

DIMENSIONS & PROPERTIES OF RECTANGULAR HOLLOW SECTION

AS PER IS:4923-97

RHS (DXB) (mm)	T (mm)	WEIGHT (kg/m)	AREA (cm ²)	I _{x-x} (cm ⁴)	I _{y-y} (cm ⁴)	R _{x-x} (cm)	R _{y-y} (cm)	Z _{x-x} (cm ³)	Z _{y-y} (cm ³)
50X25	2	2.15	2.74	8.38	2.81	1.75	1.01	3.35	2.25
50X25	2.6	2.71	3.46	10.16	3.36	1.71	0.99	4.06	2.69
50X25	3.2	3.24	4.13	11.63	3.8	1.68	0.96	4.65	3.04
60X40	2.6	3.73	4.76	22.76	12.09	2.19	1.59	7.59	6.05
60X40	2.9	4.12	5.25	24.74	13.11	2.17	1.58	8.25	6.56
60X40	3.6	4.98	6.35	28.9	15.23	2.13	1.55	9.63	7.62
66X33	2.6	3.69	4.7	25.15	8.43	2.31	1.34	7.62	5.11
66X33	2.9	4.07	5.19	27.33	9.12	2.29	1.33	8.28	5.53
66X33	3.6	4.93	6.28	31.87	10.52	2.25	1.29	9.66	6.37
80X40	2.6	4.55	5.8	46.58	15.74	2.84	1.65	11.65	7.87
80X40	2.9	5.03	6.41	50.87	17.11	2.82	1.63	12.72	8.56
80X40	3.2	5.5	7.01	54.94	18.41	2.8	1.62	13.74	9.21
80X40	4	6.71	8.55	64.79	21.49	2.75	1.59	16.2	10.74
96X48	2.6	5.53	7.04	82.95	28.19	3.43	2	17.28	11.74
96X48	3.2	6.71	8.54	98.61	33.28	3.4	1.97	20.54	13.87
96X48	4	8.22	10.47	117.54	39.32	3.35	1.94	24.49	16.38
122X61	3.6	9.67	12.32	232.61	78.83	4.34	2.35	38.13	25.84
122X61	4.5	11.88	15.14	278.94	93.78	4.29	2.49	45.73	30.75
122X61	5.4	14.01	17.85	320.83	107.03	4.24	2.45	52.60	35.09