

# Square Hollow Sections (SHS)

## TECHNICAL DATA FOR COLD FORMED WELDED SQUARE 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
20.0	20.0	2.0	20.0	20.0	2.0	1.05	952	6.4	156
25.0	25.0	2.0	25.0	25.0	2.0	1.36	735	8.3	121
25.0	25.0	2.5	25.0	25.0	2.5	1.64	610	10.0	100
25.0	25.0	3.0	25.0	25.0	3.0	1.89	529	11.5	87
30.0	30.0	2.0	30.0	30.0	2.0	1.68	595	10.2	98
30.0	30.0	2.5	30.0	30.0	2.5	2.03	493	12.4	81
30.0	30.0	3.0	30.0	30.0	3.0	2.36	424	14.4	70
40.0	40.0	2.0	40.0	40.0	2.0	2.31	433	14.1	71
40.0	40.0	2.5	40.0	40.0	2.5	2.82	355	17.2	58
40.0	40.0	3.0	40.0	40.0	3.0	3.30	303	20.1	50
40.0	40.0	4.0	40.0	40.0	4.0	4.20	238	25.6	39
50.0	50.0	2.0	50.0	50.0	2.0	2.93	341	17.9	56
50.0	50.0	2.5	50.0	50.0	2.5	3.60	278	21.9	46
50.0	50.0	3.0	50.0	50.0	3.0	4.25	235	25.9	39
50.0	50.0	4.0	50.0	50.0	4.0	5.45	183	33.2	30
50.0	50.0	5.0	50.0	50.0	5.0	6.56	152	40.0	25
60.0	60.0	2.0	60.0	60.0	2.0	3.56	281	21.7	46
60.0	60.0	2.5	60.0	60.0	2.5	4.39	228	26.8	37
60.0	60.0	3.0	60.0	60.0	3.0	5.19	193	31.6	32
60.0	60.0	4.0	60.0	60.0	4.0	6.71	149	40.9	24
60.0	60.0	5.0	60.0	60.0	5.0	8.13	123	49.6	20
60.0	60.0	6.0	60.0	60.0	6.0	9.45	106	57.6	17
60.0	60.0	6.3	60.0	60.0	6.3	9.55	105	58.2	17
70.0	70.0	2.5	70.0	70.0	2.5	5.17	193	31.5	32
70.0	70.0	3.0	70.0	70.0	3.0	6.13	163	37.4	27
70.0	70.0	4.0	70.0	70.0	4.0	7.97	125	48.6	21
70.0	70.0	5.0	70.0	70.0	5.0	9.70	103	59.1	17
70.0	70.0	6.0	70.0	70.0	6.0	11.30	88	68.9	15
70.0	70.0	6.3	70.0	70.0	6.3	11.50	87	70.1	14
80.0	80.0	3.0	80.0	80.0	3.0	7.07	141	43.1	23
80.0	80.0	4.0	80.0	80.0	4.0	9.22	108	56.2	18
80.0	80.0	5.0	80.0	80.0	5.0	11.30	88	68.9	15
80.0	80.0	6.0	80.0	80.0	6.0	13.20	76	80.5	12
80.0	80.0	6.3	80.0	80.0	6.3	13.50	74	82.3	12
80.0	80.0	8.0	80.0	80.0	8.0	16.40	61	100.0	10
90.0	90.0	3.0	90.0	90.0	3.0	8.01	125	48.8	20
90.0	90.0	4.0	90.0	90.0	4.0	10.50	95	64.0	16
90.0	90.0	5.0	90.0	90.0	5.0	12.80	78	78.0	13

### Following Manufacturing Tolerance shall be permitted

<b>Outside dimensions of sides</b>	H, B < 100 : ± 1 % with a min of 0.5mm 100 ≤ H, B ≤ 200 : ± 0.8% H, B > 200 : ± 0.6%	<b>External corner profile</b>	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
<b>Thickness</b>	T ≤ 5 mm: ± 10 % T > 5 mm: ± 0.5 mm	<b>Squareness of sides</b>	90 Degree ± 1 Degree
<b>Concavity/Convexity</b>	Max. 0.8% with a minimum of 0.5mm	<b>Straightness</b>	0,15 % of total length and 3 mm over any 1 mtr Length
<b>Twist</b>	2.0mm plus 0.5mm / mtrs length	<b>Weight</b>	± 6 % on individual delivered lengths
<b>Length (Random length / Unless Otherwise Specified)</b>	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.

