



PANTECH CORPORATION SDN BHD (176321-P)

A member of Pantech Group Holdings Berhad
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~ Project Supply Specialist in Pipes, Valves & Fittings (PVF) and Structural Steel Solutions for Oil & Gas, Energy, Refinerles & Marine Industries ~

Metric ANSI PIPE SCHEDULE SI-UNITS (METRIC)

For 5s, 10s, 40s, 80s:
Figures based on stainless steel

OD's = mm
Wall thickness = mm
Weight = kg/m (plain end mass)

Nominal pipe size inches	OD mm	ASME B36.19				ASME B36.10													
		5s	10s	40s	80s	10	20	30	STD	40	60	XS	80	100	120	140	160	XXS	
6	10.3		1.24 0.28	1.73 0.36	2.41 0.48	1.24 0.28		1.45 0.32	1.73 0.37	1.73 0.37		2.41 0.47	2.41 0.47						
8	13.7		1.65 0.51	2.24 0.64	3.02 0.80	1.65 0.49		1.85 0.54	2.24 0.63	2.24 0.63		3.02 0.80	3.02 0.80						
10	17.1		1.65 0.64	2.31 0.86	3.20 1.12	1.65 0.63		1.85 0.70	2.31 0.84	2.31 0.84		3.20 1.10	3.20 1.10						
15	21.3	1.65 0.82	2.11 1.01	2.77 1.30	3.73 1.65	2.11 1.00		2.41 1.12	2.77 1.27	2.77 1.27		3.73 1.62	3.73 1.62				4.78 1.95	7.47 2.55	
20	26.7	1.65 1.04	2.11 1.31	2.87 1.71	3.91 2.24	2.11 1.28		2.41 1.44	2.87 1.69	2.87 1.69		3.91 2.20	3.91 2.20				5.56 2.90	7.82 3.64	
25	33.4	1.65 1.33	2.77 2.13	3.38 2.55	4.55 3.29	2.77 2.09		2.90 2.18	3.38 2.50	3.38 2.50		4.55 3.24	4.55 3.24				6.35 4.24	9.09 5.45	
32	42.2	1.65 1.68	2.77 2.76	3.56 3.46	4.85 4.56	2.77 2.69		2.97 2.87	3.56 3.39	3.56 3.39		4.85 4.47	4.85 4.47				6.35 5.61	9.70 7.77	
40	48.3	1.65 1.95	2.77 3.11	3.68 4.13	5.08 5.51	2.77 3.11		3.18 3.53	3.68 4.05	3.68 4.05		5.08 5.41	5.08 5.41				7.14 7.25	10.15 9.56	
50	60.3	1.65 2.44	2.77 4.01	3.91 5.54	5.54 7.63	2.77 3.93		3.18 4.48	3.91 5.44	3.91 5.44		5.54 7.48	5.54 7.48				8.74 11.11	11.07 13.44	
65	73.0	2.11 3.77	3.05 5.36	5.16 8.81	7.01 11.64	3.05 5.26		4.78 8.04	5.16 8.63	5.16 8.63		7.01 11.41	7.01 11.41				9.53 14.92	14.02 20.39	
80	88.9	2.11 4.60	3.05 6.59	5.49 11.52	7.62 15.59	3.05 6.46		4.78 9.92	5.49 11.29	5.49 11.29		7.62 15.27	7.62 15.27				11.13 21.35	15.24 27.68	
90	101.6	2.11 5.29	3.05 7.55	5.74 13.57	8.08 19.01	3.05 7.41		4.78 11.41	5.74 13.57	5.74 13.57		8.08 18.63	8.08 18.63				-	-	
100	114.3	2.11 5.96	3.05 8.52	6.02 16.40	8.56 22.77	3.05 8.37		4.78 12.91	6.02 16.07	6.02 16.07		8.56 22.32	8.56 22.32	11.13 28.32			13.49 33.54	17.12 41.03	
125	141.3	2.77 9.67	3.40 11.82	6.55 22.20	9.53 31.59	3.40 11.56			6.55 21.77	6.55 21.77		9.53 30.97	9.53 30.97	12.70 40.28			15.88 49.11	19.05 57.43	
150	168.3	2.77 11.55	3.40 14.13	7.11 28.83	10.97 43.42	3.40 13.83			7.11 28.26	7.11 28.26		10.97 42.56	10.97 42.56	14.27 54.20			18.26 67.56	21.95 79.22	
200	219.1	2.77 15.09	3.76 20.37	8.18 43.39	12.70 65.95	3.76 19.97	6.35 33.31	7.04 36.81	8.18 42.55	8.18 42.55	10.31 53.08	12.70 64.64	12.70 64.64	15.09 75.92	18.26 90.44	20.62 100.92	23.01 111.27	22.23 107.92	
