



1. The carbon steel pipe: (OD IN MM – WALL THK IN MM) X (WALL THK) X 0.02466
2. The stainless steel pipe: (OD IN MM – WALL THK IN MM) X (WALL THK) X 0.02504

ASME / ANSI Pipe Schedule
SI Units
ASME / ANSI B 36.10/ B36.19

OD = mm
Wall thickness = mm
Weight = kg/m
Vol/m = m³

		Figures based on carbon steel														Figures based on austenitic steel								Shipping
Nominal pipe size	OD mm	10	20	30	STD	40	60	XS	80	100	120	140	160	XXS	5S	10S	40S	80S	Vol/ m m3					
1/8	10.30				1.73 0.37	1.73 0.37		2.41 0.47	2.41 0.47								1.24 0.28	1.73 0.37	2.41 0.47	0.0001				
1 / 4	13.70				2.24 0.63	2.24 0.63		3.02 0.80	3.02 0.80								1.65 0.49	2.24 0.63	3.02 0.80	0.0001				
3 / 8	17.10				2.31 0.84	2.31 0.84		3.20 1.10	3.20 1.10								1.65 0.63	2.31 0.84	3.20 1.10	0.0003				
1 / 2	21.30				2.77 1.27	2.77 1.27		3.73 1.62	3.73 1.62				4.78 1.95	7.47 2.55	1.65 0.80	2.11 1.00	2.77 1.27	3.73 1.62	0.0004					
3 / 4	26.70				2.87 1.69	2.87 1.69		3.91 2.20	3.91 2.20				5.56 2.90	7.82 3.64	1.65 1.02	2.11 1.28	2.87 1.69	3.91 2.20	0.0005					
1	33.40				3.38 2.50	3.38 2.50		4.55 3.24	4.55 3.24				6.35 4.24	9.09 5.45	1.65 1.29	2.77 2.09	3.38 2.50	4.55 3.24	0.0011					
1 1 / 4	42.20				3.56 3.39	3.56 3.39		4.85 4.47	4.85 4.47				6.35 5.61	9.70 7.77	1.65 1.65	2.77 2.69	3.56 3.39	4.85 4.47	0.0018					
1 1 / 2	48.30				3.68 4.05	3.68 4.05		5.08 5.41	5.08 5.41				7.14 7.25	10.15 9.56	1.65 1.90	2.77 3.11	3.68 4.05	5.08 5.41	0.0023					
2	60.30				3.91 5.44	3.91 5.44		5.54 7.48	5.54 7.48				8.74 11.11	11.07 13.44	1.65 2.39	2.77 3.93	3.91 5.54	5.54 7.48	0.0036					
2 1 / 2	73.00				5.16 8.63	5.16 8.63		7.01 11.41	7.01 11.41				9.53 14.92	14.02 20.39	2.11 3.69	3.05 5.26	5.16 8.63	7.01 11.41	0.0053					
3	88.90				5.49 11.29	5.49 11.29		7.62 15.27	7.62 15.27				11.13 21.35	15.24 27.68	2.11 4.52	3.05 6.46	5.49 11.29	7.62 15.27	0.0079					
3 1 / 2	101.60				5.74 13.57	5.74 13.57		8.08 18.63	8.08 18.63							2.11 5.18	3.05 7.41	5.74 13.57	8.08 18.64	0.0103				
4	114.30				6.02 16.08	6.02 16.08		8.56 22.32	8.56 22.32		11.13 28.32		13.49 33.54	17.12 41.03	2.11 5.84	3.05 8.37	6.02 16.08	8.56 22.32	0.0130					
5	141.30				6.55 21.77	6.55 21.77		9.53 30.97	9.53 30.97		12.70 40.28		15.88 49.12	19.05 57.43	2.77 9.46	3.40 11.56	6.55 21.77	9.53 31.97	0.0199					
6	168.30				7.11 28.26	7.11 28.26		10.97 42.56	10.97 42.56		14.27 54.21		18.26 67.57	21.95 79.22	2.77 11.31	3.40 13.83	7.11 28.26	10.97 42.56	0.028					
8	219.10		6.35 33.32	7.04 36.82	8.18 42.55	8.18 42.55	10.31 53.09	12.70 64.64	12.70 64.64	15.09 75.92	18.26 90.44	20.62 100.93	23.01 111.27	22.23 107.93	2.77 14.78	3.76 19.97	8.18 42.55	12.70 64.64	0.048					
