

Rectangle Hollow Sections (RHS)

TECHNICAL DATA FOR COLD FORMED WELDED RECTANGULAR HOLLOW SECTION OF NON-ALLOY AND FINE GRAIN STEELS. CONFIRMING TO EN 10219

DESIGNATION			DEPTH OF SECTION	WIDTH OF SECTION	THICKNESS OF SECTION	NOMINAL MASS OF STEEL HOLLOW PLAIN END			
mm	mm	mm	(H) mm	(B) mm	mm	kg/mtr	mts/t	kgs/20'	pcs/mt
40.0	20.0	2.0	40.0	20.0	2.0	1.68	595.2	10.2	97.6
40.0	20.0	2.0	40.0	20.0	2.0	1.68	595.2	10.2	97.6
40.0	20.0	2.5	40.0	20.0	2.5	2.03	492.6	12.4	80.8
40.0	20.0	3.0	40.0	20.0	3.0	2.36	423.7	14.4	69.5
50.0	30.0	2.0	50.0	30.0	2.0	2.31	432.9	14.1	71.0
50.0	30.0	2.5	50.0	30.0	2.5	2.82	354.6	17.2	58.2
50.0	30.0	3.0	50.0	30.0	3.0	3.30	303.0	20.1	49.7
50.0	30.0	4.0	50.0	30.0	4.0	4.20	238.1	25.6	39.1
60.0	40.0	2.0	60.0	40.0	2.0	2.93	341.3	17.9	56.0
60.0	40.0	2.5	60.0	40.0	2.5	3.60	277.8	21.9	45.6
60.0	40.0	3.0	60.0	40.0	3.0	4.25	235.3	25.9	38.6
60.0	40.0	4.0	60.0	40.0	4.0	5.45	183.5	33.2	30.1
60.0	40.0	5.0	60.0	40.0	5.0	6.56	152.4	40.0	25.0
70.0	50.0	2.0	70.0	50.0	2.0	3.56	280.9	21.7	46.1
70.0	50.0	2.5	70.0	50.0	2.5	4.39	227.8	26.8	37.4
70.0	50.0	3.0	70.0	50.0	3.0	5.19	192.7	31.6	31.6
70.0	50.0	4.0	70.0	50.0	4.0	6.71	149.0	40.9	24.4
70.0	50.0	5.0	70.0	50.0	5.0	8.13	123.0	49.6	20.2
80.0	40.0	2.0	80.0	40.0	2.0	3.56	280.9	21.7	46.1
80.0	40.0	2.5	80.0	40.0	2.5	4.39	227.8	26.8	37.4
80.0	40.0	3.0	80.0	40.0	3.0	5.19	192.7	31.6	31.6
80.0	40.0	4.0	80.0	40.0	4.0	6.71	149.0	40.9	24.4
80.0	40.0	5.0	80.0	40.0	5.0	8.13	123.0	49.6	20.2
80.0	60.0	2.0	80.0	60.0	2.0	4.19	238.7	25.5	39.2
80.0	60.0	2.5	80.0	60.0	2.5	5.17	193.4	31.5	31.7
80.0	60.0	3.0	80.0	60.0	3.0	6.13	163.1	37.4	26.8
80.0	60.0	4.0	80.0	60.0	4.0	7.97	125.5	48.6	20.6
80.0	60.0	5.0	80.0	60.0	5.0	9.70	103.1	59.1	16.9
90.0	50.0	2.0	90.0	50.0	2.0	4.19	238.7	25.5	39.2
90.0	50.0	2.5	90.0	50.0	2.5	5.17	193.4	31.5	31.7
90.0	50.0	5.0	90.0	50.0	5.0	6.13	163.1	37.4	26.8
90.0	50.0	4.0	90.0	50.0	4.0	7.97	125.5	48.6	20.6
90.0	50.0	5.0	90.0	50.0	5.0	9.70	103.1	59.1	16.9
100.0	40.0	2.5	100.0	40.0	2.5	5.17	193.4	31.5	31.7
100.0	40.0	3.0	100.0	40.0	3.0	6.13	163.1	37.4	26.8
100.0	40.0	4.0	100.0	40.0	4.0	7.97	125.5	48.6	20.6
100.0	40.0	5.0	100.0	40.0	5.0	9.70	103.1	59.1	16.9
100.0	50.0	2.5	100.0	50.0	2.5	5.56	179.9	33.9	29.5

