

DIMENSIONS & PROPERTIES OF SQUARE HOLLOW SECTION

AS PER IS:4923

SHS (DXB) (mm)	T (mm)	WEIGHT (kg/m)	AREA (cm ²)	I _x (cm ⁴)	R _x (cm)	Z _x (cm ³)	I _y (cm ⁴)	R _y (cm)	Z _y (cm ³)
25X25	2	1.36	1.74	1.48	0.92	1.19	1.48	0.92	1.19
25X25	2.6	1.69	2.16	1.72	0.89	1.38	1.72	0.89	1.38
25X25	3.2	1.98	2.53	1.89	0.86	1.51	1.89	0.86	1.51
32X32	2	1.8	2.3	3.36	1.21	2.1	3.36	1.21	2.1
32X32	2.6	2.26	2.88	4.02	1.18	2.51	4.02	1.18	2.51
32X32	3.2	2.69	3.42	4.54	1.15	2.84	4.54	1.15	2.84
38X38	2.6	2.75	3.51	7.14	1.43	3.76	7.14	1.43	3.76
38X38	3.2	3.29	4.19	8.18	1.4	4.3	8.18	1.4	4.3
38X38	4	3.95	5.03	9.26	1.36	4.87	9.26	1.36	4.87
40X40	2	2.31	2.94	6.94	1.54	3.47	6.94	1.54	3.47
40X40	2.6	2.92	3.72	8.45	1.51	4.22	8.45	1.51	4.22
40X40	3.2	3.49	4.45	9.72	1.48	4.86	9.72	1.48	4.86
40X40	3.6	3.85	4.91	10.45	1.46	5.22	10.45	1.46	5.22
40X40	4	4.2	5.35	11.07	1.44	5.54	11.07	1.44	5.54
49.5X49.5	2.6	3.69	4.7	16.91	1.9	6.83	16.91	1.9	6.83
49.5X49.5	2.9	4.07	5.19	18.37	1.88	7.42	18.37	1.88	7.42
49.5X49.5	3.6	4.93	6.28	21.42	1.85	8.66	21.42	1.85	8.66
49.5X49.5	4.5	5.95	7.58	24.64	1.8	9.96	24.64	1.8	9.96
60X60	2	3.56	4.54	25.14	2.35	8.38	25.14	2.35	8.38
60X60	2.6	4.55	5.8	31.33	2.33	10.44	31.33	2.33	10.44
60X60	3.2	5.5	7.01	36.94	2.3	12.31	36.94	2.3	12.31
60X60	4	6.71	8.55	43.55	2.26	14.52	43.55	2.26	14.52
60X60	4.8	7.85	10	49.21	2.22	16.4	49.21	2.22	16.4
72X72	2.6	5.53	7.04	55.82	2.82	15.51	55.82	2.82	15.51
72X72	3.2	6.71	8.54	66.32	2.79	18.42	66.32	2.79	18.42
72X72	4	8.22	10.47	79.03	2.75	21.95	79.03	2.75	21.95
72X72	4.8	9.66	12.31	90.31	2.71	25.09	90.31	2.71	25.09
91.5X91.5	2.6	7.12	9.07	118.32	3.61	25.86	118.32	3.61	25.86
91.5X91.5	3.6	9.67	12.32	156.48	3.56	34.20	156.48	3.56	34.20
91.5X91.5	4.5	11.88	15.14	187.56	3.52	41.00	187.56	3.52	41.00