250	273.1	3.40 23.08	4.19 28.34	9.27 61.52	12.70 83.19	4.19 27.78	6.35 41.77	7.80 51.03	9.27 60.31	9.27 60.31	12.70 81.55	12.70 81.55	15.09 96.01	18.26 114.75	21.44 133.06	25.40 155.15	28.58 172.33	25.40 155.15	
300	323.9	3.96 31.89	4.57 36.73	9.53 75.32	12.70 99.43	4.57 35.98	6.35 49.73	8.38 65.20	9.53 73.88	9.53 73.88	10.31 79.73	12.70 97.46	12.70 97.46	17.48 132.08	21.44 159.91	25.40 186.97	28.58 208.14	33.32 238.76	25.40 186.97
350	355.6	3.96 35.06	4.78 42.14	9.53 81.33	12.70 107.40	6.35 54.69	7.92 67.90	9.53 81.33	9.53 81.33	11.13 94.55	11.13 94.55	12.70 126.70	12.70 126.70	19.05 158.10	23.83 194.96	27.79 224.65	31.75 253.56	35.71 281.70	
400	406.4	4.19 42.41	4.78 48.26	9.53 93.27	12.70 123.31	6.35 62.64	7.92 77.83	9.53 93.27	9.53 93.27	12.70 123.30	12.70 123.30	16.66 160.12	12.70 123.30	21.44 203.53	26.19 245.56	30.96 286.64	36.53 333.19	40.49 365.35	
450	457.2	4.19 47.77	4.78 54.36	9.53 108.37	12.70 140.62	6.35 70.57	7.92 87.71	9.53 122.38	9.53 122.38	11.13 105.16	11.13 105.16	14.27 155.80	12.70 139.15	19.05 254.57	23.83 309.62	29.36 363.56	34.93 408.26	39.67 459.37	45.24 459.37
500	508.0	4.78 60.46	5.54 70.00	9.53 117.15	12.70 155.13	6.35 78.55	9.53 117.15	12.70 155.12	9.53 117.15	15.09 183.42	15.09 183.42	20.62 247.83	12.70 155.12	26.19 311.17	32.54 381.53	38.10 441.49	44.45 508.11	50.01 564.81	
550	558.8	4.78 66.57	5.54 77.06	-	-	6.35 86.54	9.53 129.13	12.70 171.09	9.53 129.13	-	-	22.23 294.25	12.70 171.09	28.58 373.83	34.93 451.42	41.28 527.02	47.63 600.63	53.98 672.26	
600	609.6	5.54 84.16	6.35 96.37	9.53 141.12	12.7 187.07	6.35 94.53	9.53 141.12	14.27 209.64	9.53 141.12	17.48 255.41	17.48 255.41	24.61 355.26	12.70 187.06	30.96 442.08	38.89 547.71	46.02 640.03	52.37 720.15	59.54 808.22	
650	660.4					7.92 127.36	12.70 202.72	-	9.53 152.87	-	-	12.70 202.72							
700	711.2					7.92 137.32	12.70 218.69	15.88 271.21	9.53 164.85	-	-	12.70 218.69							
750	762.0	6.35 120.72	7.92 150.36			7.92 147.28	12.70 234.67	15.88 292.18	9.53 176.84	-	-	12.70 234.67							
800	812.8					7.92 157.24	12.70 250.64	15.88 312.15	9.53 188.82	17.48 342.91	17.48 342.91	12.70 250.64							
850	863.6					7.92 167.20	12.70 266.61	15.88 332.12	9.53 200.31	17.48 364.90	17.48 364.90	12.70 266.61							
900	914.4					7.92 176.96	12.70 282.27	15.88 351.70	9.53 212.56	19.05 420.42	19.05 420.42	12.70 282.27							
950	965.2								9.53 224.54			12.70 298.24							
1000	1016.0								9.53 236.53			12.70 314.22							
1050	1066.8								9.53 248.52			12.70 330.19							
1100	1117.8								9.53 260.50			12.70 346.16							
1150	1168.4								9.53 272.25			12.70 351.82							
1200	1219.2								9.53 284.24			12.70 377.79							



