

Style 995 Metric Coupling

PRODUCT DESCRIPTION

The Victaulic Style 995 coupling is specifically designed to mechanically join metric size (ISO) HDPE (high density polyethylene/ polybutylene pipe conforming to ISO 161/1, AS 1159 and DIN 8074 dimensional specifications at ambient temperatures) pipe of wall thicknesses from SDR (standard dimension ratio) 32.5 to 7.3. HDPE couplings have

integral rows of gripping teeth in each side of the housing which bite into the HDPE pipe around the entire circumference.

Style 995 metric couplings are supplied with a Grade "E" EPDM gasket, temperature range -34°C to +110°C. Also available (specify on order) is the Grade "T" nitrile gasket, temperature range -29°C to +82°C.

The 350 mm size features the "easy torque" bolts which act as a turnbuckle to ease assembly.

The 400 - 500 mm sizes use a T-bolt (patent pending) which is designed to ease alignment of the bolt pad during assembly.

Couplings are supplied with plated carbon steel bolts and nuts. A choice of either U.S. imperial or ISO metric bolts

and nuts is available. Clearly specify choice on order. For special conditions, Type 304 or Type 316 stainless steel bolts and nuts are available. Contact Victaulic for details.

Contact Victaulic for specific recommendations.



90 - 315 mm Sizes

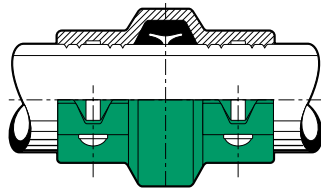


355 mm Size



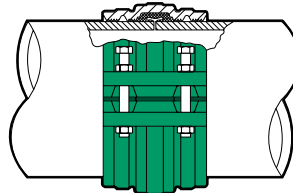
400 - 500 mm Sizes

Tongue and recess feature aids in proper assembly



Exaggerated for clarity

90 - 315 mm Sizes



Exaggerated for clarity

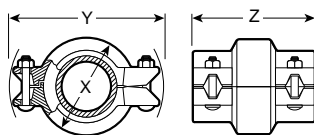
355 mm Size



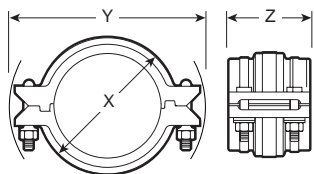
Exaggerated for clarity

400 - 500 mm Sizes

DIMENSIONS



90 - 355 mm Sizes



400 - 500 mm Sizes

Pipe O.D. – mm		Dimensions – mm			Bolt/Nut Size Millimeters	Bolt/Nut Size Inches	Aprx. Wgt. Ea. kg
Min. O.D.	Max. O.D.*	X	Y	Z			
90	90.9	116	178	116	M12 X 70 Lg.	0.50 X 2.75 Lg.	3.4
110	111.0	145	202	146	M12 X 70 Lg.	0.50 X 2.75 Lg.	5.3
140	141.3	176	250	149	M16 X 83 Lg.	0.62 X 3.25 Lg.	6.8
160	161.5	195	268	149	M16 X 83 Lg.	0.62 X 3.25 Lg.	7.3
200	201.8	259	336	152	M16 X 83 Lg.	0.62 X 3.25 Lg.	9.7
225	227.1	265	345	152	M16 X 83 Lg.	0.62 X 3.25 Lg.	10.9
250	252.3	314	402	165	M20 X 127 Lg.	0.75 X 5.00 Lg.	17.0
280	282.6	321	408	165	M20 X 127 Lg.	0.75 X 5.00 Lg.	17.6
315	317.9	356	448	178	M22 X 127 Lg.	0.88 X 5.00 Lg.	20.7
355	358.2	414	491	195	†	†	36.7
400	403.6	465	605	229	M24 X 178 Lg.	1.00 X 7.00 Lg. §	45.5
450	453.8	516	650	241	M24 X 178 Lg.	1.00 X 7.00 Lg. §	57.7
500	504.0	566	699	254	M24 X 178 Lg.	1.00 X 7.00 Lg. §	64.5

*Tolerances at ambient temperatures for pipe with SDR of 20 or lower.

† Contact Victaulic for special bolt/nut requirements.

§ Supplied with T-bolts and rocker washers (patent pending).

PERFORMANCE

Victaulic HDPE products are designed to mechanically join HDPE (*high density polyethylene/polybutylene conforming to ISO 161/1, AS 1159 and DIN 8074 dimensional specifications) pipe of wall thicknesses from SDR 32.5 to 7.3. Victaulic HDPE couplings have integral rows of gripping teeth in each side of the housing which bite into HDPE pipe around the entire circumference. This eliminates special heat fusion, solvent joining or special adapters. **Victaulic HDPE products are not intended for use on PVC**

pipe or other materials.

Victaulic lubricant should **not** be used with HDPE pipe. HDPE pipe brands we have tested indicate that the working pressure of Victaulic HDPE products are dictated by the working pressure of the pipe. The pipe manufacturers listing is dependent upon wall thicknesses, pipe composition and temperature. Pipe tolerances shown in the charts are *at +21°C and for rigid pipe with SDR of 20 or lower.

*At ambient temperatures.

CAUTION

- Victaulic Style 995 products are qualified for use on HDPE ONLY. These products should not be used on other plastic materials.
- Failure to follow this instruction could result in personal injury, improper installation, leakage or joint separation.

Always refer to Victaulic I-900 instruction handbook before assembly.

MATERIAL SPECIFICATIONS

Housings: Ductile iron conforming to ASTM A-536, painted with green enamel.

Optional: Hot dip galvanized

Gasket: (specify choice*)

Grade “E” EPDM

EPDM (Green color code). Temperature range -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 +30°C and hot +82°C potable water service. **NOT RECOMMENDED FOR PETROLEUM SERVICES.**

Grade “T” nitrile

Nitrile (Orange color code). Temperature range -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 +66°C or for hot dry air over +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.

Gasket compatibility only. Plastic pipes are designed to have a specific rating at a temperature of +23°C. Any variation of the

temperature will have an effect on the static pressure rating of the pipe, thus, as the temperature increases, the pressure rating will decrease. Contact the pipe manufacturer for temperature and pressure limitations of their pipe.

Bolts & Nuts: Heat treated carbon steel, plated, track-head, conforming to physical properties of ASTM A-183 minimum tensile 758340 kPa.

355 mm size is supplied with special “easy-torque” bolts/nuts. 400 - 500 mm sizes are supplied with a T-bolt (patent pending) assembly. Contact Victaulic for details.

Optional: Type 304 or 316 stainless steel – contact the factory.

GRADE	TEMP. RANGE ‡	COM-POUND	COLOR CODE	SERVICE RECOMMENDATIONS*
E	-34°C to +110°C	EPDM	Green Stripe	Recommended for hot water service within the specified temperature range plus a variety of dilute acids, oil-free air and many chemical services. <i>Not recommended for petroleum services.</i>
T	-29°C to +82°C	Nitrile	Orange Stripe	Recommended for petroleum products, air with oil vapors, vegetable and mineral oils within the specified temperature range. <i>Not recommended for hot water services over +66°C or for hot dry air over +60°C.</i>

ALWAYS SPECIFY THE PROPER GRADE TO ASSURE MAXIMUM GASKET LIFE FOR THE SERVICE INTENDED.

‡ Gasket rating may exceed manufacturer's rating for pipe. Consult manufacturer's pipe ratings for pressure/temperature limitations.