

# Plain End Fittings



SEE VICTAULIC PUBLICATION 10.01 FOR DETAILS

## STYLE 99

Victaulic Plain End Fittings are designed for use with Style 99 Roust-A-Bout® couplings in conjunction with plain end or beveled end pipe. Fittings are cast of ductile iron and finished with a dip coat of enamel. Hot dip galvanizing and other coatings are available.

Plain End Fittings are of full flow design to provide maximum flow. In some sizes and styles, welded steel fittings are supplied. Victaulic long radius fittings are available in many sizes and styles.



WARNING

**WARNING**  
 Victaulic plain end fittings must be used with Style 99 Roust-A-Bout couplings.

### MATERIAL SPECIFICATIONS

**Housing:** Ductile iron conforming to ASTM A-395, grade 65-45-15, and ASTM A-536, grade 65-45-12.

**Nipples:** (Adapter, swaged & hose).

- 1 - 1½" – Carbon steel, Schedule 40, conforming to ASTM A-53, Type F.
- 2 - 6" – Carbon steel, Schedule 40, conforming to ASTM A-53, Type E or S, Gr. B.
- 8 - 12" – Carbon steel, Schedule 30, conforming to ASTM A-53, Type E or S, Gr. B.
- Steel – Carbon steel, forged.

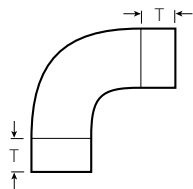
**Steel, Segmentally Welded:** (See steel, Nipples Specifications)

**Fitting Coating:** Orange enamel

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

### DIMENSIONS

Plain End Fittings  
Required Tangent  
Length



Roust-A-Bout											
Fitting Size		Min. Tang. Length "T" Inches mm	Fitting Size		Min. Tang. Length "T" Inches mm	Fitting Size		Min. Tang. Length "T" Inches mm	Fitting Size		Min. Tang. Length "T" Inches mm
Nominal Dia. Inches mm	Actual Out. Dia. Inches mm		Nominal Dia. Inches mm	Actual Out. Dia. Inches mm		Nominal Dia. Inches mm	Actual Out. Dia. Inches mm		Nominal Dia. Inches mm	Actual Out. Dia. Inches mm	
1 ½ 40	1.900 48.3	1.50 38	3½ 90	4.000 101.6	1.75 45	165.1 mm	6.500 165.1	2.13 54	12 300	12.750 323.9	2.25 57
2 50	2.375 60.3	1.75 45	4 100	4.500 114.3	2.00 51	8 200	8.625 219.1	2.25 57	14 350	14.000 355.6	2.25 57
2½ 65	2.875 73.0	1.75 45	5 125	5.563 141.3	2.13 54	10 250	10.750 273.0	2.25 57	16 400	16.000 406.4	2.25 57
3 80	3.500 88.9	1.75 45	6 150	6.625 168.3	2.13 54						

#### JOB/OWNER

System No. \_\_\_\_\_  
Location \_\_\_\_\_

#### CONTRACTOR

Submitted By \_\_\_\_\_  
Date \_\_\_\_\_

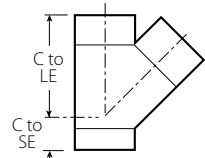
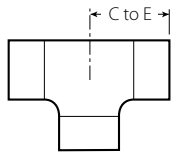
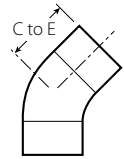
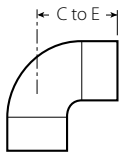
#### ENGINEER

