



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	
Submitted By		Date	

Spec Section		Paragraph	
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.

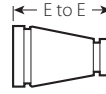
Caps:

- 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)

Concentric Reducers

No. 450 SS



No. 450 SS

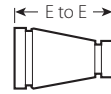
Nominal Size inches DN	Actual Outside Diameter inches mm	No. 450 SS Concentric Reducer	
		E to E Run inches mm	Approx. Weight Each lb kg
1½ DN40	¾¹ DN20 1.900 48.3	3.75 95	1.3 0.6
		3.75 95	1.4 0.6
		3.75 95	1.5 0.7
		3.75 95	1.5 0.7
2 DN50	¾¹ DN20 2.375 60.3	3.75 95	2.0 0.9
		3.75 95	2.1 1.0
		3.75 95	2.3 1.0
		3.75 95	2.3 1.0
		5.00 127	1.3 0.6
2½	1¹ DN25 2.875 73.0	5.00 127	3.0 1.4
		5.00 127	2.8 1.3
		5.00 127	1.7 0.8
		5.00 127	1.7 0.8
DN65	60.3	2.50 64	1.7 0.8
		2.50 64	1.7 0.8
3 DN80	1 DN25 3.500 88.9	5.00 127	4.0 1.8
		5.00 127	4.1 1.9
		5.00 127	4.2 1.9
		5.00 127	1.6 0.7
		5.00 127	0.7 0.3
		5.00 127	1.5 0.7
		5.00 127	1.5 0.7
		5.00 127	1.5 0.7
4 DN100	2 DN50 4.500 114.3	5.00 127	3.9 1.8
		5.00 127	5.8 2.6
		5.00 127	5.8 2.6
		5.00 127	2.0 0.9
		5.00 127	2.0 0.9

¹ Cast fittings available in CF8M (Type 316 SS)

4.0 DIMENSIONS (Continued)

Concentric Reducers

No. 450 SS



No. 450 SS

Nominal Size inches DN	Actual Outside Diameter inches mm	No. 450 SS Concentric Reducer	
		E to E Run inches mm	Approx. Weight Each lb kg
DN125 x DN88.9	5.500 x 3.500 139.7 x 88.9	5.00 127	3.0 1.4
DN114.3	4.500 114.3	5.00 127	3.2 1.5
6 DN150 x 2½	6.625 x 2.875 168.3 x 73.0	9.00 229	6.8 3.1
3 DN80	3.500 88.9	5.50 140	4.0 1.8
4 DN100	4.500 114.3	5.50 140	4.2 1.9
DN125	5.500 139.7	5.50 140	4.5 2.0
8 DN200 x 4 DN100	8.625 x 4.500 219.1 x 114.3	6.00 152	5.3 2.4
DN125	5.500 139.7	6.00 152	6.1 2.8
6 DN150	6.625 168.3	6.00 152	7.0 3.2
10 DN250 x 6 DN150	10.750 x 6.625 273 x 168.3	7.00 178	8.8 4.0
8 DN200	8.625 219.1	7.00 178	11.5 5.2
12 DN300 x 8 DN200	12.750 x 8.625 323.9 x 219.1	8.00 203	13.2 6.0
10 DN250	10.750 273.0	8.00 203	17.0 7.7