

Victaulic® *Mechanical-T* Spigot Outlet

Style 926



1.0 PRODUCT DESCRIPTION

Available Sizes

- 4" outlets available for 10" – 32" IPS pipe diameters
- 6" outlets available for 16" – 48" IPS pipe diameters
- 8" outlets available for 28 – 36" pipe diameters
- 114.3 mm outlets available for 250 mm – 800 mm ISO pipe diameters
- 168.3 mm outlets available for 450 mm – 1200 mm ISO pipe diameters
- 219.1mm outlets available for 710 mm – 1000 mm ISO pipe diameters

Pipe Material

- High-density polyethylene (HDPE), steel, and ductile iron pipe materials in IPS, ISO, and AWWA pipe sizes

Operating Temperature

- Dependent upon pipe manufacturer rating and gasket selection
- Reference section 3.0 for gasket performance options
- Consult pipe manufacturer for pipe material performance limitations

Function

- Provides a grooved outlet for direct connection to grooved steel pipe, valves, fittings, or other equipment
- Locating collar aligns the Mechanical-T Spigot in the outlet hole for accurate installation and provides rotational resistance

Pipe Preparation

- Prepare pipe in accordance with the dimensions in section 4.3
- For HDPE pipe, Style 926 Hole Saw is recommended
- A Milwaukee ½" Hole-Hawg Drill 300/1200 RPM or similar hole saw power drive is recommended for proper hole penetration
- For steel and ductile iron pipe, use hole saws designed for metallic pipe

2.0 CERTIFICATION/LISTINGS



Product designed and manufactured under Victaulic's Quality Management System, as certified by LPCB in accordance with ISO-9001:2008.

ALWAYS REFER TO ANY NOTIFICATIONS AT THE END OF THIS DOCUMENT REGARDING PRODUCT INSTALLATION, MAINTENANCE OR SUPPORT.



3.0 SPECIFICATIONS – MATERIAL

Style 926 *Mechanical-T* Spigot Outlet

Spigot Outlet: Ductile iron conforming to ASTM A536, Grade 65-45-12.

Spigot Outlet Coating: (specify choice)

- ☐ Standard: Orange coating
- ☐ Optional: Fusion bonded epoxy
- ☐ Optional: Galvanized

NOTE

- Custom coating options may be specified. Contact Victaulic for details.

Spigot Outlet Lining: (specify choice)

- ☐ Standard: No lining
- ☐ Optional: Rubber lining. Contact Victaulic for material options.

Strap:

- ☐ Standard: Carbon steel. Components meeting the physical and chemical requirements of ASTM A36.

NOTE:

- Custom coating options or stainless steel may be specified. Contact Victaulic for details.

U-Bolts/Nuts:

- ☐ Standard:

U-Bolts: Carbon steel u-bolts meeting the physical and chemical requirements of ASTM A449.

Nuts: Carbon steel heavy hex nuts meeting the physical and chemical requirements of ASTM A563 Grade B.

Carbon steel u-bolts and heavy hex nuts are supplied zinc plated per ASTM B633 ZN/FE5, finish Type III.

Hardened Steel washers conform to ASTM F436 Type 3 (weathering steel).

NOTE: Custom coating options or stainless steel may be specified. Contact Victaulic for details.

Crossbar:

- ☐ Standard: Type 1215 carbon steel meeting the physical and chemical requirements of ASTM A108. Carbon steel crossbars are supplied zinc plated per ASTM B633 ZN/FE8, finish Type V.

NOTE:

- Custom coating options or stainless steel may be specified. Contact Victaulic for details.

