



No. 20 Tee



No. 10 Elbow

Certifications/Listings



When supplied as “hot dip galvanized” the following fittings are UL Classified in accordance with ANSI/NSF 61 and for use on cold +86°F/+30°C potable water service and ANSI/NSF 372: No. 10 90° Elbow, No. 11 45° Elbow, No. 12 22 1/2° Elbow, No. 13 11 1/4° Elbow, No. 100 90° Long Radius Elbow, No. 110 45° Long Radius Elbow, No. 20 Tee, No. 25 Tee with Grooved Branch, No. 30 45° Lateral, No. 60 Cap, No. 50 Concentric Reducers, No. 51 Eccentric Reducers.

Note: The following Victaulic fittings are VdS approved: No.10 90° Elbow, No.11 45° Elbow, No.20 Tee and No.60 Cap.

Note: The following Victaulic fittings are LPCB approved: No.10 90° Elbow, No.11 45° Elbow, No.12 22 1/2° Elbow, No.13 11 1/4° Elbow, No.30 45° Lateral, No.30-R Reducing Lateral, No.100 Long Radius Elbow, No.110 Long Radius Elbow, No.20 Tee, No.35 Cross, No.60 Cap, No.25 Reducing Tee, No.33 True Wye, No.50 Concentric Reducer, No.51 Eccentric Reducer and No.29M Tee with Threaded Branch.

Product Description

- Wide range of fittings from ¾ – 60"/20 – 1500 mm
- Fittings conform to the pressure ratings of the Style 77 coupling
- Fittings are provided with grooved or shouldered ends.

Note: These fittings are not intended for use with Victaulic plain end couplings.

- Fittings are intended for use in grooved piping systems only

Note: When connecting wafer or lug type butterfly valves directly to Victaulic fittings using Style 741 or 743 flange adapters, be sure to check disc clearance dimensions with I.D. dimension of fitting.

Job/Owner

System No.	
Location	

Contractor

Submitted By	
Date	

Engineer

Spec Section	
Paragraph	
Approved	
Date	

Material Specifications

Fitting: (specify choice)

- Standard: Ductile iron conforming to ASTM A-536, Grade 65-45-12.
- Optional: Segmentally welded steel as shown under nipples

Nipples: (specify choice)

- $\frac{3}{4}$ – 4"/20 – 100 mm: Carbon steel, Schedule 40, conforming to ASTM A-53, Type F
- 5 – 6"/125 – 150 mm: Carbon steel, Schedule 40, conforming to ASTM A-53, Type E or S, Gr. B
- 8 – 12"/200 – 300 mm: Carbon steel, Schedule 30 or 40, conforming to ASTM A-53, Type E or S, Gr. B

Flanged Adapter Nipples: (specify choice)

- Class 125 Flange: Cast iron conforming to ANSI B-16.1
- Class 150 Flange: Carbon steel conforming to ANSI B-16.5, raised or flat face
- Class 300 Flange: Carbon steel conforming to ANSI B-16.5, raised or flat face

Fitting Coating: (specify choice)

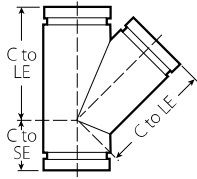
- Standard: Orange enamel.
- Optional: Hot dip galvanized and others. Some fittings supplied electroplated as standard – see product specifications.

Flanged Adapter Nipple Coating: (specify choice)

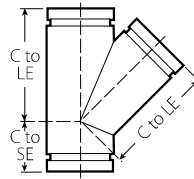
- Standard: None (Unfinished)
- Optional: Orange enamel, hot dip galvanized and others.

45° Lateral

No. 30




No. 30



No. 30

Size		No. 30 45° Lateral		
Nominal Size	Actual Outside Diameter	C to LE	C to SE	Approx. Weight Each
inches mm	inches mm	inches mm	inches mm	lbs. kg
¾	1.050	4.50 (sw)	2.00 (sw)	1.0
20	26.9	114	51	0.5
1	1.315	5.00 (sw)	2.25 (sw)	1.7
25	33.7	127	57	0.8
1¼	1.660	5.75	2.50	2.5 (d)
32	42.4	146	64	1.1
1½	1.900	6.25 (sw)	2.75 (sw)	3.5
40	48.3	159	70	1.6
2	2.375	7.00 (sw)	2.75 (sw)	5.0
50	60.3	178	70	2.3
2½	2.875	7.75 (sw)	3.00 (sw)	9.0
65	73.0	197	76	4.1
76.1 mm	3.000	8.50 (sw)	3.25 (sw)	11.0
	76.1	216	83	5.0
3	3.500	8.50	3.25	11.7 (d)
80	88.9	216	83	5.4
3½	4.000	10.00 (sw)	3.50 (sw)	17.8
90	101.6	254	89	8.1
4	4.500	10.50	3.75	22.2 (d)
100	114.3	267	95	10.1
5	5.563	12.50 (sw)	4.00 (sw)	21.8
120	141.3	318	102	9.9

10 For 14"/350 mm and larger roll grooved systems, Victaulic offers the Advanced Groove System (AGS). For pricing and availability of cut groove fittings in this size, contact your nearest Victaulic sales representative.

