

Wall Thickness Schedules (ASME)

Carbon Steel

ASME B36.10 ASME B36.19

Nominal pipe Size (NPS)		Outside Diameter		Nominal Wall Thickness									
				Sch10		Sch20		Sch30		STD		Sch40	
A	B	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
8	1/4	13.7	0.540	1.65	0.065	-	-	1.85	0.073	2.24	0.088	2.24	0.088
10	3/8	17.1	0.675	1.65	0.065	-	-	1.85	0.073	2.31	0.091	2.31	0.091
15	1/2	21.3	0.840	2.11	0.083	-	-	2.41	0.095	2.77	0.109	2.77	0.109
20	3/4	26.7	1.05	2.11	0.083	-	-	2.41	0.095	2.87	0.113	2.87	0.113
25	1	33.4	1.32	2.77	0.109	-	-	2.90	0.114	3.38	0.133	3.38	0.133
32	1 1/4	42.2	1.66	2.77	0.109	-	-	2.97	0.117	3.56	0.140	3.56	0.140
40	1 1/2	48.3	1.9	2.77	0.109	-	-	3.18	0.125	3.68	0.145	3.68	0.145
50	2	60.3	2.38	2.77	0.109	-	-	3.18	0.125	3.91	0.154	3.91	0.154
65	2 1/2	73.0	2.88	3.05	0.120	-	-	4.78	0.188	5.16	0.203	5.16	0.203
80	3	88.9	3.5	3.05	0.120	-	-	4.78	0.188	5.49	0.216	5.49	0.216
90	3 1/2	101.6	4	3.05	0.120	-	-	4.78	0.188	5.74	0.226	5.74	0.226
100	4	114.3	4.5	3.05	0.120	-	-	4.78	0.188	6.02	0.237	6.02	0.237
125	5	141.3	5.56	3.40	0.134	-	-	-	-	6.55	0.258	6.55	0.258
150	6	168.3	6.62	3.40	0.134	-	-	-	-	7.11	0.280	7.11	0.280
200	8	219.1	8.62	3.76	0.148	6.35	0.250	7.04	0.277	8.18	0.322	8.18	0.322
250	10	273.0	10.75	4.19	0.165	6.35	0.250	7.80	0.307	9.27	0.365	9.27	0.365
300	12	323.8	12.75	4.57	0.180	6.35	0.250	8.38	0.330	9.53	0.375	10.31	0.406
350	14	355.6	14	6.35	0.250	7.92	0.312	9.53	0.375	9.53	0.375	11.13	0.438
400	16	406.4	16	6.35	0.250	7.92	0.312	9.53	0.375	9.53	0.375	12.70	0.500
450	18	457	18	6.35	0.250	7.92	0.312	11.13	0.438	9.53	0.375	14.27	0.562
500	20	508	20	6.35	0.250	9.53	0.375	12.70	0.500	9.53	0.375	15.09	0.594
550	22	559	22	6.35	0.250	9.53	0.375	12.70	0.500	9.53	0.375	-	-
600	24	610	24	6.35	0.250	9.53	0.375	14.27	0.562	9.53	0.375	17.48	0.688
650	26	660	26	7.92	0.312	12.70	0.500	-	-	9.53	0.375	-	-
700	28	711	28	7.92	0.312	12.70	0.500	15.88	0.625	9.53	0.375	-	-
750	30	762	30	7.92	0.312	12.70	0.500	15.88	0.625	9.53	0.375	-	-
800	32	813	32	7.92	0.312	12.70	0.500	15.88	0.625	9.53	0.375	17.48	0.688
850	34	864	34	7.92	0.312	12.70	0.500	15.88	0.625	9.53	0.375	17.48	0.688
900	36	914	36	7.92	0.312	12.70	0.500	15.88	0.625	9.53	0.375	19.05	0.750
950	38	965	38	-	-	-	-	-	-	9.53	0.375	-	-
1000	40	1016	40	-	-	-	-	-	-	9.53	0.375	-	-
1050	42	1067	42	-	-	-	-	-	-	9.53	0.375	-	-
1100	44	1118	44	-	-	-	-	-	-	9.53	0.375	-	-
1150	46	1168	46	-	-	-	-	-	-	9.53	0.375	-	-
1200	48	1219	48	-	-	-	-	-	-	9.53	0.375	-	-