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For 5s, 10s, 40s, 80s:
Figures based on austenitic steel

OD's = inches
Wall thickness = inches
Weight = lbs./ft. (plain end mass)

Imperial ANSI PIPE SCHEDULE INCH UNITS

Nominal pipe size inches	OD inches	ASME B36.19				ASME B36.10													
		5s	10s	40s	80s	10	20	30	STD	40	60	XS	80	100	120	140	160	XXS	
1/8	6		0.049	0.068	0.095	0.049			0.057	0.068	0.068		0.095	0.095					
			0.19	0.24	0.32	0.19			0.21	0.24	0.24		0.31	0.31					
1/4	8		0.065	0.088	0.119	0.065			0.073	0.088	0.088		0.119	0.119					
			0.34	0.43	0.55	0.33			0.36	0.42	0.42		0.54	0.54					
3/8	10		0.065	0.091	0.126	0.065			0.073	0.091	0.091		0.126	0.126					
			0.43	0.58	0.75	0.42			0.47	0.57	0.57		0.74	0.74					
1/2	15	0.065	0.083	0.109	0.147	0.083			0.095	0.109	0.109		0.147	0.147				0.188	0.294
		0.55	0.68	0.87	1.11	0.67			0.76	0.85	0.85		1.09	1.09				1.31	1.71
3/4	20	0.065	0.083	0.113	0.154	0.083			0.095	0.113	0.113		0.154	0.154				0.219	0.308
		0.70	0.88	1.15	1.50	0.86			0.97	1.13	1.13		1.47	1.47				1.94	2.44
1	25	0.065	0.109	0.133	0.179	0.109			0.114	0.133	0.133		0.179	0.179				0.250	0.358
		0.89	1.43	1.71	2.21	1.41			1.46	1.68	1.68		2.17	2.17				2.84	3.66
1 1/4	32	0.065	0.109	0.140	0.191	0.109			0.117	0.140	0.140		0.191	0.191				0.250	0.382
		1.13	1.85	2.32	3.06	1.81			1.93	2.27	2.27		3.00	3.00				3.76	5.21
1 1/2	40	0.065	0.109	0.145	0.200	0.109			0.125	0.145	0.145		0.200	0.200				0.281	0.400
		1.31	2.13	2.77	3.70	2.09			2.37	2.72	2.72		3.63	3.63				4.86	6.41
2	50	0.065	0.109	0.154	0.218	0.109			0.125	0.154	0.154		0.218	0.218				0.344	0.436
		1.64	2.69	3.72	5.12	2.64			3.01	3.65	3.65		5.02	5.02				7.46	9.03
2 1/2	65	0.083	0.120	0.203	0.276	0.12			0.188	0.203	0.203		0.276	0.276				0.375	0.552
		2.53	3.60	5.91	7.81	3.53			5.40	5.79	5.79		7.66	7.66				10.01	13.69
3	80	0.083	0.120	0.216	0.300	0.12			0.188	0.216	0.216		0.300	0.300				0.438	0.600
		3.09	4.42	7.73	10.46	4.34			6.66	7.58	7.58		10.25	10.25				14.32	18.58
3 1/2	90	0.083	0.120	0.226	0.318	0.12			0.188	0.226	0.226		0.318	0.318				-	-
		3.55	5.07	9.29	12.76	4.98			7.66	9.11	9.11		12.50	12.50				-	-
4	100	0.083	0.120	0.237	0.337	0.12			0.188	0.237	0.237		0.337	0.337		0.438		0.531	0.674
		4.00	5.72	11.01	15.28	5.62			8.67	10.79	10.79		14.98	14.98		19.00		22.51	27.54
5	125	0.109	0.134	0.258	0.375	0.134				0.258	0.258		0.375	0.375		0.500		0.625	0.750
		6.49	7.93	14.91	21.20	7.78				14.63	14.63		20.78	20.78		27.04		32.96	38.55
6	150	0.109	0.134	0.280	0.432	0.134				0.280	0.280		0.432	0.432		0.562		0.719	0.864
		7.75	9.48	19.35	29.14	9.30				18.97	18.97		28.57	28.57		36.39		45.35	53.16
8	200	0.109	0.148	0.322	0.500	0.148	0.250	0.277	0.322	0.322	0.406	0.500	0.500	0.594	0.719	0.812	0.906	0.875	0.875
		10.13	13.67	29.12	44.26	13.41	22.36	24.70	28.55	28.55	35.64	43.39	43.39	50.95	60.71	67.76	74.69	72.42	72.42