Following Manufacturing Tolerance shall be permitted

Outside dimensions of sides	H, B < 100 : ± 1 % with a min of 0.5mm 100 ≤ H, B ≤ 200 : ± 0.8% H, B > 200 : ± 0.6%	External corner profile	T ≤ 6 mm: 1.6T to 2.4T 6 < T ≤ 10mm: 2.0T to 3.0T 10 < T mm: 2.4 T to 3.6T
Thickness	T ≤ 5 mm: ± 10 % T > 5 mm: ± 0.5 mm	Squareness of sides	90 Degree ± 1 Degree
Concavity/Convexity	Max. 0.8% with a minimum of 0.5mm	Straightness	0,15 % of total length and 3 mm over any 1 mtr Length
Twist	2.0mm plus 0.5mm / mtrs length	Weight	± 6 % on individual delivered lengths
Length (Random length / Unless Otherwise Specified)	4-16 Mtrs (10 % of sections supplied may be below the min. for the ordered range but not shorter than 75 % of the min. range length).		

Note :
1) Length other than those given in the above table may be supplied as per customer requirements.
2) We are equipped with inner weld scarfing (internal weld fin removal) as per customer requirement.

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mm	mm	mm	(H) mm	(B) mm	mm	kg/mtr	mts/t	kgs/20'	pcs/mt
100.0	50.0	3.0	100.0	50.0	3.0	6.60	151.5	40.2	24.9
100.0	50.0	4.0	100.0	50.0	4.0	8.59	116.4	52.4	19.1
100.0	50.0	5.0	100.0	50.0	5.0	10.50	95.2	64.0	15.6
100.0	50.0	6.0	100.0	50.0	6.0	12.30	81.3	75.0	13.3
100.0	50.0	6.3	100.0	50.0	6.3	12.50	80.0	76.2	13.1
100.0	60.0	2.5	100.0	60.0	2.5	5.96	167.8	36.3	27.5
100.0	60.0	3.0	100.0	60.0	3.0	7.07	141.4	43.1	23.2
100.0	60.0	4.0	100.0	60.0	4.0	9.22	108.5	56.2	17.8
100.0	60.0	5.0	100.0	60.0	5.0	11.30	88.5	68.9	14.5
100.0	60.0	6.0	100.0	60.0	6.0	13.20	75.8	80.5	12.4
100.0	60.0	6.3	100.0	60.0	6.3	13.50	74.1	82.3	12.2
100.0	80.0	2.5	100.0	80.0	2.5	6.74	148.4	41.1	24.3
100.0	80.0	3.0	100.0	80.0	3.0	8.01	124.8	48.8	20.5
100.0	80.0	4.0	100.0	80.0	4.0	10.50	95.2	64.0	15.6
100.0	80.0	5.0	100.0	80.0	5.0	12.80	78.1	78.0	12.8
100.0	80.0	6.0	100.0	80.0	6.0	15.10	66.2	92.0	10.9
100.0	80.0	6.3	100.0	80.0	6.3	15.50	64.5	94.5	10.6
120.0	60.0	2.5	120.0	60.0	2.5	6.74	148.4	41.1	24.3
120.0	60.0	3.0	120.0	60.0	3.0	8.01	124.8	48.8	20.5
120.0	60.0	4.0	120.0	60.0	4.0	10.50	95.2	64.0	15.6
120.0	60.0	5.0	120.0	60.0	5.0	12.80	78.1	78.0	12.8
120.0	60.0	6.0	120.0	60.0	6.0	15.10	66.2	92.0	10.9
120.0	60.0	6.3	120.0	60.0	6.3	15.50	64.5	94.5	10.6
120.0	60.0	8.0	120.0	60.0	8.0	18.90	52.9	115.2	8.7
120.0	80.0	3.0	120.0	80.0	3.0	8.96	111.6	54.6	18.3
120.0	80.0	4.0	120.0	80.0	4.0	11.70	85.5	71.3	14.0
120.0	80.0	5.0	120.0	80.0	5.0	14.40	69.4	87.8	11.4
120.0	80.0	6.0	120.0	80.0	6.0	17.00	58.8	103.6	9.6
120.0	80.0	6.3	120.0	80.0	6.3	17.50	57.1	106.7	9.4
120.0	80.0	8.0	120.0	80.0	8.0	21.40	46.7	130.5	7.7
140.0	80.0	4.0	140.0	80.0	4.0	13.00	76.9	79.2	12.6
140.0	80.0	5.0	140.0	80.0	5.0	16.00	62.5	97.5	10.3
140.0	80.0	6.0	140.0	80.0	6.0	18.90	52.9	115.2	8.7
140.0	80.0	6.3	140.0	80.0	6.3	19.40	51.5	118.3	8.5
140.0	80.0	8.0	140.0	80.0	8.0	23.90	41.8	145.7	6.9
150.0	100.0	4.0	150.0	100.0	4.0	14.90	67.1	90.8	11.0
150.0	100.0	5.0	150.0	100.0	5.0	18.30	54.6	111.6	9.0
150.0	100.0	6.0	150.0	100.0	6.0	21.70	46.1	132.3	7.6

