

Long Radius Steel Elbows – 3D, 5D and 6D

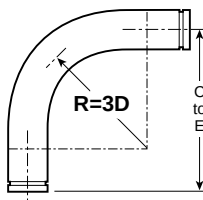
PRODUCT DESCRIPTION

Victaulic long radius elbows are formed from standard wall steel pipe to ASTM A-53 Grade B. Fittings are painted orange enamel with galvanized optionally available.

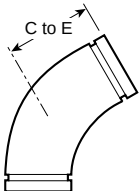
Elbows are supplied with standard cut grooves unless otherwise requested. They are also available with plain ends by request.

DIMENSIONS

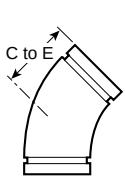
Long Radius Steel Elbows – 3D



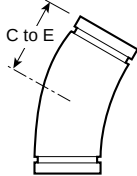
No. 10 - 3D



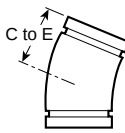
No. 14 - 3D



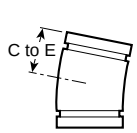
No. 11 - 3D



No. 15 - 3D



No. 12 - 3D



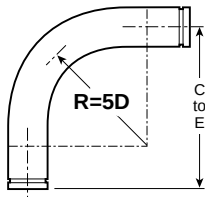
No. 13 - 3D

Fitting Size		No. 10 - 3D 90°		No. 14 - 3D 60°		No. 11 - 3D 45°		No. 15 - 3D 30°		No. 12 - 3D 22 1/2°		No. 13 - 3D 11 1/4°	
Nominal Outside Dia. In./mm	Actual Outside Dia. In./mm	C to E Inches mm	Aprx. Wgt. Ea. Lb./kg	C to E Inches mm	Aprx. Wgt. Ea. Lb./kg	C to E Inches mm	Aprx. Wgt. Ea. Lb./kg	C to E Inches mm	Aprx. Wgt. Ea. Lb./kg	C to E Inches mm	Aprx. Wgt. Ea. Lb./kg	C to E Inches mm	Aprx. Wgt. Ea. Lb./kg
2 50	2.375 60,3	10.00 254	5.3 2,4	7.50 191	4.3 2,0	6.50 165	3.9 1,8	5.75 146	3.4 1,5	5.25 133	3.2 1,5	4.50 114	2.8 1,3
2 1/2 65	2.875 73,0	11.50 292	9.5 4,3	8.25 210	7.7 3,5	7.25 184	6.7 3,0	6.00 152	5.8 2,6	5.50 140	5.3 2,4	4.75 121	4.6 2,1
3 80	3.500 88,9	13.00 330	14.0 6,4	9.25 235	11.0 5,0	7.75 197	9.5 4,3	6.50 165	8.0 3,6	5.75 146	7.3 3,3	5.00 127	6.2 2,8
3 1/2 90	4.000 101,6	14.50 368	18.6 8,4	10.00 254	14.4 6,5	8.50 216	12.3 5,6	6.75 172	10.2 4,6	6.00 152	9.2 4,2	5.00 127	7.6 3,4
4 100	4.500 114,3	16.00 407	24.1 10,9	11.00 279	18.5 8,4	9.00 229	15.7 7,1	7.25 184	12.8 5,8	6.50 165	11.4 5,2	5.25 133	9.3 4,2
