



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.

Flanged Adapter Nipple

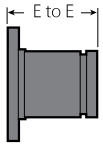
No. 41 ANSI Class 125

No. 45F ANSI Class 150 Flat Face

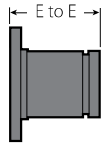
No. 45R ANSI Class 150 Raised Face

No. 46F ANSI Class 300 Flat Face

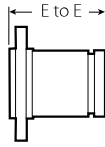
No. 46R ANSI Class 300 Raised Face



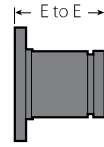
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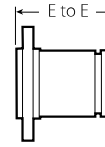
No. 45F



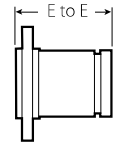
No. 45R



No. 46F



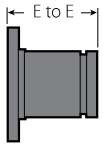
No. 46R



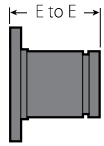
No. 45RE

Size		No. 41 ANSI 125 Flange Adapter Nipple		No. 45F and No. 45R ANSI 150 Flanged Adapter Nipple (s)		No. 46F and No. 46R ANSI 300 Flanged Adapter Nipple (s)		No. 45RE Flanged Adapter Nipple (s)	
Nominal Size	Actual Outside Diameter	E to E	Approx. Weight Each	E to E	Approx. Weight Each	E to E	Approx. Weight Each	E to E	Approx. Weight Each
inches mm	inches mm	inches mm	lbs. kg	inches mm	lbs. kg	inches mm	lbs. kg	inches mm	lbs. kg
¾ 20	1.050 26.9	3.00 76	—	3.00 76	2.3 1.0	3.00 76	3.3 1.5	—	—
1 25	1.315 33.7	3.00 76	2.5 1.1	3.00 76	2.7 1.2	3.00 76	3.9 1.8	—	—
1¼ 32	1.660 42.4	4.00 102	3.0 1.4	4.00 102	3.3 1.5	4.00 102	4.8 2.2	—	—
1½ 40	1.900 48.3	4.00 102	3.5 1.6	4.00 102	3.9 1.8	4.00 102	6.9 3.1	—	—
2 50	2.375 60.3	4.00 102	5.5 2.5	4.00 102	6.0 2.7	4.00 102	8.2 3.7	2.50 64	5.3 2.4
2½ 65	2.875 73.0	4.00 102	8.0 3.6	4.00 102	9.9 4.5	4.00 102	11.9 5.4	—	—
76.1 mm	3.000 76.1	—	—	—	—	—	—	2.50 64	6.5 2.9
3 80	3.500 88.9	4.00 102	9.5 4.3	4.00 102	11.7 5.3	4.00 102	16.5 7.5	2.50 64	8.2 3.7
3½ 90	4.000 101.6	4.00 102	12.0 5.4	4.00 102	15.1 6.8	4.00 102	20.1 9.1	—	—
4 100	4.500 114.3	6.00 152	16.7 7.6	6.00 152	18.5 8.4	6.00 152	27.4 12.4	2.75 70	10.0 45
5 125	5.563 141.3	6.00 152	21.5 9.8	6.00 152	21.3 9.7	6.00 152	35.3 16.0	—	—
139.7 mm	5.000 139.7	—	—	—	—	—	—	2.75 70	16.3 7.4
6 150	6.625 168.3	6.00 152	26.5 12.0	6.00 152	27.5 12.5	6.00 152	47.5 21.5	2.75 70	16.3 7.4
8 200	8.625 219.1	6.00 152	39.0 17.7	6.00 152	41.3 18.8	6.00 152	70.3 31.9	—	—
10 250	10.750 273.0	8.00 203	57.0 25.9	8.00 203	59.3 27.1	8.00 203	100.8 45.7	—	—
12 300	12.750 323.9	8.00 203	41.0 18.6	8.00 203	40.0 40.0	8.00 203	146.2 66.3	—	—
14 ¹⁴ 350	14.000 355.6	8.00 203	—	8.00 203	+	8.00 203	+	—	—
16 ¹⁴ 400	16.000 406.4	8.00 203	—	8.00 203	+	8.00 203	+	—	—
18 ¹⁴ 450	18.000 457.0	8.00 203	—	8.00 203	+	8.00 203	+	—	—

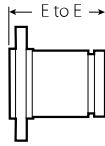
14 For 14"/350 mm and larger roll grooved systems, Victaulic offers the Advanced Groove System (AGS). For pricing and availability of cut groove fittings in this size, contact your nearest Victaulic sales representative.



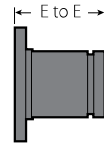
No. 41



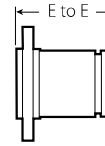
No. 45F



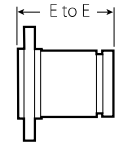
No. 45R




No. 46F



No. 46R



No. 45RE

Size		No. 41 ANSI 125 Flange Adapter Nipple		No. 45F and No. 45R ANSI 150 Flanged Adapter Nipple (s)		No. 46F and No. 46R ANSI 300 Flanged Adapter Nipple (s)		No. 45RE Flanged Adapter Nipple (s)	
Nominal Size	Actual Outside Diameter	E to E	Approx. Weight Each	E to E	Approx. Weight Each	E to E	Approx. Weight Each	E to E	Approx. Weight Each
inches mm	inches mm	inches mm	lbs. kg	inches mm	lbs. kg	inches mm	lbs. kg	inches mm	lbs. kg
20 ¹⁴ 500	20.000 508.0	8.00 203	—	8.00 203	+	8.00 203	+	—	—
24 ¹⁴ 600	24.000 610.0	8.00 203	—	8.00 203	+	8.00 203	+	—	—
14 – 60 350 – 1500	For AGS fitting information, see publication 20.05 								

14 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

+ Contact Victaulic for details.