Spec Sect \_\_\_\_\_ Para \_\_\_\_\_  
Approved \_\_\_\_\_  
Date \_\_\_\_\_

# Plain End Fittings

STYLE 99

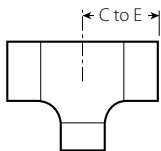
## DIMENSIONS Plain End Fittings



Fitting Size		No. 10P 90° Elbow		No. 11P 45° Elbow		No. 20P Tee		No. 30P (sw) 45° Lateral		
Nominal Size Inches mm	Actual Out. Dia. Inches mm	C to E Inches mm	Aprx. Weight Lbs kg	C to E Inches mm	Aprx. Weight Lbs kg	C to E Inches mm	Aprx. Weight Lbs kg	C to LE In./mm	C to SE In./mm	Aprx. Weight Lbs kg
1 25	1.315 33.7	2.25 57	0.6 0.3	1.75 44	0.6 0.3	2.25 (sw) 57	1.0 0.5	5.00 127	2.25 57	3.5 1.6
1 ½ 40	1.900 48.3	4.00 (sw) 102	1.4 0.6	2.88 (sw) 73	1.0 0.5	2.75 (sw) 70	1.7 0.8	6.25 159	2.75 70	3.5 1.6
2 50	2.375 60.3	4.75 (sw) 121	2.9 1.3	3.13 (sw) 80	1.4 0.6	3.25 (sw) 83	3.0 1.4	7.25 184	2.75 70	5.1 2.3
2 ½ 65	2.875 73.0	5.50 (sw) 140	3.9 1.8	3.50 (sw) 89	2.3 1.0	3.75 (sw) 95	6.8 3.1	7.75 197	3.00 76	9.3 4.2
3 80	3.500 88.9	6.25 (sw) 159	6.15 2.8	3.75 (sw) 95	4.3 2.0	4.25 (sw) 108	9.0 4.1	8.75 222	3.25 83	12.8 5.8
3 ½ 90	4.000 101.6	7.00 (sw) 178	7.0 3.2	4.00 (sw) 102	5.5 2.5	5.50 (sw) 140	12.5 5.7	10.00 254	3.50 89	20.0 9.1
4 100	4.500 114.3	7.75 (sw) 197	9.9 4.5	4.25 (sw) 108	7.0 3.2	5.00 127	11.9 5.4	10.75 263	3.75 95	19.0 8.6
5 125	5.563 141.3	9.50 241	20.4 9.3	5.13 (sw) 130	18.0 8.2	6.88 (sw) 175	17.1 7.8	12.75 324	4.00 102	30.0 13.6
6 150	6.625 168.3	6.50 165	20.4 9.3	3.50 89	11.9 5.4	6.50 165	29.5 13.3	14.00 356	4.50 114	43.3 19.6
8 200	8.625 219.1	10.00 (sw) 254	42.0 19.1	6.00 (sw) 152	28.5 12.9	10.00 (sw) 254	71.5 32.4	18.00 457	6.00 152	92.0 41.7
10 250	10.750 273.0	11.50 (sw) 292	50.0 22.7	6.50 (sw) 165	41.0 18.6	11.50 (sw) 292	116.0 52.6	20.75 527	6.50 165	106.0 48.1
12 300	12.750 323.9	13.50 (sw) 343	156.0 70.8	7.00 (sw) 178	57.8 26.2	13.50 (sw) 343	120.0 54.4	24.50 622	7.00 178	167.0 75.8

(sw) = Segmentally welded steel

## No. 25P Reducing Tee

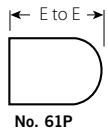
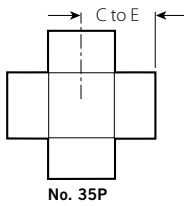
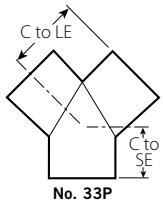


No.25P Reducing Tee																	
Size Nominal Inches mm			C to E Inches mm	Aprx. Weight Lbs kg	Size Nominal Inches mm			C to E Inches mm	Aprx. Weight Lbs kg								
1 ½ 40	×	1 ½ 40	×	1 25	4.00 102	2.2 1.0	6 150	×	6 150	×	4 100	7.63 194	26.2 11.9				
2 50	×	2 50	×	1 25	4.25 108	2.9 1.3	8 200	×	8 200	×	2 50	10.00 254	42.0 15.2				
				1 ½ 40	4.25 108	3.1 1.4					3 80	10.00 254	44.0 20.0				
				1 25	5.13 130	6.7 3.0					4 100	10.00 254	46.0 20.9				
3 80	×	3 80	×	1 ½ 40	5.13 130	6.9 3.1	10 250	×	10 250	×	5 125	10.00 254	48.0 21.8				
				2 50	5.13 130	7.1 3.2					6 150	10.00 254	50.0 22.7				
				1 25	5.88 149	10.9 4.9					10 250	×	10 250	×	4 100	11.50 292	74.0 33.6
				1 ½ 40	5.88 149	11.1 5.0					6 150	11.50 292	78.0 35.4				
4 100	×	4 100	×	2 50	5.88 149	11.3 5.1	12 300	×	12 300	×	8 200	11.50 292	86.0 39.0				
				2 ½ 65	5.88 149	11.6 5.3					6 150	13.50 343	112.0 50.8				
				3 80	5.88 149	11.9 5.4					8 200	13.50 343	118.0 53.5				
				1 25	5.88 149	11.9 5.4					10 250	13.50 343	130.0 59.0				
6 150	×	6 150	×	2 50	7.63 194	24.7 11.2											
				3 80	7.63 194	25.4 11.5											

