



PIPE SCHEDULE

2022

S.I UNITS METRIC

Dimensions and Weights (Masses) of Welded and Seamless Wrought Steel Pipe

SIZE			PIPE SCHEDULE														STAINLESS STEEL					Shipping
NPS (inches)	DN	OD (mm)	5	10	20	30	STD	40	60	XS	80	100	120	140	160	XXS	5S	10S	40S	80S	160S	Vol/m (m ³)
1/8"	6	10.29		1.24 0.28		1.45 0.32	1.73 0.37	1.73 0.37		2.41 0.47	2.41 0.47				3.15 0.55	4.83 0.65		1.24 0.28	1.73 0.37	2.41 0.47	3.15 0.55	0.0001
1/4"	8	13.72		1.65 0.49		1.85 0.54	2.24 0.63	2.24 0.63		3.02 0.80	3.02 0.80				3.68 0.91	6.05 1.14		1.65 0.49	2.24 0.63	3.02 0.80	3.68 0.91	0.0002
3/8"	10	17.14		1.65 0.63		1.85 0.70	2.31 0.84	2.31 0.84		3.20 1.10	3.20 1.10				4.01 1.30	6.40 1.70		1.65 0.63	2.31 0.84	3.20 1.10	4.01 1.30	0.0003
1/2"	15	21.34	1.65 0.80	2.11 1.00		2.14 1.13	2.77 1.27	2.77 1.27		3.73 1.62	3.73 1.62				4.78 1.95	7.47 2.56	1.65 0.80	2.11 1.00	2.77 1.27	3.73 1.62	4.78 1.95	0.0004
3/4"	20	26.67	1.65 1.02	2.11 1.28		2.41 1.44	2.87 1.68	2.87 1.68		3.91 2.19	3.91 2.19				5.56 2.89	7.82 3.64	1.65 1.02	2.11 1.28	2.87 1.68	3.91 2.19	5.56 2.89	0.0007
1"	25	33.40	1.65 1.29	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	1.65 1.29	2.77 2.09	3.38 2.50	4.55 3.24	6.35 4.24	0.0011
1,1/4"	32	42.16	1.65 1.65	2.77 2.69		2.97 2.87	3.56 3.39	3.56 3.39		4.85 4.46	4.85 4.46				6.35 5.61	9.70 7.76	1.65 1.65	2.77 2.69	3.56 3.39	4.85 4.46	6.35 5.61	0.0018
1,1/2"	40	48.26	1.65 1.90	2.77 3.11		3.18 3.54	3.68 4.05	3.68 4.05		5.08 5.41	5.08 5.41				7.14 7.24	10.16 9.55	1.65 1.90	2.77 3.11	3.68 4.05	5.08 5.41	7.14 7.24	0.0023
2"	50	60.32	1.65 2.39	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 11.12	11.07 13.45	1.65 2.39	2.77 3.93	3.91 5.44	5.54 7.48	8.74 11.12	0.0036
2,1/2"	65	73.02	2.11 3.69	3.05 5.26		4.78 8.04	5.16 8.64	5.16 8.64		7.01 11.41	7.01 11.41				9.52 14.91	14.02 20.40	2.11 3.69	3.05 5.26	5.16 8.64	7.01 11.41	9.52 14.91	0.0053
3"	80	88.90	2.11 4.52	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	2.11 4.52	3.05 6.46	5.49 11.29	7.62 15.27	11.13 21.35	0.0079
3,1/2"	90	101.60	2.11 5.18	3.05 7.41		4.78 11.41	5.74 13.57	5.74 13.57		8.08 18.64	8.08 18.64						2.11 5.18	3.05 7.41	5.74 13.57	8.08 18.64		0.0103
4"	100	114.30	2.11 5.84	3.05 8.37		4.78 12.91	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	13.49 33.54	0.0130
5"	125	141.30	2.77 9.46	3.40 11.56			6.55 21.77	6.55 21.77		9.52 30.94	9.52 30.94		12.70 40.28		15.88 49.12	19.05 57.43	2.77 9.46	3.40 11.56	6.55 21.77	9.52 30.94	15.88 49.12	0.0199
6"	150	168.28	2.77 11.13	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 79.21	2.77 11.13	3.40 13.83	7.11 28.26	10.97 42.56	18.26 67.56	0.028
8"	200	219.08	2.78 14.78	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 75.91	18.26 90.43	20.62 100.92	23.01 111.26	22.22 107.88	2.77 14.78	3.76 19.97	8.18 42.55	12.70 64.64		0.048
10"	250	273.00	3.40 22.61	4.19 27.78	6.35 41.76	7.80 51.03	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 27.78	9.27 60.29	12.70 81.53		0.074
12"	300	323.80	3.96 31.24	4.57 35.98	6.35 49.71	8.38 65.19	9.52 73.79	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 31.24	4.57 35.98	9.52 73.79	12.70 97.44		0.104
