



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.

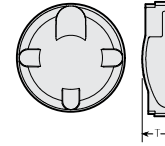
Caps:

- 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)

Cap

No. 460 SS



No. 460 SS

Size		No. 460 SS Cap		
Nominal	Actual Outside Diameter	Thickness "T"	Maximum Tap Size	Approx. Weight Each
inches DN	inches mm	inches mm	inches	lb kg
3/4 DN20	1.130 26.9	0.75 19	N/A	0.1 0.1
1 DN25	1.325 33.7	0.75 19	N/A	0.2 0.1
1 1/4 DN32	1.660 42.4	0.75 19	N/A	0.3 0.1
1 1/2 DN40	1.900 48.3	0.75 19	N/A	0.4 0.2
2 DN50	2.375 60.3	1.00 25	1/4	0.6 0.3
2 1/2	2.875 73.0	1.13 29	3/8	0.9 0.4
DN65	3.000 76.1	1.13 29	3/8	1.1 0.5
3 DN80	3.500 88.9	1.00 26	1/2	1.1 0.5
4 DN100	4.500 114.3	1.13 29	1/2	1.8 0.8
DN125	5.500 139.7	1.38 35	3/4	3.2 1.5
	6.500 165.1	1.75 44	3/4	4.1 1.9
6 DN150	6.625 168.3	1.75 44	3/4	4.0 1.8
216 JIS	8.000 216.3	2.25 57	3/4	7.0 3.2
8 DN200	8.625 219.1	2.25 57	3/4	7.0 3.2
267 JIS	10.00 267.4	2.75 70	2	7.5 3.4
10 DN250	10.75 273.0	2.75 70	2	17.8 8.1
318 JIS	12.00 318.5	3.25 83	2	26.3 12.0
12 DN300	12.75 323.9	3.25 83	2	26.7 12.1

NOTE

- End caps are available with an NPT/BSPT tapped port. Contact Victaulic for more information.

3.1 MATERIAL SPECIFICATIONS (CONTINUED)

Schedule 40S Material Specifications:

Note: All fittings in this section are segmentally welded stainless steel unless otherwise noted

Elbows:

- Standard: Schedule 40S, Type 304L or 316L stainless steel roll or cut 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: 2 – 3"/DN40 – DN80 90° and 45° Elbows available in Schedule 40S, Grade CF8M (Type 316 stainless steel) conforming to ASTM A 351/A 351M, A 743/A 743M and A 774/A 744M
- Optional: 2 – 3"/DN40 – DN80 90° and 45° Elbows available in Schedule 40S, Grade CE3MN Grade 5 (super duplex stainless steel) conforming to A890 and A995.

Tees & Reducing Tees:

- Standard: Schedule 40S, Type 304L or 316L stainless steel roll or cut 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: 2 – 3"/DN40 – DN80 Tees & 3 x 2 ½"/DN80 x 65 mm Reducing Tees available in Schedule 40S, Grade CF8M (Type 316 stainless steel) conforming to ASTM A 351/A 351M, A 743/A 743M and A 774/A 744M
- Optional: 2 – 3"/DN40 – DN80 Tees & 3 x 2 ½"/DN80 x 65 mm Reducing Tees available in Schedule 40S, Grade CE3MN Grade 5 (super duplex stainless steel) conforming to A890 and A995.

Laterals, True Wyes, Crosses:

- Standard: Schedule 40S, Type 304L or 316L stainless steel roll or cut 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 40S, Type 304L or 316L stainless steel roll or cut 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 & Eccentric Reducers:

- Standard: Schedule 40S, Type 304L or 316L stainless steel roll or cut 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.

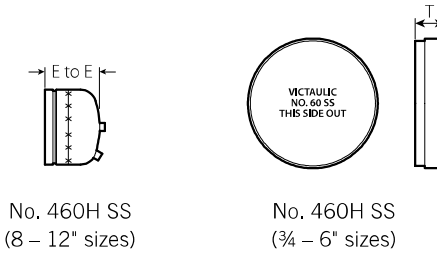
Caps:

- Standard: For use with Schedule 40S pipe, Schedule 40S, Type 304L or 316L stainless steel roll or cut 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.

4.1 DIMENSIONS (CONTINUED)

Cap

No. 460H SS



No. 460H SS
(8 – 12" sizes)

No. 460H SS
(¾ – 6" sizes)

Size		No. 460H SS Cap		
Nominal inches DN	Actual Outside Diameter inches mm	Thickness "T" inches mm	Maximum Tap Size inches	Approx. Weight Each lb kg
¾ DN20	1.130 26.9	0.91 23	N/A	0.2 0.10
1 DN25	1.325 33.7	0.91 23	N/A	0.3 0.14
1 ¼ DN32	1.750 42.4	0.94 24	½	0.6 0.27
1 ½ DN40	1.900 48.3	0.94 24	¾	0.7 0.32
2 DN50	2.375 60.3	0.94 24	1	1.2 0.54
2 ½	2.875 73.0	0.97 25	1 ½	1.7 0.77
3 DN80	3.500 88.9	0.97 25	2	2.6 1.18
4 DN100	4.500 114.3	1.03 26	2 ½	4.6 2.09
6 DN150	6.625 168.3	1.03 26	3	10.1 4.58
8 ³ DN200	8.625 219.1	6.25 159	*	21.8 9.89
10 ³ DN250	10.750 273.0	7.25 184	*	34.0 15.42
12 ³ DN300	12.750 323.9	8.50 216	*	47.9 21.73

³ Denotes dish caps

* Contact Victaulic for tap sizes

NOTES

- Sizes 8"– 12" have an End to End dimension of that listed. Thickness does not apply.
- End caps are available with an NPT/BSPT tapped port. Contact Victaulic for more information.