Following Manufacturing Tolerance shall be permitted

Outside dimensions of sides	H, B < 100 : ± 1 % with a min of 0.5mm 100 ≤ H, B ≤ 200 : ± 0.8% H, B > 200 : ± 0.6%	External corner profile	T ≤ 6 mm: 1.6T to 2.4T 6 < T ≤ 10mm: 2.0T to 3.0T 10 < T mm: 2.4 T to 3.6T
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Concavity/Convexity	Max. 0.8% with a minimum of 0.5mm	Straightness	0,15 % of total length and 3 mm over any 1 mtr Length
Twist	2.0mm plus 0.5mm / mtrs length	Weight	± 6 % on individual delivered lengths
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Note :
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mm	mm	mm	(H) mm	(B) mm	mm	kg/mtr	mts/t	kgs/20'	pcs/mt
150.0	100.0	6.3	150.0	100.0	6.3	22.40	44.6	136.6	7.3
150.0	100.0	8.0	150.0	100.0	8.0	27.70	36.1	168.9	5.9
150.0	100.0	10.0	150.0	100.0	10.0	33.40	29.9	203.6	4.9
150.0	100.0	12.0	150.0	100.0	12.0	37.70	26.5	229.8	4.4
150.0	100.0	12.5	150.0	100.0	12.5	38.90	25.7	237.1	4.2
160.0	80.0	4.0	160.0	80.0	4.0	14.20	70.4	86.6	11.6
160.0	80.0	5.0	160.0	80.0	5.0	17.50	57.1	106.7	9.4
160.0	80.0	6.0	160.0	80.0	6.0	20.70	48.3	126.2	7.9
160.0	80.0	6.3	160.0	80.0	6.3	21.40	46.7	130.5	7.7
160.0	80.0	8.0	160.0	80.0	8.0	26.40	37.9	160.9	6.2
160.0	80.0	10.0	160.0	80.0	10.0	31.80	31.4	193.9	5.2
160.0	80.0	12.0	160.0	80.0	12.0	35.80	27.9	218.2	4.6
160.0	80.0	12.5	160.0	80.0	12.5	36.90	27.1	224.9	4.4
180.0	100.0	4.0	180.0	100.0	4.0	16.80	59.5	102.4	9.8
180.0	100.0	5.0	180.0	100.0	5.0	20.70	48.3	126.2	7.9
180.0	100.0	6.0	180.0	100.0	6.0	24.50	40.8	149.4	6.7
180.0	100.0	6.3	180.0	100.0	6.3	25.40	39.4	154.8	6.5
180.0	100.0	8.0	180.0	100.0	8.0	31.40	31.8	191.4	5.2
180.0	100.0	10.0	180.0	100.0	10.0	38.10	26.2	232.3	4.3
180.0	100.0	12.0	180.0	100.0	12.0	43.40	23.0	264.6	3.8
180.0	100.0	12.5	180.0	100.0	12.5	44.80	22.3	273.1	3.7
200.0	100.0	4.0	200.0	100.0	4.0	18.00	55.6	109.7	9.1
200.0	100.0	5.0	200.0	100.0	5.0	22.30	44.8	135.9	7.4
200.0	100.0	6.0	200.0	100.0	6.0	26.40	37.9	160.9	6.2
200.0	100.0	6.3	200.0	100.0	6.3	27.40	36.5	167.0	6.0
200.0	100.0	8.0	200.0	100.0	8.0	33.90	29.5	206.7	4.8
200.0	100.0	10.0	200.0	100.0	10.0	41.30	24.2	251.8	4.0
200.0	100.0	12.0	200.0	100.0	12.0	47.10	21.2	287.1	3.5
200.0	100.0	12.5	200.0	100.0	12.5	48.70	20.5	296.9	3.4
200.0	120.0	4.0	200.0	120.0	4.0	19.30	51.8	117.7	8.5
200.0	120.0	5.0	200.0	120.0	5.0	23.80	42.0	145.1	6.9
200.0	120.0	6.0	200.0	120.0	6.0	28.30	35.3	172.5	5.8
200.0	120.0	6.3	200.0	120.0	6.3	29.30	34.1	178.6	5.6
200.0	120.0	8.0	200.0	120.0	8.0	36.50	27.4	222.5	4.5
200.0	120.0	10.0	200.0	120.0	10.0	44.40	22.5	270.7	3.7
200.0	120.0	12.0	200.0	120.0	12.0	50.90	19.6	310.3	3.2
200.0	120.0	12.5	200.0	120.0	12.5	52.60	19.0	320.6	3.1
250.0	150.0	5.0	250.0	150.0	5.0	30.10	33.2	183.5	5.4

