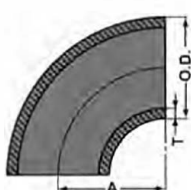
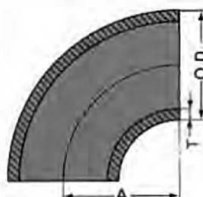


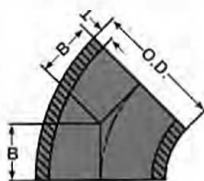
**90° ELBOW
LONG RADIUS**



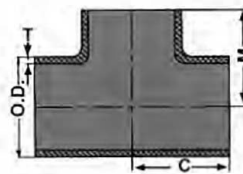
**90° ELBOW
SHORT RADIUS**



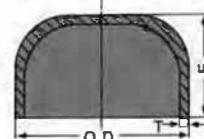
**45° ELBOW
LONG RADIUS**



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°			
		T				L/R	S/R	L/R			
INCH	O.D.	5S	10S	40S	80S	A	A	B	C, M	E	INCH
1/2	0.840	0.065	0.083	0.109	0.147	1.50	—	0.62	1.00	1.00	1/2
	21.30	1.65	2.11	2.77	3.73	38.1	—	16	25.4	25.4	
3/4	1.050	0.065	0.083	0.113	0.154	1.12	—	0.75	1.125	1.00	3/4
	26.70	1.65	2.11	2.87	3.91	28.5	—	11	28.6	25.4	
1	1.315	0.065	0.109	0.133	0.179	1.50	1.00	0.88	1.50	1.50	1
	33.40	1.65	2.77	3.38	4.55	38.1	25.4	22	38.1	38.0	
1 1/4	1.660	0.065	0.109	0.140	0.191	1.88	1.25	1.00	1.88	1.50	1 1/4
	42.2	1.65	2.77	3.56	4.85	47.5	32	25	47.6	38	
1 1/2	1.90	0.065	0.109	0.145	0.200	2.25	1.50	1.12	2.25	1.50	1 1/2
	48.3	1.65	2.77	3.68	5.08	57.0	38	29	57.2	38	
2	2.375	0.065	0.109	0.154	0.218	3.00	2.00	1.38	2.50	1.50	2
	60.3	1.65	2.77	3.91	5.54	76.0	51	35	63.5	38	
2 1/2	2.875	0.083	0.120	0.203	0.276	3.75	2.50	1.75	3.00	1.50	2 1/2
	73.0	2.11	3.05	5.16	7.01	95.0	63.5	45	76.2	38	
3	3.50	0.083	0.120	0.216	0.300	4.50	3.00	2.00	3.38	2.00	3
	88.9	2.11	3.05	5.49	7.62	114.5	76	51	85.7	51	
3 1/2	4.00	0.083	0.120	0.226	0.318	5.25	3.50	2.25	3.75	2.50	3 1/2
	101.6	2.11	3.05	5.74	8.08	133.5	89	57	95.3	64	
4	4.50	0.083	0.120	0.237	0.337	6.00	4.00	2.50	4.12	2.50	4
	114.3	2.11	3.05	6.02	8.56	152.5	101.5	64	104.8	64	
5	5.563	0.109	0.134	0.258	0.375	7.50	5.00	3.12	4.88	3.00	5
	141.3	2.77	3.40	6.55	9.52	190.5	127	79	123.8	76	
6	6.625	0.109	0.134	0.280	0.432	9.00	6.00	3.75	5.62	3.50	6
	168.3	2.77	3.40	7.11	10.97	228.5	152.5	95	142.9	89	
8	8.625	0.109	0.148	0.322	0.50	12.00	8.00	5.00	7.00	4.00	8
	219.1	2.77	3.76	8.18	12.70	305	203	127	177.8	102	
10	10.75	0.134	0.165	0.365	0.500	15.00	10.00	6.25	8.50	5.00	10
	273	3.40	4.19	9.27	12.70	381	254	159	215.9	127	
12	12.75	0.156	0.180	0.375	0.500	18.00	12.00	7.50	10.00	6.00	12
	323.9	3.96	4.57	9.52	12.70	457	305	191	254	152	