Size		No. 30 45° Lateral		
Nominal Size	Actual Outside Diameter	C to LE	C to SE	Approx. Weight Each
inches mm	inches mm	inches mm	inches mm	lbs. kg
165.1 mm	6.500 165.1	14.00 (sw) 356	4.50 (sw) 114	43.6 19.8
6	6.625 150	14.00 (sw) 356	4.50 (sw) 114	43.6 49.8
8	8.625 200	18.00 (sw) 457	6.00 (sw) 152	72.0 32.7
10	10.750 250	20.50 (sw) 521	6.50 (sw) 165	105.0 47.6
12	12.750 300	23.00 (sw) 584	7.00 (sw) 178	165.0 74.8
14 ¹⁰	14.000 350	26.50 (sw) 673	7.50 (sw) 191	276.0 125.2
16 ¹⁰	16.000 400	29.00 (sw) 737	8.00 (sw) 203	344.2 156.1
18 ¹⁰	18.000 450	32.00 (sw) 813	8.50 (sw) 216	429.0 194.6
20 ¹⁰	20.000 500	35.00 (sw) 889	9.00 (sw) 229	500.0 226.8
24 ¹⁰	24.000 600	40.00 (sw) 1016	10.00 (sw) 254	715.0 324.3
14 – 60 350 – 1500	For AGS fitting information, see publication 20.05 			

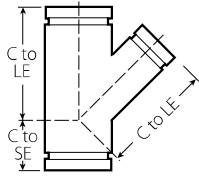
10 For 14"/350 mm and larger roll grooved systems, Victaulic offers the Advanced Groove System (AGS). For pricing and availability of cut groove fittings in this size, contact your nearest Victaulic sales representative.

General Notes

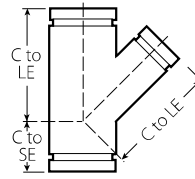
Note: All fittings are ductile iron unless otherwise noted with an (sw) or (s).
 (s) = Carbon Steel Direct Roll Groove (OGS)
 (sw) = Carbon Steel Segmentally Welded

45° Reducing Lateral

No. 30-R



No. 30-R



No. 30-R

Size		No 30-R 45° Reducing Lateral					
Nominal Size inches mm		C to LE inches mm	C to SE inches mm	Approx. Weight Each lbs. kg			
3 80	x	3 80	x	2 50	8.50 216	3.25 83	9.8 4.4
				2½ 65	8.50 216	3.25 83	9.8 4.4
4 100	x	4 100	x	2 50	10.50 267	3.75 95	10.0 4.5
				2½ 65	10.50 267	3.75 95	10.0 4.5
				3 80	10.50 267	3.75 95	18.3 8.3
5 125	x	5 125	x	2 50	12.50 318	4.00 102	24.0 10.9
				3 80	12.50 318	4.00 102	27.0 12.2
				4 100	12.50 318	4.00 102	26.5 12.0
				6 150	12.50 318	4.00 102	27.0 12.2
6 150	x	6 150	x	3 80	14.00 356	4.50 114	37.0 16.8
				4 100	14.00 356	4.50 114	36.0 16.3
				5 125	14.00 356	4.50 114	44.7 20.3
				8 200	14.00 356	4.50 114	44.7 20.3
8 200	x	8 200	x	4 100	18.00 457	6.00 152	62.0 28.1
				5 125	18.00 457	6.00 152	75.5 34.2
				6 150	18.00 457	6.00 152	82.0 37.2
				10 250	18.00 457	6.00 152	82.0 37.2
10 250	x	10 250	x	4 100	20.50 521	6.50 165	104.8 47.5
				5 125	20.50 521	6.50 165	99.0 44.9
				6 150	20.50 521	6.50 165	105.8 48.0
				8 200	20.50 521	6.50 165	118.0 53.5
12 300	x	12 300	x	5 125	23.00 584	7.00 178	122.0 55.3
				6 150	23.00 584	7.00 178	137.0 62.1
				8 200	23.00 584	7.00 178	147.0 66.7
				10 250	23.00 584	7.00 178	167.0 75.8
				12 300	23.00 584	7.00 178	167.0 75.8

Size		No 30-R 45° Reducing Lateral					
Nominal Size inches mm		C to LE inches mm	C to SE inches mm	Approx. Weight Each lbs. kg			
14 ¹¹ 350	x	14 350	x	4 100	26.50 673	7.50 191	172.0 78.0
				6 150	26.50 673	7.50 191	187.0 84.8
				8 200	26.50 673	7.50 191	205.8 93.4
				10 250	26.20 673	7.50 191	235.0 106.6
				12 300	26.50 673	7.50 191	250.0 113.4
				16 ¹¹ 400	x	16 400	x
8 200	29.00 737	8.00 203	252.5 114.5				
10 250	29.00 737	8.00 203	265.0 120.2				
12 300	29.00 737	8.00 203	295.0 133.8				
14 350	29.00 737	8.00 203	305.0 138.3				
18 ¹¹ 450	x	18 450	x	6 150			
8 200				32.00 813	8.50 216	275.0 124.7	
12 300				32.00 813	8.50 216	347.0 157.4	
14 350				32.00 813	8.50 216	350.0 158.8	
16 400				32.00 813	8.50 216	362.0 164.2	
20 ¹¹ 500				x	20 500	x	12 300
14 350	35.00 889	9.00 229	420.0 190.5				
16 400	35.00 899	10.00 229	425.0 192.8				
24 ¹¹ 600	x	24 600	x				16 400
20 600				40.00 1016	10.00 254	570.0 258.6	
24 600				40.00 1016	10.00 254	570.0 258.6	
14 – 60 350 – 1500		For AGS fitting information, see publication 20.05 AGS™					

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