

**SPECIFICATION STANDARD (STEEL PIPE)– MM UNIT**

Normal Diameter		OD(MM)	WALL THICKNESS(MM)																
A(MM)	B(INCH)		ASME	ANSI B36.10M&ANSI B36.19M															
			SCH5/5S	SCH10S	SCH10	SCH20	SCH30	STD	SCH40	SCH40S	SCH60	XS	SCH80	SCH80S	SCH100	SCH120	SCH140	SCH160	XXS
6	1/8"	10.29		1.24	1.24		1.45	1.73	1.73	1.73		2.41	2.41	2.41					
8	1/4"	13.72		1.65	1.65		1.85	2.24	2.24	2.24		3.02	3.02	3.02					
10	3/8"	17.14		1.65	1.65		1.85	2.31	2.31	2.31		3.2	3.2	3.2					
15	1/2"	21.34	1.65	2.11	2.11		2.41	2.77	2.77	2.77		3.73	3.73	3.73				4.78	7.47
20	3/4"	26.67	1.65	2.11	2.11		2.41	2.87	2.87	2.87		3.91	3.91	3.91				5.56	7.82
25	1"	33.40	1.65	2.77	2.77		2.9	3.38	3.38	3.38		4.55	4.55	4.55				6.35	9.09
32	1.1/4"	42.16	1.65	2.77	2.77		2.97	3.56	3.56	3.56		4.85	4.85	4.85				6.35	9.7
40	1.1/2"	48.26	1.65	2.77	2.77		3.18	3.68	3.68	3.68		5.08	5.08	5.08				7.14	10.15
50	2"	60.32	1.65	2.77	2.77		3.18	3.91	3.91	3.91		5.54	5.54	5.54				8.74	11.07
65	2.1/2"	73.02	2.11	3.05	3.05		4.78	5.16	5.16	5.16		7.01	7.01	7.01				9.53	14.02
80	3"	88.90	2.11	3.05	3.05		4.78	5.49	5.49	5.49		7.62	7.62	7.62				11.13	15.25
90	3.1/2"	101.60	2.11	3.05	3.05		4.78	5.74	5.74	5.74		8.08	8.08	8.08					
100	4"	114.30	2.11	3.05	3.05		4.78	6.02	6.02	6.02		8.56	8.56	8.56		11.13		13.49	17.12
125	5"	141.30	2.77	3.40	3.40			6.55	6.55	6.55		9.53	9.53	9.53		12.7		15.88	19.05
150	6"	168.28	2.77	3.40	3.40			7.11	7.11	7.11		10.97	10.97	10.97		14.27		18.26	21.95
200	8"	219.08	2.77	3.76	3.76	6.35	7.04	8.18	8.18	10.31	12.7	12.7	12.7	15.09	18.26	20.62	23.01	22.23	
250	10"	273.05	3.40	4.19	4.19	6.35	7.8	9.27	9.27	12.7	12.7	15.09	12.7	18.26	21.44	25.4	28.58	25.4	
300	12"	323.85	3.96	4.57	4.57	6.35	8.38	9.53	10.31	9.53	14.27	12.7	17.48	12.7	21.44	25.4	28.58	33.32	25.4
350	14"	355.60	3.96	4.78	6.35	7.92	9.53	9.53	11.13	9.53	15.09	12.7	19.05	12.7	23.83	27.79	31.75	35.71	
400	16"	406.40	4.19	4.78	6.35	7.92	9.53	9.53	12.7	9.53	16.66	12.7	21.44	12.7	26.19	30.96	36.53	40.49	
450	18"	457.20	4.19	4.78	6.35	7.92	11.13	9.53	14.27	9.53	19.05	12.7	23.83	12.7	29.36	34.93	39.67	45.24	
500	20"	508.00	4.78	5.54	6.35	9.53	12.7	9.53	15.09	9.53	20.62	12.7	26.19	12.7	32.54	38.1	44.45	50.01	
550	22"	558.80	4.78	5.54	6.35	9.53	12.7	9.53			22.23	12.7	28.58		34.93	41.28	47.63	53.98	
600	24"	609.60	5.54	6.35	6.35	9.53	14.27	9.53	17.48	9.53	24.61	12.7	30.96	12.7	38.89	46.02	52.37	59.54	
650	26"	660.40				7.92	12.7		9.53			12.7							
700	28"	711.20				7.92	12.7	15.88	9.53			12.7							
750	30"	762.00	6.35			7.92	12.7	15.88	9.53			12.7							
800	32"	812.00				7.92	12.7	15.88	9.53	17.48		12.7							
850	34"	863.60				7.92	12.7	15.88	9.53	17.48		12.7							
900	36"	914.40				7.92	12.7	15.88	9.53	19.05		12.7							
950	38"	965.20							9.53			12.7							
1000	40"	1016.00							9.53			12.7							
1050	42"	1066.80							9.53			12.7							
1100	44"	1117.60							9.53			12.7							
1150	46"	1168.40							9.53			12.7							
1200	48"	1219.20							9.53			12.7							
1300	52"	1320.80							9.53			12.7							
1350	54"	1371.60							9.53			12.7							
1400	56"	1422.40							9.53			12.7							
1500	60"	1524.00							9.53			12.7							
1600	64"	1625.00							9.53			12.7							
1700	68"	1727.20							9.53			12.7							
1800	72"	1828.80							9.53			12.7							
1900	76"	1930.40							9.53			12.7							
2000	80"	2032.00							9.53			12.7							

