



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.

4.1 DIMENSIONS

Tee, True Wye, Cross, Lateral, and Cap

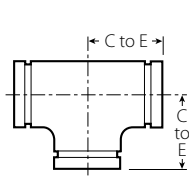
No. 20-C Tee

No. 33-C True Wye

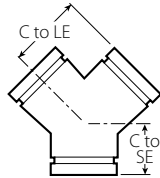
No. 35-C Cross

No. 30-C 45° Lateral

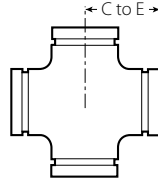
No. 60-C Cap



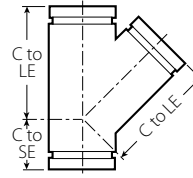
No. 20-C



No. 33-C



No. 35-C



No. 30-C



No. 60-C

Size		No. 20-C Tee		No. 33-C True Wye			No. 35-C Cross		No. 30-C 45° Lateral			No. 60-C Cap ¹	
Nominal	Actual Outside Diameter	C to E	Approx. Weight (Each)	C to LE	C to SE	Approx. Weight (Each)	C to E	Approx. Weight (Each)	C to LE	C to SE	Approx. Weight (Each)	T Thickness	Approx. Weight (Each)
inches DN	inches mm	inches mm	lb kg	inches mm	inches mm	lb kg	inches mm	lb kg	inches mm	inches mm	lb kg	inches mm	lb kg
3	3.960	5.50	14.2	5.50	3.00	25.00	5.50	24.0	10.00	3.00	28.0	1.22	3.0
80	100.6	140	6.4	140	76	635	140	10.9	254	76	12.7	31	1.4
4	4.800	6.50	19.0	6.50	3.00	55.0	6.50	40.0	12.00	3.00	38.4	1.16	5.0
100	121.9	165	8.6	165	76	25.0	165	18.1	305	76	12.7	29	2.3
6	6.900	8.00	34.0	8.00	3.50	90.0	8.00	71.0	14.50	3.50	67.0	1.16	9.0
150	175.3	203	15.4	203	89	40.8	203	32.2	368	89	30.4	29	4.1
8	9.050	9.00	59.0	9.00	4.50	140.0	9.00	106.0	17.50	4.50	120.0	1.34	16.0
200	229.9	229	26.8	229	114	63.5	229	48.1	445	114	54.4	34	7.3
10	11.100	11.00	111.0	11.00	5.00	220.0	11.00	225.0	20.50	5.00	215.0	1.53	37.2
250	281.9	279	50.4	279	127	99.8	279	102.1	521	127	97.5	39	16.9
12	13.200	12.00	136.0	12.00	5.50	315.0	12.00	310.0	24.50	5.50	346.0	1.53	52.0
300	335.3	305	61.7	305	140	142.9	305	140.6	622	140	157.0	39	23.6
14	15.300	14.00	262.0	14.00	6.00	*	14.00	307.0	27.00	6.00	492.0	2.75 ²	55.0
350	388.6	356	118.8	356	152	*	356	139.3	686	152	223.2	70	25.0
16	17.400	15.00	304.0	15.00	6.50	*	15.00	426.0	30.00	6.50	696.0	2.75 ²	68.0
400	442.0	381	137.9	381	165	*	381	193.2	762	165	315.7	70	30.9
18	19.500	16.50	408.0	16.50	7.00	*	16.50	567.0	32.00	7.00	870.0	2.75 ²	90.0
450	495.3	419	185.1	419	178	*	419	254.9	813	178	394.6	70	40.8
20	21.600	18.00	552.0	18.00	8.00	*	18.00	717.0	35.00	8.00	1103.0	2.75 ²	110.0
500	548.6	457	250.4	457	203	*	457	325.2	889	203	500.3	70	50.0
24	25.800	22.00	980.0	22.00	9.00	*	22.00	1177.0	40.50	9.00	1746.0	2.75 ²	165.0
600	655.3	559	444.5	559	229	*	559	533.9	1029	229	792.0	70	74.8
30	32.000	25.00	1552.0	25.00	10.00	*	25.00	1366.0	49.00	10.00	3280.0	4.00 ²	300.0
750	762.0	635	704.0	635	254	*	635	619.6	1245	254	1487.8	102	136.1
36	38.300	28.00	2050.0	28.00	15.00	*	28.00	1885.0	56.00	15.25	5020.0	4.00 ²	536.0
900	914.4	711	929.9	711	381	*	711	855.0	1422	387	2277.1	102	243.1

¹ Caps from ½ – 3/15 – 80 mm tap sizes.

² Dish Caps.

* Contact Victaulic for details.