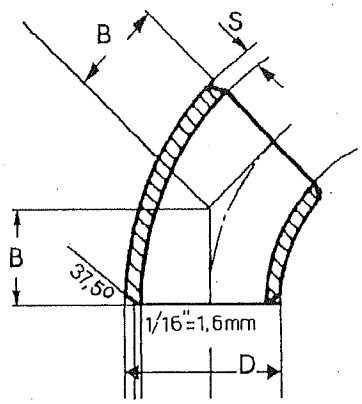
45° Elbows long radius — ANSI B16.9



nominal pipe size	outside diameter D	wall thickness S STD	wall thickness S XS	center to end B	weight kg STD	weight kg XS
1/2"	21.34	2.77	3.73	16	0.041	0.050
3/4"	26.67	2.87	3.91	19	0.041	0.050
1"	33.50	3.38	4.55	22	0.109	0.136
1 1/4"	42.16	3.56	4.85	25	0.168	0.218
1 1/2"	48.26	3.68	5.08	29	0.227	0.295
2"	60.40	3.91	5.54	35	0.372	0.494
2 1/2"	73.03	5.16	7.01	44	0.744	0.953
3"	88.90	5.49	7.62	51	1.10	1.47
3 1/2"	101.60	5.74	8.08	57	1.49	2.01
4"	114.30	6.02	8.56	64	1.95	2.66
5"	141.30	6.55	9.53	79	3.31	4.63
6"	168.28	7.11	10.97	95	5.13	7.57
8"	219.08	8.18	12.70	127	10.3	15.40

nominal pipe size	outside diameter D	wall thickness S STD	wall thickness S XS	center to end B	weight kg STD	weight kg XS
10"	273.0	9.27	12.70	159	18.3	24.4
12"	323.8	9.53	12.70	190	27.0	35.5
14"	355.6	9.53	12.70	222	34.7	45.4
16"	406.4	9.53	12.70	254	45.4	59.9
18"	457.2	9.53	12.70	286	58.1	76.2
20"	508.0	9.53	12.70	318	71.7	94.3
22"	558.8	9.53	12.70	343	87.1	114.8
24"	609.6	9.53	12.70	381	103.9	137.0
26"	660.4	9.53	12.70	406	122.0	161.0
30"	762.0	9.53	12.70	438	168.4	215.5
34"	863.6	9.53	12.70	533	210.0	279.0
36"	914.4	9.53	12.70	565	235.0	311.2
42"	1066.8	9.53	12.70	660	320.7	425.0