4 1/2 120	5.000 127,0	18.00 457	31.6 14,3	12.25 311	24.2 11,0	10.00 254	20.5 9,3	8.25 210	16.8 7,6	7.25 184	14.9 6,8	5.75 146	12.2 5,5
5 125	5.563 141,3	20.00 508	40.9 18,6	13.75 349	31.3 14,2	11.25 286	26.5 12,0	9.00 229	21.8 9,9	8.00 203	19.4 8,8	6.50 165	15.8 7,2
6 150	6.625 168,3	24.00 610	63.7 28,9	16.50 419	48.8 22,1	13.50 343	41.3 18,7	10.75 273	33.9 15,4	9.50 241	30.1 13,7	7.75 197	24.6 11,2
8 200	8.625 219,1	32.00 813	127.8 58,0	22.00 559	97.9 44,4	18.00 457	82.9 37,6	14.50 368	68.0 30,8	12.75 324	60.5 27,4	10.50 267	49.3 22,4
10 250	10.750 273,0	40.00 1016	226.4 102,7	27.25 692	173.4 78,7	22.50 572	146.9 66,6	18.00 457	120.5 54,7	16.00 406	107.2 48,6	13.00 330	87.3 39,6
12 300	12.750 323,9	48.00 1219	332.7 150,9	32.75 832	254.8 115,6	27.00 686	215.9 97,9	21.75 553	177.0 80,3	19.25 489	157.5 71,4	15.50 394	128.3 58,2
14 350	14.000 355,6	56.00 1422	427.3 193,8	38.25 972	327.3 148,5	31.50 800	277.3 125,8	25.25 641	227.3 103,1	22.50 572	202.3 91,8	18.25 464	164.8 74,8
15 375	15.000 381,0	60.00 1524	480.8 218,1	41.00 1041	368.3 167,1	33.75 857	312.0 141,5	27.00 686	255.8 116,0	24.00 610	227.6 103,2	19.50 495	185.4 84,1
16 400	16.000 406,4	64.00 1626	560.1 254,1	43.75 1111	429.0 194,6	36.00 914	363.5 164,9	29.00 737	297.9 135,1	25.50 648	265.2 120,3	20.75 527	216.0 98,0
18 450	18.000 457,2	72.00 1829	710.7 322,4	49.25 1251	544.4 246,9	40.50 1029	461.3 209,2	32.50 826	378.1 171,5	28.75 730	336.5 152,6	23.25 591	274.1 124,3
20 500	20.000 508,0	80.00 2032	879.3 398,9	54.75 1391	673.5 305,5	45.00 1143	540.7 245,3	36.00 914	467.8 212,2	32.00 813	416.3 188,8	26.00 660	339.2 153,9
22 550	22.000 559,0	88.00 2235	1067.7 484,3	60.25 1530	817.9 371,0	49.25 1251	692.9 314,3	39.75 1010	568.0 257,6	35.25 895	505.2 229,2	28.50 724	411.8 186,8
24 600	24.000 609,6	96.00 2438	1270.3 576,2	65.50 1664	973.0 441,4	53.75 1365	824.4 373,9	43.25 1099	675.7 306,5	38.25 972	601.4 272,8	31.00 787	490.0 222,3

