



## 1.0 PRODUCT DESCRIPTION

### Available Sizes

- 2 – 12"/DN50 – DN300

### Application

- Extra strong (Schedule 80) wall thickness and EndSeal™ grooves for use with HP-70ES couplings where the system pressure exceeds the published rating for Style HP-70, Style 77 or Style 177N couplings
- For fitting sizes and styles not listed, contact Victaulic for details.

## 2.0 CERTIFICATION/LISTINGS

Product designed and manufactured under the Victaulic Quality Management System, as certified by LPCB in accordance with ISO-9001:2015.

## 3.0 SPECIFICATIONS – MATERIAL

### Fitting:

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

### Segmentally Welded Steel (SWS) Fittings:

**2"/DN50:** Segmentally welded Schedule 80 steel pipe, per ASTM A53 Schedule 80 Grade A.

**2 ½ – 12"/DN80 – DN300 and 73.0 mm:** Segmentally welded Schedule 80 steel pipe, per ASTM A53 Schedule 80 Grade B.

### Fitting Coating: (specify choice)

Standard: Black enamel.

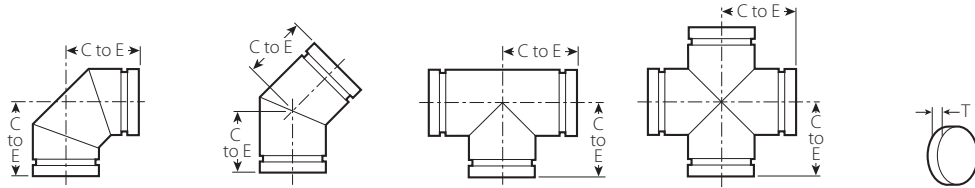
Optional: Contact Victaulic with your requirements for other coatings.

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



Size		No. 62-ES 90° Elbow		No. 63-ES 45° Elbow		No. 64-ES Tee		No. 35-ES Cross		No. 60-ES End Cap	
Nominal inches DN	Actual Outside Diameter inches mm	C to E inches mm	Weight	C to E inches mm	Weight	C to E inches mm	Weight	C to E inches mm	Weight	"T" Thickness inches mm	Weight
			Approx. (Each) lb kg		Approx. (Each) lb kg		Approx. (Each) lb kg		Approx. (Each) lb kg		
2 DN50	2.375 60.3	3.25 (d) 83 (d)	2.5 1.1	2.00 51	1.8 0.8	3.25 (d) 83 (d)	3.5 1.6	3.38 86	3.9 1.8	0.59 (d) 15 (d)	0.6 0.3
2 1/2	2.875 73.0	3.75 95	5.0 2.3	2.25 57	2.9 1.3	3.75 95	7.9 3.6	3.88 99	6.6 3.0	0.59 (d) 15 (d)	0.9 0.4
3 DN80	3.500 88.9	4.25 108	6.0 2.7	2.50 64	4.3 1.9	4.25 108	16.0 7.3	4.38 111	14.2 6.4	0.59 (d) 15 (d)	1.5 0.7
4 DN100	4.500 114.3	5.00 127	10.3 4.7	3.00 76	8.5 3.9	5.00 127	23.5 10.7	5.00 127	15.8 7.2	0.64 (d) 16 (d)	3.1 1.4
6 DN150	6.625 168.3	6.50 165	27.2 12.3	3.50 89	16.5 7.5	6.50 165	27.0 12.2	6.50 165	46.0 20.9	0.64 (d) 16 (d)	5.8 2.6
8 DN200	8.625 219.1	+	+	+	+	9.25 235	35.0 15.9	+	+	0.84 (d) 21 (d)	12.0 5.4
10 DN250	10.750 273.0	+	+	+	+	+	+	+	+	0.84 (d) 21 (d)	23.6 10.7
12 DN300	12.750 323.8	+	+	+	+	+	+	+	+	0.86 (d) 22 (d)	38.5 17.5

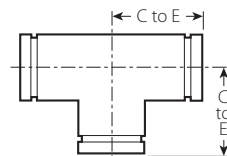
+ Contact Victaulic for details.

**NOTE**

- All fittings are segmentally welded steel unless otherwise noted with a (d) for ductile iron.

## 4.1 DIMENSIONS

### No. 22-ES Header Tee Ductile Iron (d)









Size			Weight
Nominal inches DN	Actual Outside Diameter inches mm	C to E inches mm	Approximate (Each) lb kg
2 x 2 x 2 DN50 x DN50 x DN50	2.375 60.3	4.25 108	4.0 1.8
2 x 2 x 2 DN50 x DN50 x DN50	2.375 60.3	5.00 127	5.0 2.3
3 x 3 x 3 DN80 x DN80 x DN80	3.500 88.9	5.00 127	8.8 4.0
3 x 3 x 3 DN80 x DN80 x DN80	3.500 88.9	6.50 165	12.0 5.4
4 x 4 x 4 DN100 x DN100 x DN100	4.500 114.3	6.50 165	27.0 12.3

## 5.0 PERFORMANCE

Pressure ratings for Victaulic EndSeal™ fittings conform to the ratings of Victaulic Style HP-70ES couplings (refer to [publication 06.13](#))

## 6.0 NOTIFICATIONS

**⚠ WARNING**



- Read and understand all instructions before attempting to install, remove, adjust, or maintain any Victaulic piping products.
- Always verify that the piping system has been completely depressurized and drained immediately prior to installation, removal, adjustment, or maintenance of any Victaulic products.
- Wear safety glasses, hardhat, and foot protection.

**Failure to follow these instructions could result in death or serious personal injury and property damage.**

## 7.0 REFERENCE MATERIALS

- [06.13: Victaulic® EndSeal™ Coupling Style HP-70ES](#)
- [25.02: Victaulic® EndSeal™ Pipe Groove Specifications](#)
- [29.01: Victaulic® Terms and Conditions of Sale](#)
- [I-ENDCAP: Victaulic® End Cap Installation Instructions](#)

### 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, 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](http://www.victaulic.com).

### Warranty

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

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