O-Ring: (specify choice¹)

Standard:

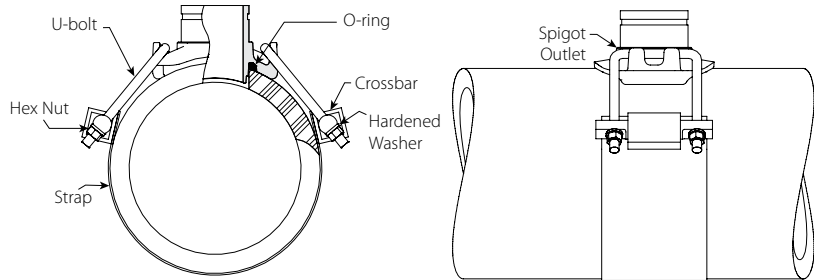
- ☐ **Grade "T" Nitrile**

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. May be specified for water services and dry air up to 140°F/60°C.

- ☐ **Grade "HMT" Nitrile (8" outlets only)**

Nitrile (Orange and Yellow 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 with 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.



3.0 SPECIFICATIONS – MATERIAL (CONTINUED)

O-Ring: (specify choice¹)

Optional:

☐ **Grade "E" EPDM**

EPDM (Green 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. NOT COMPATIBLE FOR PETROLEUM SERVICES.

☐ **Grade "EHP" EPDM (8" outlets only)**

EHP (Red and Green color code). Temperature range –30°F to +250°F/–34°C to +121°C. May be specified for hot water service within the specified temperature range plus a variety of dilute acids, oil-free air and many chemical services. NOT COMPATIBLE WITH PETROLEUM SERVICES.

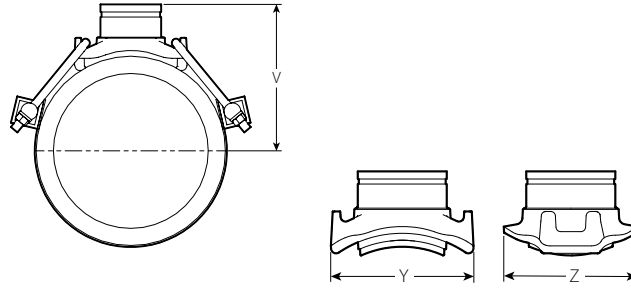
¹ Services listed are General Service Guidelines only. It should be noted that there are services for which these gaskets are not compatible. Reference should always be made to the latest [Victaulic Gasket Selection Guide](#) for specific gasket service guidelines and for a listing of services which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

NOTES

- The maximum temperature ratings shown exceed the temperature ratings for HDPE pipe. Consult individual pipe manufacturers for specific temperature limits.

4.0 DIMENSIONS

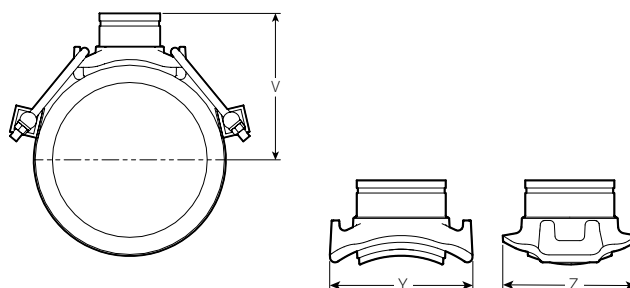
For use with IPS Steel and HDPE and ISO Size Steel



