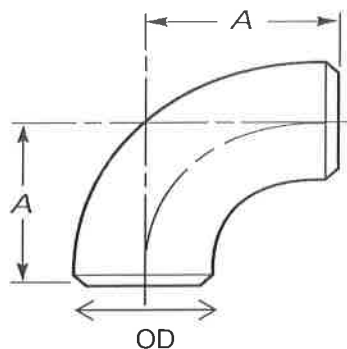


Short Radius Elbows

ASME/ASTM SA/A403-WP304/304L, WP316/316L

ASME B16.9

90° Elbow



Size	Outside Diameter at Bevel (OD)	Center-to-End 90° (A)	Approximate Weight(kg)				
			90° (Elbows)				
			10S	STD	40S/40	XS	80S/80
1 "	33.40	25.00	0.10	0.18	0.18	0.12	0.12
1 ¼"	42.20	32.00	0.17	0.21	0.21	0.22	0.22
1 ½"	48.30	38.00	0.22	0.29	0.29	0.32	0.32
2"	60.30	51.00	0.31	0.51	0.51	0.59	0.59
2 ½"	73.00	64.00	0.52	1.02	1.02	1.13	1.13
3"	88.90	76.00	0.77	1.50	1.50	1.82	1.82
3 ½"	101.60	89.00	1.38	2.06	2.06	2.61	2.61
4"	114.30	102.00	1.72	3.12	3.12	3.56	3.56
5"	141.30	127.00	2.78	5.28	5.28	6.20	6.20
6"	168.30	152.00	4.15	7.94	7.94	10.26	10.26
8"	219.10	203.00	8.00	17.06	17.06	20.84	20.84
10"	273.10	254.00	15.88	31.15	31.15	32.94	40.00
12"	323.90	305.00	18.14	40.00	45.00	49.03	66.28
14"	355.60	356.00	23.59	52.50	55.39	63.11	93.07
16"	406.40	406.00	30.84	71.25	82.63	82.63	136.20
18"	457.20	457.00	39.01	90.00	117.59	104.87	191.60
20"	508.00	508.00	64.86	110.00	153.45	129.54	260.14
22"	558.80	559.00	76.38	132.00	-	157.00	350.50
24"	609.60	610.00	91.63	165.00	256.00	188.41	443.55

General Notes:

1) All dimensions are in mm

2) Dimension tolerance are as per ASME B16.9