

管道(壁厚及重量标准)

Nominal pipe size		OD mm	5S	10S	10	20	30	STD	40S	40	60	XS	80S	80	100	120	140	160	XXS	
mm	inch																			
6	1/8	10.3		1.24 0.28				1.73 0.37	1.73 0.36	1.73 0.37		2.41 0.47	2.41 0.48	2.41 0.47						
8	1/4	13.7		1.65 0.51				2.24 0.63	2.24 0.64	2.24 0.63		3.02 0.80	3.02 0.82	3.02 0.80						
10	3/8	17.1		1.65 0.64				2.31 0.84	2.31 0.86	2.31 0.84		3.20 1.10	3.20 1.12	3.20 1.10						
15	1/2	21.3	1.65 0.82	2.11 1.01				2.77 1.27	2.77 1.30	2.77 1.27		3.73 1.62	3.73 1.65	3.73 1.62					4.78 1.95	7.47 2.55
20	3/4	26.7	1.65 1.04	2.11 1.31				2.87 1.69	2.87 1.71	2.87 1.69		3.91 2.20	3.91 2.24	3.91 2.20					5.56 2.90	7.82 3.64
25	1	33.4	1.65 1.33	2.77 2.13				3.38 2.50	3.38 2.55	3.38 2.50		4.55 3.24	4.55 3.29	4.55 3.24					6.35 4.24	9.09 5.45
32	1 1/4	42.2	1.65 1.68	2.77 2.76				3.56 3.39	3.56 3.46	3.56 3.39		4.85 4.47	4.85 4.56	4.85 4.47					6.35 5.61	9.70 7.77
40	1 1/2	48.3	1.65 1.95	2.77 3.1				3.68 4.05	3.68 4.13	3.68 4.05		5.08 5.41	5.08 5.51	5.08 5.41					7.14 7.25	10.15 9.56
50	2	60.3	1.65 2.44	2.77 4.01				3.91 5.44	3.91 5.54	3.91 5.44		5.54 7.48	5.54 7.63	5.54 7.48					8.74 11.11	11.07 13.44
65	2 1/2	73.0	2.11 3.77	3.05 5.36				5.16 8.63	5.16 8.81	5.16 8.63		7.01 11.41	7.01 11.64	7.01 11.41					9.53 14.92	14.02 20.39
80	3	88.9	2.11 4.60	3.05 6.59				5.49 11.29	5.49 11.52	5.49 11.29		7.62 15.27	7.62 15.59	7.62 15.27					11.13 21.35	15.24 27.68
90	3 1/2	101.6	2.11 5.29	3.05 7.55				5.74 13.57	5.74 13.84	5.74 13.57		8.08 18.63	8.08 19.01	8.08 18.63						
100	4	114.3	2.11 5.96	3.05 8.52				6.02 16.07	6.02 16.40	6.02 16.07		8.56 22.32	8.56 22.77	8.56 22.32		11.13 28.32			13.49 33.54	17.12 41.03
125	5	141.3	2.77 9.67	3.40 11.82				6.55 21.77	6.55 22.20	6.55 21.77		9.53 30.97	9.53 31.59	9.53 30.97		12.70 40.28			15.88 49.11	19.05 57.43
150	6	168.3	2.77 11.55	3.40 14.13				7.11 28.26	7.11 28.83	7.11 28.26		10.97 42.56	10.97 43.42	10.97 42.56		14.27 54.20			18.26 67.56	21.95 79.22
200	8	219.1	2.77 15.09	3.76 20.37	6.35 33.31	7.04 36.81	8.18 42.55	8.18 43.39	8.18 42.55	10.31 53.08	12.70 64.64	12.70 65.95	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	10	273.1	3.40 23.08	4.19 28.34	6.35 41.77	7.80 51.03	9.27 60.31	9.27 61.52	9.27 60.31	12.70 81.55	12.70 81.55	12.70 83.19	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	12	323.9	3.96 31.89	4.57 36.73	6.35 49.73	8.38 65.20	9.53 73.88	9.52 75.32	10.31 79.73	14.27 108.96	12.70 97.46	12.70 99.43	17.48 132.08	21.44 159.91	25.40 186.75	28.58 208.14	33.32 238.76	25.40 186.97		
350	14	355.6	3.96 35.06	4.78 42.14	6.35 54.69	7.92 67.90	9.53 81.33	9.53 81.33	11.13 94.55	15.09 126.71	12.70 107.39	12.70 107.39	19.05 158.10	23.83 194.96	27.79 224.65	31.75 253.56	35.71 281.70			
400	16	406.4	4.19 42.41	4.78 48.26	6.35 62.64	7.92 77.83	9.53 93.27	9.53 93.27	12.70 123.30	16.66 160.12	12.70 123.30	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	18	457.2	4.19 47.77	4.78 54.36	6.35 70.57	7.92 87.71	11.13 122.38	9.53 105.16	14.27 155.80	19.05 205.74	12.70 139.15	12.70 139.15	23.88 254.55	29.36 309.62	34.93 363.56	39.67 408.26	45.24 459.37			
500	20	508.0	4.78 60.46	5.54 70.00	6.35 78.55	9.53 117.15	12.70 155.12	9.53 117.15	15.09 183.42	20.62 247.83	12.70 155.12	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	22	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	17.48 294.25	24.61 294.25	12.70 171.09	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	24	609.6	5.54 84.16	6.35 96.37	6.35 94.53	9.53 141.12	14.27 209.64	9.53 141.12	17.48 255.41	24.61 355.26	12.70 187.06	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	26	660.4			7.92 127.36	12.70 202.72		9.53 152.87				12.70 202.72								
700	28	711.2			7.92 137.32	12.70 218.69	15.88 271.21	9.53 164.85				12.70 218.69								
750	30	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	32	812.8			7.92 157.24	12.70 250.64	15.88 312.15	9.53 188.82	17.48 342.91		12.70 250.64									
850	34	863.6			7.92 167.20	12.70 266.61	15.88 332.12	9.53 200.31	17.48 364.90		12.70 266.61									
900	36	914.4			7.92 176.96	12.70 282.27	15.88 351.70	9.53 212.56	19.05 420.40		12.70 282.27									
950	38	965.2						9.53 224.54			12.70 298.24									
1000	40	1016.0						9.53 236.53			12.70 314.22									
1050	42	1066.8						9.53 248.52			12.70 330.19									
1100	44	1117.8						9.53 260.50			12.70 346.16									
1150	46	1168.4						9.53 272.25			12.70 351.82									
1200	48	1219.2						9.53 284.24			12.70 377.79									

Contact us
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Wall Thickness = mm
Weight = Kg/m (plain end mass)
5S, 10S, 40s, 80S - ANSI B36.19

钢管壁厚:是以管子表号"Sch"表示壁厚。管子表号是管子设计压力与设计温度下材料许用应力的比值乘以1000,并经圆整后的数值。
即: Sch = P/[σ]t × 1000