Wall Thickness Schedules (ASME)

Carbon Steel

ASME B36.10 ASME B36.19

Nominal pipe Size (NPS)		Outside Diameter		Nominal Wall Thickness							
				Sch60		XS		Sch80		Sch100	
A	B	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
8	1/4	13.7	0.540	-	-	3.02	0.119	3.02	0.119	-	-
10	3/8	17.1	0.675	-	-	3.20	0.126	3.20	0.126	-	-
15	1/2	21.3	0.840	-	-	3.73	0.147	3.73	0.147	-	-
20	3/4	26.7	1.05	-	-	3.91	0.154	3.91	0.154	-	-
25	1	33.4	1.32	-	-	4.55	0.179	4.55	0.179	-	-
32	1 1/4	42.2	1.66	-	-	4.85	0.191	4.85	0.191	-	-
40	1 1/2	48.3	1.9	-	-	5.08	0.200	5.08	0.200	-	-
50	2	60.3	2.38	-	-	5.54	0.218	5.54	0.218	-	-
65	2 1/2	73.0	2.88	-	-	7.01	0.276	7.01	0.276	-	-
80	3	88.9	3.5	-	-	7.62	0.300	7.62	0.300	-	-
90	3 1/2	101.6	4	-	-	8.08	0.318	8.08	0.318	-	-
100	4	114.3	4.5	-	-	8.56	0.337	8.56	0.337	-	-
125	5	141.3	5.56	-	-	9.53	0.375	9.53	0.375	-	-
150	6	168.3	6.62	-	-	10.97	0.432	10.97	0.432	-	-
200	8	219.1	8.62	10.31	0.406	12.70	0.500	12.70	0.500	15.09	0.594
250	10	273.0	10.75	12.70	0.500	12.70	0.500	15.09	0.594	18.26	0.719
300	12	323.8	12.75	14.27	0.562	12.70	0.500	17.48	0.688	21.44	0.844
350	14	355.6	14	15.09	0.594	12.70	0.500	19.05	0.750	23.83	0.938
400	16	406.4	16	16.66	0.656	12.70	0.500	21.44	0.844	26.19	1.031
450	18	457	18	19.05	0.750	12.70	0.500	23.83	0.938	29.36	1.156
500	20	508	20	20.62	0.812	12.70	0.500	26.19	1.031	32.54	1.281
550	22	559	22	22.23	0.875	12.70	0.500	28.58	1.125	34.93	1.375
600	24	610	24	24.61	0.969	12.70	0.500	30.96	1.219	38.89	1.531
650	26	660	26	-	-	12.70	0.500	-	-	-	-
700	28	711	28	-	-	12.70	0.500	-	-	-	-
750	30	762	30	-	-	12.70	0.500	-	-	-	-
800	32	813	32	-	-	12.70	0.500	-	-	-	-
850	34	864	34	-	-	12.70	0.500	-	-	-	-
900	36	914	36	-	-	12.70	0.500	-	-	-	-
950	38	965	38	-	-	12.70	0.500	-	-	-	-
1000	40	1016	40	-	-	12.70	0.500	-	-	-	-
1050	42	1067	42	-	-	12.70	0.500	-	-	-	-
1100	44	1118	44	-	-	12.70	0.500	-	-	-	-
1150	46	1168	46	-	-	12.70	0.500	-	-	-	-
1200	48	1219	48	-	-	12.70	0.500	-	-	-	-

Wall Thickness Schedules (JIS)

