

# Dimensions and weights of carbon and alloy steel pipe

ANSI (ATSM) Specifications (mm and kg/m) - dimensions to ASME B36.10M

Nominal Bore ins/mm	Outside Diameter mm	Wall Thickness /Mass	10	20	30	Std	40	60	XS	80	100	120	140	160	XXS
1/8" 6	10.3	mm kg/m				1.73 0.37	1.73 0.37		2.41 0.47	2.41 0.47					
1/4" 8	13.7	mm kg/m				2.24 0.63	2.24 0.63		3.02 0.80	3.02 0.80					
3/8" 10	17.1	mm kg/m				2.31 0.84	2.31 0.84		3.20 1.10	3.20 1.10					
1/2" 15	21.3	mm kg/m				2.77 1.27	2.77 1.27		3.73 1.62	3.73 1.62				4.78 1.95	7.47 2.55
3/4" 20	26.7	mm kg/m				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" 25	33.4	mm kg/m				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 1/4" 32	42.2	mm kg/m				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 1/2" 40	48.3	mm kg/m				3.68 4.05	3.68 4.05		5.08 5.41	5.08 5.41				7.14 7.25	10.15 9.55
2" 50	60.3	mm kg/m				3.91 5.44	3.91 5.44		5.54 7.48	5.54 7.48				8.74 11.1	11.07 13.4
2 1/2" 65	73.0	mm kg/m				5.16 8.63	5.16 8.63		7.01 11.4	7.01 11.4				9.52 14.9	14.02 20.4
3" 80	88.9	mm kg/m				5.49 11.3	5.49 11.3		7.62 15.3	7.62 15.3				11.13 21.4	15.24 27.7
3 1/2" 90	101.6	mm kg/m				5.74 13.6	5.74 13.6		8.08 18.6	8.08 18.6					
4" 100	114.3	mm kg/m				6.02 16.1	6.02 16.1		8.56 22.3	8.56 22.3		11.13 28.3		13.49 33.5	17.12 41.0
5" 125	141.3	mm kg/m				6.55 21.8	6.55 21.8		9.52 31.0	9.52 31.0		12.70 40.3		15.88 49.1	19.05 57.4
6" 150	168.3	mm kg/m				7.11 28.3	7.11 28.3		10.97 42.6	10.97 42.6		14.27 54.2		18.26 67.6	21.95 79.2
8" 200	219.1	mm kg/m		6.35 33.3	7.04 36.8	8.18 42.6	8.18 42.6	10.31 53.1	12.70 64.6	12.70 64.6	15.09 75.9	18.26 90.4	20.62 100.9	23.01 111.3	22.23 107.9
10" 250	273.0	mm kg/m		6.35 41.8	7.80 51.0	9.27 60.3	9.27 60.3	12.70 81.5	12.70 81.5	15.09 96.0	18.26 114.7	21.44 133.0	25.40 155.1	28.58 172.3	25.40 155.1
12" 300	323.8	mm kg/m		6.35 49.7	8.38 65.2	9.52 73.9	10.31 79.7	14.27 108.9	12.70 97.4	17.48 132.1	21.44 159.9	25.40 186.9	28.58 208.1	33.32 238.7	25.40 186.9
14" 350	355.6	mm kg/m	6.35 54.7	7.92 67.9	9.52 81.3	9.52 81.3	11.13 94.6	15.09 126.7	12.70 107.4	19.05 158.1	23.83 195.0	27.79 224.7	31.75 253.6	35.71 281.7	
16" 400	406.4	mm kg/m	6.35 62.7	7.92 77.8	9.52 93.3	9.52 93.3	12.70 123.3	16.66 160.1	12.70 123.3	21.44 203.5	26.19 245.6	30.96 286.7	36.53 333.2	40.49 365.4	
18" 450	457	mm kg/m	6.35 70.6	7.92 87.7	11.13 122.4	9.52 105.2	14.27 155.8	19.05 205.8	12.70 139.2	23.83 254.6	29.36 309.6	34.93 363.6	39.67 408.3	45.24 459.4	
20" 500	508	mm kg/m	6.35 78.6	9.52 117.2	12.70 155.1	9.52 117.2	15.09 183.4	20.62 247.8	12.70 155.1	26.19 311.2	32.54 381.6	38.10 441.5	44.45 508.2	50.01 564.9	
22" 550	559	mm kg/m	6.35 86.6	9.52 129.1	12.70 171.1	9.52 129.1	15.88 213.0	22.23 294.3	12.70 171.1	28.58 373.9	34.93 451.5	41.28 527.1	47.63 600.7	53.98 672.3	
24" 600	610	mm kg/m	6.35 94.5	9.52 141.1	14.27 209.7	9.52 141.1	17.48 255.4	24.61 355.3	12.70 187.1	30.96 442.1	38.89 547.7	46.02 640.1	52.37 720.2	59.54 808.3	
26" 650	660	mm kg/m	7.92 127.4	12.70 202.7		9.52 152.9			12.70 202.7						