Size Host Pipe x Outlet					Dimensions						
Nominal inches mm		Actual Outside Diameter inches mm			V inches mm	Y inches mm	Z inches mm			Total Weight lb kg	Spigot Outlet Weight lb kg
10 250	x	4 100	10.750 273.1	x	4.500 114.3	4.50 114.3	10.25 260	8.50 216	8.00 203	31.0 14.1	19.0 8.6
12 300	x	4 100	12.750 323.9	x	4.500 114.3	4.50 114.3	11.00 279	8.38 213	8.00 203	33.0 15.0	13.0 5.9
14 350	x	4 100	14.000 355.6	x	4.500 114.3	4.50 114.3	11.75 298	8.38 213	8.00 203	33.0 15.0	13.0 5.9
16 400	x	4 100	16.000 406.4	x	4.500 114.3	4.50 114.3	12.88 327	8.50 216	8.00 203	35.0 15.9	17.0 7.7
18 450	x	4 100	18.000 457.2	x	4.500 114.3	4.50 114.3	13.88 353	8.50 216	8.00 203	36.0 16.3	17.0 7.7
20 500	x	4 100	20.000 508.0	x	4.500 114.3	4.50 114.3	14.88 378	8.50 216	8.00 203	38.0 17.2	17.0 7.7
22 550	x	4 100	22.000 558.8	x	4.500 114.3	4.50 114.3	15.88 403	8.50 216	8.00 203	39.0 17.7	17.0 7.7
24 600	x	4 100	24.000 609.6	x	4.500 114.3	4.50 114.3	16.88 429	8.50 216	8.00 203	40.0 18.1	18.0 8.2
26 650	x	4 100	26.000 660.4	x	4.500 114.3	4.50 114.3	17.75 451	8.50 216	8.00 203	41.0 18.6	18.0 8.2
28 700	x	4 100	28.000 711.2	x	4.500 114.3	4.50 114.3	18.75 476	8.50 216	8.00 203	43.0 19.5	21.0 9.5
30 750	x	4 100	30.000 762.0	x	4.500 114.3	4.50 114.3	19.75 502	8.50 216	8.00 203	44.0 20.0	21.0 9.5
32 800	x	4 100	32.000 812.8	x	4.500 114.3	4.50 114.3	20.75 527	8.50 216	8.00 203	46.0 20.9	23.0 10.4

4.0 DIMENSIONS (CONTINUED)

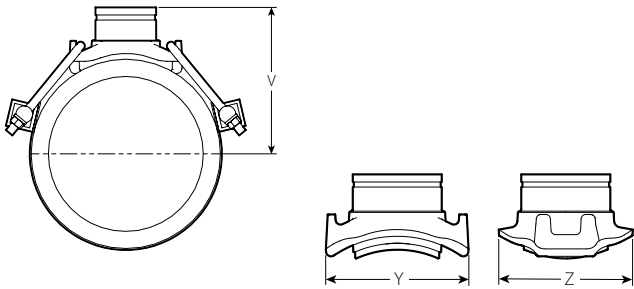
For use with IPS Steel and HDPE and ISO Size Steel



Size Host Pipe x Outlet						Dimensions					
Nominal inches mm		Actual Outside Diameter inches mm				Hole Diameter inches (+0.13/-0.0) mm (+3.2/-0.0)	V inches mm	Y inches mm			Z inches mm
16 400	x	6 150	16.000 406.4	x	6.625 168.3	6.63 168.4	12.88 327	10.63 270	10.00 254	43.0 19.5	24.0 10.9
18 450	x	6 150	18.000 457.2	x	6.625 168.3	6.63 168.4	13.88 353	10.63 270	10.00 254	45.0 20.4	24.0 10.9
20 500	x	6 150	20.000 508.0	x	6.625 168.3	6.63 168.4	14.88 378	10.63 270	10.00 254	46.0 20.9	24.0 10.9
22 550	x	6 150	22.000 558.8	x	6.625 168.3	6.63 168.4	15.88 403	10.63 270	10.00 254	47.0 21.3	24.0 10.9
24 600	x	6 150	24.000 609.6	x	6.625 168.3	6.63 168.4	16.88 429	10.63 270	10.00 254	48.0 21.8	24.0 10.9
26 650	x	6 150	26.000 660.4	x	6.625 168.3	6.63 168.4	17.88 454	10.63 270	10.00 254	50.0 22.7	24.0 10.9
28 700	x	6 150	28.000 711.2	x	6.625 168.3	6.63 168.4	18.88 480	10.63 270	10.00 254	51.0 23.1	25.0 11.3
30 750	x	6 150	30.000 762.0	x	6.625 168.3	6.63 168.4	19.88 505	10.63 270	10.00 254	53.0 24.0	25.0 11.3
32 800	x	6 150	32.000 812.8	x	6.625 168.3	6.63 168.4	20.88 530	10.63 270	10.00 254	54.0 24.5	25.0 11.3
36 900	x	6 150	36.000 914.4	x	6.625 168.3	6.63 168.4	22.88 581	10.63 270	10.00 254	56.0 25.4	25.0 11.3
42 1050	x	6 150	42.000 1066.8	x	6.625 168.3	6.63 168.4	25.88 657	10.63 270	10.00 254	60.0 27.2	28.0 12.7
48 1200	x	6 150	48.000 1219.2	x	6.625 168.3	6.63 168.4	28.88 734	10.63 270	10.00 254	64.0 29.0	33.0 15.0

