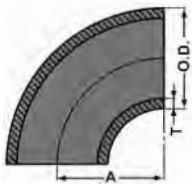
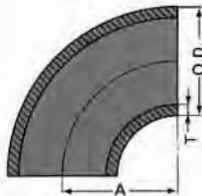


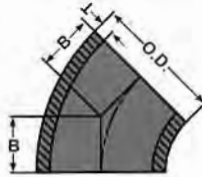
**90° ELBOW
LONG RADIUS**



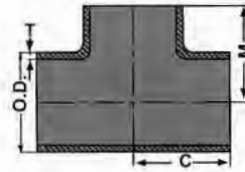
**90° ELBOW
SHORT RADIUS**



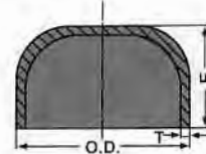
**45° ELBOW
LONG RADIUS**



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
5S	10S			40S	80S	A	A	B			
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	1.00 25.4	1/2
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 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	
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	
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	
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	