# Square Hollow Sections (SHS)

## 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
90.0	90.0	6.0	90.0	90.0	6.0	15.10	66	92.0	11
90.0	90.0	6.3	90.0	90.0	6.3	15.50	65	94.5	11
90.0	90.0	8.0	90.0	90.0	8.0	18.90	53	115.2	9
100.0	100.0	3.0	100.0	100.0	3.0	8.96	112	54.6	18
100.0	100.0	4.0	100.0	100.0	4.0	11.70	85	71.3	14
100.0	100.0	5.0	100.0	100.0	5.0	14.40	69	87.8	11
100.0	100.0	6.0	100.0	100.0	6.0	17.00	59	103.6	10
100.0	100.0	6.3	100.0	100.0	6.3	17.50	57	106.7	9
100.0	100.0	8.0	100.0	100.0	8.0	21.40	47	130.5	8
100.0	100.0	10.0	100.0	100.0	10.0	25.60	39	156.1	6
100.0	100.0	12.0	100.0	100.0	12.0	28.30	35	172.5	6
100.0	100.0	12.5	100.0	100.0	12.5	29.10	34	177.4	6
120.0	120.0	3.0	120.0	120.0	3.0	10.80	93	65.8	15
120.0	120.0	4.0	120.0	120.0	4.0	14.20	70	86.6	12
120.0	120.0	5.0	120.0	120.0	5.0	17.50	57	106.7	9
120.0	120.0	6.0	120.0	120.0	6.0	20.70	48	126.2	8
120.0	120.0	6.3	120.0	120.0	6.3	21.40	47	130.5	8
120.0	120.0	8.0	120.0	120.0	8.0	26.40	38	160.9	6
120.0	120.0	10.0	120.0	120.0	10.0	31.80	31	193.9	5
120.0	120.0	12.0	120.0	120.0	12.0	35.80	28	218.2	5
120.0	120.0	12.5	120.0	120.0	12.5	36.90	27	224.9	4
140.0	140.0	4.0	140.0	140.0	4.0	16.80	60	102.4	10
140.0	140.0	5.0	140.0	140.0	5.0	20.70	48	126.2	8
140.0	140.0	6.0	140.0	140.0	6.0	24.50	41	149.4	7
140.0	140.0	6.3	140.0	140.0	6.3	25.40	39	154.8	6
140.0	140.0	8.0	140.0	140.0	8.0	31.40	32	191.4	5
140.0	140.0	10.0	140.0	140.0	10.0	38.10	26	232.3	4
140.0	140.0	12.0	140.0	140.0	12.0	43.40	23	264.6	4
140.0	140.0	12.5	140.0	140.0	12.5	44.80	22	273.1	4
150.0	150.0	4.0	150.0	150.0	4.0	18.00	56	109.7	9
150.0	150.0	5.0	150.0	150.0	5.0	22.30	45	135.9	7
150.0	150.0	6.0	150.0	150.0	6.0	26.40	38	160.9	6
150.0	150.0	6.3	150.0	150.0	6.3	27.40	36	167.0	6
150.0	150.0	8.0	150.0	150.0	8.0	33.90	29	206.7	5
150.0	150.0	10.0	150.0	150.0	10.0	41.30	24	251.8	4
150.0	150.0	12.0	150.0	150.0	12.0	47.10	21	287.1	3
150.0	150.0	12.5	150.0	150.0	12.5	48.70	21	296.9	3
160.0	160.0	4.0	160.0	160.0	4.0	19.30	52	117.7	8

### Following Manufacturing Tolerance shall be permitted

<b>Outside dimensions of sides</b>	H, B < 100 : ± 1 % with a min of 0.5mm 100 ≤ H, B ≤ 200 : ± 0.8% H, B > 200 : ± 0.6%	<b>External corner profile</b>	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
<b>Thickness</b>	T ≤ 5 mm: ± 10 % T > 5 mm: ± 0.5 mm	<b>Squareness of sides</b>	90 Degree ± 1 Degree
<b>Concavity/Convexity</b>	Max. 0.8% with a minimum of 0.5mm	<b>Straightness</b>	0,15 % of total length and 3 mm over any 1 mtr Length
<b>Twist</b>	2.0mm plus 0.5mm / mtrs length	<b>Weight</b>	± 6 % on individual delivered lengths
<b>Length (Random length / Unless Otherwise Specified)</b>	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.

