

Fabricated Steel Fittings

Victaulic® offers a broad line of segmentally welded fittings in sizes through 24"/600mm in a variety of straight and reducing styles. Fittings are fabricated of ASTM A-53 carbon steel, or other materials by special order. Victaulic segmentally welded fittings pressure ratings conform to the ratings of Victaulic Style 77 couplings.

All fittings are grooved to permit fast installation without field preparation. The grooved design permits flexibility for easy alignment.

These fittings are not intended for use with Victaulic couplings for plain end pipe (refer to Section 14.04 for fittings available for plain end applications).

Fittings are painted orange enamel with galvanized optionally available, contact Victaulic for details.

Victaulic fittings are designed specifically for use in grooved piping systems. Fittings are provided grooved or with shoulders conforming to standard steel pipe outside diameters. When connecting wafer or lug-type butterfly valves directly to Victaulic fittings with 741 or 743 Vic-Flange® adapters, check disc clearance dimensions with I.D. dimension of fitting.

MATERIAL SPECIFICATIONS

Fitting:

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, standard wall, conforming to ASTM A-53, Type E or S, Gr. B.

14 – 24"/350 – 600 mm: Carbon steel, standard wall, conforming to ASTM A-53, Type E or S, Gr. B.

Fitting Coating: Orange enamel

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

JOB/OWNER

System No. _____

Location _____

CONTRACTOR

Submitted By _____

Date _____

ENGINEER

Spec Sect _____ Para _____

Approved _____

Date _____

Fabricated Steel Fittings

DIMENSIONS

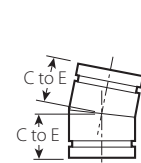
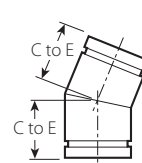
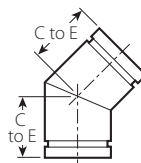
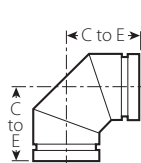
Elbows

