

MS SQUARE PIPE

RHS WEIGHT TABLE

RHS D x B MM	D	B	T	Sec Area	Weight	Moment of Inertia		Radius of Gyration		Elastic Modulus		Torsional Constants		Outer Surface Area	Nominal Length per tonne
	MM	MM	MM	CM ²	Kg/Mtr	Ixx CM ⁴	Iyy CM ⁴	Rxx CM	Ryy CM	Zxx CM ³	Zyy CM ³	J CM ⁴	B CM ³	Sq.Mtr / Mtr	M
50x25	50	25	2.6	3.46	2.71	10.16	3.36	1.71	0.99	4.06	2.69	8.68	4.72	0.137	368.63
	50	25	3.2	4.13	3.24	11.63	3.80	1.68	0.96	4.65	3.04	10.08	5.38	0.134	308.66
	50	25	4.0	4.95	3.88	13.13	4.23	1.63	0.92	5.25	3.38	11.57	6.05	0.129	257.42
60x40	60	40	2.6	4.76	3.73	22.76	12.09	2.19	1.59	7.59	6.05	25.99	10.02	0.187	267.86
	60	40	2.9	5.25	4.12	24.74	13.11	2.17	1.58	8.25	6.56	28.48	10.90	0.185	242.77
	60	40	3.6	6.35	4.98	28.90	15.23	2.13	1.55	9.63	7.62	33.86	12.73	0.181	200.66
66x33	66	40	4.5	7.67	6.02	33.31	17.44	2.08	1.51	11.10	8.72	39.91	14.69	0.177	166.10
	66	33	2.6	4.70	3.69	25.15	8.43	2.31	1.34	7.62	5.11	21.17	8.91	0.185	270.82
	66	33	2.9	5.19	4.07	27.33	9.12	2.29	1.33	8.28	5.53	23.13	9.66	0.183	245.48
	66	33	3.6	6.28	4.93	31.87	10.52	2.25	1.29	9.66	6.37	27.32	11.21	0.179	202.97
	66	33	4.5	7.58	5.95	36.64	11.93	2.20	1.25	11.10	7.23	31.90	12.84	0.175	168.07
80x40	66	33	4.8	7.99	6.27	37.98	12.31	2.18	1.24	11.51	7.46	33.22	13.29	0.173	159.44
	80	40	2.6	5.80	4.55	46.58	15.74	2.84	1.65	11.65	7.87	38.87	13.66	0.227	219.80
	80	40	3.2	7.01	5.50	54.94	18.41	2.80	1.62	13.74	9.21	46.28	16.05	0.224	181.80
	80	40	4.0	8.55	6.71	64.79	21.49	2.75	1.59	16.20	10.74	55.24	18.84	0.219	149.02
96x48	80	40	4.8	10.01	7.85	73.22	24.03	2.71	1.55	18.30	12.02	63.16	21.21	0.215	127.31
	96	48	2.6	7.04	5.53	82.96	28.19	3.43	2.00	17.28	11.74	68.76	20.34	0.275	180.85
	96	48	3.2	8.54	6.71	98.61	33.28	3.40	1.97	20.54	13.87	82.38	24.09	0.272	149.11
	96	48	4.0	10.47	8.22	117.54	39.32	3.35	1.94	24.49	16.38	99.22	28.59	0.267	121.69
	96	48	4.8	12.31	9.66	134.35	44.55	3.30	1.90	27.99	18.56	114.55	32.56	0.263	103.48
122x61	96	48	6.0	14.91	11.71	155.75	51.00	3.23	1.85	32.45	21.25	134.73	37.57	0.257	85.41
	122	61	2.6	9.07	7.12	175.75	60.09	4.40	2.57	28.81	19.70	144.59	34.03	0.353	140.42
	122	61	3.2	11.04	8.67	210.55	71.61	4.37	2.55	34.52	23.48	174.32	40.64	0.350	115.40
	122	61	3.6	12.32	9.67	232.61	78.83	4.34	2.53	38.13	25.84	193.39	44.81	0.347	103.36
	122	61	4.5	15.14	11.88	278.94	93.78	4.29	2.49	45.73	30.75	234.06	53.52	0.343	84.14
	122	61	5.4	17.85	14.01	320.83	107.03	4.24	2.45	52.60	35.09	271.66	61.34	0.338	71.38
145x82	122	61	6.0	19.59	15.38	346.36	114.95	4.20	2.42	56.78	37.69	295.02	66.08	0.335	65.01
	145	82	3.2	13.86	10.88	392.22	162.88	5.32	3.43	54.10	39.73	368.28	67.30	0.438	91.94
	145	82	4.0	17.11	13.43	476.35	196.94	5.28	3.39	65.70	48.03	450.85	81.55	0.433	74.46
	145	82	4.8	20.28	15.92	555.16	228.50	5.23	3.36	76.57	55.73	529.61	94.86	0.429	62.82
	145	82	5.4	22.60	17.74	610.85	250.59	5.20	3.33	84.26	61.12	586.17	104.24	0.426	56.37
172x92	145	82	6.0	24.87	19.53	663.66	271.37	5.17	3.30	91.54	66.19	640.57	113.12	0.423	51.21
	172	92	3.6	18.16	14.25	713.94	271.81	6.27	3.87	83.02	59.09	631.40	100.97	0.509	70.16
	172	92	4.0	20.07	15.75	783.54	297.66	6.25	3.85	91.11	64.71	695.19	110.68	0.507	63.48
	172	92	4.8	23.83	18.71	917.13	346.91	6.20	3.82	106.64	75.41	818.93	129.26	0.503	53.46
	172	92	5.4	26.60	20.88	1012.47	381.74	6.17	3.79	117.73	82.99	908.38	142.47	0.500	47.90
200x100	172	92	6.0	29.31	23.01	1103.73	414.82	6.14	3.76	128.34	90.18	994.95	155.08	0.497	43.46
	200	100	4.0	22.95	18.01	1199.71	410.78	7.23	4.23	119.97	82.16	985.36	141.81	0.579	55.51
	200	100	5.0	28.36	22.26	1459.25	496.94	7.17	4.19	145.93	99.39	1206.26	171.94	0.574	44.92
	200	100	6.0	33.63	26.40	1703.31	576.91	7.12	4.14	170.33	115.38	1416.98	200.10	0.569	37.87
	200	100	8.0	43.79	34.38	2146.21	719.19	7.00	4.05	214.62	143.84	1807.84	250.80	0.559	29.09
240x120	200	100	10.0	53.43	41.94	2530.97	839.27	6.88	3.96	253.10	167.85	2157.87	294.43	0.548	23.84
	240	120	4.0	27.75	21.78	2110.72	725.35	8.72	5.11	175.89	120.89	1726.13	208.38	0.699	45.91
	240	120	5.0	34.36	26.97	2579.67	882.47	8.67	5.07	214.97	147.08	2121.05	253.96	0.694	37.08
	240	120	6.0	40.83	32.05	3025.91	1030.45	8.61	5.02	252.16	171.74	2501.31	297.11	0.689	31.20

