



1.0 PRODUCT DESCRIPTION

Available Sizes:

- ¾ – 12"/DN20 – DN300

Maximum Working Pressure:

- Fitting pressure ratings are equivalent to the pressure ratings of the coupling used to install them. Coupling pressure ratings are pipe wall thickness dependent.

Function:

- Connects pipe sections, provides change in direction, and adapts sizes or components.

All fittings are supplied with Victaulic Original Groove System (OGS) grooves. Fittings are exclusively for use with Victaulic couplings, valves, accessories and pipe which feature ends containing the Victaulic OGS groove profile

Codes and requirements:

- Support hanger spacing correspond to ASME B31.1 Power Piping Code and ASME B31.9 Building Services Piping Code

2.0 CERTIFICATION/LISTINGS



NOTES

- See Victaulic submittal [publication 10.01](#) for details
- See Victaulic submittal [publication 02.06](#) for potable water approvals if applicable.

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

System No.		Location		Spec Section		Paragraph	
Submitted By		Date		Approved		Date	

3.0 MATERIAL SPECIFICATIONS

Schedule 10S Material Specifications:

Note: Fittings are optionally available in Schedule 5S for 3 – 12"/80 - 300mm.

Elbows:

- Standard: Schedule 10S, Type 304L or 316L stainless steel roll grooved from material conforming to A 403/A 403M, or pipe conforming to ASTM A 312/A 312M, or sheet conforming to ASTM A 240/A 240M.
- Optional: 1 – 2 ½"/DN25 – 65 mm and 76.1 mm 90° and 45° Elbows available in Schedule 10S, Grade CF8M (Type 316 stainless steel) conforming to ASTM A 351/A 351M, A 743/A 743M and A 774/A 744M.

Tees & Reducing Tees:

- Standard: Schedule 10S, Type 304L or 316L stainless steel roll grooved from material conforming to A 403/A 403M, or pipe conforming to ASTM A 312/A 312M, or sheet conforming to ASTM A 240/A 240M.
- Optional: 1 ½ – 2 ½"/DN40 – 65 mm and 76.1mm Tees available in Schedule 10S, Grade CF8M (Type 316 stainless steel) conforming to ASTM A 351/A 351M, A 743/A 743M and A 774/A 744M.

Laterals, True Wyes, Crosses:

- Standard: Schedule 10S, Type 304L or 316L stainless steel roll grooved from material conforming to A 403/A 403M, or pipe conforming to ASTM A 312/A 312M, or sheet conforming to ASTM A 240/A 240M.

Adapter Nipples:

- Standard: Schedule 10S, Type 304L or 316L stainless steel roll grooved from material conforming to A 403/A 403M, or pipe conforming to ASTM A 312/A 312M, or sheet conforming to ASTM A 240/A 240M.

Concentric Reducers:

- Standard: 1 ½ x ¾ – 2 ½" x 2"/DN40 x DN20 – 65 mm x DN50 and 76.1 x 60.3 mm Schedule 10S, Grade CF8M (Type 316 stainless steel) conforming to ASTM A 351/A 351M, A 743/A 743M and A 774/A 744M.
- Standard: 3 x 1 – 12 x 10"/DN80 x DN25 – DN300 x DN250 Schedule 10S, Type 304L or 316L stainless steel roll grooved from material conforming to A 403/A 403M, or pipe conforming to ASTM A 312/A 312M, or sheet conforming to ASTM A 240/A 240M.

Eccentric Reducers:

- Standard: Schedule 10S, Type 304L or 316L stainless steel roll grooved from material conforming to A 403/A 403M, or pipe conforming to ASTM A 312/A 312M, or sheet conforming to ASTM A 240/A 240M.

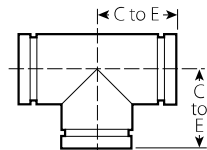
Caps:

- Standard: For use with Schedule 10S pipe, Schedule 10S, Grade CF8M (Type 316 stainless steel) conforming to ASTM A 351/A 351M, A 743/A 743M and A 774/A 744M.

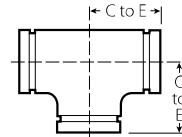
4.0 DIMENSIONS (CONTINUED)

Tees

No. 420 SS



No. 420 SS



No. 420 SS

Size		No. 420 SS Tee		
Nominal inches DN	Actual Outside Diameter inches mm	C to E inches mm	Approx. Weight Each lb kg	
1 ^(sw) 1 DN25 ^(sw)	1.325 33.7	2.25 57	0.7 0.3	
1 1/4 ¹ DN32	1.750 42.4	3.13 79	1.5 0.7	
1 1/2 ¹ DN40	1.900 48.3	3.38 86	2.2 1.0	
2 ¹ DN50	2.375 60.3	2.75 70	2.4 1.1	
2 1/2 ¹	2.875 73.0	3.13 79	3.7 1.7	
DN65	3.000 76.1	3.75 95	4.5 2.2	
3 DN80	3.500 88.9	3.75 95	3.1 1.4	
4 DN100	4.500 114.3	4.50 114	4.9 2.2	
DN125	5.500 139.7	5.25 133	7.9 3.6	
	6.500 165.1	5.88 149	11.3 5.1	
6 DN150	6.625 168.3	5.88 149	11.7 5.3	
216 JIS	8.000 216.3	7.75 197	20.3 9.2	
8 DN200	8.625 219.1	7.75 197	20.4 9.3	
267 JIS	10.000 267.4	8.88 226	33.9 15.4	
10 DN250	10.750 273.0	8.88 226	34.4 15.6	
318 JIS	12.000 318.5	10.38 264	48.4 22.0	
12 DN300	12.750 323.9	10.38 264	52.4 23.8	

¹ Cast fittings available in CF8M (Type 316 SS)

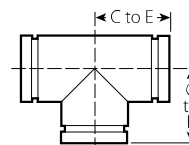
NOTE

- (sw) denotes segmentally welded

4.1 DIMENSIONS (CONTINUED)

Tees

No. 420H SS



No. 420H SS

Size		No. 420H SS Tee	
Nominal inches DN	Actual Outside Diameter inches mm	C to E inches mm	Approx. Weight Each lb kg
1 DN25	1.325 33.7	2.25 57	0.9 0.4
1 ¼ DN32	1.750 42.4	2.75 70	1.5 0.7
1 ½ DN40	1.900 48.3	2.75 70	1.7 0.8
2 ² DN50	2.375 60.3	3.25 83	2.5 1.1
2 ½ ²	2.875 73.0	3.75 95	4.7 2.1
3 ² DN80	3.500 88.9	4.25 108	7.0 3.2
4 DN100	4.500 114.3	5.00 127	13.0 5.9
6 DN150	6.625 168.3	6.50 165	26.4 12.0
8 DN200	8.625 219.1	7.75 197	46.1 20.9
10 DN250	10.750 273.0	9.00 229	71.5 32.4
12 DN300	12.750 323.9	10.00 254	100.0 45.4

² Cast fittings available in CF8M (Type 316 SS) and CE3MN (super duplex stainless steel)