Following Manufacturing Tolerance shall be permitted

Outside dimensions of sides	H, B < 100 : ± 1 % with a min of 0.5mm 100 ≤ H, B ≤ 200 : ± 0.8% H, B > 200 : ± 0.6%	External corner profile	T ≤ 6 mm: 1.6T to 2.4T 6 < T ≤ 10mm: 2.0T to 3.0T 10 < T mm: 2.4 T to 3.6T
Thickness	T ≤ 5 mm: ± 10 % T > 5 mm: ± 0.5 mm	Squareness of sides	90 Degree ± 1 Degree
Concavity/Convexity	Max. 0.8% with a minimum of 0.5mm	Straightness	0,15 % of total length and 3 mm over any 1 mtr Length
Twist	2.0mm plus 0.5mm / mtrs length	Weight	± 6 % on individual delivered lengths
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mm	mm	mm	(H) mm	(B) mm	mm	kg/mtr	mts/t	kgs/20'	pcs/mt
250.0	150.0	6.0	250.0	150.0	6.0	35.80	27.9	218.2	4.6
250.0	150.0	6.3	250.0	150.0	6.3	37.20	26.9	226.8	4.4
250.0	150.0	8.0	250.0	150.0	8.0	46.50	21.5	283.5	3.5
250.0	150.0	10.0	250.0	150.0	10.0	57.00	17.5	347.5	2.9
250.0	150.0	12.0	250.0	150.0	12.0	66.00	15.2	402.3	2.5
250.0	150.0	12.5	250.0	150.0	12.5	68.30	14.6	416.4	2.4
260.0	180.0	5.0	260.0	180.0	5.0	33.20	30.1	202.4	4.9
260.0	180.0	6.3	260.0	180.0	6.3	41.20	24.3	251.2	4.0
260.0	180.0	8.0	260.0	180.0	8.0	51.50	19.4	313.9	3.2
260.0	180.0	10.0	260.0	180.0	10.0	63.20	15.8	385.3	2.6
260.0	180.0	12.0	260.0	180.0	12.0	73.50	13.6	448.1	2.2
260.0	180.0	12.5	260.0	180.0	12.5	76.20	13.1	464.5	2.2
300.0	100.0	6.0	300.0	100.0	6.0	35.80	27.9	218.2	4.6
300.0	100.0	6.3	300.0	100.0	6.3	37.20	26.9	226.8	4.4
300.0	100.0	8.0	300.0	100.0	8.0	46.50	21.5	283.5	3.5
300.0	100.0	10.0	300.0	100.0	10.0	57.00	17.5	347.5	2.9
300.0	100.0	12.0	300.0	100.0	12.0	66.00	15.2	402.3	2.5
300.0	100.0	12.5	300.0	100.0	12.5	68.30	14.6	416.4	2.4
300.0	150.0	6.0	300.0	150.0	6.0	40.50	24.7	246.9	4.1
300.0	150.0	6.3	300.0	150.0	6.3	42.20	23.7	257.3	3.9
300.0	150.0	8.0	300.0	150.0	8.0	52.80	18.9	321.9	3.1
300.0	150.0	10.0	300.0	150.0	10.0	64.80	15.4	395.0	2.5