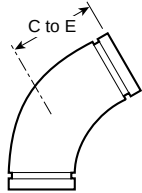
Refer to notes on page 3.

DIMENSIONS

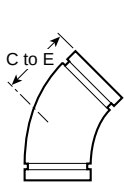
Long Radius Steel Elbows – 5D



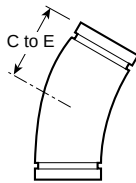
No. 10 - 5D



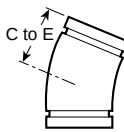
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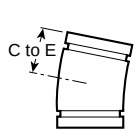
No. 11 - 5D



No. 15 - 5D



No. 12 - 5D



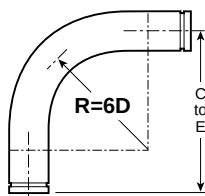
No. 13 - 5D

Fitting Size		No. 10 - 5D 90°		No. 14 - 5D 60°		No. 11 - 5D 45°		No. 15 - 5D 30°		No. 12 - 5D 22½°		No. 13 - 5D 11¼°	
Nominal Outside Dia. In./mm	Actual Outside Dia. In./mm	C to E Inches mm	Aprx. Wgt. Ea. Lb./kg	C to E Inches mm	Aprx. Wgt. Ea. Lb./kg	C to E Inches mm	Aprx. Wgt. Ea. Lb./kg	C to E Inches mm	Aprx. Wgt. Ea. Lb./kg	C to E Inches mm	Aprx. Wgt. Ea. Lb./kg	C to E Inches mm	Aprx. Wgt. Ea. Lb./kg
2 50	2.375 60,3	14.00 356	7.2 3,3	9.75 248	5.6 2,5	8.25 210	4.8 2,2	6.75 172	4.0 1,8	6.00 152	3.6 1,6	5.00 127	3.0 1,4
2½ 65	2.875 73,0	16.00 419	13.3 6,0	11.25 286	10.2 4,6	9.25 235	8.6 3,9	7.50 191	7.0 3,2	6.50 165	6.2 2,8	5.25 133	5.0 2,3
3 80	3.500 88,9	19.00 488	19.9 9,0	12.75 324	15.0 6,8	10.25 260	12.5 5,7	8.00 203	10.0 4,5	7.00 178	8.8 4,0	5.50 140	6.9 3,1
3½ 90	4.000 101,6	21.50 546	26.9 12,2	14.25 362	20.0 9,1	11.25 286	16.5 7,5	8.75 222	13.0 5,9	7.50 191	11.3 5,1	5.75 146	8.7 3,9
4 100	4.500 114,3	24.00 610	35.4 16,1	15.50 394	26.0 11,8	12.50 318	21.3 9,7	9.50 241	16.6 7,5	8.00 203	14.3 6,5	6.00 152	10.7 4,9
4½ 120	5.000 127,0	27.00 686	46.3 21,0	17.50 445	34.0 15,4	13.75 349	27.9 12,7	10.50 267	21.7 9,8	9.00 229	18.6 8,4	6.75 172	14.0 6,4
5 125	5.563 141,3	30.00 762	60.0 27,2	19.50 495	44.1 20,0	15.50 394	36.1 16,4	11.75 299	28.1 12,7	10.00 254	24.1 10,9	7.50 191	18.2 8,3
6 150	6.625 168,3	36.00 914	93.5 42,4	23.25 591	68.6 31,1	18.50 470	56.2 25,5	14.00 356	43.8 19,9	12.00 305	37.6 17,1	9.00 229	28.3 12,8
8 200	8.625 219,1	48.00 1219	187.6 85,1	31.00 787	137.7 62,5	24.50 622	112.8 51,2	18.75 476	87.9 39,9	16.00 406	75.4 34,2	12.00 305	56.8 25,8
10 250	10.750 273,0	60.00 1524	332.4 150,8	39.00 991	244.1 110,7	30.75 781	199.9 90,7	23.50 597	155.8 70,7	20.00 508	133.7 60,6	15.00 381	100.6 45,6
12 300	12.750 323,9	72.00 1829	488.4 221,5	46.75 1188	358.6 162,7	37.00 940	293.7 133,2	28.00 711	228.9 103,8	24.00 610	196.4 89,1	18.00 457	147.8 67,0
14 350	14.000 355,6	84.00 2134	627.4 284,6	54.50 1384	460.7 209,0	43.00 1092	377.3 171,1	32.75 832	294.0 133,4	28.00 711	252.3 114,4	21.00 533	189.8 86,1
15 375	15.000 381,0	90.00 2286	705.8 320,2	58.25 1498	518.3 235,1	46.00 1168	424.6 192,6	35.25 895	330.8 150,1	30.00 762	283.9 128,8	22.50 572	213.6 96,6
16 400	16.000 406,4	96.00 2438	822.2 372,9	62.25 1581	603.8 273,9	49.25 1251	494.5 224,3	37.50 953	385.3 174,8	32.00 813	330.7 150,0	24.00 610	248.8 112,9
18 450	18.000 457,2	108.00 2743	1043.4 473,3	70.00 1778	766.2 347,5	55.25 1403	627.6 284,7	42.25 1073	489.0 221,8	36.00 914	419.7 190,4	27.00 686	315.7 143,2
20 500	20.000 508,0	120.00 3048	1290.9 585,6	77.75 1975	947.9 430,0	61.50 1562	776.4 352,2	46.75 1188	605.0 274,4	40.00 1016	519.2 235,5	30.00 762	390.6 177,2
22 550	22.000 559,0	132.0 3353	1567.4 711,0	85.50 2172	1150.9 522,0	67.50 1715	942.7 427,6	51.50 1308	734.6 333,2	44.00 1118	630.5 286,0	32.75 832	474.3 215,1
24 600	24.000 609,6	144.00 3658	1864.8 845,9	93.25 2369	1369.3 621,1	73.75 1873	1121.6 508,8	56.25 1429	873.9 396,4	48.00 1219	750.1 340,2	35.75 908	564.3 256,0

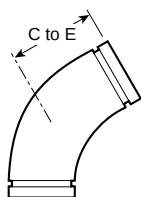
Refer to notes on page 3.