# Plain End Fittings

## STYLE 99

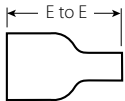
### DIMENSIONS Plain End Fittings



Fitting Size		No. 33P (sw) 90° Wye			No. 35P (sw) Cross		No. 61P Steel Bull Plug
Nominal Size Inches mm	Actual Out. Dia. Inches mm	C to LE Inches mm	C to SE Inches mm	Aprx. Weight Lbs kg	C to E Inches mm	Aprx. Weight Lbs kg	C to LE In./mm
1	1.315	3.25	2.25	1.1	3.25	1.7	3.00
25	33.7	83	57	0.5	83	0.8	76
1 ½	1.900	4.00	2.75	1.8	4.00	3.5	3.50
40	48.3	102	70	0.8	102	1.6	89
2	2.375	4.25	2.75	2.9	4.25	5.2	4.00
50	60.3	108	70	1.3	108	2.4	102
2 ½	2.875	4.75	3.00	9.0	4.75	5.4	5.00
65	73.0	121	76	4.1	121	2.4	127
3	3.500	5.13	3.25	8.5	5.13	8.5	6.00
80	88.9	130	83	3.9	130	3.9	152
3 ½	4.000	5.50	3.50	10.0	5.50	9.0	6.50
90	101.6	140	89	4.5	140	4.1	165
4	4.500	5.88	3.75	14.0	5.88	10.8	7.00
100	114.3	149	95	6.4	149	4.9	178
5	5.563	6.88	4.00	21.6	6.88	20.0	8.50
125	141.3	175	102	9.8	175	9.1	216
6	6.625	7.63	4.50	31.2	7.63	30.0	10.00
150	168.3	194	114	14.2	194	13.6	254
8	8.625	10.00	6.00	36.0	10.00	66.4	11.0
200	219.1	254	152	16.3	254	30.1	279
10	10.750	11.50	6.50	52.0	11.50	103.0	13.00
250	273.0	292	165	23.6	292	46.7	330
12	12.750	13.50	7.00	81.2	13.50	158.0	14.00
300	323.9	343	178	36.8	343	71.7	356

(sw) = Segmentally welded steel

### No.53P Swaged Nipple

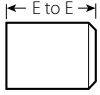


No.53P Swaged Nipple											
Size Nominal Inches mm	E to E Inches mm	Aprx. Weight Lbs kg	Size Nominal Inches mm	E to E Inches mm	Aprx. Weight Lbs kg	Size Nominal Inches mm	E to E Inches mm	Aprx. Weight Lbs kg			
1 ½ 40	1 25	4.50 114	1.2 0.6	4 100	2 50	9.00 229	7.5 3.4	6 150	4 100	12.00 305	17.0 7.7
2 50	1 25	6.50 165	2.0 0.9	4 100	2 ½ 65	9.00 229	7.5 3.4	6 150	5 125	12.00 305	17.0 7.7
	1 ½ 40	6.50 165	2.0 0.9		3 80	9.00 229	7.5 3.4		3 80	3 80	13.00 330
2 ½ 65	1 25	7.00 178	3.0 1.4	5 125	3 ½ 90	9.00 229	7.5 3.4	3 80	4 100	13.00 330	29.0 13.2
	1 ½ 40	7.00 178	3.0 1.4		5 125	2 50	11.00 279		11.5 5.2	5 125	5 125
3 80	2 50	7.00 178	7.1 3.2	6 150	3 80	11.00 279	11.5 5.2	10 250	6 150	13.00 330	48.0 21.8
	1 ½ 40	8.00 203	4.5 2.0		4 100	11.00 279	11.5 5.2		3 80	3 80	15.00 381
3 ½ 90	2 50	8.00 203	4.5 2.0	6 150	1 25	12.00 305	16.0 7.3	12 300	4 100	15.00 381	48.0 21.8
	2 ½ 65	8.00 203	4.5 2.0		1 ½ 40	12.00 305	16.0 7.3		6 150	6 150	15.00 381
4 100	2 ½ 65	8.00 203	4.5 2.0	6 150	2 50	12.00 305	17.0 7.7	12 300	8 200	15.00 381	48.0 21.8
	3 ½ 90	8.00 203	6.8 3.1		2 ½ 65	12.00 305	17.0 7.7		6 150	6 150	16.00 406
4 100	1 25	9.00 229	7.5 3.4	6 150	3 80	12.00 305	17.0 7.7	12 300	8 200	16.00 406	59.0 26.8
	1 ½ 40	9.00 229	7.5 3.4		3 ½ 90	12.00 305	17.0 7.7		10 250	10 250	16.00 406

