

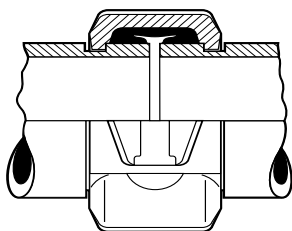
# Style 75 Coupling

## 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.

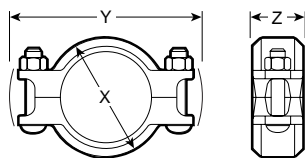


See Victaulic publication 10.01 for details.



Exaggerated for clarity

## DIMENSIONS

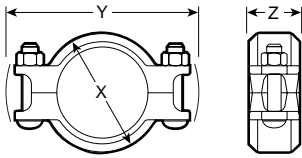


Pipe Size		Max. Work Pres. PSI* kPa	Max. End Load Lbs.* N	Allow. Pipe End † Sep. In./mm	Deflect. Fr. C <sub>L</sub> †		Bolt/Nut No. - Size Inches mm	Dimensions Inches/millimeters			Aprx. Wgt. Each Lbs. kg
Nominal Diameter In./mm	Actual Out. Dia. In./mm				Per Cplg. Deg.	Pipe In./Ft. mm/m		X	Y	Z	
1 25	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	1,420 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	2,215 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	3,245 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	3,535 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	4,800 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	6,300 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	7,950 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	6,380 28395	0 - 0.13 0 - 3,2	1° - 41'	0.35 29	2 - 12 X 70.0	5.55 141	7.79 198	2.13 54	3.7 1,7
4 1/2 120	5.000 127,0	450 3100	8,820 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	10,935 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	9,735 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	10,665 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	12,735 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	15,525 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

Table continued on page 2.

\*† @ Refer to notes on page 2.

## DIMENSIONS



Pipe Size		Max. Work Pres. PSI* kPa	Max. End Load Lbs.* N	Allow. Pipe End † Sep. In./mm	Deflect. Fr. Cl †		@ Bolt/Nut No. - Size Inches mm	Dimensions Inches/millimeters			Aprx. Wgt. Each Lbs. kg
Nominal Diameter In./mm	Actual Out. Dia. In./mm				Per Cplg. Deg.	Pipe In./Ft. mm/m		X	Y	Z	
159,0 mm	6.250 159,0	450 3100	13,800 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
165,1 mm	6.500 165,1	450 3100	14,940 66483	0 - 0.13 0 - 3,2	1° - 6'	0.23 19	2 - 5/8 X 3 1/4	7.84 199	10.66 271	2.06 52	7.2 3,3
203,2 mm#	8.000 203,2	450 3100	22,635 100725	0 - 0.13 0 - 3,2	0° - 54'	0.16 13	2 - 3/4 X 4 1/4	9.72 247	13.33 339	2.31 58	12.6 5,7
8 200	8.625 219,1	450 3100	26,280 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	2.32 59	12.4 5,6
254,0 mm#	10.000 254,0	350 2400	27,500 122375	0 - 0.13 0 - 3,2	0° - 43'	0.15 11	2 - 7/8 X 5 1/2	12.16 309	15.81 402	2.53 64	20.8 9,4
304,8 mm#	12.000 304,8	350 2400	39,500 175775	0 - 0.13 0 - 3,2	0° - 36'	0.13 9	2 - 7/8 X 5 1/2	14.16 360	17.69 449	2.53 64	23.6 10,7

# Style 74 Couplings

\*† Refer to notes below.

## MATERIAL SPECIFICATIONS

**Housing:** Ductile iron conforming to ASTM A-536, grade 65-45-12.

**Housing Coating:** Orange enamel

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

**Gasket:** (specify choice\*)†

- **Grade “E” EPDM**

EPDM (Green color code). Temperature range -30°F to +230°F (-34°C to +110°C). Recommended for 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; except hot, dry air over +140°F (+60°C) and water over +150°F (+66°C). NOT RECOMMENDED FOR HOT WATER SERVICES.

\*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.

†Supplemental lubricant is recommended for services installed at or continuously operating below 0°F (-18°C).

**Bolts/Nuts:** Heat treated carbon steel, zinc plated to ASTM B-633, track-head conforming to physical properties of ASTM A-183 minimum tensile 110,000 psi (758340 kPa).

### NOTES

\* 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.

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

† 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.

@ Number of bolts required equals number of housing segments.

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

WARNING: Depressurize and drain the piping system before attempting to install, remove, or adjust any Victaulic piping products.

This product shall be manufactured by Victaulic Company. All products shall 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.