

MS ROUND PIPE

CHS WEIGHT TABLE

Nominal Bore	Outside Diameter	Thickness	Weight	Area of Cross Section	Moment of Inertia	Section Modulus	Radius of Gyration	Outer Surface Area/M	Nominal Length per tonne
MM	MM	MM	Kg/Mtr	CM^2	CM^4	CM^3	CM	Cm^2 / M	M
25	33.7	2.6	1.99	2.54	3.09	1.84	1.10	1059	501.3
		3.2	2.41	3.07	3.61	2.14	1.08		415.3
		4.0	2.93	3.73	4.19	2.49	1.06		341.2
32	42.4	2.6	2.55	3.25	6.47	3.05	1.41	1332	391.7
		3.2	3.09	3.94	7.62	3.60	1.39		323.1
		4.0	3.79	4.83	8.99	4.24	1.36		263.9
40	48.3	2.9	3.25	4.14	3.36	1.99	0.90	1517	307.9
		3.2	3.56	4.54	3.61	2.14	0.89		280.9
		4.0	4.37	5.57	4.19	2.49	0.87		228.7
50	60.3	2.9	4.11	5.23	21.60	7.16	2.03	1895	243.5
		3.6	5.04	6.42	25.88	8.59	2.01		198.6
		4.5	6.19	7.89	30.91	10.25	1.98		161.4
		4.8	6.57	8.37	32.48	10.77	1.97		152.1
65	76.1	3.2	5.76	7.33	48.80	12.82	2.58	2391	173.8
		3.6	6.44	8.20	54.03	14.20	2.57		155.3
		4.5	7.95	10.13	65.15	17.12	2.54		125.8
		4.8	8.44	10.76	68.66	18.04	2.53		118.4
80	88.9	3.2	6.77	8.62	79.24	17.83	3.03	2793	147.8
		4.0	8.38	10.67	96.38	21.68	3.00		119.4
		4.8	9.96	12.69	112.53	25.32	2.98		100.4
		5.4	11.12	14.17	124.02	27.90	2.96		89.9
		6.0	12.27	15.63	135.00	30.37	2.94		81.5
		8.0	15.97	20.34	168.03	37.80	2.87		62.6
100.0	114.3	3.6	9.83	12.52	192.06	33.61	3.92	3591	101.7
		4.5	12.19	15.53	234.41	41.02	3.89		82.0
		4.8	12.97	16.52	248.06	43.40	3.88		77.1
		6.0	16.03	20.42	300.33	52.55	3.83		62.4
		8.0	20.98	26.73	379.64	66.43	3.77		47.7
		10.0	25.73	32.78	449.84	78.71	3.70		38.9
115	127	3.2	9.77	12.45	238.69	37.59	4.38	3990	102.3
		3.6	10.96	13.96	265.98	41.89	4.36		91.2
		4.0	12.14	15.46	292.73	46.10	4.35		82.4
		4.8	14.47	18.43	344.63	54.27	4.32		69.1
		5.4	16.20	20.64	382.19	60.19	4.30		61.7
		6.0	17.91	22.82	418.61	65.92	4.28		55.8
		8.0	23.49	29.92	532.02	83.78	4.22		42.6
125	139.7	10.0	28.87	36.77	633.80	99.81	4.15	4389	34.6
		4.5	15.01	19.12	437.38	62.62	4.78		66.6
		4.8	15.98	20.35	463.51	66.36	4.77		62.6
		5.4	17.89	22.79	514.70	73.69	4.75		55.9
		6.0	19.79	25.21	564.49	80.81	4.73		50.5
		8.0	25.99	33.11	720.58	103.16	4.66		38.5
150	165.1	10.0	32.00	40.76	862.24	123.44	4.60	5187	31.3
		4.5	15.01	19.12	437.38	62.62	4.78		66.6
		4.8	18.98	24.18	777.44	94.18	5.67		52.7
		5.4	21.28	27.10	865.05	104.79	5.65		47.0
150	168.3	6.0	23.55	30.00	950.63	115.16	5.63	5287	42.5
		4.5	18.19	23.17	777.53	92.40	5.79		55.0
		4.8	19.36	24.67	824.90	98.03	5.78		51.6
		5.4	21.70	27.65	918.05	109.10	5.76		46.1
		6.0	24.03	30.61	1009.10	119.92	5.74		41.6

