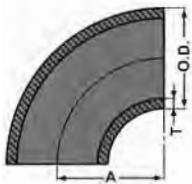
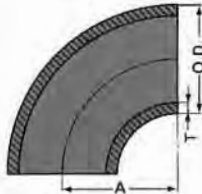


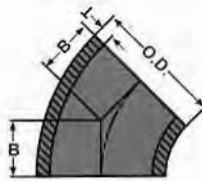
**90° ELBOW  
LONG RADIUS**



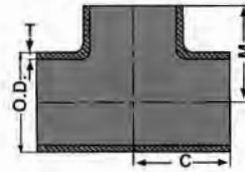
**90° ELBOW  
SHORT RADIUS**



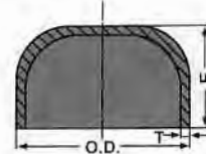
**45° ELBOW  
LONG RADIUS**



**TEE**



**CAP**



DIMENSION ANSI B16.9 (S/R ANSI B16.28)

UNIT: INCH/mm

NOMINAL PIPE SIZE	OUTSIDE DIAMETER	WALL THICKNESS SCHEDULE				ELBOW			TEE	CAP	NOMINAL PIPE SIZE
						90°		45°			
		INCH	O.D.	T				L/R	S/R	L/R	C, M
1/2	0.840 21.30			0.065 1.65	0.083 2.11	0.109 2.77	0.147 3.73	1.50 38.1	— —	0.62 16	1.00 25.4
3/4	1.050 26.70	0.065 1.65	0.083 2.11	0.113 2.87	0.154 3.91	1.12 28.5	— —	0.44 11	1.125 28.6	1.00 25.4	3/4
1	1.315 33.40	0.065 1.65	0.109 2.77	0.133 3.38	0.179 4.55	1.50 38.1	1.00 25.4	0.88 22	1.50 38.1	1.50 38.0	1
1 1/4	1.660 42.2	0.065 1.65	0.109 2.77	0.140 3.56	0.191 4.85	1.88 47.5	1.25 32	1.00 25	1.88 47.6	1.50 38	1 1/4
1 1/2	1.90 48.3	0.065 1.65	0.109 2.77	0.145 3.68	0.200 5.08	2.25 57.0	1.50 38	1.12 29	2.25 57.2	1.50 38	1 1/2
2	2.375 60.3	0.065 1.65	0.109 2.77	0.154 3.91	0.218 5.54	3.00 76.0	2.00 51	1.38 35	2.50 63.5	1.50 38	2
2 1/2	2.875 73.0	0.083 2.11	0.120 3.05	0.203 5.16	0.276 7.01	3.75 95.0	2.50 63.5	1.75 45	3.00 76.2	1.50 38	2 1/2
3	3.50 88.9	0.083 2.11	0.120 3.05	0.216 5.49	0.300 7.62	4.50 114.5	3.00 76	2.00 51	3.38 85.7	2.00 51	3
3 1/2	4.00 101.6	0.083 2.11	0.120 3.05	0.226 5.74	0.318 8.08	5.25 133.5	3.50 89	2.25 57	3.75 95.3	2.50 64	3 1/2
4	4.50 114.3	0.083 2.11	0.120 3.05	0.237 6.02	0.337 8.56	6.00 152.5	4.00 101.5	2.50 64	4.12 104.8	2.50 64	4
5	5.563 141.3	0.109 2.77	0.134 3.40	0.258 6.55	0.375 9.52	7.50 190.5	5.00 127	3.12 79	4.88 123.8	3.00 76	5
6	6.625 168.3	0.109 2.77	0.134 3.40	0.280 7.11	0.432 10.97	9.00 228.5	6.00 152.5	3.75 95	5.62 142.9	3.50 89	6
8	8.625 219.1	0.109 2.77	0.148 3.76	0.322 8.18	0.50 12.70	12.00 305	8.00 203	5.00 127	7.00 177.8	4.00 102	8
10	10.75 273	0.134 3.40	0.165 4.19	0.365 9.27	0.500 12.70	15.00 381	10.00 254	6.25 159	8.50 215.9	5.00 127	10
12	12.75 323.9	0.156 3.96	0.180 4.57	0.375 9.52	0.500 12.70	18.00 457	12.00 305	7.50 191	10.00 254	6.00 152	12