	240	120	8.0	53.39	41.91	3851.84	1299.95	8.49	4.93	320.99	216.66	3217.82	376.38	0.679	23.86
300x150	300	150	5.0	43.36	34.04	5153.13	1770.87	10.90	6.39	343.54	236.12	4214.17	406.99	0.874	29.38
	300	150	6.0	51.63	40.53	6073.51	2079.57	10.85	6.35	404.90	277.28	4988.36	478.60	0.869	24.67
	300	150	8.0	67.79	53.22	7807.95	2654.12	10.73	6.26	520.53	353.88	6468.03	612.69	0.859	18.79
	300	150	10.0	83.43	65.49	9403.90	3173.71	10.62	6.17	626.93	423.16	7856.00	735.12	0.848	15.27
	300	200	5.0	48.36	37.96	6241.05	3360.92	11.36	8.34	416.07	336.09	6835.66	551.89	0.974	26.34
300x200	300	200	6.0	57.63	45.24	7370.23	3962.19	11.31	8.29	491.35	396.22	8115.07	651.24	0.969	22.10
	300	200	8.0	75.79	59.50	9513.66	5097.04	11.20	8.20	634.24	509.70	10585.74	839.54	0.959	16.81
	300	200	10.0	93.43	73.34	11507.24	6144.30	11.10	8.11	767.15	614.43	12938.52	1014.48	0.948	13.63
	300	200	12.0	110.54	86.77	13354.97	7107.11	10.99	8.02	890.33	710.71	15172.94	1176.60	0.938	11.52
	400.0	200.0	6.0	69.6	54.7	14789.4	5091.6	14.6	8.6	739.5	509.2	12068.3	877.0	1.2	18.3
400x200	400.0	200.0	8.0	91.8	72.1	19195.3	6572.5	14.5	8.5	959.8	657.2	15765.7	1134.5	1.2	13.9
	400.0	200.0	10.0	113.4	89.0	23348.1	7951.0	14.3	8.4	1167.4	795.1	19300.2	1375.5	1.1	11.2
	400.0	200.0	12.0	134.5	105.6	27252.9	9230.6	14.2	8.3	1362.6	923.1	22671.7	1600.8	1.1	9.5
	400	200	14.0	155.12	121.77	30915.01	10414.85	14.12	8.19	1545.75	1041.48	25880.20	1810.90	1.128	8.21

