

Properties of Structural (Square Hollow Section)				
IS : 4923 : 1997 / EN 10219-1 : 2006** / ASTM A - 500				
NB	Wall Thickness	See Area	Nominal Weight	
			Plain End	
	MM	CM	KG/M	Mtr/Ton
25 x 25 mm	1.60	1.43	1.12	893
	2.00	1.74	1.36	735
	2.60	2.16	1.69	592
	3.20	2.53	1.98	505
32 x 32 mm	2.00	2.30	1.80	556
	2.60	2.88	2.26	442
	3.20	3.42	2.69	372
38 x 38 mm	2.00	2.78	2.18	459
	2.60	3.51	2.75	364
	3.20	4.19	3.29	304
	4.00	5.03	3.95	253
40 x 40 mm	2.00	3.72	2.92	342
	2.90	4.09	3.21	312
	3.20	4.45	3.49	287
	4.00	5.35	4.20	238
49.5 x 49.5 mm	2.60	4.70	3.69	271
	2.90	5.19	4.07	246
	3.60	6.28	4.93	203
	4.50	7.58	5.95	168
60 x 60 mm	2.60	5.80	4.55	220
	2.90	6.41	5.03	199
	3.20	7.01	5.50	182
	4.00	8.55	6.71	149
	4.80	10.01	7.85	127
72 x 72 mm	3.20	8.54	6.71	149
	4.00	10.47	8.22	122
	4.80	12.31	9.66	104
80 x 80 mm	3.20	9.57	7.51	133
	4.00	11.75	9.22	108
	4.80	13.85	10.87	92
91.5 x 91.5 mm	3.60	12.32	9.67	103
	4.50	15.40	11.88	84
	5.40	17.85	14.01	71
100 x 100 mm	4.00	14.95	11.73	85
	5.00	18.36	14.41	69
	6.00	21.63	16.98	59
140 x 140 mm	4.80	25.36	19.91	50
	5.40	28.32	22.30	45
	6.00	31.23	24.52	41
	8.00	40.59	31.86	31
113.5 x 113.5 mm	4.80	20.28	15.92	63
	5.40	22.60	17.74	56
132 x 132 mm	4.80	23.83	16.71	60
	5.40	26.59	20.88	48

150 x 150 mm	4.00	22.95	18.01	56
	5.00	28.36	22.26	45
	6.00	33.63	26.40	38
	7.00	38.78	30.44	33
	8.00	43.79	44.38	23
180 x 180 mm	4.00	27.75	21.78	46
	5.00	43.36	26.97	37
	6.00	40.83	32.05	31
	7.00	47.18	33.03	30
	8.00	53.39	41.91	24
220 x 220 mm	4.00	34.15	26.61	38
	5.00	42.36	33.25	30
	6.00	50.43	39.59	25
	7.00	58.38	45.83	22
	8.00	66.19	51.96	19
250 x 250 mm	4.00	38.95	30.57	33
	5.00	48.36	37.96	26
	6.00	57.63	45.24	22
	7.00	66.78	52.42	19
	8.00	75.79	59.50	17