JIS G3452 JIS G3454 JIS G3457

Nominal Pipe Size(NPS)		Outside Diameter	SGP		LG		STD		XS	
A	B	JIS	W.T	I.D	W.T	I.D	W.T	I.D	W.T	I.D
15	1/2	21.7	2.8	16.1	-	-	-	-	-	-
20	3/4	27.2	2.8	21.6	-	-	-	-	-	-
25	1	34	3.2	27.6	-	-	-	-	-	-
32	1 1/4	42.7	3.5	35.7	-	-	-	-	-	-
40	1 1/2	48.6	3.5	41.6	-	-	-	-	-	-
50	2	60.5	3.8	52.9	-	-	-	-	-	-
65	2 1/2	76.3	4.2	67.9	-	-	-	-	-	-
80	3	89.1	4.2	80.7	-	-	-	-	-	-
90	3 1/2	101.6	4.2	93.2	-	-	-	-	-	-
100	4	114.3	4.5	105.3	-	-	-	-	-	-
125	5	139.8	4.5	130.8	-	-	-	-	-	-
150	6	165.2	5	155.2	5	155.2	-	-	-	-
200	8	216.3	5.8	204.7	5.8	204.7	-	-	-	-
250	10	267.4	6.6	254.2	6.6	254.2	-	-	-	-
300	12	318.5	6.9	304.7	6.9	304.7	-	-	-	-
350	14	355.6	7.9	339.8	7.9	339.8	9.5	336.6	12.7	330.2
400	16	406.4	7.9	390.6	7.9	390.6	9.5	387.4	12.7	381
450	18	457.2	7.9	441.4	7.9	441.4	9.5	438.2	12.7	431.8
500	20	508	7.9	492.2	7.9	492.2	9.5	489	12.7	482.6
550	22	558.8	-	-	7.9	543	9.5	539.8	12.7	533.4
600	24	609.6	-	-	7.9	593.8	9.5	590.6	12.7	584.2
650	26	660.4	-	-	7.9	644.6	9.5	641.4	12.7	635
700	28	711.2	-	-	7.9	695.4	9.5	692.2	12.7	685.8
750	30	762	-	-	7.9	746.2	9.5	743	12.7	736.6
800	32	812.8	-	-	7.9	797	9.5	793.8	12.7	787.4
850	34	863.6	-	-	7.9	847.8	9.5	844.6	12.7	838.2
900	36	914.4	-	-	7.9	898.6	9.5	895.4	12.7	889
950	38	965.2	-	-	7.9	949.4	9.5	946.2	12.7	939.8
1000	40	1016	-	-	7.9	1000.2	9.5	997	12.7	990.6
1050	42	1066.8	-	-	-	-	9.5	1047.8	12.7	1041.4
1100	44	1117.6	-	-	-	-	9.5	1098.6	12.7	1092.2
1150	46	1168.4	-	-	-	-	9.5	1149.4	12.7	1143
1200	48	1219.2	-	-	-	-	9.5	1200.2	12.7	1193.8

Wall Thickness Schedules (DIN)

DIN 2448 DIN 2458

Nominal Pipe Size (NPS)		Outside Diameter	Wall Thickness, s, For Series				
A	B		1	2	3	4	5
1/2	15	21.3	1.6	-	2.0	3.2	4.0
3/4	20	26.9	1.6	-	2.3	3.2	4.0
1	25	33.7	2.0	-	2.6	3.2	4.0
1 1/4	32	42.4	2.0	-	2.6	3.6	4.0
1 1/2	40	48.3	2.0	-	2.6	4.0	5.0
2	50	60.3	2.0	-	2.9	4.5	5.6
2 1/2	65	76.1	2.3	-	2.9	5.0	7.1
3	80	88.9	2.3	-	3.2	5.6	8.0
4	100	114.3	2.6	-	3.6	6.3	8.8
5	125	139.7	2.6	-	4.0	6.3	10.0
6	150	168.3	2.6	4.0	4.5	7.1	11.0
8	200	219.1	2.9	4.5	6.3	8.0	12.5
10	250	273	2.9	5.0	6.3	8.8	-
12	300	323.9	2.9	5.6	7.1	10.0	-
14	350	355.6	3.2	5.6	8.0	11.0	-
16	400	406.4	3.2	6.3	8.8	12.5	-
18	450	457	4.0	6.3	10.0	-	-
20	500	508	4.0	6.3	11.0	-	-
24	600	610	5.0	6.3	12.5	-	-
28	700	711	5.0	7.1	12.5	-	-
32	800	813	5.6	8.0	12.5	-	-
36	900	914	6.3	10.0	12.5	-	-
40	1000	1016	6.3	10.0	12.5	-	-
48	1200	1220	6.3	12.5	-	-	-