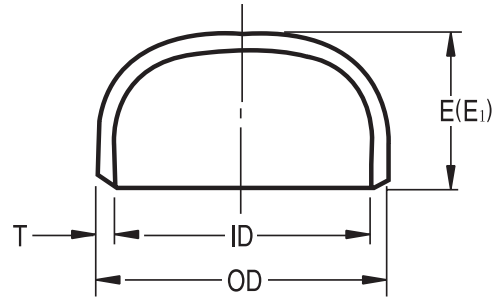


STD, Sch40, X-S, Sch80, Sch160, XX-S



ASME B16.9

Dimensions are in millimeters.

Nominal Pipe Size	Outside Diameter O.D	Length E	Limiting Wall Thickness for Length E	Length E1	STD		Sch40		X-S		Sch80		Sch160		XX-S		Nominal Pipe Size
					T	I.D	T	I.D	T	I.D	T	I.D	T	I.D	T	I.D	
1/2	21.3	25	4.57	25	2.77	15.8	2.77	15.8	3.73	13.8	3.73	13.8	4.78	11.7	7.47	6.4	1/2
3/4	26.7	25	3.81	25	2.87	21.0	2.87	21.0	3.91	18.9	3.91	18.9	5.56	15.6	7.82	11.1	3/4
1	33.4	38	4.57	38	3.38	26.6	3.38	26.6	4.55	24.3	4.55	24.3	6.35	20.7	9.09	15.2	1
1-1/4	42.2	38	4.83	38	3.56	35.1	3.56	35.1	4.85	32.5	4.85	32.5	6.35	29.5	9.70	22.8	1-1/4
1-1/2	48.3	38	5.08	38	3.68	40.9	3.68	40.9	5.08	38.1	5.08	38.1	7.14	34.0	10.15	28.0	1-1/2
2	60.3	38	5.59	44	3.91	52.5	3.91	52.5	5.54	49.2	5.54	49.2	8.74	42.8	11.07	38.2	2
2-1/2	73.0	38	7.11	51	5.16	62.7	5.16	62.7	7.01	59.0	7.01	59.0	9.53	53.9	14.02	45.0	2-1/2
3	88.9	51	7.62	64	5.49	77.9	5.49	77.9	7.62	73.7	7.62	73.7	11.13	66.6	15.24	58.4	3
3-1/2	101.6	64	8.13	76	5.74	90.1	5.74	90.1	8.08	85.4	8.08	85.4					3-1/2
4	114.3	64	8.64	76	6.02	102.3	6.02	102.3	8.56	97.2	8.56	97.2	13.49	87.3	17.12	80.1	4
5	141.3	76	9.65	89	6.55	128.2	6.55	128.2	9.53	122.2	9.53	122.2	15.88	109.5	19.05	103.2	5
6	168.3	89	10.92	102	7.11	154.1	7.11	154.1	10.97	146.4	10.97	146.4	18.26	131.8	21.95	124.4	6
8	219.1	102	12.70	127	8.18	202.7	8.18	202.7	12.70	193.7	12.70	193.7	23.01	173.1	22.23	174.6	8
10	273.0	127	12.70	152	9.27	254.5	9.27	254.5	12.70	247.6	15.09	242.8	28.58	215.8	25.40	222.2	10
12	323.8	152	12.70	178	9.53	304.7	10.31	303.2	12.70	298.4	17.48	288.8	33.32	257.2	25.40	273.0	12
14	355.6	165	12.70	191	9.53	336.5	11.13	333.3	12.70	330.2	19.05	317.5	35.71	284.2			14
16	406.4	178	12.70	203	9.53	387.3	12.70	381.0	12.70	381.0	21.44	363.5	40.49	325.4			16
18	457.0	203	12.70	229	9.53	437.9	14.27	428.5	12.70	431.6	23.83	409.3	45.24	366.5			18
20	508.0	229	12.70	254	9.53	488.9	15.09	477.8	12.70	482.6	26.19	455.6	50.01	408.0			20
22	559.0	254	12.70	254	9.53	539.9			12.70	533.6	28.58	501.8	53.98	451.0			22
24	610.0	267	12.70	305	9.53	590.9	17.48	575.0	12.70	584.6	30.96	548.1	59.54	490.9			24
26	660.0	267			9.53	640.9			12.70	634.6							26
28	711.0	267			9.53	691.9			12.70	685.6							28
30	762.0	267			9.53	742.9			12.70	736.6							30
32	813.0	267			9.53	793.9	17.48	778.0	12.70	787.6							32
34	864.0	267			9.53	844.9	17.48	829.0	12.70	838.6							34
36	914.0	267			9.53	894.9	19.05	875.9	12.70	888.6							36
38	965.0	305			9.53	945.9			12.70	939.6							38
40	1016.0	305			9.53	996.9			12.70	990.6							40
42	1067.0	305			9.53	1047.9			12.70	1041.6							42
44	1118.0	343			9.53	1098.9			12.70	1092.6							44
46	1168.0	343			9.53	1148.9			12.70	1142.6							46
48	1219.0	343			9.53	1199.9			12.70	1193.6							48

Wall Thickness Conform to ASME B 36.10M Specifications