

Properties of Structural (Rectangular Hollow Section)				
IS : 4923 : 1997 / EN 10219-1 : 2006** / ASTM A - 500				
NB	Wall Thickness	Section Area	Nominal Weight	
			Plain End	
	MM	CM	KG/M	Mtr/Ton
50 x 25 mm	2.00	2.74	2.15	465
	2.60	3.46	2.71	369
	3.20	4.13	3.24	309
	4.00	4.95	3.88	258
60 x 40 mm	2.60	4.76	3.73	268
	2.90	5.25	4.12	243
	3.60	6.35	4.98	201
	4.50	7.67	6.02	166
66 x 33 mm	2.60	4.70	3.69	271
	2.90	5.19	4.07	246
	3.60	6.28	4.93	203
	4.50	7.58	5.95	168
80 x 40 mm	2.60	5.80	4.55	220
	2.90	6.41	5.03	199
	3.20	7.01	5.50	182
	4.00	8.55	6.71	149
	4.80	10.01	7.85	127
96 x 48 mm	3.20	8.54	6.71	149
	4.00	10.47	8.22	122
	4.80	12.31	9.66	104
100 x 50 mm	3.60	9.95	7.81	128
	4.50	12.17	9.95	101
	5.40	14.28	11.21	89
	6.00	15.63	12.27	81
115 x 60 mm	3.60	11.75	9.22	108
	4.50	14.42	11.32	88
	5.40	16.98	13.33	75
	6.00	18.63	14.63	68
160 x 80 mm	4.80	21.52	16.90	59
	5.40	24.00	18.84	53
	6.00	26.43	20.75	48
	8.00	34.19	26.84	37
180 x 70 mm	4.80	22.48	17.65	57
	5.40	25.08	19.69	51
	6.00	27.63	21.69	46
	8.00	35.79	28.09	36
122 x 61 mm	3.60	12.32	9.67	103
	4.50	15.14	11.88	84
	5.40	17.85	14.01	71
120 x 60 mm	3.20	10.85	8.51	118
	3.60	12.11	9.50	105
	4.50	14.87	11.67	86
145 x 82 mm	4.80	20.28	15.92	63
	5.40	22.60	17.74	56

172 x 92 mm	4.80	23.83	18.71	53
	5.40	26.59	20.88	48
200 x 100 mm	4.00	22.95	18.01	56
	5.00	28.36	22.26	45
	6.00	33.63	26.40	38
	7.00	38.78	30.44	33
	8.00	43.79	34.38	29
220 x 140 mm	4.00	27.75	21.78	46
	5.00	34.36	26.97	37
	6.00	40.83	32.05	31
	7.00	47.18	37.03	27
240 x 120 mm	4.00	27.75	21.78	46
	5.00	34.36	26.97	37
	6.00	44.83	32.05	31
	7.00	47.18	37.03	27
	8.00	53.39	41.91	24
	9.00	59.47	46.69	21
	10.00	65.42	51.36	19
260 x 180 mm	4.00	37.15	26.81	37
	5.00	42.36	33.25	30
	6.00	50.43	39.59	25
	7.00	58.38	45.83	22
300 x 150 mm	4.00	34.95	27.43	36
	5.00	43.36	34.03	29
	6.00	51.63	40.53	25
	7.00	59.78	46.93	21
	8.00	67.79	53.22	19
	9.00	75.67	59.40	17
	10.00	83.42	65.49	15
300 x 200 mm	4.00	38.95	30.57	33
	5.00	48.36	37.96	26
	6.00	57.63	45.24	22
	7.00	66.78	52.42	19
	8.00	75.79	59.50	17
	9.00	84.67	66.47	15
	10.00	93.42	73.34	14