90° ELBOW

45° ELBOW

22 1/2° ELBOW

11 1/4° ELBOW



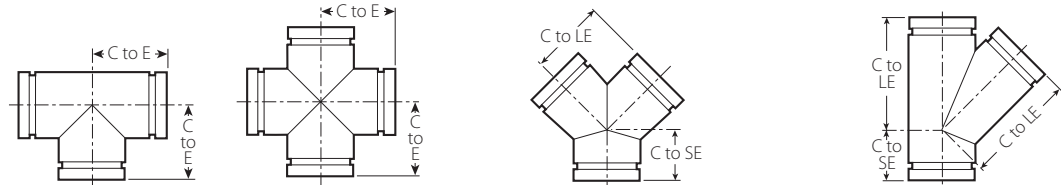
Size		90° Elbow		45° Elbow		22 1/2° Elbow		11 1/4° Elbow	
Nominal Size Inches mm	Actual Outside Dia. Inches mm	C to E Inches mm	Approx. Weight Each Lbs. kg	C to E Inches mm	Approx. Weight Each Lbs. kg	C to E Inches mm	Approx. Weight Each Lbs. kg	C to E Inches mm	Approx. Weight Each Lbs. kg
3/4	1.050	2.25 *	0.6	1.50 *	0.4	1.63	0.5	1.38	0.4
20	26.9	57	0.3	38	0.2	41	0.2	35	0.2
1	1.315	2.25 *	0.6	1.75 *	0.5	1.63	0.5	1.38	0.4
25	33.4	57	0.3	44	0.2	41	0.2	35	0.2
1 1/4	1.660	2.75 *	1.0	1.75 *	0.8	1.75	0.8	1.38	0.5
32	42.4	70	0.5	44	0.4	44	0.4	35	0.2
1 1/2	1.900	2.75 *	1.1	1.75 *	1.0	1.75	1.0	1.38	0.5
40	48.3	70	0.5	44	0.5	44	0.5	35	0.2
2	2.375	3.25 *	2.0	2.00 *	1.4	1.88	1.5	1.38 *	1.0
50	60.3	83	0.9	51	0.6	48	0.7	35	0.5
2 1/2	2.875	3.75 *	3.2	2.25 *	2.5	2.00 *	2.5	1.50	1.5
65	73.0	95	1.5	57	1.1	51	1.1	38	0.7
3	3.500	4.25 *	4.5	2.50 *	3.1	2.25 *	3.1	1.50 *	2.0
80	88.9	108	2.0	64	1.4	57	1.4	38	0.9
3 1/2	4.000	4.50 *	6.5	2.75 *	4.3	2.50	4.0	1.75	2.8
90	101.6	114	2.9	70	2.0	64	2.0	44	1.3
4	4.500	5.00 *	8.0	3.00 *	5.5	2.88	5.6	1.75 *	3.6
100	114.3	127	3.6	76	2.5	73	2.5	44	1.6
5	5.563	5.50 *	12.5	3.25 *	9.0	2.88	7.8	2.00	5.0
125	141.3	140	5.7	83	4.1	73	3.5	51	2.3
6	6.625	6.50 *	17.1	3.50 *	11.7	3.13	12.2	2.00 *	7.0
150	168.3	165	7.8	89	5.3	80	5.5	51	3.2
8	8.625	7.75 *	28.5	4.25 *	21.5	3.88	20.0	2.00	10.0
200	219.1	197	12.9	108	9.8	99	9.1	51	4.5
10	10.750	9.00 *	45.5	4.75 *	37.5	4.38	30.0	2.13	14.4
250	273.0	229	20.6	121	17.0	111	13.6	54	6.5
12	12.750	10.00 *	73.5	5.25 *	43.3	4.88	40.0	2.25	29.3
300	323.9	254	33.3	133	19.6	124	18.1	57	13.3
14	14.000	11.00 *	100.0	6.00 *	54.5	5.00	45.9	3.50	32.1
350	355.6	279	45.4	152	24.7	127	20.8	89	14.6
16	16.000	12.00 *	180.0	7.25 *	75.5	5.00	58.0	4.00	42.0
400	406.4	305	81.6	184	34.2	127	26.3	102	19.1
18	18.000	15.50	273.0	8.00	94.0	5.50	65.1	4.50	53.2
450	457.2	394	123.8	203	42.6	140	29.5	114	24.1
20	20.000	17.25	343.0	9.00	117.8	6.00	79.0	5.00	65.7
500	508.0	438	155.6	229	53.4	152	35.8	127	29.8
24	24.000	20.00	516.0	11.00	173.8	7.00	110.3	6.00	94.5
600	609.6	508	234.1	279	78.8	178	50.1	152	42.9

*Available in Victaulic Full Flow cast design.

