

Carbon Steel Pipe – Dimensions

Nominal size	OD mm	Welded & Seamless Carbon Steel Pipe to ASME B36.10M All dimensions are in mm												Structural Steel Hollow Sections to AS/NZ S1163 Grade C350L0											
		Schedule												Wall Thickness in mm											
DN	NPS	5	10	20	30	40	Std	60	80	XS	100	120	140	160	XXS	4.8	5.5	6.0	6.4	7.1	8.2	9.3	9.5	12.7	
6	1/8		1.24		1.45	1.73	1.73		2.41	2.41															
8	3/8		1.65		1.85	2.24	2.24		3.02	3.02															
10	1/2		1.65		1.85	2.31	2.31		3.20	3.20															
15	3/4	1.65	2.11		2.41	2.77	2.77		3.73	3.73				4.78	7.47										
20	1	1.65	2.11		2.41	2.87	2.87		4.55	4.55				5.56	7.82										
25	1 1/4	1.65	2.77		2.90	3.38	3.38		4.85	4.85				6.35	9.09										
32	1 1/2	1.65	2.77		2.97	3.56	3.56		4.85	4.85				6.35	9.70										
40	2	1.65	2.77		3.18	3.68	3.68		5.08	5.08				7.14	10.15										
50	2 1/2	1.65	2.77		3.18	3.91	3.91		5.54	5.54				8.74	11.07										
65	3	2.11	3.05		4.78	5.16	5.16		7.01	7.01				9.53	14.02										
80	3 1/2	2.11	3.05		4.78	5.49	5.49		7.62	7.62				11.13	15.24	✓									
90	4	2.11	3.05		4.78	5.74	5.74		8.08	8.08															
100	4 1/2	2.11	3.05		4.78	6.02	6.02		8.56	8.56		11.13		13.49	17.12	✓									
125	5	2.77	3.40			6.55	6.55		9.53	9.53		12.70		15.88	19.05										
150	6	2.77	3.40			7.11	7.11		10.97	10.97		14.27		18.26	21.95	✓									
200	8	2.77	3.76	6.35	7.04	8.18	8.18	10.31	12.70	12.70	15.09	18.26	20.62	23.01	22.23	✓								✓	
250	10	3.40	4.19	6.35	7.80	9.27	9.27	12.70	15.09	12.70	18.26	21.44	25.40	28.58	25.40	✓								✓	
300	12	3.96	4.57	6.35	8.38	10.31	9.53	14.27	17.48	12.70	21.44	25.40	28.58	33.32	25.40									✓	
350	14	3.96	6.35	7.92	9.53	11.13	9.53	15.09	19.05	12.70	23.83	27.79	31.75	36.71										✓	
400	16	4.19	6.35	7.92	9.53	12.70	9.53	16.66	21.44	12.70	26.19	30.96	36.53	40.49										✓	
450	18	4.57	6.35	7.92	11.13	14.27	9.53	19.05	23.83	12.70	29.36	34.93	39.67	45.24										✓	
500	20	4.78	6.35	9.53	12.70	15.09	9.53	20.62	26.19	12.70	32.54	38.10	44.45	50.01										✓	
550	22	4.78	6.35	9.53	12.70		9.53	22.23	28.58	12.70	34.93	41.28	47.63	53.98											
600	24	5.54	6.35	9.53	14.27	17.48	9.53	24.61	30.96	12.70	38.89	46.02	52.37	59.54											
650	26		7.92	12.70			9.53			12.70															
700	28		7.92	12.70	15.88		9.53			12.70															
750	30	6.35	7.92	12.70	15.88		9.53			12.70															
800	32		7.92	12.70	15.88	17.48	9.53			12.70															
850	34		7.92	12.70	15.88	17.48	9.53			12.70															
900	36		7.92	12.70	15.88	19.05	9.53			12.70															
950	38						9.53			12.70															
1000	40						9.53			12.70															
1050	42						9.53			12.70															
1100	44						9.53			12.70															
1150	46						9.53			12.70															
1200	48						9.53			12.70															

**Note 1:** For dimensional tolerances refer to ASTM A53M or A106M  
This table shows common sizes. Other wall thicknesses and larger diameter pipes are available subject to enquiry. Refer to ASME B36.10M for possible sizes.