4.0 DIMENSIONS (CONTINUED)

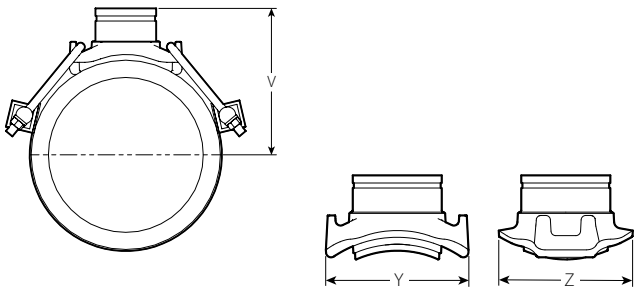
For use with IPS Steel and HDPE and ISO Size Steel



Size Host Pipe x Outlet					Dimensions				
Nominal inches mm		Actual Outside Diameter inches mm			Hole Diameter inches (+0.13/-0.0) mm (+3.2/-0.0)	V inches mm	Y inches mm		
28	8	28.000	8.625	8.25	19.73	13.75	12.50	115.0	52.0
700	x 200	711.2	x 219.1	209.6	501.1	349.3	317.5	52.2	23.6
30	8	30.000	8.625	8.25	20.73	13.75	12.50	117.0	52.0
750	x 200	762.0	x 219.1	209.6	526.5	349.3	317.5	53.1	23.6
32	8	32.000	8.625	8.25	21.73	13.75	12.50	119.0	52.0
800	x 200	812.8	x 219.1	209.6	551.9	349.3	317.5	54.0	23.6
36	8	36.000	8.625	8.25	23.73	13.75	12.50	121.0	50.0
900	x 200	914.4	x 219.1	209.6	602.7	349.3	317.5	54.9	22.7

4.1 DIMENSIONS

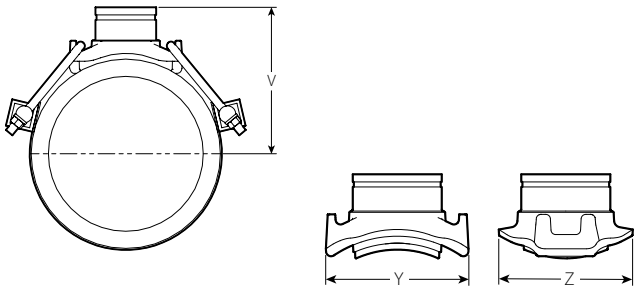
For use with ISO and AS/NZ Size HDPE



Size Host Pipe x Outlet		Hole Diameter	Dimensions			Total Weight	Spigot Outlet Weight
Nominal	Actual Outside Diameter		V	Y	Z		
mm	mm	mm (+3.2/-0.0)	mm	mm	mm	kg	kg
250 x 100	250.0 x 114.3	114.3	246	215	202	14.0	8.6
280 x 100	280.0 x 114.3	114.3	262	215	203	14.0	8.6
315 x 100	315.0 x 114.3	114.3	255	212	203	15.0	5.9
355 x 100	355.0 x 114.3	114.3	296	212	203	15.0	5.9
400 x 100	400.0 x 114.3	114.3	321	214	203	15.9	7.7
450 x 100	450.0 x 114.3	114.3	346	214	203	16.4	7.7
500 x 100	500.0 x 114.3	114.3	371	214	203	16.8	7.7
560 x 100	560.0 x 114.3	114.3	401	214	203	17.7	7.7
630 x 100	630.0 x 114.3	114.3	436	214	203	18.2	8.2
710 x 100	710.0 x 114.3	114.3	476	214	203	19.5	9.5
800 x 100	800.0 x 114.3	114.3	521	214	203	20.0	10.4

