

**Hollow Section****HOLLOW STEEL SECTIONS FOR STRUCTURAL USE****AS PER IS : 4923 : 1997 (HOT DIP/BLACK, GLAVANIZED & PRE GLAVANIZED)****SQUARE HOLLOW SECTIONS (SHS)**

<b>Section SHS (mm)</b>	<b>Depth D (mm)</b>	<b>Width B (mm)</b>	<b>Thickness T (mm)</b>	<b>Weight W (Kg/m)</b>	<b>Mtr. /Tonne</b>
20 x 20	20	20	1.8	0.96	1037
	20	20	2	1.05	952
	20	20	2.4	1.21	826
	20	20	2.6	1.28	779
25 x 25	25	25	2.6	1.69	591
	25	25	3.2	1.98	504
30 x 30	30	30	2.6	2.1	476
	30	30	3.2	2.49	402
	30	30	4	2.94	340
32 x 32	32	32	2	1.8	555
	32	32	2.4	2.11	473
	32	32	2.6	2.26	442
	32	32	2.9	2.48	403
	32	32	3.2	2.69	372
38 x 38	38	38	2	2.18	459
	38	38	2.4	2.57	390
	38	38	2.6	2.75	363
	38	38	2.9	3.03	330
	38	38	3.2	3.29	304
	38	38	3.6	3.63	276
40 x 40	40	40	2.6	2.92	343
	40	40	3.2	3.49	286
	40	40	3.6	3.85	260
	40	40	4	4.2	238
49.5 x 49.5	49.5	49.5	2	2.9	345
	49.5	49.5	2.4	3.43	291
	49.5	49.5	2.6	3.69	271
	49.5	49.5	2.9	4.07	245
	49.5	49.5	3.2	4.45	225
	49.5	49.5	3.6	4.93	203
	49.5	49.5	4	5.39	185
	49.5	49.5	4.5	5.95	168
60 x 60	60	60	2	3.56	281
	60	60	2.4	4.22	237
	60	60	2.6	4.55	220
	60	60	2.9	5.03	199
	60	60	3.2	5.5	182
	60	60	3.6	6.11	164
	60	60	4	6.71	149
70x70	70	70	2.4	4.98	201
	70	70	2.6	5.37	186
	70	70	2.9	5.94	168

	70	70	3.2	6.51	154
	70	70	3.6	7.24	138
	70	70	4	7.97	126
	70	70	4.5	8.85	113
72 x 72	72	72	3.2	6.71	149
	72	72	4	8.22	122
	72	72	4.8	9.66	103
80 x 80	80	80	2.4	5.73	174
	80	80	2.6	6.18	162
	80	80	2.9	6.85	146
	80	80	3.2	7.51	133
	80	80	3.6	8.37	119
	80	80	4	9.22	108
	80	80	4.5	10.26	97
91.5x91.5	91.5	91.5	3.6	9.67	103
	91.5	91.5	4.5	11.88	84
	91.5	91.5	5.4	14.01	71
100 x 100	100	100	3.2	9.52	105
	100	100	3.6	10.64	94
	100	100	4	11.73	85
	100	100	4.5	13.09	76
	100	100	4.8	13.88	72
	100	100	5	14.41	69
132 x 132	132	132	4.8	18.71	53
	132	132	5.4	20.88	48
150 x 150	150	150	5	22.26	45
	150	150	6	26.4	38

**RECTANGULAR HOLLOW SECTIONS (RHS)**

<b>Section RHS (mm)</b>	<b>Depth D (mm)</b>	<b>Width B (mm)</b>	<b>Thickness T (mm)</b>	<b>Weight W (Kg/m)</b>	<b>Mtr. /Tonne</b>
30 x 20	30	20	2	1.36	733
40 x 20	40	20	2	1.68	596
40 x 30	40	30	2	1.99	502
	40	30	2.4	2.34	427
	40	30	2.6	2.51	399
	40	30	2.9	2.75	363
	40	30	3.2	2.99	335
	40	30	4	3.57	280
50 x 25	50	25	2.9	2.98	335
	50	25	3.2	3.24	309
50 x 30	50	30	2	2.31	434
	50	30	2.4	2.72	368
	50	30	2.6	2.92	343
	50	30	2.9	3.21	312
	50	30	3.2	3.49	286
	50	30	4	4.2	238

50 x 40	50	40	2	2.62	382
	50	40	2.4	3.09	323
	50	40	2.6	3.33	301
	50	40	2.9	3.66	273
	50	40	3.2	3.99	250
	50	40	4	4.83	207
66 x 33	66	33	2.9	4.07	245
	66	33	3.6	4.93	203
	66	33	4.5	5.95	168
60 x 40	60	40	2	2.93	341
	60	40	2.4	3.47	288
	60	40	2.6	3.73	268
	60	40	3.2	4.5	222
	60	40	4	5.45	183
70 x 30	70	30	2.9	4.12	243
	70	30	3.2	4.5	222
	70	30	4	5.45	183
76 x 38	76	38	2.9	4.76	210
	76	38	3.2	5.2	192
	76	38	3.6	5.77	173
	76	38	4	6.33	158
80 x 40	80	40	2.9	5.03	199
	80	40	3.2	5.5	182
	80	40	4	6.71	149
80 x 50	80	50	2.9	5.49	182
	80	50	3.2	6	167
	80	50	3.6	6.68	150
	80	50	4	7.34	136
96 x 48	96	48	3.2	6.71	149
	96	48	4	8.22	122
	196	48	4.8	9.66	103
100 x 50	100	50	3.2	7.01	143
	100	50	3.6	7.81	128
	100	50	4	8.59	116
	100	50	4.5	9.55	105
115 x 60	1 15.00	60	3.2	8.26	121
	115	60	3.6	9.22	108
	115	60	4	10.16	98
	115	60	4.5	11.32	88
	115	60	4.8	12	83
	1 15.00	60	5	12.45	80
122 x 61	122	61	3.6	9.67	103
	122	61	4.5	11.88	84
	122	61	5.4	14.01	71
145 x 82	145	82	4.8	15.92	63
	145	82	5.4	17.74	56
172x92	172	92	4.8	18.71	53
	172	92	5.4	20.88	48

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

<b>Tolerance</b>					
O.D.	1% With Minimum	+/- 0.5	mm		
Thickness	+/-10%				
Weight	- 8% +10%				
Single Pipe	- 8% +10%				
On lots of 10	+/- 7.5%				