Carbon Steel Pipe – Weights

Nominal size	OD	Welded & Seamless Carbon Steel Pipe to ASME B36.10M (kg/m)																	Structural Steel Hollow Sections to AS/NZS1163 Grade C350 (kg/m)									
		Schedule																	Wall Thickness in mm									
DN	NPS	mm	5	10	20	30	40	Std	60	80	XS	100	120	140	160	XXS	4.8	5.5	6.0	6.4	7.1	8.2	9.3	9.5	12.7			
6	1/8	10.3		0.28		0.32	0.37	0.37		0.47	0.47																	
8	1/4	13.7		0.49		0.54	0.63	0.63		0.80	0.80																	
10	3/8	17.1		0.63		0.70	0.84	0.84		1.10	1.10																	
15	1/2	21.3	0.80	1.00		1.12	1.27	1.27		1.62	1.62			1.95	2.55													
20	3/4	26.7	1.03	1.28		1.44	1.69	1.69		2.20	2.20			2.90	3.64													
25	1	33.4	1.29	2.09		2.18	2.50	2.50		3.24	3.24			4.24	5.45													
32	1 1/4	42.2	1.65	2.69		2.87	3.39	3.39		4.47	4.47			5.61	7.77													
40	1 1/2	48.3	1.90	3.11		3.53	4.05	4.05		5.41	5.41			7.25	9.55													
50	2	60.3	2.39	3.93		4.48	5.44	5.44		7.48	7.48			11.11	13.44													
65	2 1/2	73.0	3.69	5.26		8.04	8.63	8.63		11.41	11.41			14.92	20.39													
80	3	88.9	4.52	6.46		9.92	11.29	11.29		15.27	15.27			21.35	27.68		10.0	11.3										
90	3 1/2	101.6	5.18	7.41		11.41	13.57	13.57		18.64	18.64																	
100	4	114.3	5.84	8.37		12.91	16.08	16.08		22.32	22.32		28.32		33.54	41.03	13.0	16.0										
125	5	141.3	9.46	11.56			21.77	21.77		30.97	30.97		40.28		49.12	57.43												
150	6	168.3	11.31	13.83			28.26	28.26		42.56	42.56		54.21		67.57	79.22	19.4											
200	8	219.1	14.78	19.97		33.32	36.82	42.55	53.09	64.64	64.64	75.92	90.44	100.93	111.27	107.93	25.4									64.6		
250	10	273.0	22.51	27.78		41.76	51.01	60.29	81.53	95.98	81.53	114.71	133.01	155.10	172.27	155.10	31.8									81.5		
300	12	323.8	31.24	36.00		49.73	65.20	79.73	108.96	132.08	97.43	159.91	186.97	208.14	238.76	186.97										97.5		
350	14	355.6	34.34	54.69		67.90	81.33	94.55	126.71	158.10	107.39	194.96	224.65	263.56	281.70											107.0		
400	16	406.4	41.56	62.64		77.83	93.27	123.30	160.12	203.53	123.30	245.56	286.64	333.19	365.38											123.0		
450	18	457	46.79	70.57		87.71	122.38	155.80	205.74	254.55	139.15	309.62	363.56	408.26	459.37											139.0		
500	20	508	59.32	78.55		117.15	155.12	183.42	247.83	311.17	155.12	381.53	441.49	508.15	564.85													
550	22	559	65.33	86.54		129.13	171.09		294.25	373.83	171.09	451.42	527.02	600.63	672.26													
600	24	610	82.58	94.53		141.12	209.64	255.41	355.26	442.08	187.06	547.71	640.03	720.15	808.22													
650	26	660		127.36		202.72			152.87																			
700	28	711		137.32		218.69			164.85																			
750	30	762		147.28		234.67			176.84																			
800	32	813		157.24		250.64			188.82																			
850	34	864		167.20		266.61			200.82																			
900	36	914		176.96		282.27			212.56																			
950	38	965				351.70			224.54																			
1000	40	1016							236.53																			
1050	42	1067							248.52																			
1100	44	1118							260.50																			
1150	46	1168							272.25																			
1200	48	1219							284.24																			

**Note1:** All weights are theoretical and approximate  
**Note2:** Formula for circular steel pipe kilograms/metre M = (D-t) x 0.02466  
 This table shows common sizes. Other wall thicknesses and larger diameter pipes are available subject to enquiry. Refer to ASME B36.10M for possible sizes.