4.1 DIMENSIONS (CONTINUED)

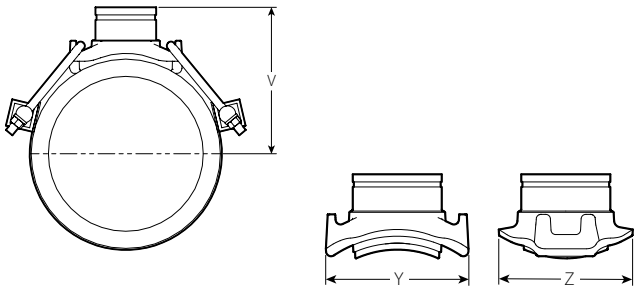
For use with ISO and AS/NZ Size HDPE



Size Host Pipe x Outlet			Dimensions				
Nominal	Actual Outside Diameter		V	Y	Z	Total Weight	Spigot Outlet Weight
mm	mm	Hole Diameter mm (+3.2/-0.0)	mm	mm	mm	kg	kg
400 x 150	400.0 x 168.3	168.3	323	269	254	19.1	10.9
450 x 150	450.0 x 168.3	168.3	348	269	254	20.0	10.9
500 x 150	500.0 x 168.3	168.3	373	269	254	20.9	10.9
560 x 150	560.0 x 168.3	168.3	403	269	254	21.4	10.9
630 x 150	630.0 x 168.3	168.3	438	269	254	22.3	10.9
710 x 150	710.0 x 168.3	168.3	478	269	254	23.2	11.3
800 x 150	800.0 x 168.3	168.3	523	269	254	24.1	11.3
900 x 150	900.0 x 168.3	168.3	573	269	254	25.5	11.8
1000 x 150	1000.0 x 168.3	168.3	623	269	254	26.4	12.2
1200 x 150	1200.0 x 168.3	168.3	723	269	254	28.6	15.0

4.1 DIMENSIONS (CONTINUED)

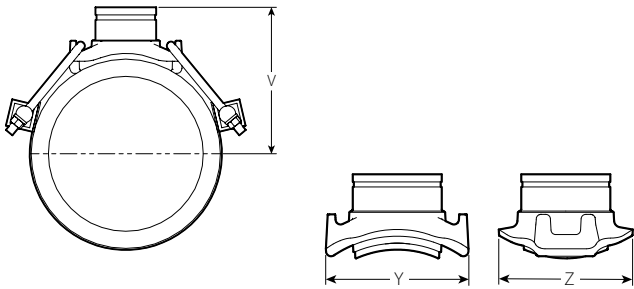
For use with ISO and AS/NZ Size HDPE



Size Host Pipe x Outlet			Dimensions			Total Weight	Spigot Outlet Weight
Nominal	Actual Outside Diameter		V	Y	Z		
mm	mm	Hole Diameter mm (+3.2/-0.0)	mm	mm	mm	kg	kg
710 x 200	710.0 x 219.1	209.6	501	349	318	52.2	23.6
800 x 200	800.0 x 219.1	209.6	546	349	318	54.0	23.6
900 x 200	900.0 x 219.1	209.6	596	349	318	54.9	22.7
1,000 x 200	1,000.0 x 219.1	209.6	646	349	318	56.7	22.7