# Square Hollow Sections (SHS)

## TECHNICAL DATA FOR COLD FORMED WELDED SQUARE 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
160.0	160.0	5.0	160.0	160.0	5.0	23.80	42	145.1	7
160.0	160.0	6.0	160.0	160.0	6.0	28.30	35	172.5	6
160.0	160.0	6.3	160.0	160.0	6.3	29.30	34	178.6	6
160.0	160.0	8.0	160.0	160.0	8.0	36.50	27	222.5	4
160.0	160.0	10.0	160.0	160.0	10.0	44.40	23	270.7	4
160.0	160.0	12.0	160.0	160.0	12.0	50.90	20	310.3	3
160.0	160.0	12.5	160.0	160.0	12.5	52.60	19	320.6	3
180.0	180.0	4.0	180.0	180.0	4.0	21.80	46	132.9	8
180.0	180.0	5.0	180.0	180.0	5.0	27.00	37	164.6	6
180.0	180.0	6.0	180.0	180.0	6.0	32.10	31	195.7	5
180.0	180.0	6.3	180.0	180.0	6.3	33.30	30	203.0	5
180.0	180.0	8.0	180.0	180.0	8.0	41.50	24	253.0	4
180.0	180.0	10.0	180.0	180.0	10.0	50.70	20	309.1	3
180.0	180.0	12.0	180.0	180.0	12.0	58.50	17	356.6	3
180.0	180.0	12.5	180.0	180.0	12.5	60.50	17	368.8	3
200.0	200.0	4.0	200.0	200.0	4.0	24.30	41	148.1	7
200.0	200.0	5.0	200.0	200.0	5.0	30.10	33	183.5	5
200.0	200.0	6.0	200.0	200.0	6.0	35.60	28	217.0	5
200.0	200.0	6.3	200.0	200.0	6.3	37.20	27	226.8	4
200.0	200.0	8.0	200.0	200.0	8.0	46.50	22	283.5	4
200.0	200.0	10.0	200.0	200.0	10.0	57.00	18	347.5	3
200.0	200.0	12.0	200.0	200.0	12.0	66.00	15	402.3	2
200.0	200.0	12.5	200.0	200.0	12.5	68.30	15	416.4	2
220.0	220.0	5.0	220.0	220.0	5.0	33.20	30	202.4	5
220.0	220.0	6.0	220.0	220.0	6.0	39.60	25	241.4	4
220.0	220.0	6.3	220.0	220.0	6.3	41.20	24	251.2	4
220.0	220.0	8.0	220.0	220.0	8.0	51.50	19	313.9	3
220.0	220.0	10.0	220.0	220.0	10.0	63.20	16	385.3	3
220.0	220.0	12.0	220.0	220.0	12.0	73.50	14	448.1	2
220.0	220.0	12.5	220.0	220.0	12.5	76.20	13	464.5	2
250.0	250.0	5.0	250.0	250.0	5.0	38.00	26	231.6	4
250.0	250.0	6.0	250.0	250.0	6.0	45.20	22	275.5	4
250.0	250.0	6.3	250.0	250.0	6.3	47.10	21	287.1	3
250.0	250.0	8.0	250.0	250.0	8.0	59.10	17	360.3	3
250.0	250.0	10.0	250.0	250.0	10.0	72.70	14	443.2	2
250.0	250.0	12.0	250.0	250.0	12.0	84.80	12	516.9	2
250.0	250.0	12.5	250.0	250.0	12.5	88.00	11	536.4	2
260.0	260.0	6.0	260.0	260.0	6.0	47.10	21	287.1	3

### Following Manufacturing Tolerance shall be permitted

<b>Outside dimensions of sides</b>	H, B < 100 : ± 1 % with a min of 0.5mm 100 ≤ H, B ≤ 200 : ± 0.8% H, B > 200 : ± 0.6%	<b>External corner profile</b>	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
<b>Thickness</b>	T ≤ 5 mm: ± 10 % T > 5 mm: ± 0.5 mm	<b>Squareness of sides</b>	90 Degree ± 1 Degree
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mm	mm	mm	(H) mm	(B) mm	mm	kg/mtr	mts/t	kgs/20'	pcs/mt
260.0	260.0	6.3	260.0	260.0	6.3	49.10	20	299.3	3
260.0	260.0	8.0	260.0	260.0	8.0	61.60	16	375.5	3
260.0	260.0	10.0	260.0	260.0	10.0	75.80	13	462.1	2
280.0	280.0	12.0	280.0	280.0	12.0	88.60	11	540.1	2
260.0	260.0	12.5	260.0	260.0	12.5	91.90	11	560.2	2
300.0	300.0	6.0	300.0	300.0	6.0	54.70	18	333.5	3
300.0	300.0	6.3	300.0	300.0	6.3	57.00	18	347.5	3
300.0	300.0	8.0	300.0	300.0	8.0	71.60	14	436.5	2
300.0	300.0	10.0	300.0	300.0	10.0	88.40	11	538.9	2
300.0	300.0	12.0	300.0	300.0	12.0	104.00	10	634.0	2
300.0	300.0	12.5	300.0	300.0	12.5	108.00	9	658.4	2
350.0	350.0	8.0	350.0	350.0	8.0	84.20	12	513.3	2
350.0	350.0	10.0	350.0	350.0	10.0	104.00	10	634.0	2
350.0	350.0	12.0	350.0	350.0	12.0	123.00	8	749.8	1
350.0	350.0	12.5	350.0	350.0	12.5	127.00	8	774.2	1

### Following Manufacturing Tolerance shall be permitted

<b>Outside dimensions of sides</b>	H, B < 100 : ± 1 % with a min of 0.5mm 100 ≤ H, B ≤ 200 : ± 0.8% H, B > 200 : ± 0.6%	<b>External corner profile</b>	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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