication 02.06](#) for portable water approvals if applicable.

Product Description

Style 75 is available where moderate pressures are expected or weight considerations are a factor. Up to 50% lighter in weight than the Style 77, the Style 75 coupling is recommended for service up to 500 psi/3450 kPa depending on size. Housings are cast in two identical pieces in all sizes. Hot-dip galvanized and special coatings are available for all sizes.

The Victaulic standard flexible coupling offering for grade “EHP” or “T” gaskets is the Style 177 installation-ready flexible coupling. For all available sizes, the Style 177 is the standard flexible coupling Victaulic supplies in North America for piping systems using Grade “EHP” or “T” gaskets. Contact Victaulic for further details.

Performance data presented in this document is based on use with standard wall, carbon steel pipe. For use with stainless steel pipe, please reference [publication 17.09](#) for pressure ratings and end loads. When used on light wall stainless steel pipe, the Victaulic RX roll set must be used to roll groove the pipe. For further information regarding roll grooving stainless steel, refer to [publication 17.01](#).

Job/Owner

System No.	
Location	

Contractor

Submitted By	
Date	

WARNING

- **Victaulic RX roll sets must be used when grooving light-wall/thin-wall stainless steel pipe for use with Victaulic Couplings. Failure to use Victaulic RX roll sets when grooving light-wall/thin-wall stainless steel pipe may cause joint failure, resulting in serious personal injury and/or property damage.**

NOTICE

- **Victaulic RX grooving rolls must be ordered separately. They are identified by a silver color and the designation RX on the front of the roll sets.**

Engineer

Spec Section	
Paragraph	
Approved	
Date	

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.

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

Housing Coating: (specify choice)

Standard: Orange enamel.

Optional: Hot dipped galvanized and others.

Gasket: (specify choice¹)

NOTE: Additional gasket styles are available. Contact Victaulic for details.

Grade "E" EPDM

EPDM (Green stripe color code). Temperature range -30°F to +230°F/-34°C to +110°C. May be specified 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 +73°F/+23°C and hot +180°F/+82°C potable water service and ANSI/NSF 372. NOT COMPATIBLE FOR PETROLEUM SERVICES.

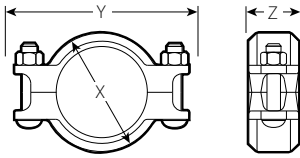
Grade "T" Nitrile

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

¹ Services listed are General Service Guidelines only. It should be noted that there are services for which these gaskets are not compatible. Reference should always be made to the latest [Victaulic Gasket Selection Guide](#) for specific gasket service guidelines and for a listing of services which are not compatible.