		8.0	31.64	40.30	1297.79	154.22	5.67		31.6
		10.0	39.05	49.75	1564.61	185.93	5.61		25.6
		12.0	46.27	58.95	1810.69	215.17	5.54		21.6
175	197.3	3.6	17.20	21.92	1028.20	104.23	6.85	6198	58.1
		4.0	19.08	24.30	1135.47	115.10	6.84		52.4
		4.8	22.80	29.04	1345.98	136.44	6.81		43.9
		5.4	25.57	32.57	1500.37	152.09	6.79		39.1
		6.0	28.32	36.07	1651.80	167.44	6.77		35.3
		8.0	37.36	47.60	2135.76	216.50	6.70		26.8
		10.0	46.21	58.87	2588.71	262.41	6.63		21.6
		12.0	54.86	69.88	3012.03	305.33	6.57		18.2
200	219.1	4.8	25.38	32.33	1856.78	169.49	7.58	6879	39.4
		5.4	28.47	36.27	2071.66	189.11	7.56		35.1
		6.0	31.54	40.18	2282.87	208.39	7.54		31.7
		8.0	41.67	53.08	2960.82	270.27	7.47		24.0
		10.0	51.59	65.72	3599.89	328.61	7.40		19.4
		12.0	61.31	78.11	4201.57	383.53	7.33		16.3
250	273.1	6.0	39.54	50.37	4493.93	329.11	9.45	8575	25.3
		8.0	52.32	66.65	5860.70	429.20	9.38		19.1
		10.0	64.91	82.69	7165.13	524.73	9.31		15.4
		12.0	77.30	98.47	8409.17	615.83	9.24		12.9
300	323.9	6.3	49.36	62.88	7932.09	489.79	11.23	10170	20.3
		8.0	62.35	79.43	9914.07	612.17	11.17		16.0
		10.0	77.44	98.65	12163.24	751.05	11.10		12.9
		12.0	92.34	117.63	14325.32	884.55	11.04		10.8
350	355.6	4.8	41.54	52.92	8142.09	457.94	12.40	11172	24.1
		5.4	46.66	59.43	9113.39	512.56	12.38		21.4
		6.0	51.75	65.92	10074.61	566.63	12.36		19.3
		8.0	68.61	87.40	13206.69	742.78	12.29		14.6
		10.0	85.26	108.62	16230.03	912.83	12.22		
		12.0	101.73	129.59	19147.18	1076.89	12.16		9.8
		14.0	117.99	150.30	21960.65	1235.13	12.09		8.5
400	406.4	4.8	47.56	60.58	12215.72	601.17	14.20	12767	21.0
		5.4	53.42	68.06	13681.71	673.31	14.18		18.7
		6.0	59.27	75.50	15134.41	744.80	14.16		16.9
		8.0	78.63	100.17	19881.89	978.44	14.09		12.7
		10.0	97.80	124.58	24485.66	1205.00	14.02		10.2
		12.0	116.76	148.75	28948.66	1424.64	13.95		8.6
		16.0	154.11	196.32	37463.89	1843.70	13.81		6.5
450	457.2	5.4	60.19	76.68	19567.22	855.96	15.97	14363	16.6
		6.0	66.79	85.08	21655.59	947.31	15.95		15.0
		8.0	88.66	112.94	28495.85	1246.54	15.88		11.3
		10.0	110.33	140.55	35152.58	1537.73	15.81		9.1
		12.0	8.00	167.90	41629.08	1821.04	15.75		125.0
		16.0	174.16	221.86	54054.51	2364.59	15.61		5.7
500	508	6.0	74.31	94.66	29823.53	1174.15	17.75	15959	13.5
		8.0	98.69	125.71	39295.77	1547.08	17.68		10.1
		10.0	122.86	156.51	48539.78	1911.01	17.61		8.1
		12.0	146.84	187.06	57559.24	2266.11	17.54		6.8
		16.0	194.21	247.41	74939.19	2950.36	17.40		5.1
550	558.8	6.0	81.83	104.24	39823.66	1425.33	19.55	17555	12.2
		8.0	108.71	138.49	52528.87	1880.06	19.48		9.2
		10.0	135.40	172.48	64956.28	2324.85	19.41		7.4
		12.0	161.88	206.22	77109.97	2759.84	19.34		6.2
		16.0	214.27	272.95	100612.4	3601.02	19.20		4.7
600	609.6	6.0	89.35	113.82	51841.4	1700.83	21.34	19151	11.2
		8.0	118.74	151.26	68442.4	2245.48	21.27		8.4
		10.0	147.93	188.45	84711.1	2779.24	21.20		6.8
		12.0	176.92	225.38	100652.1	3302.23	21.13		5.7
		16.0	234.32	298.50	131568.4	4316.55	20.99		4.3
		18.0	262.72	334.68	146552.6	4808.16	20.93		3.8
		20.0	290.93	370.61	161226.5	5289.58	20.86		3.4