4.2 DIMENSIONS

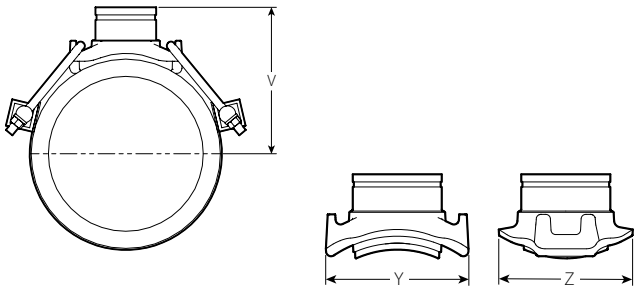
For use with AWWA C151 size pipe



Size Host Pipe x Outlet		Hole Diameter	Dimensions			Total Weight	Spigot Outlet Weight
Nominal	Actual Outside Diameter		V	Y	Z		
inches	inches	inches (+0.13/-0.0)	inches	inches	inches	lb	lb
10 x 4	11.100 x 4.500	4.50	10.38	8.50	8.00	30.0	19.0
12 x 4	13.200 x 4.500	4.50	11.25	8.38	8.00	33.0	13.0
14 x 4	15.300 x 4.500	4.50	12.38	8.38	8.00	35.0	13.0
16 x 4	17.400 x 4.500	4.50	13.50	8.50	8.00	36.0	17.0
18 x 4	19.500 x 4.500	4.50	14.38	8.50	8.00	37.0	17.0
20 x 4	21.600 x 4.500	4.50	15.63	8.50	8.00	39.0	17.0
24 x 4	25.800 x 4.500	4.50	17.75	8.50	8.00	41.0	18.0
30 x 4	32.000 x 4.500	4.50	20.88	8.50	8.00	46.0	23.0

4.2 DIMENSIONS (CONTINUED)

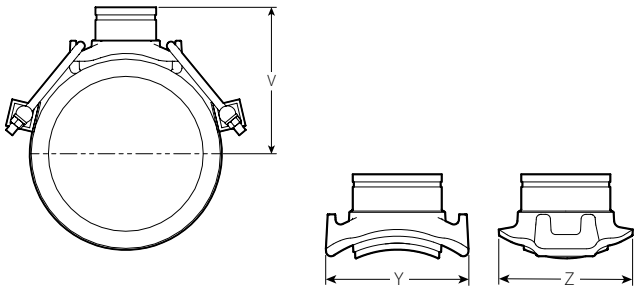
For use with AWWA C151 size pipe



Size Host Pipe x Outlet		Hole Diameter	Dimensions			Total Weight	Spigot Outlet Weight
Nominal	Actual Outside Diameter		V	Y	Z		
inches	inches	inches (+0.13/-0.0)	inches	inches	inches	lb	lb
16 x 6	17.400 x 6.625	6.63	13.63	10.63	10.00	44.0	24.0
18 x 6	19.500 x 6.625	6.63	14.63	10.63	10.00	46.0	24.0
20 x 6	21.600 x 6.625	6.63	15.88	10.63	10.00	47.0	24.0
24 x 6	25.800 x 6.625	6.63	17.88	10.63	10.00	49.0	24.0
30 x 6	32.000 x 6.625	6.63	20.88	10.63	10.00	54.0	25.0
36 x 6	38.300 x 6.625	6.63	24.00	10.63	10.00	58.0	27.0

4.2 DIMENSIONS (CONTINUED)

For use with AWWA C151 size pipe



Size Host Pipe x Outlet		Hole Diameter	Dimensions			Total Weight	Spigot Outlet Weight
Nominal	Actual Outside Diameter		V	Y	Z		
inches	inches	inches (+0.13/-0.0)	inches	inches	inches	lb	lb
30 x 8	32.000 x 8.625	8.25	21.73	13.75	12.50	119.0	52.0
36 x 8	38.300 x 8.625	8.25	24.88	13.75	12.50	123.0	50.0

4.3 DIMENSIONS

Style 926 Spigot Hole Saw for HDPE Pipe



Size	Dimensions
Nominal inches DN	Cutter Diameter inches mm
4 DN100	4.500 115
6 DN150	6.625 170
8 DN200	8.250 210

NOTES

- Prepare pipe in accordance with the dimensions above.
- For HDPE pipe, Style 926 Hole Saw is recommended.
- A Milwaukee ½" Hole-Hawg Drill 300/1200 RPM or similar hole saw power drive is recommended for proper hole penetration.
- For steel and ductile iron pipe, use hole saws designed for metallic pipe.