### SPECIFICATION STANDARD (STEEL PIPE)– INCH UNIT

Normal Diameter		OD(INCH)	WALL THICKNESS(INCH)																
A(MM)	B(INCH)		ANSI B36.10M&ANSI B36.19M																
		ASME	SCH5/5S	SCH10S	SCH10	SCH20	SCH30	STD	SCH40	SCH40S	SCH60	XS	SCH80	SCH80S	SCH100	SCH120	SCH140	SCH160	XXS
6	1/8"	0.41		0.05	0.05		0.06	0.07	0.07	0.07		0.10	0.10	0.10					
8	1/4"	0.54		0.07	0.07		0.07	0.09	0.09	0.09		0.12	0.12	0.12					
10	3/8"	0.68		0.07	0.07		0.07	0.09	0.09	0.09		0.13	0.13	0.13					
15	1/2"	0.84	0.07	0.08	0.08		0.10	0.11	0.11	0.11		0.15	0.15	0.15				0.19	0.29
20	3/4"	1.05	0.07	0.08	0.08		0.10	0.11	0.11	0.11		0.15	0.15	0.15				0.22	0.31
25	1"	1.32	0.07	0.11	0.11		0.11	0.13	0.13	0.13		0.18	0.18	0.18				0.25	0.36
32	1.1/4"	1.66	0.07	0.11	0.11		0.12	0.14	0.14	0.14		0.19	0.19	0.19				0.25	0.38
40	1.1/2"	1.90	0.07	0.11	0.11		0.13	0.15	0.15	0.15		0.20	0.20	0.20				0.28	0.40
50	2"	2.38	0.07	0.11	0.11		0.13	0.15	0.15	0.15		0.22	0.22	0.22				0.34	0.44
65	2.1/2"	2.88	0.08	0.12	0.12		0.19	0.20	0.20	0.20		0.28	0.28	0.28				0.38	0.55
80	3"	3.50	0.08	0.12	0.12		0.19	0.22	0.22	0.22		0.30	0.30	0.30				0.44	0.60
90	3.1/2"	4.00	0.08	0.12	0.12		0.19	0.23	0.23	0.23		0.32	0.32	0.32					
100	4"	4.50	0.08	0.12	0.12		0.19	0.24	0.24	0.24		0.34	0.34	0.34		0.44		0.53	0.67
125	5"	5.56	0.11	0.13	0.13			0.26	0.26	0.26		0.38	0.38	0.38		0.50		0.63	0.75
150	6"	6.63	0.11	0.13	0.13			0.28	0.28	0.28		0.43	0.43	0.43		0.56		0.72	0.86
200	8"	8.63	0.11	0.15	0.15	0.25	0.28	0.32	0.32	0.32	0.41	0.50	0.50	0.50	0.59	0.72	0.81	0.91	0.88
250	10"	10.75	0.13	0.17	0.17	0.25	0.31	0.37	0.37	0.37	0.50	0.50	0.59	0.50	0.72	0.84	1.00	1.13	1.00
300	12"	12.75	0.16	0.18	0.18	0.25	0.33	0.38	0.41	0.38	0.56	0.50	0.69	0.50	0.84	1.00	1.13	1.31	1.00
350	14"	14.00	0.16	0.19	0.25	0.31	0.38	0.38	0.44	0.38	0.59	0.50	0.75	0.50	0.94	1.09	1.25	1.41	
400	16"	16.00	0.17	0.19	0.25	0.31	0.38	0.38	0.50	0.38	0.66	0.50	0.84	0.50	1.03	1.22	1.44	1.59	
450	18"	18.00	0.17	0.19	0.25	0.31	0.44	0.38	0.56	0.38	0.75	0.50	0.94	0.50	1.16	1.38	1.56	1.78	
500	20"	20.00	0.19	0.22	0.25	0.38	0.50	0.38	0.59	0.38	0.81	0.50	1.03	0.50	1.28	1.50	1.75	1.97	
550	22"	22.00	0.19	0.22	0.25	0.38	0.50	0.38			0.88	0.50	1.13		1.38	1.63	1.88	2.13	
600	24"	24.00	0.22	0.25	0.25	0.38	0.56	0.38	0.69	0.38	0.97	0.50	1.22	0.50	1.53	1.81	2.06	2.34	
650	26"	26.00			0.31	0.50		0.38				0.50							
700	28"	28.00			0.31	0.50	0.63	0.38				0.50							
750	30"	30.00	0.25		0.31	0.50	0.63	0.38				0.50							
800	32"	31.97			0.31	0.50	0.63	0.38	0.69			0.50							
850	34"	34.00			0.31	0.50	0.63	0.38	0.69			0.50							
900	36"	36.00			0.31	0.50	0.63	0.38	0.75			0.50							
950	38"	38.00						0.38				0.50							
1000	40"	40.00						0.38				0.50							
1050	42"	42.00						0.38				0.50							
1100	44"	44.00						0.38				0.50							
1150	46"	46.00						0.38				0.50							
1200	48"	48.00						0.38				0.50							
1300	52"	52.00						0.38				0.50							
1350	54"	54.00						0.38				0.50							
1400	56"	56.00						0.38				0.50							
1500	60"	60.00						0.38				0.50							
1600	64"	63.98						0.38				0.50							
1700	68"	68.00						0.38				0.50							
1800	72"	72.00						0.38				0.50							
1900	76"	76.00						0.38				0.50							
2000	80"	80.00						0.38				0.50							