10	250	0.134	0.165	0.365	0.500	0.165	0.250	0.307	0.365	0.365	0.500	0.500	0.594	0.719	0.844	1.000	1.125	1.000	1.000
		15.49	19.02	41.29	55.83	18.67	28.04	34.24	40.48	40.48	54.74	54.74	64.43	77.03	89.29	104.13	115.64	104.13	104.13
12	300	0.156	0.180	0.375	0.500	0.18	0.250	0.330	0.375	0.406	0.562	0.500	0.688	0.844	1.000	1.125	1.312	1.000	1.000
		21.40	24.65	50.55	66.73	24.19	33.38	43.77	49.56	53.52	73.15	65.42	88.63	107.32	125.49	139.67	160.27	125.49	125.49
14	350	0.156	0.188	0.375	0.500	0.250	0.312	0.375	0.375	0.438	0.594	0.500	0.750	0.938	1.094	1.250	1.406		
		23.53	28.28	54.62	72.16	36.71	45.61	54.57	54.57	63.44	85.05	72.09	106.13	130.85	150.79	170.21	189.11		
16	400	0.165	0.188	0.375	0.500	0.250	0.312	0.375	0.375	0.500	0.656	0.500	0.844	1.031	1.219	1.438	1.594		
		28.46	32.39	62.64	82.85	42.05	52.27	62.58	62.58	82.77	107.50	82.77	136.61	164.82	192.43	223.64	245.25		
18	450	0.165	0.188	0.375	0.500	0.250	0.312	0.438	0.375	0.562	0.750	0.500	0.938	1.156	1.375	1.562	1.781		
		32.06	36.48	70.65	94.38	47.39	58.94	82.15	70.59	104.67	138.17	93.45	170.92	207.96	244.14	274.22	308.50		
20	500	0.188	0.218	0.375	0.500	0.250	0.375	0.500	0.375	0.594	0.812	0.500	1.031	1.281	1.500	1.750	1.969		
		40.58	46.98	78.67	104.23	52.73	78.60	104.13	78.60	123.11	166.40	104.13	208.87	256.10	296.37	341.09	379.17		
22	550	0.188	0.218			0.250	0.375	0.500	0.375	-	0.872	0.500	1.125	1.375	1.625	1.875	2.125		
		44.68	51.72			58.07	86.61	114.81	86.61	-	197.41	114.81	250.81	302.88	353.61	403.00	451.06		
24	600	0.218	0.250	0.375	0.500	0.250	0.375	0.562	0.375	0.688	0.969	0.500	1.219	1.531	1.812	2.062	2.344		
		56.48	64.68	94.71	125.61	63.41	94.62	140.68	94.62	171.29	238.35	125.49	296.58	367.39	429.39	483.12	542.13		
26	650					0.312	0.500	-	0.375	-		0.500							
						85.60	136.17	-	102.63	-		136.17							
28	700					0.312	0.500	0.625	0.375	-		0.500							
						92.26	146.85	182.73	110.64	-		146.85							
30	750	0.250	0.312			0.312	0.500	0.625	0.375	-		0.500							
		81.02	100.91			98.93	157.53	196.08	118.65	-		157.53							
32	800					0.312	0.500	0.625	0.375	0.688		0.500							
						105.59	168.21	209.43	126.66	230.08		168.21							
34	850					0.312	0.500	0.625	0.375	0.688		0.500							
						112.25	178.89	222.78	134.67	244.77		178.89							
36	900					0.312	0.500	0.625	0.375	0.750		0.500							
						118.92	189.57	236.13	142.68	282.35		189.57							
38	950								0.375			0.500							
									150.69			200.25							
40	1000								0.375			0.500							
									158.70			210.93							
42	1050								0.375			0.500							
									166.71			221.61							
44	1100								0.375			0.500							
									174.72			232.29							
46	1150								0.375			0.500							
									182.73			242.97							
48	1200								0.375			0.500							
									190.74			253.65							