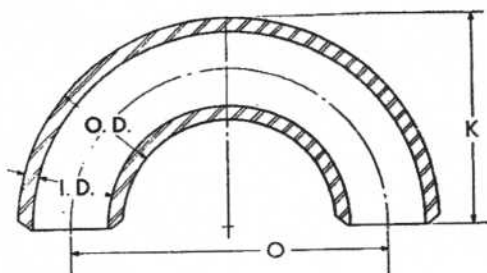


180° return long radius



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 center O	back to face K	pipe schedule number*	weight (approx) lb
standard							
1/2	.840	.622	.109	3	1 7/8	40	.4
3/4	1.050	.824	.113	2 1/4	1 11/16	40	.4
1	1.315	1.049	.133	3	2 1/8	40	.7
1 1/4	1.660	1.380	.140	3 3/4	2 3/4	40	1.3
1 1/2	1.900	1.610	.145	4 1/2	3 1/4	40	1.8
2	2.375	2.067	.154	6	4 3/8	40	3.1
2 1/2	2.875	2.469	.203	7 1/2	5 3/8	40	5.7
3	3.500	3.068	.216	9	6 1/4	40	9.5
3 1/2	4.000	3.548	.226	10 1/2	7 1/4	40	12.5
4	4.500	4.026	.237	12	8 1/4	40	17.1
5	5.563	5.047	.258	15	10 5/8	40	29.6
6	6.625	6.065	.280	18	12 3/8	40	58.0
8	8.625	7.981	.322	24	16 5/8	40	96
10	10.750	10.020	.365	30	20 3/8	40	178
12	12.750	12.000	.375	36	24 3/8	▲	238
14	14.000	13.250	.375	42	28	30	320
16	16.000	15.250	.375	48	32	30	402
18	18.000	17.250	.375	54	36	▲	568
20	20.000	19.250	.375	60	40	20	636
22	22.000	21.250	.375	66	44	▲	771
24	24.000	23.250	.375	72	48	20	920
26	26.000	25.250	.375	78	52	▲	1081
30	30.000	29.250	.375	90	60	▲	1441

180° return

long radius

nominal pipe size	outside diameter O. D.	inside diameter I. D.	wall thickness T	center to center O	back to face K	pipe schedule number*	weight (approx) lb
extra strong							
½	.840	.546	.147	3	1⅛	80	.5
¾	1.050	.742	.154	2¼	1⅛	80	.5
1	1.315	.957	.179	3	2⅜	80	.9
1¼	1.660	1.278	.191	3¾	2¾	80	1.5
1½	1.900	1.500	.200	4½	3¼	80	2.4
2	2.375	1.939	.218	6	4⅜	80	4.2
2½	2.875	2.323	.276	7½	5⅜	80	7.9
3	3.500	2.900	.300	9	6¼	80	13.1
3½	4.000	3.364	.318	10½	7¼	80	17.6
4	4.500	3.826	.337	12	8¼	80	25.1
5	5.563	4.813	.375	15	10⅝	80	41.8
6	6.625	5.761	.432	18	12⅝	80	70
8	8.625	7.625	.500	24	16⅝	80	134
10	10.750	9.750	.500	30	20⅝	60	222
12	12.750	11.750	.500	36	24⅝	▲	330
14	14.000	13.000	.500	42	28	▲	390
16	16.000	15.000	.500	48	32	40	532
18	18.000	17.000	.500	54	36	▲	653
20	20.000	19.000	.500	60	40	30	808
22	22.000	21.000	.500	66	44	▲	1020
24	24.000	23.000	.500	72	48	▲	1220
26	26.000	25.000	.500	78	52	▲	1430
30	30.000	29.000	.500	90	60	20	1910

schedule 160

1	1.315	.815	.250	3	2⅜	160	1.2
1¼	1.660	1.160	.250	3¾	2¾	160	2.0
1½	1.900	1.338	.281	4½	3¼	160	3.0
2	2.375	1.689	.343	6	4⅜	160	7.0
2½	2.875	2.125	.375	7½	5⅜	160	10.5
3	3.500	2.626	.438	9	6¼	160	17.5
4	4.500	3.438	.531	12	8¼	160	38
5	5.563	4.313	.625	15	10⅝	160	66
6	6.625	5.189	.718	18	12⅝	160	109
8	8.625	6.813	.906	24	16⅝	160	237
10	10.750	8.500	1.125	30	20⅝	160	460
12	12.750	10.126	1.312	36	24⅝	160	762

double extra strong

2	2.375	1.503	.436	6	4⅜	▲	6.0
2½	2.875	1.771	.552	7½	5⅜	▲	13.5
3	3.500	2.300	.600	9	6¼	▲	22.0
3½	4.000	2.728	.636	10½	7¼	▲	32
4	4.500	3.152	.674	12	8¼	▲	43
5	5.563	4.063	.750	15	10⅝	▲	77
6	6.625	4.897	.864	18	12⅝	▲	125
8	8.625	6.875	.875	24	16⅝	▲	237