5.0 PERFORMANCE

5.1 Maximum Allowable Working Pressure (MAWP): High Density Polyethylene Pipe

Nominal Outlet Size inches	Outside Diameter inches	IPS PE 4710 HDPE Pipe¹				
		SDR				
		7	9	11	13.5	17
Pressure Rating						
psi kPa						
4	10-32	250	250	200	160	125
6	16-26	200	200	200	160	125
	28-48	175	175	175	160	125
8	28-36	250	250	200	160	125

¹ Ratings noted are at 73°F/23°C. Reference pipe manufacturer data for derating factors at other temperatures.

Nominal Outlet Size mm	Outside Diameter mm	ISO and AS/NZ size PE 100 HDPE Pipe²				
		SDR				
		7	9	11	13.5	17
		Pressure Rating				
				Bar kPa psi		
114.3	250-800	17.25	17.25	16.00	12.55	10.00
		1725	1725	1600	1255	1000
		250	250	232	182	145
168.3	450-630	16.00	16.00	16.00	12.55	10.00
		1600	1600	1600	1255	1000
		232	232	232	182	145
	710-1000	12.55	12.55	12.55	12.55	10.00
		1255	1255	1255	1255	1000
		182	182	182	182	145
219.1	710-1000	20.00	20.00	16.00	12.55	10.00
		2000	2000	1600	1255	1000
		290	290	232	182	145

² Ratings noted are at 68°F/20°C. Reference pipe manufacturer data for derating factors at other temperatures.

Nominal Outlet Size	IPS and ISO Steel Pipe	
	Outside Diameter	Pressure Rating
	inches mm	psi Bar kPa
4	10-32	250
114.3	250-800	17.24 1724
6	16-26 450-630	200
		13.79 1379
	28-48 710-1000	175 12.07 1207
8	28-36	285
219.1	710-1000	19.65 1965

Nominal Outlet Size	Ductile Iron Pipe	
	Outside Diameter	Pressure Rating
	inches	psi
4	10-30	250
6	16-24	200
	30-36	175
8	30-36	285

6.0 NOTIFICATIONS

! WARNING











- Read and understand all instructions before attempting to install, remove, adjust, or maintain any Victaulic piping products.
- Depressurize and drain the piping system before attempting to install, remove, adjust, or maintain any Victaulic piping products.
- Wear safety glasses, hardhat, and foot protection.

Failure to follow these instructions may cause joint failure, resulting in death or serious personal injury and property damage.

7.0 REFERENCE MATERIALS

- [I-900: HDPE Products Installation and Assembly Manual](#)
- [I-926: Style 926 Installation and Maintenance Instruction Manual](#)
- [05.01: Gasket Selection Guide](#)
- [19.07 Style 905 Coupling for Plain End Polyethylene Pipe](#)
- [19.09: Style 908 Coupling for Double Grooved HDPE Pipe](#)
- [29.01: Terms and Conditions/Warranty](#)

User Responsibility for Product Selection and Suitability

Each user bears final responsibility for making a determination as to the suitability of Victaulic products for a particular end-use application, in accordance with industry standards and project specifications, and the applicable building codes and related regulations as well as Victaulic performance, maintenance, safety, and warning instructions. Nothing in this or any other document, nor any verbal recommendation, advice, or opinion from any Victaulic employee, shall be deemed to alter, vary, supersede, or waive any provision of Victaulic Company's standard conditions of sale, installation guide, or this disclaimer.

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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.

Installation

Reference should always be made to the Victaulic installation handbook or installation instructions of the product you are installing. Handbooks are included with each shipment of Victaulic products, providing 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.

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