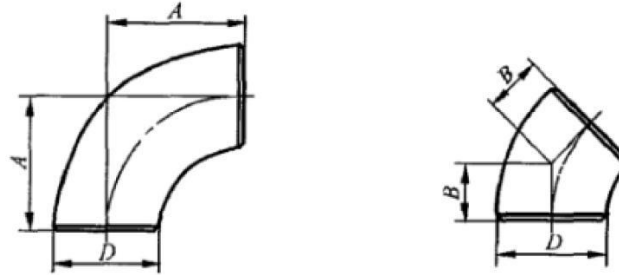
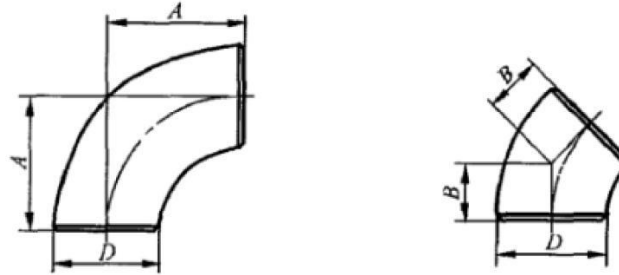


45° / 90° Elbow Long & Short Radius



Nominal Pipe Size (NPS)	Outside Diameter At Bevel D (mm)	Center to End(mm)		
		Long Radius Elbow		Short Radius Elbow
		90°(A)	45°(B)	90°(A)
1/2	21.3	38.1	15.7	-
3/4	26.7	38.1	19.1	-
1	33.4	38.1	22.4	25.4
1-1/4	42.2	47.8	25.4	31.8
1-1/2	48.3	57.2	28.4	38.1
2	60.3	76.2	35.1	50.8
2-1/2	73	95.2	44.4	63.5
3	88.9	114.3	50.8	76.2
3-1/2	101.6	133.4	57.2	88.9
4	114.3	152.4	63.5	101.6
5	141.3	190.5	79.2	127
6	168.3	228.6	95.2	152.4
8	219.1	304.8	127	203.2
10	273.1	381	158.8	254
12	323.9	457.2	190.5	304.8
14	355.6	533.4	222.2	355.6
16	406.4	609.6	254	406.4
18	457.2	685.8	285.8	457.2
20	508	762	317.5	508
22	558.8	838.2	342.9	558.8
24	609.6	914.4	381	609.6
26	660.4	990.6	406.4	660.4
28	711.2	1066.8	438.2	711.2
30	762	1143	469.9	762
32	812.8	1219.2	501.6	812.8

45° / 90° Elbow Long & Short Radius



Nominal Pipe Size (NPS)	Outside Diameter At Bevel D (mm)	Center to End(mm)		
		Long Radius Elbow		Short Radius Elbow
		90°(A)	45°(B)	90°(A)
34	863.6	1295.4	533.4	863.6
36	914.4	1371.6	565.2	914.4
38	965.2	1447.8	599.9	-
40	1016	1524	632	1016
42	1066.8	1600.2	660.4	1066.8
44	1117.6	1676.4	695.5	1117.6
46	1168.4	1752.6	726.9	-
48	1219.2	1828.8	759	1219.2
52	1320.8	-	-	1320.8
54	1371.6	2057.4	852.2	1371.6
56	1422.4	2133.6	883.8	1422.4
60	1524	2286	946.9	1524
66	1676.4	2514.6	1041.6	-
68	1727	2591	1073	1727
72	1829	2743	1137	1829
76	1930	2896	1199	1930
80	2032	3048	1263	2032