# Plain End Fittings

## STYLE 99

### Adapter Nipples



No. 42P



No. 43P



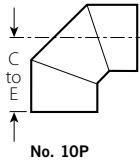
No. 40P

Fitting Size				Fitting Size			
Nominal Size Inches mm	Actual Out. Dia. Inches mm	E to E In./mm	Aprx. Weight Lbs kg	Nominal Size Inches mm	Actual Out. Dia. Inches mm	E to E In./mm	Aprx. Weight Lbs kg
1 25	1.315 33.7	3.00 76	0.9 0.4	3 80	3.500 88.9	4.00 102	2.5 1.1
1 ½ 2	1.900 48.3	4.00 102	0.9 0.4	4 100	4.500 114.3	6.00 152	5.4 2.5
2 50	2.375 60.3	4.00 102	1.2 0.5	6 150	6.625 168.3	6.00 152	9.4 4.3
2 ½ 65	2.875 73.0	4.00 102	1.9 0.9				

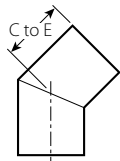
# Plain End Fittings

## STYLE 99

### DIMENSIONS Plain End Fittings



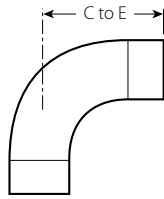
No. 10P



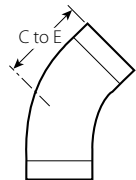
No. 11P

Fitting Size		90° Elbows		45° Elbows	
Nominal Size Inches mm	Actual Out. Dia. Inches mm	No. 10P Seg. Welded Steel		No. 11P Seg. Welded Steel	
		C to E Inches mm	Aprx. Weight Lbs kg	C to E Inches mm	Aprx. Weight Lbs kg
1 25	1.315 33.7	3.25 83	0.9 0.4	2.63 67	0.8 0.4
1 ½ 40	1.900 48.3	4.00 102	1.7 0.8	2.88 67	1.4 0.6
2 50	2.375 60.3	4.75 121	2.7 1.2	3.13 80	2.0 0.9
2 ½ 65	2.875 73.0	5.50 140	4.8 2.2	3.50 89	3.5 1.6
3 80	3.500 88.9	6.25 159	7.2 3.3	3.75 95	4.8 2.2
3 ½ 90	4.000 101.6	7.00 178	9.4 4.3	4.00 102	6.2 2.8
4 100	4.500 114.3	7.75 197	12.3 5.6	4.25 108	8.0 3.6
5 125	5.563 141.3	9.50 241	13.4 6.1	5.13 130	9.2 4.2
6 150	6.625 168.3	11.00 279	31.0 14.1	5.75 146	18.5 8.4
165.1 mm	6.500 165.1	-	-	-	-
8 200	8.625 219.1	10.00 254	38.7 17.6	6.00 152	24.9 11.3
10 250	10.750 273.0	11.50 292	52.1 23.6	6.50 159	32.8 14.9
12 300	12.750 323.9	13.50 343	76.7 34.8	7.00 178	47.5 21.6

### Long Radius Elbows



No. 100P



No. 110P

Fitting Size		No. 100P 90° Long Radius Elbow		No. 110P 45° Long Radius Elbow	
Nominal Size Inches mm	Actual Out. Dia. Inches mm	C to E Inches mm	Aprx. Weight Lbs kg	C to E Inches mm	Aprx. Weight Lbs kg
2 50	2.375 60.3	4.75 121	2.5 1.1	3.13 80	1.8 0.8
2 ½ 65	2.875 73.0	5.50 140	4.0 1.8	3.50 89	2.5 1.1
3 80	3.500 88.9	6.25 159	6.5 3.0	3.75 95	4.5 2.0
4 100	4.500 114.3	8.00 203	11.5 5.2	4.50 114	7.5 3.4
6 150	6.625 168.3	11.13 283	28.5 12.9	5.88 149	17.3 7.9
8 200	8.625 219.1	14.13 359	56.7 25.7	7.13 181	24.0 15.4
10 250	10.750 273.0	17.13 435	96.5 43.8	8.38 213	57.0 25.9
12 300	12.750 323.9	20.13 511	145.0 65.8	9.63 245	95.0 43.1

## Plain End Fittings

### STYLE 99

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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](http://www.victaulic.com).

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**WARRANTY**

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

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**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.

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For complete contact information, visit [www.victaulic.com](http://www.victaulic.com)

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