Dimensions

Style 75



Nominal Size	Actual Outside Diameter	Maximum Working Pressure ²	Maximum End Load ²	Allow. Pipe End Separation ³	Deflection from Centerline ³		Bolt/Nut ⁴	Dimensions			Approx. Weight Each
					Per Cplg. Degrees	Pipe inches/ft. mm/m		X	Y	Z	
inches mm	inches mm	psi kPa	lbs. N	inches mm			(No.) size inches	inches mm	inches mm	inches mm	lbs. kg
1 25	1.315 33.4	500 3450	680 3025	0-0.06 0-1.6	2°-43'	0.57 48	2- 3/8 x 2	2.38 61	4.27 108	1.77 45	1.3 0.6
1 1/4 32	1.660 42.2	500 3450	1080 4805	0-0.06 0-1.6	2°-10'	0.45 38	2- 3/8 x 2	2.68 68	4.61 117	1.77 45	1.4 0.6
1 1/2 40	1.900 48.3	500 3450	1420 6320	0-0.06 0-1.6	1°-56'	0.40 33	2- 3/8 x 2	2.91 74	4.82 122	1.77 45	1.5 0.6
2 50	2.375 60.3	500 3450	2215 9860	0-0.06 0-1.6	1°-31'	0.32 26	2- 3/8 x 2	3.43 87	5.22 133	1.88 48	1.7 0.8
2 1/2 65	2.875 73.0	500 3450	3245 14440	0-0.06 0-1.6	1°-15'	0.26 22	2- 3/8 x 2	3.88 98	5.68 144	1.88 48	1.9 0.9
76.1 mm	3.000 76.1	500 3450	3535 15730	0-0.06 0-1.6	1°-12'	0.26 22	2- 3/8 x 2	4.00 102	5.90 150	1.88 48	1.9 0.9
3 80	3.500 88.9	500 3450	4800 21360	0-0.06 0-1.6	1°-2'	0.22 18	2- 1/2 x 2 3/4	4.50 114	7.00 178	1.88 48	2.9 1.3
3 1/2 90	4.000 101.6	500 3450	6300 28035	0-0.06 0-1.6	0°-54'	0.19 16	2- 1/2 x 2 3/4	5.00 127	7.50 191	1.88 48	2.9 1.3
4 100	4.500 114.3	500 3450	7950 35380	0-0.13 0-3.2	1°-36'	0.34 28	2- 1/2 x 2 3/4	5.80 147	8.03 204	2.13 54	4.1 1.9
108.0 mm	4.250 108.0	450 3100	6380 28395	0-0.13 0-3.2	1°-41'	0.35 29	2- 12 x 70	5.55 141	7.79 198	2.13 54	3.7 1.7
4 1/2 120	5.000 127.0	450 3100	8820 39250	0-0.13 0-3.2	1°-26'	0.25 21	2- 5/8 x 3 1/4	6.13 156	9.43 240	2.13 54	5.5 2.5
5 125	5.563 141.3	450 3100	10935 48660	0-0.13 0-3.2	1°-18'	0.27 23	2- 5/8 x 3 1/4	6.88 175	10.07 256	2.13 54	5.8 2.6
133.0 mm	5.250 133.0	450 3100	9735 43325	0-0.13 0-3.2	1°-21'	0.28 24	2- 16 x 82.5	6.55 166	9.37 238	2.13 54	6.0 2.7
139.7 mm	5.500 139.7	450 3100	10665 47460	0-0.13 0-3.2	1°-18'	0.28 24	2- 5/8 x 3 1/4	6.80 173	9.59 244	2.13 54	6.3 2.9
152.4 mm	6.000 152.4	450 3100	12735 56670	0-0.13 0-3.2	1°-12'	0.21 18	2- 5/8 x 3 1/4	7.38 187	10.48 266	1.88 48	6.2 2.8
6 150	6.625 168.3	450 3100	15525 69085	0-0.13 0-3.2	1°-5'	0.23 18	2- 5/8 x 3 1/4	8.00 203	11.07 281	2.13 54	7.0 3.2
159.0 mm	6.250 159.0	450 3100	13800 61405	0-0.13 0-3.2	1°-9'	0.24 20	2- 16 x 82.5	7.63 194	10.49 266	2.13 54	6.8 3.1
8 200	8.625 219.1	450 3100	26280 116945	0-0.13 0-3.2	0°-50'	0.18 14	2- 3/4 x 4 1/4	10.34 263	13.97 355	2.13 59	12.4 5.6

2 Working Pressure and End Load are total, from all internal and external loads, based on standard weight (ANSI) steel pipe, standard **roll** or **cut** grooved in accordance with Victaulic specifications. Contact Victaulic for performance on other pipe.

3 Allowable Pipe End Separation and Deflection figures show the maximum nominal range of movement available at each joint for standard **roll** grooved pipe. Figures for standard **cut** grooved pipe may be doubled. These figures are maximums; for design and installation purposes these figures should be reduced by: 50% for 3/4 - 3 1/2"/20 - 90 mm; 25% for 4"/100 mm and larger.

4 Number of bolts required equals number of housing segments.

General Notes

Metric thread size bolts are available (color coded gold) for all coupling sizes upon request. Contact Victaulic for details.

WARNING: FOR ONE TIME FIELD TEST ONLY, the Maximum Joint Working Pressure may be increased to 1 1/2 times the figures shown.

Installation

Reference should always be made to the [I-100 Victaulic Field Installation Handbook](#) for the product you are installing. Handbooks are included with each shipment of Victaulic products for complete installation and assembly data, and are available in PDF format on our website at www.victaulic.com.

Warranty

Refer to the Warranty section of the current Price List or contact Victaulic for details.

Note

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.

Trademarks

Victaulic® is a registered trademark of Victaulic Company.