DIMENSIONS

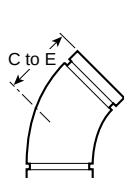
Long Radius Steel Elbows – 6D



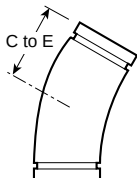
No. 10 - 6D



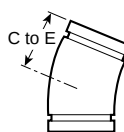
No. 14 - 6D



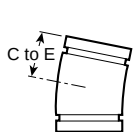
No. 11 - 6D



No. 15 - 6D



No. 12 - 6D



No. 13 - 6D

Fitting Size		No. 10 - 6D 90°		No. 14 - 6D 60°		No. 11 - 6D 45°		No. 15 - 6D 30°		No. 12 - 6D 22½°		No. 13 - 6D 11¼°	
Nominal Outside Dia. In./mm	Actual Outside Dia. In./mm	C to E Inches mm	Aprx. Wgt. Ea. Lb./kg	C to E Inches mm	Aprx. Wgt. Ea. Lb./kg	C to E Inches mm	Aprx. Wgt. Ea. Lb./kg	C to E Inches mm	Aprx. Wgt. Ea. Lb./kg	C to E Inches mm	Aprx. Wgt. Ea. Lb./kg	C to E Inches mm	Aprx. Wgt. Ea. Lb./kg
2 50	2.375 60,3	16.00 406	8.2 3,7	11.00 279	6.3 2,9	9.00 229	5.3 2,4	7.25 184	4.3 2,0	6.50 165	3.9 1,8	5.25 133	3.2 1,5
2½ 65	2.875 73,0	19.00 483	15.2 6,9	12.75 324	11.4 5,2	10.25 260	9.5 4,3	8.00 203	7.7 3,5	7.00 178	6.7 3,0	5.50 140	5.3 2,4
3 80	3.500 88,9	22.00 559	22.9 10,4	14.50 368	17.0 7,7	11.50 292	14.0 6,4	8.75 222	11.0 5,0	7.50 191	9.5 4,3	5.75 146	7.3 3,3
3½ 90	4.000 101,6	25.00 635	31.1 14,1	16.25 413	22.8 10,3	12.75 324	18.6 8,4	9.75 248	14.4 6,5	8.25 210	12.3 5,6	6.00 152	9.2 4,2
4 100	4.500 114,3	28.00 711	41.1 18,6	18.00 457	29.8 13,5	14.00 356	24.1 10,9	10.50 267	18.5 8,4	8.75 222	15.7 7,1	6.50 165	11.4 5,2
4½ 120	5.000 127,0	31.50 800	53.7 24,4	20.00 508	39.0 17,7	15.75 400	31.6 14,3	11.75 299	24.2 11,0	10.00 254	20.5 9,3	7.25 184	14.9 6,8
5 125	5.563 141,3	35.00 889	69.6 31,6	22.25 565	50.5 22,9	17.50 445	40.9 18,6	13.00 330	31.3 14,2	11.00 279	26.5 12,0	8.00 203	19.4 8,8
6 150	6.625 168,3	42.00 1067	108.4 49,2	26.75 680	78.6 35,7	21.00 533	63.7 28,9	15.75 400	48.8 22,1	13.25 337	41.3 18,7	9.50 241	30.1 13,7
8 200	8.625 219,1	56.00 1422	217.5 98,7	35.75 908	157.7 71,5	28.00 711	127.8 58,0	21.00 533	97.9 44,4	17.50 445	82.9 37,6	12.75 324	60.5 27,4
10 250	10.750 273,0	70.00 1778	385.4 174,8	44.75 1137	279.4 126,7	35.00 889	226.4 102,7	26.00 660	173.4 78,7	22.00 559	146.9 66,6	16.00 406	107.2 48,6
12 300	12.750 323,9	84.00 2134	566.2 256,8	53.50 1359	410.5 186,2	41.75 1061	332.7 150,9	31.25 794	254.8 115,6	26.25 667	215.9 97,9	19.00 483	157.5 71,4
14 350	14.000 355,6	98.00 2489	727.4 329,9	62.50 1588	527.3 239,2	48.75 1238	427.3 193,8	36.50 927	327.3 148,5	30.75 781	277.3 125,8	22.25 565	202.3 91,8
15 375	15.000 381,0	105.00 2667	818.4 371,2	67.00 1702	593.3 269,1	52.25 1327	480.2 217,8	39.25 997	386.3 167,1	33.00 838	312.0 141,5	24.00 609	227.6 103,2
16 400	16.000 406,4	112.00 2845	953.3 432,4	71.50 1816	691.1 313,5	55.75 1416	560.1 254,1	41.75 1061	429.0 194,6	35.25 895	363.5 164,9	25.50 648	265.2 120,3
18 450	18.000 457,2	126.00 3200	1209.7 548,7	80.50 2045	877.1 397,9	62.75 1594	710.7 322,4	47.00 1194	544.4 246,9	39.50 1003	461.3 209,2	28.75 730	336.5 152,6
20 500	20.000 508,0	140.00 3556	1496.6 678,9	89.25 2267	1085.1 492,2	69.75 1772	879.3 398,9	52.25 1327	673.5 305,5	44.00 1118	570.7 258,9	31.75 807	416.3 188,8
22 550	22.000 559,0	154.00 3912	1817.3 824,3	98.25 2496	1317.5 597,6	76.75 1950	1067.7 484,3	57.50 1461	817.9 371,0	48.25 1256	693.0 314,3	35.00 889	505.5 229,3
24 600	24.000 609,6	168.00 4267	2162.0 980,7	107.25 2724	1567.5 711,0	83.75 2127	1270.3 576,2	62.50 1588	973.0 441,4	52.75 1340	824.4 373,9	38.25 972	601.4 272,8

Refer to notes below.

NOTES

- Long radius elbows (3D, 5D and 6D) in sizes up to and including 4" are provided with 4" integral tangent; remaining sizes provided with integral tangents with lengths equal to nominal pipe size.
- Grooved or plain end available. Specify choice on order.
- Material: standard wall steel pipe to ASTM A-53 grade B (other materials available on request).
- Bends to conform to above radii.
- C to E tolerances: 2 - 6" $\pm \frac{1}{8}$ "; 8 - 16" $\pm \frac{1}{4}$ "; 18 - 24" $\pm \frac{3}{8}$ "
- All weights are approximate based on calculated weight of pipe.

This product shall be manufactured by Victaulic Company. All products shall 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.