**ANSI B36.10M SPECIFICATION STANDARD (STEEL PIPE)– MM UNIT**

Normal Diameter		OD(MM)	WALL THICKNESS(MM)													
A(MM)	B(INCH)	ASME	SCH5/5S	SCH10	SCH20	SCH30	STD	SCH40	SCH60	XS	SCH80	SCH100	SCH120	SCH140	SCH160	XXS
6	1/8"	10.29		1.24		1.45	1.73	1.73		2.41	2.41					
8	1/4"	13.72		1.65		1.85	2.24	2.24		3.02	3.02					
10	3/8"	17.14		1.65		1.85	2.31	2.31		3.2	3.2					
15	1/2"	21.34	1.65	2.11		2.41	2.77	2.77		3.73	3.73				4.78	7.47
20	3/4"	26.67	1.65	2.11		2.41	2.41	2.87		3.91	3.91				5.56	7.82
25	1"	33.40	1.65	2.77		2.9	3.38	3.38		4.55	4.55				6.35	9.09
32	1.1/4"	42.16	1.65	2.77		2.97	3.56	3.56		4.85	4.85				6.35	9.7
40	1.1/2"	48.26	1.65	2.77		3.18	3.68	3.68		5.08	5.08				7.14	10.15
50	2"	60.32	1.65	2.77		3.18	3.91	3.91		5.54	5.54				8.74	11.07
65	2.1/2"	73.02	2.11	3.05		4.78	5.16	5.16		7.01	7.01				9.53	14.02
80	3"	88.90	2.11	3.05		4.78	5.49	5.49		7.62	7.62				11.13	15.25
90	3.1/2"	101.60	2.11	3.05		4.78	5.74	5.74		8.08	8.08					
100	4"	114.30	2.11	3.05		4.78	6.02	6.02		8.56	8.56		11.13		13.49	17.12
125	5"	141.30	2.77	3.40			6.55	6.55		9.53	9.53		12.7		15.88	19.05
150	6"	168.28	2.77	3.40			7.11	7.11		10.97	10.97		14.27		18.26	21.95
200	8"	219.08	2.77	3.76	6.35	7.04	8.18	8.18	10.31	12.7	12.7	15.09	18.26	20.62	23.01	22.23
250	10"	273.05	3.40	4.19	6.35	7.8	9.27	9.27	12.7	12.7	15.09	18.26	21.44	25.4	28.58	25.4
300	12"	323.85	3.96	4.57	6.35	8.38	9.53	10.31	14.27	12.7	17.48	21.44	25.4	28.58	33.32	25.4
350	14"	355.60	3.96	6.35	7.92	9.53	9.53	11.13	15.09	12.7	19.05	23.83	27.79	31.75	35.71	
400	16"	406.40	4.19	6.35	7.92	9.53	9.53	12.7	16.66	12.7	21.44	26.19	30.96	36.53	40.49	
450	18"	457.20	4.19	6.35	7.92	11.13	9.53	14.27	19.05	12.7	23.83	29.36	34.93	39.67	45.24	
500	20"	508.00	4.78	6.35	9.53	12.7	9.53	15.09	20.62	12.7	26.19	32.54	38.1	44.45	50.01	
550	22"	558.80	4.78	6.35	9.53	12.7	9.53		22.23	12.7	28.58	34.93	41.28	47.63	53.98	
600	24"	609.60	5.54	6.35	9.53	14.27	9.53	17.48	24.61	12.7	30.96	38.89	46.02	52.37	59.54	
650	26"	660.40		7.92	12.7		9.53			12.7						
700	28"	711.20		7.92	12.7	15.88	9.53			12.7						
750	30"	762.00	6.35	7.92	12.7	15.88	9.53			12.7						
800	32"	812.00		7.92	12.7	15.88	9.53	17.48		12.7						
850	34"	863.60		7.92	12.7	15.88	9.53	17.48		12.7						
900	36"	914.40		7.92	12.7	15.88	9.53	19.05		12.7						
950	38"	965.20					9.53			12.7						
1000	40"	1016.00					9.53			12.7						
1050	42"	1066.80					9.53			12.7						
1100	44"	1117.60					9.53			12.7						
1150	46"	1168.40					9.53			12.7						
1200	48"	1219.20					9.53			12.7						
1300	52"	1320.80					9.53			12.7						
1350	54"	1371.60					9.53			12.7						
1400	56"	1422.40					9.53			12.7						
1500	60"	1524.00					9.53			12.7						
1600	64"	1625.00					9.53			12.7						
1700	68"	1727.20					9.53			12.7						
1800	72"	1828.80					9.53			12.7						
1900	76"	1930.40					9.53			12.7						
2000	80"	2032.00					9.53			12.7						

