



# HOLLOW STEEL SECTIONS FOR STRUCTURAL USE AS PER IS : 4923 : 1997

## SQUARE HOLLOW SECTIONS (SHS)

SECTION SHS (MM)	Depth D (mm)	Width B (mm)	Thickness T (mm)	Weight W (Kg/m)	Mts./Tonne
16 x 16	16.00	16.00	1.80	0.83	1204
	16.00	16.00	2.40	1.07	935
19 x 19	19.00	19.00	1.80	0.99	1010
	19.00	19.00	2.40	1.29	775
25 x 25	25.00	25.00	2.60	1.69	592
	25.00	25.00	3.20	1.98	505
30 x 30	30.00	30.00	2.60	2.10	476
	30.00	30.00	3.20	2.49	402
	30.00	30.00	4.00	2.94	340
40 x 40	40.00	40.00	2.60	2.92	342
	40.00	40.00	3.20	3.49	287
	40.00	40.00	3.60	3.85	260
	40.00	40.00	4.00	4.20	238
50 x 50	50.00	50.00	2.90	4.35	230
	50.00	50.00	3.20	4.77	210
70 x 70	70.00	70.00	3.20	6.71	149
	70.00	70.00	4.00	8.22	122
	70.00	70.00	4.80	9.66	104
80 x 80	80.00	80.00	3.60	9.38	107
	80.00	80.00	4.50	11.52	87
	80.00	80.00	4.90	12.44	80
100 x 100	100.00	100.00	3.60	9.67	103
	100.00	100.00	4.50	11.88	84
	100.00	100.00	5.40	14.01	71
120 x 120	120.00	120.00	4.80	15.92	63
	120.00	120.00	5.40	17.74	56
132 x 132	132.00	132.00	4.80	18.71	53
	132.00	132.00	5.40	20.88	48
150 x 150	150.00	150.00	5.00	22.26	45

GRADE	T.S.(min)	Y.S. (min)	Elongation	
	Mpa	Mpa	25.4mm & under	Over 25.4 mm
YST-210	330	210	12	20
YST-240	410	240	10	15
YST-310	450	310	8	10

### TOLERANCES

O.D.	+/-0.5 mm
Thickness	+/-10%
Weight	
(1) Single Pipe	-8%+10%
(2) On lots of 10 Tonne	±7.5%

## RECTANGULAR HOLLOW SECTIONS (RHS)

SECTION SHS (MM)	Depth D (mm)	Width B (mm)	Thickness T (mm)	Weight W (Kg/m)	Mts./Tonne
30 x 20	30.00	20.00	2.00	1.47	680
40 x 20	40.00	20.00	2.00	1.78	562
50 x 25	50.00	25.00	2.90	2.98	336
	50.00	25.00	3.20	3.24	309
60 x 40	60.00	40.00	2.90	4.12	243
	66.00	33.00	2.90	4.07	246
66 x 33	66.00	33.00	3.60	4.93	203
	66.00	33.00	4.50	5.95	168
	70.00	30.00	2.90	4.12	243
70 x 30	70.00	30.00	3.20	4.50	222
	70.00	30.00	4.00	5.45	183
	80.00	40.00	2.90	5.03	199
80 x 40	80.00	40.00	3.20	5.50	182
	80.00	40.00	4.00	6.71	149
	96.00	48.00	3.20	6.71	149
96 x 48	96.00	48.00	4.00	8.22	122
	96.00	48.00	4.80	9.66	104
	122.00	61.00	3.60	9.67	103
122 x 61	122.00	61.00	4.50	11.88	84
	122.00	61.00	5.40	14.01	71
	145.00	82.00	4.80	15.92	63
145 x 82	145.00	82.00	5.40	17.74	56
	172.00	92.00	4.80	18.71	53
172 x 92	172.00	92.00	5.40	20.88	48

