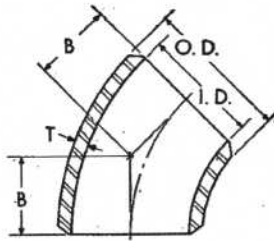


# 45° elbow



dimensions: All dimensions in inches and are in accordance with ASA B16.9 and MSS-SP-48 where established.

pressure-temperature rating: Identical with those of seamless pipe of same size, thickness, and material grade.

footnotes: \*Pipe schedule numbers in accordance with ASA B36.10.  
 ▲This size and thickness does not correspond with any schedule number.

nominal pipe size	outside diameter O. D.	inside diameter I. D.	wall thickness T	center to face B	pipe schedule number*	weight (approx) lb
<b>standard</b>						
1/2	.840	.622	.109	5/8	40	.1
3/4	1.050	.824	.113	7/8	40	.1
1	1.315	1.049	.133	7/8	40	.3
1 1/4	1.660	1.380	.140	1	40	.3
1 1/2	1.900	1.610	.145	1 1/8	40	.5
2	2.375	2.067	.154	1 3/8	40	.9
2 1/2	2.875	2.469	.203	1 3/4	40	1.6
3	3.500	3.068	.216	2	40	2.5
3 1/2	4.000	3.548	.226	2 1/4	40	3.3
4	4.500	4.026	.237	2 1/2	40	4.3
5	5.563	5.047	.258	3 1/8	40	8.3
6	6.625	6.065	.280	3 3/4	40	11.3
8	8.625	7.981	.322	5	40	22.8
10	10.750	10.020	.365	6 1/4	40	42.4
12	12.750	12.000	.375	7 1/2	▲	60.3
14	14.000	13.250	.375	8 3/4	30	80
16	16.000	15.250	.375	10	30	104
18	18.000	17.250	.375	11 1/4	▲	132
20	20.000	19.250	.375	12 1/2	20	160
22	22.000	21.250	.375	13 1/2	▲	192
24	24.000	23.250	.375	15	20	252
26	26.000	25.250	.375	16	▲	269
28	28.000	27.250	.375	17 1/4	▲	312
30	30.000	29.250	.375	18 1/2	▲	358
32	32.000	31.250	.375	19 3/4	▲	408
34	34.000	33.250	.375	21	▲	463
36	36.000	35.250	.375	22 1/4	▲	518
42	42.000	41.250	.375	26	▲	707

# 45° elbow

nominal pipe size	outside diameter O. D.	inside diameter I. D.	wall thickness T	center to face B	pipe schedule number*	weight (approx) lb
<b>extra strong</b>						
1/2	.840	.546	.147	3/8	80	.1
3/4	1.050	.742	.154	7/16	80	.1
1	1.315	.957	.179	1/2	80	.3
1 1/4	1.660	1.278	.191	1	80	.5
1 1/2	1.900	1.500	.200	1 1/8	80	.7
2	2.375	1.939	.218	1 3/8	80	1.1
2 1/2	2.875	2.323	.276	1 3/4	80	2.1
3	3.500	2.900	.300	2	80	3.3
3 1/2	4.000	3.364	.318	2 1/4	80	4.4
4	4.500	3.826	.337	2 1/2	80	5.8
5	5.563	4.813	.375	3 1/8	80	10.5
6	6.625	5.761	.432	3 3/4	80	16.4
8	8.625	7.625	.500	5	80	32.8
10	10.750	9.750	.500	6 1/4	60	53.8
12	12.750	11.750	.500	7 1/2	▲	78.0
14	14.000	13.000	.500	8 3/4	▲	98
16	16.000	15.000	.500	10	40	136
18	18.000	17.000	.500	11 1/4	▲	158
20	20.000	19.000	.500	12 1/2	30	228
22	22.000	21.000	.500	13 1/2	▲	253
24	24.000	23.000	.500	15	▲	292
26	26.000	25.000	.500	16	▲	355
28	28.000	27.000	.500	17 1/4	▲	413
30	30.000	29.000	.500	18 1/2	20	475
32	32.000	31.000	.500	19 3/4	▲	541
34	34.000	33.000	.500	21	▲	615
36	36.000	35.000	.500	22 1/4	▲	686
42	42.000	41.000	.500	26	▲	937

## schedule 160

1	1.315	.815	.250	7/8	160	.4
1 1/4	1.660	1.160	.250	1	160	.6
1 1/2	1.900	1.338	.281	1 1/8	160	.8
2	2.375	1.689	.343	1 3/8	160	1.6
2 1/2	2.875	2.125	.375	1 3/4	160	3.0
3	3.500	2.626	.438	2	160	4.5
4	4.500	3.438	.531	2 1/2	160	8.5
5	5.563	4.313	.625	3 1/8	160	14
6	6.625	5.189	.718	3 3/4	160	25
8	8.625	6.813	.906	5	160	56
10	10.750	8.500	1.125	6 1/4	160	109
12	12.750	10.126	1.312	7 1/2	160	182

## double extra strong

3/4	1.050	.434	.308	7/16	▲	.2
1	1.315	.599	.358	7/8	▲	.5
1 1/4	1.660	.896	.382	1	▲	.7
1 1/2	1.900	1.100	.400	1 1/8	▲	1.0
2	2.375	1.503	.436	1 3/8	▲	2.0
2 1/2	2.875	1.771	.552	1 3/4	▲	3.5
3	3.500	2.300	.600	2	▲	5.5
3 1/2	4.000	2.728	.636	2 1/4	▲	8
4	4.500	3.152	.674	2 1/2	▲	10
5	5.563	4.063	.750	3 1/8	▲	18
6	6.625	4.897	.864	3 3/4	▲	30
8	8.625	6.875	.875	5	▲	56