**ANSI B36.10M  
SPECIFICATION STANDARD (STEEL PIPE)– MM UNIT**

Normal Diameter		OD(MM)	WALL THICKNESS(MM)			
A(MM)	B(INCH)	ASME	SCH5/5S	SCH10S	SCH40S	SCH80S
6	1/8"	<b>10.29</b>		1.24	1.73	2.41
8	1/4"	<b>13.72</b>		1.65	2.24	3.02
10	3/8"	<b>17.14</b>		1.65	2.31	3.2
15	1/2"	<b>21.34</b>	1.65	2.11	2.77	3.73
20	3/4"	<b>26.67</b>	1.65	2.11	2.87	3.91
25	1"	<b>33.40</b>	1.65	2.77	3.38	4.55
32	1.1/4"	<b>42.16</b>	1.65	2.77	3.56	4.85
40	1.1/2"	<b>48.26</b>	1.65	2.77	3.68	5.08
50	2"	<b>60.32</b>	1.65	2.77	3.91	5.54
65	2.1/2"	<b>73.02</b>	2.11	3.05	5.16	7.01
80	3"	<b>88.90</b>	2.11	3.05	5.49	7.62
90	3.1/2"	<b>101.60</b>	2.11	3.05	5.74	8.08
100	4"	<b>114.30</b>	2.11	3.05	6.02	8.56
125	5"	<b>141.30</b>	2.77	3.40	6.55	9.53
150	6"	<b>168.28</b>	2.77	3.40	7.11	10.97
200	8"	<b>219.08</b>	2.77	3.76	8.18	12.7
250	10"	<b>273.05</b>	3.40	4.19	9.27	12.7
300	12"	<b>323.85</b>	3.96	4.57	9.53	12.7
350	14"	<b>355.60</b>	3.96	4.78	9.53	12.7
400	16"	<b>406.40</b>	4.19	4.78	9.53	12.7
450	18"	<b>457.20</b>	4.19	4.78	9.53	12.7
500	20"	<b>508.00</b>	4.78	5.54	9.53	12.7
550	22"	<b>558.80</b>	4.78	5.54		
600	24"	<b>609.60</b>	5.54	6.35	9.53	12.7