

Rectangle Hollow Sections (RHS)

TECHNICAL DATA FOR HOLLOW STEEL SECTIONS FOR STRUCTURAL USE CONFORMING TO IS: 4923 - 2017, DIMENSIONS AND PROPERTIES OF RECTANGULAR HOLLOW SECTIONS (RHS)

DESIGNATION			DEPTH OF SECTION	WIDTH OF SECTION	THICKNESS OF SECTION	NOMINAL MASS OF STEEL TUBES PLAIN END			
mm	mm	mm	(D) mm	(B) mm	mm	kg/mtr	mts/t	kgs/20'	pcs/mt
40.0	20.0	2.9	40.0	20.0	2.9	2.51	398	15.3	65
40.0	20.0	3.2	40.0	20.0	3.2	2.74	365	16.7	60
50.0	25.0	2.9	50.0	25.0	2.9	2.98	336	18.2	55
50.0	25.0	3.2	50.0	25.0	3.2	3.24	309	19.8	51
60.0	40.0	2.9	60.0	40.0	2.9	4.12	243	25.1	40
66.0	33.0	2.6	66.0	33.0	2.6	3.69	271	22.5	44
66.0	33.0	2.9	66.0	33.0	2.9	4.07	246	24.8	40
66.0	33.0	3.6	66.0	33.0	3.6	4.93	203	30.1	33
66.0	33.0	4.5	66.0	33.0	4.5	5.95	168	36.3	28
75.0	25.0	2.6	75.0	25.0	2.6	3.73	268	22.7	44
75.0	50.0	2.9	75.0	50.0	2.9	5.25	190	32.0	31
75.0	50.0	3.2	75.0	50.0	3.2	5.75	174	35.1	29
75.0	50.0	4.0	75.0	50.0	4.0	7.02	142	42.8	23
80.0	40.0	2.9	80.0	40.0	2.9	5.03	199	30.7	33
80.0	40.0	3.2	80.0	40.0	3.2	5.50	182	33.5	30
80.0	40.0	4.0	80.0	40.0	4.0	6.71	149	40.9	24
96.0	48.0	3.2	96.0	48.0	3.2	6.71	149	40.9	24
96.0	48.0	4.0	96.0	48.0	4.0	8.22	122	50.1	20
96.0	48.0	4.8	96.0	48.0	4.8	9.66	104	58.9	17
100.0	50.0	3.2	100.0	50.0	3.2	7.01	143	42.7	23
100.0	50.0	4.0	100.0	50.0	4.0	8.59	116	52.4	19
110.0	55.0	2.5	110.0	55.0	2.5	6.15	163	37.5	27
122.0	61.0	3.6	122.0	61.0	3.6	9.67	103	58.9	17
122.0	61.0	4.5	122.0	61.0	4.5	11.88	84	72.4	14
122.0	61.0	5.4	122.0	61.0	5.4	14.01	71	85.4	12
130.0	50.0	3.0	130.0	50.0	3.0	8.01	125	48.8	20
140.0	60.0	2.5	140.0	60.0	2.5	7.53	133	45.9	22
140.0	60.0	4.0	140.0	60.0	4.0	11.73	85	71.5	14
140.0	60.0	5.0	140.0	60.0	5.0	14.41	69	87.8	11
145.0	82.0	4.8	145.0	82.0	4.8	15.92	63	97.0	10
145.0	82.0	5.4	145.0	82.0	5.4	17.74	56	108.1	9
150.0	60.0	3.0	150.0	60.0	3.0	9.43	106	57.5	17
150.0	75.0	3.0	150.0	75.0	3.0	10.13	99	61.8	16
150.0	75.0	4.5	150.0	75.0	4.5	14.85	67	90.5	11
150.0	75.0	6.0	150.0	75.0	6.0	19.33	52	117.8	8
150.0	100.0	5.0	150.0	100.0	5.0	18.33	55	111.7	9
150.0	100.0	8.0	150.0	100.0	8.0	28.10	36	171.3	6
150.0	100.0	10.0	150.0	100.0	10.0	34.09	29	207.8	5
172.0	92.0	4.8	172.0	92.0	4.8	18.71	53	114.1	9

Tolerance

Thickness (All Sizes)	: $\pm 7.5\%$	Weight	
Outside dimensions of sides	: $\pm 1\%$ of length of the side to be measured with a minimum of ± 0.5 mm	Individual Length	: $\pm 10\% / 8\%$
		On lots of 10 T	: $\pm 7\%$
External Corner Radius	: 3 T, max where T is the thickness of section	Squareness of Corner	: 90 Degree $\pm 2\%$

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mm	mm	mm	(D) mm	(B) mm	mm	kg/mtr	mts/t	kgs/20'	pcs/mt
172.0	92.0	5.4	172.0	92.0	5.4	20.88	48	127.3	8
200.0	100.0	4.0	200.0	100.0	4.0	18.01	56	109.8	9
200.0	100.0	5.0	200.0	100.0	5.0	22.26	45	135.7	7
200.0	100.0	6.0	200.0	100.0	6.0	26.40	38	160.9	6
200.0	100.0	8.0	200.0	100.0	8.0	34.38	29	209.6	5
240.0	120.0	4.0	240.0	120.0	4.0	32.05	31	195.4	5
240.0	120.0	5.0	240.0	120.0	5.0	41.91	24	255.5	4
240.0	120.0	6.0	240.0	120.0	6.0	32.05	31	195.4	5
240.0	120.0	8.0	240.0	120.0	8.0	41.91	24	255.5	4
300.0	100.0	5.4	300.0	100.0	5.4	30.45	33	185.6	5
300.0	100.0	6.4	300.0	100.0	6.4	35.28	28	215.1	5
300.0	150.0	6.0	300.0	150.0	6.0	40.53	25	247.1	4
300.0	150.0	8.0	300.0	150.0	8.0	53.22	19	324.4	3
300.0	150.0	10.0	300.0	150.0	10.0	65.49	15	399.2	3
300.0	200.0	6.0	300.0	200.0	6.0	45.24	22	275.8	4
300.0	200.0	8.0	300.0	200.0	8.0	59.49	17	362.7	3
300.0	200.0	10.0	300.0	200.0	10.0	73.34	14	447.1	2
350.0	250.0	6.0	350.0	250.0	6.0	54.66	18	333.2	3
350.0	250.0	8.0	350.0	250.0	8.0	72.06	14	439.3	2
350.0	250.0	10.0	350.0	250.0	10.0	89.04	11	542.8	2
350.0	250.0	12.0	350.0	250.0	12.0	105.61	9	643.8	2
400.0	200.0	8.0	400.0	200.0	8.0	72.06	14	439.3	2
400.0	200.0	10.0	400.0	200.0	10.0	89.04	11	542.8	2
400.0	200.0	12.0	400.0	200.0	12.0	105.61	9	643.8	2
400.0	300.0	8.0	400.0	300.0	8.0	84.62	12	515.8	2
400.0	300.0	10.0	400.0	300.0	10.0	104.74	10	638.5	2
400.0	300.0	12.0	400.0	300.0	12.0	124.45	8	758.6	1

Tolerance

Thickness (All Sizes) : $\pm 7.5\%$
 Outside dimensions of sides : $\pm 1\%$ of length of the side to be measured with a minimum of ± 0.5 mm
 External Corner Radius : 3 T, max where T is the thickness of section

Weight
 Individual Length : $\pm 10\%$ / 8%
 On lots of 10 T : $\pm 7\%$
 Squareness of Corner : 90 Degree $\pm 2\%$

