Victaulic® Grooved End Fittings

07.01

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)

- ☒ ¾ – 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)

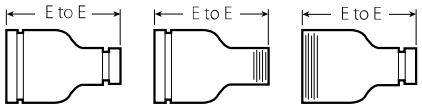
- ☒ Standard: Orange enamel.
- ☒ Optional: Hot dip galvanized and others. Some fittings supplied electroplated as standard – see product specifications.

Flanged Adapter Nipple Coating: (specify choice)

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

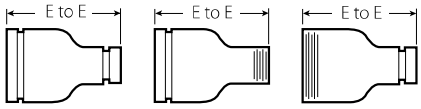
Swaged Nipple

No. 53 Grv. × Grv.
No. 54 Grv. × Thd.
No. 55 Thd. × Grv.



No. 53 No. 54 No. 55

Size			No. 53, 54, and 55 Swaged Nipples (s)	
Nominal Sizes inches mm			E to E inches mm	Approx. Weight Each lbs. kg
2 50	x	1 25	6.50 165	2.0 0.9
		1¼ 32	6.50 165	2.0 0.9
		1½ 40	6.50 165	2.0 0.9
2½ 65	x	1 25	7.00 178	3.0 1.4
		1¼ 32	7.00 178	3.0 1.4
		1½ 40	7.00 178	3.0 1.4
		2 50	7.00 178	3.0 1.4
3 80	x	1 25	8.00 203	4.5 2.0
		1¼ 32	8.00 203	4.5 2.0
		1½ 40	8.00 203	4.5 2.0
		2 50	8.00 203	4.5 2.0
		2½ 65	8.00 203	4.5 2.0
3½ 90	x	3 80	8.00 203	6.8 3.1
4 100	x	1 25	9.00 229	7.5 3.4
		1¼ 32	9.00 229	7.5 3.4
		1½ 40	9.00 229	7.5 3.4
		2 50	9.00 229	7.5 3.4
		2½ 65	9.00 229	7.5 3.4
		3 80	9.00 229	7.5 3.4
		3½ 90	9.00 229	7.5 3.4



No. 53 No. 54 No. 55

Size			No. 53, 54, and 55 Swaged Nipples (s)	
Nominal Sizes inches mm			E to E inches mm	Approx. Weight Each lbs. kg
5 125	x	2 50	11.00 279	11.5 5.2
		3 80	11.00 279	11.3 5.1
		4 100	11.00 279	11.5 5.2
6 150	x	1 25	12.00 305	17.0 7.7
		1¼ 32	12.00 305	17.0 7.7
		1½ 40	12.00 305	17.2 7.8
		2 50	12.00 305	17.4 7.9
		2½ 65	12.00 305	17.4 7.9
		3 80	12.00 305	17.4 7.9
		3½ 90	12.00 305	17.4 7.9
		4 100	12.00 305	17.5 7.9
		4½ 120	12.00 305	17.5 7.9
		5 125	12.00 305	17.5 7.9
8 200	x	6 150	+	20.0 9.1

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.

