



1.0 PRODUCT DESCRIPTION

Available Sizes

- 3 – 36"/DN80 – DN900

Maximum Working Pressure

- Fitting maximum pressure ratings are equivalent to the pressure ratings of the coupling used to install them (See section 7.0 for Reference Materials).

Application

- Supplied with rigid radius grooves in accordance with ANSI/AWWA C-606
- Connects pipe, provides change in direction, and adapts sizes or components.

Pipe Material

- Ductile iron, gray iron

NOTES

- Fittings conform to ANSI A21.10/AWWA
- C-110 for center-to-end dimensions and AWWA C-153 or ANSI A21.10/AWWA C-110 for wall thickness.
- Fittings are available with flanged ends wherever grooved ends are shown.
- Linings include cement/mortar Type 2 (standard) and others. Fittings can readily be prepared for glass lining by others.
- Victaulic fittings shown have an end-to-end dimension tolerance of $\pm 1/8"$ in all sizes and styles.
- Victaulic can supply tapped fittings on order to ANSI B16.1 dimension locations. Specify fitting size, tap location by letter on order.
- Grooved end base 90° elbows and base tees are available with dimensions to ANSI B16.1.

2.0 CERTIFICATION/LISTINGS

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

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 SPECIFICATIONS – MATERIAL

Fitting:

Ductile iron conforming to ASTM A-536, Grade 65-45-12. Ductile iron conforming to ASTM A-395, grade 65-45-15 is available upon special request.

Fitting Coating: (specify choice)

- **Standard on request**

Non-coated

Alkyd-phenol primer

Bituminous coating

- **Optional**

Coal tar epoxy coating

Cement/mortar lining – Type II

Glass Lining

Other linings available. Contact Victaulic.

NOTES

- Coatings are applied per manufacturer's recommended mils.
- The standard black asphalt coating used on Victaulic cement lined AWWA size fittings is NSF 61 Listed.
- Cast surfaces will be provided with surface equivalent to SSPC-SP6 prior to coating unless specified otherwise.

4.4 DIMENSIONS

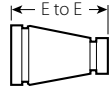
Reducers and Reducing Elbows

No. 50-C Concentric Reducer

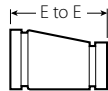
No. 51-C Eccentric Reducer

No. 10-CR 90° Reducing Elbow

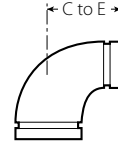
No. 100-CR 90° Long Radius Reducing Elbow



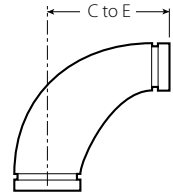
No. 50-C



No. 51-C



No. 10-CR



No. 100-CR

Size			No. 50-C Concentric Reducer		No. 51-C Eccentric Reducer		No. 10-CR 90° Reducing Elbow		No. 100-CR 90° Long Radius Reducing Elbow	
Nominal inches DN			E to E inches mm	Approx. Weight (Each) lb kg	E to E inches mm	Approx. Weight (Each) lb kg	C to E inches mm	Approx. Weight (Each) lb kg	C to E inches mm	Approx. Weight (Each) lb kg
4	x	3	7.00	10.0	7.00	12.0	6.50	17.0	9.00	20.0
100		80	178	4.5	178	5.4	165	7.7	229	8.1
6	x	3	9.00	15.0	9.00	20.0	8.00	28.5	11.50	36.0
150		80	229	6.8	229	9.1	203	12.9	292	16.3
		4	9.00	16.5	9.00	25.0	8.00	29.6	11.50	40.0
		100	229	7.5	229	11.3	203	13.4	292	18.1
8	x	3	11.00	33.0	11.00	*	—	—	—	—
200		80	279	15.0	279					
		4	11.00	28.0	11.00	35.0	9.00	46.5	14.00	60.0
		100	279	12.7	279	15.9	229	21.1	356	27.2
		6	11.00	34.0	11.00	44.0	9.00	48.5	14.00	71.0
		150	279	15.4	279	20.0	229	22.0	356	32.2
10	x	4	12.00	42.0	12.00	54.0	11.00	68.0	16.50	90.0
250		100	305	19.1	305	24.5	279	30.8	419	40.8
		6	12.00	46.0	12.00	60.0	11.00	77.0	16.50	106.0
		150	305	20.9	305	27.2	279	34.9	419	48.1
		8	12.00	50.0	12.00	70.0	11.00	88.0	16.50	121.0
		200	305	22.7	305	31.8	279	39.9	419	54.9
12	x	4	14.00	60.0	14.00	82.0	12.00	*	*	*
300		100	356	27.2	356	37.2	305			
		6	14.00	70.0	14.00	84.0	12.00	110.0	19.00	143.0
		150	356	31.8	356	38.1	305	49.9	483	64.9
		8	14.00	74.0	14.00	91.0	12.00	126.0	19.00	163.0
		200	356	33.6	356	41.3	305	57.2	483	73.9
		10	14.00	84.0	14.00	110.0	12.00	150.0	19.00	188.0
		250	356	38.1	356	49.9	305	68.0	483	85.3
14	x	6	16.00	89.0	16.00	104.0	14.00	*	*	*
350		150	406	40.4	406	47.2	356			
		8	16.00	102.0	16.00	121.0	14.00	135.0	21.50	183.0
		200	406	46.3	406	54.9	356	61.2	546	83.0
		10	16.00	112.0	16.00	135.0	14.00	170.0	21.50	213.0
		250	406	50.8	406	61.2	356	77.1	546	96.6
		12	16.00	126.0	16.00	150.0	14.00	195.0	21.50	240.0
		300	406	57.4	406	68.0	356	88.5	546	108.9
16	x	6	18.00	11.0	18.00	140.0	—	—	*	*
400		150	457	49.9	457	63.5				
		8	18.00	122.0	18.00	160.0	15.00	*	24.00	228.0
		200	457	55.3	457	72.6	381		610	103.4
		10	18.00	135.0	18.00	168.0	15.00	195.0	24.00	263.0
		250	457	61.2	457	76.2	381	88.5	610	119.3
		12	18.00	146.0	18.00	190.0	15.00	240.0	24.00	295.0
		300	457	66.2	457	86.2	381	108.9	610	133.8
		14	18.00	173.0	18.00	210.0	15.00	280.0	24.00	290.0
		350	457	78.5	457	95.3	381	127.0	610	131.5

* Contact Victaulic for details.