10	273.10		6.35 41.76	7.80 51.01	9.27 60.29	9.27 60.29	12.70 81.53	12.70 81.53	15.09 95.98	18.26 114.71	21.44 133.01	25.40 155.10	28.58 172.27	25.40 155.10	3.40 22.61	4.19 27.79	9.27 60.31	12.70 81.56	0.074					
12	323.90		6.35 49.71	8.38 65.19	9.53 73.86	10.31 79.71	14.27 108.93	12.70 97.44	17.48 132.05	21.44 159.87	25.40 186.92	28.58 208.08	33.32 238.69	25.40 186.92	3.96 31.25	4.57 35.99	9.53 73.88	12.70 97.47	0.104					
14	355.60	6.35 54.69	7.92 67.91	9.53 81.33	9.53 81.33	11.13 94.55	15.09 126.72	12.70 107.40	23.83 158.11	27.79 194.98	31.75 224.66	35.71 253.58	35.71 281.72		3.96 34.34	4.78 41.36	9.53 81.33	12.70 107.40	0.126					
16	406.40	6.35 62.65	7.92 77.83	9.53 93.27	9.53 93.27	12.70 123.31	16.66 160.13	12.70 123.31	21.54 203.54	26.19 245.57	30.96 286.66	36.53 333.21	40.49 365.38		4.19 41.56	4.78 47.34	9.53 93.27	12.70 123.31	0.165					
18	457.00	6.35 70.57	7.92 87.71	11.13 122.38	9.53 105.17	14.27 155.81	19.05 205.75	12.70 139.16	23.83 254.57	29.36 309.64	34.93 363.58	39.67 408.28	45.24 459.39		4.19 46.79	4.78 53.31	9.53 105.24	12.70 139.33	0.208					
20	508.00	6.35 78.56	9.53 117.15	12.70 155.13	9.53 117.15	15.09 183.43	20.62 247.84	12.70 155.13	26.19 311.19	32.54 381.55	38.10 441.52	44.45 508.15	50.01 564.85		4.78 59.32	5.54 68.65	9.53 117.15	12.70 155.13	0.258					
22	559.00	6.35 86.55	9.53 129.14	12.70 171.10	9.53 129.14		22.23 294.27	12.70 171.10	28.58 373.85	34.93 451.45	41.28 527.05	47.63 600.67	53.98 672.30		4.78 65.33	5.54 75.62			0.312					
24	610.00		7.92 94.53	9.53 141.12	14.27 209.65	9.53 141.12	17.48 255.43	24.61 355.28	12.70 187.07	30.96 442.11	38.89 547.74	46.02 640.07	52.37 720.19	59.54 808.27		5.54 82.58	6.35 94.53	9.53 141.12	12.70 187.07	0.372				
26	660.00		7.92 127.36	12.70 202.74		9.53 152.88			12.70 202.74										0.435					
28	711.00		7.92 137.32	12.70 218.71	15.88 272.23	9.53 164.86			12.70 218.71										0.505					
30	762.00		7.92 147.29	12.70 234.68	15.88 292.20	9.53 176.85			12.70 234.68							6.35 118.34	7.92 147.29		0.580					
32	813.00		7.92 157.25	12.70 250.65	15.88 312.17	9.53 188.83	17.48 342.94		12.70 250.65										0.660					
34	864.00		7.92 167.21	12.70 266.63	15.88 332.14	9.53 200.82	17.48 364.92		12.70 266.63										0.746					
36	914.00		7.92 176.97	12.70 282.29	15.88 351.73	9.53 212.57	19.05 420.45		12.70 282.29										0.835					
38	965.00				9.53 224.56				12.70 298.26										0.931					
40	1016.00				9.53 236.54				12.70 314.23										1.032					
42	1067.00				9.53 248.53				12.70 330.21										1.138					
44	1118.00				9.53 260.52				12.70 346.18										1.249					
46	1168.00				9.53 272.27				12.70 361.84										1.364					
48	1219.00				9.53 284.25				12.70 377.81										1.485					