300.0	150.0	12.0	300.0	150.0	12.0	75.40	13.3	459.6	2.2
300.0	150.0	12.5	300.0	150.0	12.5	78.10	12.8	476.1	2.1
300.0	200.0	6.0	300.0	200.0	6.0	45.20	22.1	275.5	3.6
300.0	200.0	6.3	300.0	200.0	6.3	47.10	21.2	287.1	3.5
300.0	200.0	8.0	300.0	200.0	8.0	59.10	16.9	360.3	2.8
300.0	200.0	10.0	300.0	200.0	10.0	72.70	13.8	443.2	2.3
300.0	200.0	12.0	300.0	200.0	12.0	84.80	11.8	516.9	1.9
300.0	200.0	12.5	300.0	200.0	12.5	88.00	11.4	536.4	1.9
350.0	250.0	6.0	350.0	250.0	6.0	54.70	18.3	333.5	3.0
350.0	250.0	6.3	350.0	250.0	6.3	57.00	17.5	347.5	2.9
350.0	250.0	8.0	350.0	250.0	8.0	71.60	14.0	436.5	2.3
350.0	250.0	10.0	350.0	250.0	10.0	88.40	11.3	538.9	1.9
350.0	250.0	12.0	350.0	250.0	12.0	104.00	9.6	634.0	1.6
350.0	250.0	12.5	350.0	250.0	12.5	108.00	9.3	658.4	1.5
400.0	200.0	8.0	400.0	200.0	8.0	71.60	14.0	436.5	2.3
400.0	200.0	12.5	400.0	200.0	12.5	108.00	9.3	658.4	1.5
400.0	300.0	8.0	400.0	300.0	8.0	84.20	11.9	513.3	2.0
400.0	300.0	10.0	400.0	300.0	10.0	104.00	9.6	634.0	2.0
400.0	300.0	12.0	400.0	300.0	12.0	123.00	8.1	749.8	1.0
400.0	300.0	12.5	400.0	300.0	12.5	127.00	7.9	774.2	1.0

Following Manufacturing Tolerance shall be permitted

Outside dimensions of sides	H, B < 100 : ± 1 % with a min of 0.5mm 100 ≤ H, B ≤ 200 : ± 0.8% H, B > 200 : ± 0.6%	External corner profile	T ≤ 6 mm: 1.6T to 2.4T 6 < T ≤ 10mm: 2.0T to 3.0T 10 < T mm: 2.4 T to 3.6T
Thickness	T ≤ 5 mm: ± 10 % T > 5 mm: ± 0.5 mm	Squareness of sides	90 Degree ± 1 Degree
Concavity/Convexity	Max. 0.8% with a minimum of 0.5mm	Straightness	0,15 % of total length and 3 mm over any 1 mtr Length
Twist	2.0mm plus 0.5mm / mtrs length	Weight	± 6 % on individual delivered lengths
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Note :
1) Length other than those given in the above table may be supplied as per customer requirements.
2) We are equipped with inner weld scarfing (internal weld fin removal) as per customer requirement.