Fabricated Steel Fittings

Tee, Cross, True Wye, and Cap

TEE
CROSS
TRUE WYE
45° LATERAL



Size		Tee		Cross		90° True Wye			45° Lateral		
Nominal Size Inches mm	Actual Outside Dia. Inches mm	C to E Inches mm	Approx. Wgt. Each Lbs. kg	C to LE Inches mm	Approx. Wgt. Each Lbs. kg	C to E Inches mm	C to SE Inches mm	Approx. Wgt. Each Lbs. kg	C to LE Inches mm	C to SE Inches mm	Approx. Wgt. Each Lbs. kg
¾	1.050	2.25 *	0.6	2.25	0.9	2.25	2.00	0.8	4.50	2.00	1.0
20	26.9	57	0.3	57	0.4	57	51	0.4	114	51	0.5
1	1.315	2.25 *	0.9	2.25	1.3	2.25 *	2.25 *	1.1	5.00	2.25	1.7
25	33.4	57	0.4	57	0.6	57	57	0.5	127	51	0.8
1 ¼	1.660	2.75 *	1.5	2.75	2.1	2.75	2.50	1.5	5.75	2.50	2.5
32	42.4	70	0.7	70	1.0	70	64	0.7	146	64	1.1
1 ½	1.900	2.75 *	1.7	2.75	2.5	2.75	2.75	1.8	6.25	2.75	3.5
40	48.3	70	0.8	70	1.1	70	70	0.8	159	70	1.6
2	2.375	3.25 *	2.9	3.25 *	3.8	3.25	2.75	2.3	7.00	2.75	5.0
50	60.3	83	1.3	83	1.7	83	70	1.0	178	70	2.3
2 ½	2.875	3.75 *	4.5	3.75	6.1	3.75	3.00	5.1	7.75	3.00	9.0
65	73.0	95	2.0	95	2.8	95	76	2.3	197	76	4.1
3	3.500	4.25 *	6.8	4.25 *	7.0	4.25	3.25	6.0	8.50 *	3.25 *	10.3
80	88.9	108	3.1	108	3.2	108	83	2.7	216	83	4.7
3 ½	4.000	4.50 *	7.9	4.50	11.5	4.50	3.50	9.6	10.00	3.50	22.0
90	101.6	114	3.6	114	5.2	114	89	4.4	254	89	10.0
4	4.500	5.00 *	13.5	5.00 *	12.5	5.00	3.75	10.0	10.50 *	3.75 *	22.2
100	114.3	127	6.1	127	5.7	127	95	4.5	267	95	10.1
5	5.563	5.50 *	17.8	5.50	20.0	5.50	4.00	15.0	12.50	4.00	30.0
125	141.3	140	8.1	140	9.1	140	102	6.8	318	102	13.6
6	6.625	6.50 *	27.3	6.50	28.0	6.50	4.50	22.3	14.00	4.50	42.0
150	168.3	165	12.4	165	12.7	165	114	10.1	356	114	19.1
8	8.625	7.75 *	45.0	7.75	48.0	7.75	6.00	39.6	18.00	6.00	82.0
200	219.1	197	20.4	197	21.8	197	152	18.0	457	152	37.2
10	10.750	9.00 *	68.7	9.00	76.7	9.00	6.50	62.2	20.50	6.50	128.6
250	273.0	229	31.2	229	34.8	229	165	28.2	521	165	58.3
12	12.750	10.00 *	91.3	10.00	100.0	10.00	7.00	81.7	23.00	7.00	172.7
300	323.9	254	41.4	254	45.4	254	178	37.1	584	178	78.3
14	14.000	11.00	110.5	11.00	121.0	11.00	7.50	98.0	26.50	7.50	219.1
350	355.6	279	50.1	279	54.9	279	191	44.4	673	191	99.4
16	16.000	12.00	135.7	12.00	146.4	12.00	8.00	119.3	29.00	8.00	270.5
400	406.4	305	61.6	305	66.4	305	203	54.1	737	203	122.7
18	18.000	15.50	207.3	15.50	232.4	15.50	8.50	171.8	32.00	8.50	332.7
450	457.2	394	94.0	394	105.4	394	216	77.9	813	216	150.9
20	20.000	17.25	256.8	17.25	288.0	17.25	9.00	209.9	35.00	9.00	401.3
500	508.0	438	116.5	438	130.6	438	229	95.2	889	229	182.0
24	24.000	20.00	354.1	20.00	393.2	20.00	10.00	285.5	40.00	10.00	541.3
600	609.6	508	160.6	508	178.4	508	254	129.5	1016	254	245.5

*Available in Victaulic Full Flow cast design.

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INSTALLATION

Reference should always be made to the I-100 Victaulic Field Installation Handbook for the product you are installing. Handbooks are included with each shipment of Victaulic products for complete installation and assembly data, and are available in PDF format on our website at www.victaulic.com.

WARRANTY

Refer to the Warranty section of the current Price List or contact Victaulic for details.

NOTE

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.



For complete contact information, visit www.victaulic.com

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