Printed October 2002

CARBON STEEL PIPE • Dimensions

Nominal size		OD	Welded & Seamless Carbon Steel Pipe to ASME B36.10M All dimensions are in mm													Structural Steel Hollow Sections to AS1163 Grade C350								
DN	NPS	mm	Schedule													Wall Thickness in mm								
			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	1.24		1.45	1.73	1.73		2.41	2.41														
8	1/4	13.7	1.65		1.85	2.24	2.24		3.02	3.02														
10	3/8	17.1	1.65		1.85	2.31	2.31		3.20	3.20														
15	1/2	21.3	2.11		2.41	2.77	2.77		3.73	3.73				4.78	7.47									
20	3/4	26.7	2.11		2.41	2.87	2.87			3.91				5.56	7.82									
25	1	33.4	2.77		2.90	3.38	3.38		4.55	4.55				6.35	9.09									
32	1 1/4	42.2	2.77		2.97	3.56	3.56		4.85	4.85				6.35	9.70									
40	1 1/2	48.3	2.77		3.18	3.68	3.68		5.08	5.08				7.14	10.15									
50	2	60.3	2.77		3.18	3.91	3.91		5.54	5.54				8.74	11.07									
65	2 1/2	73.0	3.05		4.78	5.16	5.16		7.01	7.01				9.53	14.02									
80	3	88.9	3.05		4.78	5.49	5.49		7.62	7.62				11.13	15.24	✓	✓							
90	3 1/2	101.6	3.05		4.78	5.74	5.74		8.08	8.08														
100	4	114.3	3.05		4.78	6.02	6.02		8.56	8.56		11.13		13.49	17.12	✓		✓						
125	5	141.3	3.40			6.55	6.55		9.53	9.53		12.70		15.88	19.05									
150	6	168.3	3.40			7.11	7.11		10.97	10.97		14.27		18.26	21.95	✓			✓	✓				
200	8	219.1	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	273.0	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	323.8	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	355.6	6.35	7.92	9.53	11.13	9.53	15.09	19.05	12.70	23.83	27.79	31.75	35.71					✓				✓	✓
400	16	406.4	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	457	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	508	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	559	6.35	9.53	12.70		9.53	22.23	28.58	12.70	34.93	41.28	47.63	53.98										
600	24	610	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	660	7.92	12.70			9.53			12.70														
700	28	711	7.92	12.70	15.88		9.53			12.70														
750	30	762	7.92	12.70	15.88		9.53			12.70														
800	32	813	7.92	12.70	15.88	17.48	9.53			12.70														
850	34	864	7.92	12.70	15.88	17.48	9.53			12.70														
900	36	914	7.92	12.70	15.88	19.05	9.53			12.70														
950	38	965					9.53			12.70														
1000	40	1016					9.53			12.70														
1050	42	1067					9.53			12.70														
1100	44	1118					9.53			12.70														
1150	46	1168					9.53			12.70														
1200	48	1219					9.53			12.70														

Note 1: For dimensional tolerances refer to ASME B36.10M

Equivalent sizes shown in API Specification 5L

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CARBON STEEL PIPE • Weights

Nominal size		OD	Welded & Seamless Carbon Steel Pipe to ASME B36.10M All weights are in kg/m													Structural Steel Hollow Sections to AS1163 All weights are in kg/m								
			Schedule													Wall Thickness in mm								
DN	NPS	mm	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	1.00		1.12	1.27	1.27		1.62	1.62				1.95	2.55									
20	3/4	26.7	1.28		1.44	1.69	1.69		2.20	2.20				2.90	3.64									
25	1	33.4	2.09		2.18	2.50	2.50		3.24	3.24				4.24	5.45									
32	1 1/4	42.2	2.70		2.87	3.39	3.39		4.47	4.47				5.61	7.77									
40	1 1/2	48.3	3.11		3.53	4.05	4.05		5.41	5.41				7.25	9.56									
50	2	60.3	3.93		4.48	5.44	5.44		7.48	7.48				11.11	13.44									
65	2 1/2	73.0	5.26		8.04	8.63	8.63		11.41	11.41				14.92	20.39									
80	3	88.9	6.45		9.92	11.29	11.29		15.27	15.27				21.35	27.67	10.0	11.3							
90	3 1/2	101.6	7.40		11.41	13.57	13.57		18.63	18.63														
100	4	114.3	8.36		12.91	16.07	16.07		22.32	22.32		28.32		33.54	41.03	13.0		16.0						
125	5	141.3	11.57			21.77	21.77		30.97	30.97		40.28		49.11	57.43									
150	6	168.3	13.84			28.26	28.26		42.56	42.56		54.20		67.56	79.22	19.4			25.6	28.2				
200	8	219.1	19.96	33.31	36.81	42.55	42.55	53.08	64.64	64.64	75.92	90.44	100.92	111.27	107.92	25.4			33.6		42.6			64.6
250	10	273.0	27.78	41.77	51.03	60.31	60.31	81.55	96.01	81.55	114.75	133.06	155.15	172.33	155.15	31.8			42.1			60.5		81.5
300	12	323.8	36.00	49.73	65.20	79.73	73.88	108.96	132.08	186.97	159.91	186.97	208.14	238.76	186.97				50.1				73.7	97.5
350	14	355.6	54.69	67.90	81.33	94.55	81.33	126.71	158.10	107.39	194.96	224.65	253.56	281.70					55.1				81.1	107.0
400	16	406.4	62.64	77.83	93.27	123.30	93.27	160.12	203.53	123.30	245.56	286.64	333.19	365.35					63.1				93.0	123.0
450	18	457	70.57	87.71	122.38	155.80	105.16	205.74	254.55	139.15	309.62	363.56	408.26	459.37					71.1				105.0	139.0
500	20	508	78.55	117.15	155.12	183.42	117.15	247.83	311.17	155.12	381.53	441.49	508.11	564.81										
550	22	559	86.54	129.13	171.09		129.13	294.25	373.83	171.09	451.42	527.02	600.63	672.26										
600	24	610	94.53	141.12	209.64	255.41	141.12	355.26	442.08	187.06	547.71	640.03	720.15	808.22										
650	26	660	127.36	202.72			152.87			202.72														
700	28	711	137.32	218.69	271.21		164.85			218.69														
750	30	762	147.28	234.67	292.18		176.84			234.67														
800	32	813	157.24	250.64	312.15	342.91	188.82			250.64														
850	34	864	167.20	266.61	332.12	364.90	200.31			266.61														
900	36	914	176.96	282.27	351.70	420.42	212.56			282.27														
950	38	965					224.54			298.24														
1000	40	1016					236.53			314.22														
1050	42	1067					248.52			330.19														
1100	44	1118					260.50			346.16														
1150	46	1168					272.25			351.82														
1200	48	1219					284.24			377.79														

Note 1: All weights are theoretical and approximate

Note 2: Formula for circular steel pipe kilograms/metre M = (D-t) t x 0.02466

Equivalent sizes shown in API Specification 5L

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