

HOLLOW STEEL SECTIONS FOR STRUCTURAL USE RECTANGULAR HOLLOW SECTION (RHS)

Conforming IS 4923 : 2017



RHS (mm)	THICKNESS (mm)	WEIGHT	
		Kg/Meter	Meter/ToN
25 X 12	1.8	0.88	1136
	2.0	0.96	1042
	2.3	1.06	943
40 X 20	2.0	1.68	595
	2.6	2.10	476
	3.2	2.49	402
40 X 25	1.8	1.67	599
	2.0	1.83	546
	2.5	2.23	448
50 X 25	2.0	2.15	465
	2.6	2.71	369
	3.2	3.24	309
	3.5	3.49	287
60 X 40	2.6	3.73	268
	3.2	4.50	222
	4.0	5.45	183
66 X 33	2.6	3.69	271
	3.2	4.45	225
	4.0	5.39	186
75 X 25	2.6	3.73	268
	3.2	4.50	222
	4.0	5.45	183
80 X 40	2.9	5.03	199
	3.5	5.96	168
	4.5	7.43	135
80 X 60	2.9	5.94	168
	3.2	6.51	154
	4.0	7.97	125
96 X 48	3.2	6.71	149
	4.0	8.22	122
	5.0	10.01	100

RHS (mm)	THICKNESS (mm)	WEIGHT	
		Kg/Meter	Meter/ToN
100 X 50	3.2	7.01	143
	4.0	8.59	116
	5.4	11.21	89
	6.0	12.27	81
120 X 60	3.6	9.50	105
	4.5	11.67	86
	5.4	13.76	73
122 X 61	3.6	9.67	103
	4.5	11.88	84
	5.4	14.01	71
150 X 75	3.6	12.05	83
	4.5	14.85	67
	5.4	17.57	57
145 X 82	3.6	12.16	82
	4.5	14.99	67
	5.4	17.74	56
	6.0	19.53	51
150 X 100	3.6	13.46	74
	4.5	16.62	60
	5.4	19.69	51
	6.0	21.69	46
172 X 92	3.6	14.25	70
	4.5	17.61	57
	5.4	20.88	48
	6.0	23.01	43
200 X 100	3.6	16.29	61
	4.5	20.15	50
	5.4	23.93	42
	6.0	26.40	38

Note :- The sizes & thickness other than those given in table may be supplied by mutual agreement b/w supplier and purchaser.

General technical specification and tolerances

Spec :	IS 4923 : 2017
Length :	6.0mtrs. +/-6.0mm customized length ranging from 4 mtrs. to 8mtrs. May be supplied.
Thickness:	For all sizes: $\pm 7.5\%$
Outside Dimensions:	1% with a Minimum of 0.5mm
Corner Radii:	Max. 3t, where t is the thickness of section.
Weight :	On individual length : +10%, -8%. On lots of 10 MT : $\pm 7\%$
Straightness:	Under 1/600th of length at the centre of length for finish straightened condition & for tube in mill straightened condition 1/200th of any length at the centre of length.
Twist :	Maximum 2 mm plus 0.5 mm/m.
End Finish:	Plain Ended- Mechanically sheared, mill-cut finish without further matching.
Surface Finish:	Black Section (without any subsequent surface treatment).
Raw Material:	As per IS-10748:2004 (Gr-1 to Gr-5).

