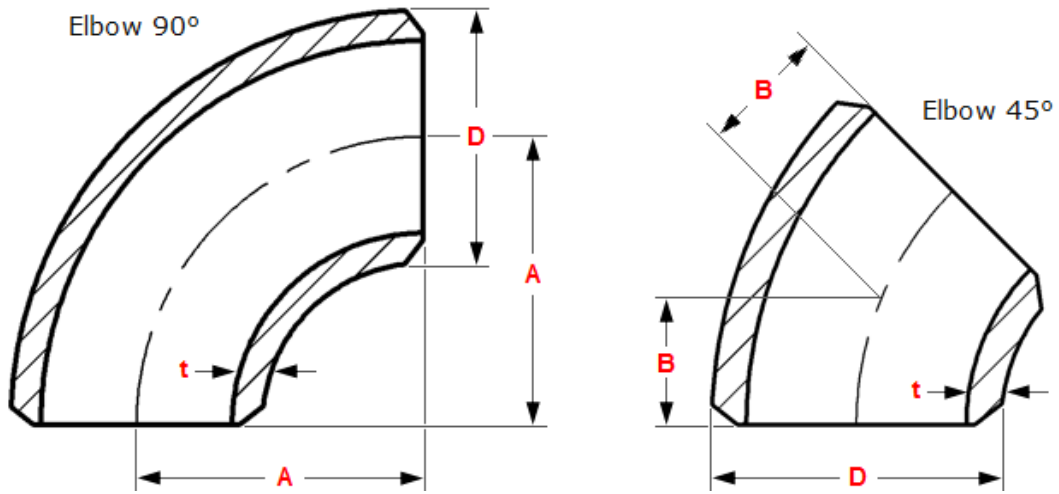


Dimensions of 3D Elbows



NPS	OD, D	Center to End	
		90 deg Elbows, A	45 deg Elbows, B
3/4	26.7	57	24
1	33.4	76	31
1 ¼	42.2	95	39
1 ½	48.3	114	47
2	60.3	152	63
2 ½	73	190	79
3	88.9	229	95
3 ½	101.6	267	111
4	114.3	305	127
5	141.3	381	157
6	168.3	457	189
8	219.1	610	252
10	273	762	316
12	323.8	914	378
14	355.6	1067	441
16	406.4	1219	505
18	457	1372	568
20	508	1524	632
22	559	1676	694
24	610	1829	757
26	660	1981	821
28	711	2134	883
30	762	2286	964
32	813	2438	1010
34	864	2591	1073
36	914	2743	1135
38	965	2896	1200
40	1016	3048	1264
42	1067	3200	1326
44	1118	3353	1389
46	1168	3505	1453
48	1219	3658	1516