14"	350	355.60	3.96 34.34	6.35 54.69	7.92 67.91	9.52 81.25	9.52 81.25	11.13 94.55	15.09 126.72	12.70 107.40	19.05 158.11	23.83 194.98	27.79 224.66	31.75 253.58	35.71 281.72		3.96 34.34	4.78 41.36	9.52 81.25	12.70 107.40		0.126
16"	400	406.40	4.19 41.56	6.35 62.65	7.92 77.83	9.52 93.18	9.52 93.18	12.70 123.31	16.66 160.13	12.70 123.31	21.44 203.54	26.19 245.57	30.96 286.66	36.53 333.21	40.49 365.38		4.19 41.56	4.78 47.34	9.52 93.18	12.70 123.31		0.165
18"	450	457.20	4.19 46.81	6.35 70.60	7.92 87.75	11.13 122.44	9.52 105.11	14.27 155.88	19.05 205.84	12.70 139.22	23.88 254.68	29.36 309.78	34.92 363.66	39.67 408.48	45.24 459.62		4.19 46.81	4.78 53.33	9.52 105.17	12.70 139.16		0.208
20"	500	508.00	4.78 59.32	6.35 78.56	9.52 117.03	12.70 155.13	9.52 117.03	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	9.52 117.03	12.70 155.13		0.258
22"	550	558.80	4.78 65.31	6.35 86.51	9.52 128.96	12.70 171.04	9.52 128.96		22.23 294.03	12.70 171.04	28.58 373.71	34.92 451.15	41.28 526.85	47.62 600.32	53.98 672.03		4.78 65.31	5.54 75.59				0.312
24"	600	609.60	5.54 82.53	6.35 94.47	9.52 140.89	14.27 209.51	9.52 140.89	17.48 255.25	24.61 355.04	12.70 186.95	30.96 441.80	38.89 547.36	46.02 639.62	52.37 719.68	59.54 807.68		5.54 82.53	6.35 94.47	9.52 140.89	12.70 186.95		0.372
26"	650	660.40		7.92 127.44	12.70 202.86		9.52 152.81			12.70 202.86												0.435
28"	700	711.20		7.92 137.36	12.70 218.77	15.88 272.30	9.52 164.74			12.70 218.77												0.505
30"	750	762.00	6.35 118.34	7.92 147.29	12.70 234.68	15.88 292.20	9.52 176.67			12.70 234.68							6.35 118.34	7.92 147.29				0.580
32"	800	813.00		7.92 157.25	12.70 250.65	15.88 312.17	9.52 188.64	17.48 342.94		12.70 250.65												0.660
34"	850	864.00		7.92 167.21	12.70 266.63	15.88 332.14	9.52 200.61	17.48 364.92		12.70 266.63												0.746
36"	900	914.00		7.92 176.97	12.70 282.29	15.88 351.73	9.52 212.35	19.05 420.45		12.70 282.29												0.835
38"	950	965.00					9.52 224.33			12.70 298.26												0.931
40"	1000	1016.00					9.52 236.30			12.70 314.23												1.032
42"	1050	1067.00					9.52 248.27			12.70 330.21												1.138
44"	1100	1118.00					9.52 260.25			12.70 346.18												1.249
46"	1150	1168.00					9.52 271.99			12.70 351.84												1.364
48"	1200	1219.00					9.52 283.96			12.70 377.81												1.485

Weights:
The nominal plain end mass, in kilograms per meter, is calculated using the following equation:

$$M_{pe} = 0.0246615(D - t)t$$

Where:
D: outside diameter to the nearest 0.01 mm for ON 200 and smaller, and to the nearest 0.1 mm for ON 250 and larger (the symbol Dis used for 0.0. only in mathematical equations or formulas)

M_{pe}: nominal plain end mass, rounded to the nearest

t: 0.01 kg/m specified wall thickness, rounded to the nearest 0.01 mm

7.11 Wall Thickness (mm)
28.26 Weight: kg / m

LEGEND Reference: ASME B36.10M & ASME B36.19M ASME: The American Society of Mechanical Engineers N.P.S.: Nominal Pipe Size
O.D.: Outside Diameter STD: Standard XS: Extra Strong XXS: Double Extra Strong KG: Kilo Gram M: Meter MM: Millimeter DN: Diameter Nominal VOL: Volume