



1.0 PRODUCT DESCRIPTION

Available Sizes

- 2 – 8" IPS high-density polyethylene (HDPE)
- 63 – 225 mm ISO high-density polyethylene (HDPE)
- Available in SDR 7, 11 and 17

Maximum Working Pressure

- Meets or exceeds the pressure rating of the pipe

Function

- Full flow fittings: 90° Elbow, 45° Elbow, Tee, Concentric Reducer
- For use with Style 905, Style 907, Style 904

2.0 CERTIFICATION/LISTINGS

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

3.0 SPECIFICATIONS - MATERIAL

Fittings: Plastic Pipe Institute (PPI) listed High Density Polyethylene (HDPE) PE100/PE4710.

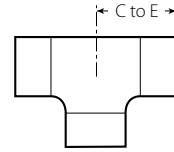
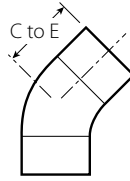
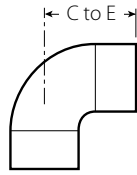
ALWAYS REFER TO ANY NOTIFICATIONS AT THE END OF THIS DOCUMENT REGARDING PRODUCT INSTALLATION, MAINTENANCE OR SUPPORT.

System No.		Location	
Submitted By		Date	

Spec Section		Paragraph	
Approved		Date	

4.0 DIMENSIONS

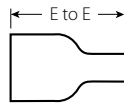
HDPE Plain End Fittings – IPS Standard



Size	No. H10 90° Elbow			No. H11 45° Elbow			No. H20 Tee					
	C to E inches	Weight Each lb	Weight Each lb	Weight Each lb	C to E inches	Weight Each lb	Weight Each lb	Weight Each lb	C to E inches	Weight Each lb	Weight Each lb	Weight Each lb
2	4.38	0.8	0.6	0.5	3.63	0.6	0.5	0.4	4.38	1.0	0.8	0.6
3	5.25	1.5	1.5	1.1	3.88	1.4	1.0	0.7	5.25	2.6	1.9	1.4
4	6.00	3.6	2.6	1.9	4.50	2.6	1.9	1.4	6.00	4.6	3.4	2.5
6	7.50	9.2	6.6	4.9	4.88	6.1	4.3	3.3	7.50	12.0	8.6	6.4
8	9.25	16.0	13.0	10.0	5.25	11.0	9.0	7.0	9.25	23.0	19.0	15.0

NOTE

- Fitting C - E dimensions based on fittings at 73°F/23°C



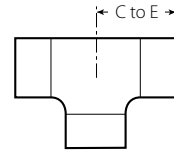
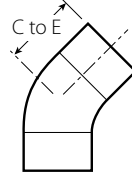
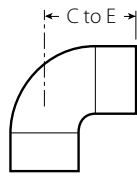
Size	No. H50 IPS Concentric Reducer			
	E to E inches	Weight Each lb	Weight Each lb	Weight Each lb
3 x 2	7.00	1.0	0.8	0.6
4 x 2	8.00	1.6	1.1	0.7
4 x 3	8.00	2.0	1.4	1.0
6 x 3	9.50	4.2	2.8	1.9
6 x 4	9.50	4.7	3.5	2.7

NOTE

- Fitting E - E dimensions based on fittings at 73°F/23°C

4.1 DIMENSIONS

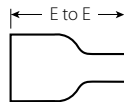
HDPE Plain End Fittings – ISO Standard



Size	No. H10 90° Elbow			No. H11 45° Elbow			No. H20 Tee					
	C to E mm	SDR 7.4 Weight Each kg	SDR 11 Weight Each kg	SDR 17 Weight Each kg	C to E mm	SDR 7.4 Weight Each kg	SDR 11 Weight Each kg	SDR 17 Weight Each kg	C to E mm	SDR 7.4 Weight Each kg	SDR 11 Weight Each kg	SDR 17 Weight Each kg
63	115	0.4	0.3	0.2	90	0.3	0.2	0.2	115	0.5	0.4	0.3
75	124	0.6	0.4	0.4	95	0.4	0.3	0.2	124	0.7	0.5	0.4
90	130	0.7	0.7	0.5	100	0.7	0.5	0.3	130	1.2	0.9	0.7
110	155	1.5	1.1	0.8	110	1.1	0.8	0.6	155	2.0	1.4	1.1
125	162	1.9	1.4	1.0	117	1.4	1.0	0.8	162	2.5	1.9	1.4
140	172	2.9	2.1	1.5	120	1.9	1.4	1.0	172	3.8	2.7	2.0
160	185	3.8	2.7	1.8	125	2.6	1.8	1.2	185	4.7	3.3	2.2
180	219	4.8	3.4	2.6	130	3.2	2.3	1.7	219	6.2	4.5	3.3
200	229	6.0	4.2	3.2	137	3.9	2.8	2.1	229	7.7	5.5	4.1
225	241	7.6	6.2	4.8	143	5.2	4.3	3.3	241	11.0	9.0	7.1

NOTE

- Fitting C - E dimensions based on fittings at 73°F/23°C



Size	No. H50 METRIC Concentric Reducer			
	E to E mm	SDR 7.4 Weight Each kg	SDR 11 Weight Each kg	SDR 17 Weight Each kg
90 x 63	178	0.5	0.3	0.2
110 x 63	203	0.7	0.5	0.3
110 x 90	203	0.9	0.6	0.4
160 x 90	241	1.7	1.2	0.8
160 x 110	241	1.9	1.3	0.9

NOTE

- Fitting E - E dimensions based on fittings at 73°F/23°C

5.0 PERFORMANCE

HDPE Plain End Fittings – IPS Standard

Pressure Rating: Victaulic plain end HDPE fittings meet the pressure ratings of corresponding HDPE pipe.

Nominal Size inches	PE4710 HDPE Pipe ² DR		
	7	11	17
	Pressure Rating psi kPa		
2 - 8	333 2295	200 1380	125 860

² HDPE pipe conforming to ASTM D3035 and F714 at 73°F/23°C. Reference plastic pipe manufacturer data for derating factors at other temperatures

5.1 PERFORMANCE







HDPE Plain End Fittings – ISO Standard

Pressure Rating: Victaulic plain end HDPE fittings meet the pressure ratings of corresponding HDPE pipe.

Nominal Size mm	PE100 HDPE Pipe ³ SDR		
	7.4	11	17
	Pressure Rating (PN) Bar kPa psi		
63 – 225	PN 25 2500 363	PN 16 1600 232	PN 10 1000 145

³ HDPE pipe conforming to ISO 4427-2 at 68°F/20°C. Reference plastic pipe manufacturer data for derating factors at other temperatures

6.0 NOTIFICATIONS

 WARNING				
				
<ul style="list-style-type: none"> • 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. <p>Failure to follow these instructions may cause joint failure, resulting in death or serious personal injury and property damage.</p>				

7.0 REFERENCE MATERIALS

[I-900: HDPE Products Installation and Assembly Manual](#)

[19.07: Refuse-to-Fuse™ Style 905 Coupling for Plain End HDPE](#)

[19.09: Refuse-to-Fuse™ Style 908 coupling for double grooved HDPE pipe](#)

[19.10: Refuse-to-Fuse™ Style 907 Transition Coupling for HDPE-to-Steel](#)

[19.12: Refuse-to-Fuse™ Style 904 Flange Adapter for HDPE-to-Flanged 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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