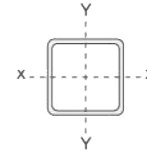


Square Hollow Sections



ASTM A - 500

Nominal Size		t Wall Thickness	Calculated Weight		Sectional Area	Moment of Inertia		Section Modulus		Radius of Gyration		Plastic Modulus	
			mm	kg/m		kg/6m	cm ²	Ix cm ⁴	Iy cm ⁴	Zx cm ³	Zy cm ³	ix cm	iy cm
19 x 19	3/4 x 3/4	1.6	0.822	4.932	1.048	0.511	0.511	0.538	0.538	0.698	0.698	0.668	0.668
20 x 20	-	1.6	0.873	5.238	1.112	0.608	0.608	0.608	0.608	0.739	0.739	0.751	0.751
		2.0	1.050	6.300	1.337	0.692	0.692	0.692	0.692	0.720	0.720	0.877	0.877
25 x 25	1 x 1	1.6	1.160	6.960	1.48	1.34	1.34	1.07	1.07	0.95	0.95	1.29	1.29
		2.3	1.600	9.600	2.04	1.75	1.75	1.40	1.40	0.93	0.93	1.73	1.73
		3.0	2.010	12.060	2.56	2.06	2.06	1.65	1.65	0.90	0.90	2.10	2.10
30 x 30	-	1.6	1.410	8.460	1.80	2.40	2.40	1.60	1.60	1.16	1.16	1.91	1.91
		2.3	1.970	11.820	2.50	3.19	3.19	2.12	2.12	1.13	1.13	2.59	2.59
		3.0	2.480	14.880	3.16	3.83	3.83	2.55	2.55	1.10	1.10	3.18	3.18
32 x 32	1 1/4 x 1 1/4	1.6	1.510	9.060	1.92	2.95	2.95	1.84	1.84	1.24	1.24	2.19	2.19
		1.8	1.690	10.140	2.15	3.25	3.25	2.03	2.03	1.23	1.23	2.42	2.42
		2.0	1.860	11.160	2.37	3.53	3.53	2.21	2.21	1.22	1.22	2.65	2.65
		2.3	2.110	12.660	2.69	3.93	3.93	2.46	2.46	1.21	1.21	2.98	2.98
		3.0	2.670	16.020	3.40	4.75	4.75	2.97	2.97	1.18	1.18	3.68	3.68
35 x 35	-	1.6	1.626	9.756	2.07	3.79	3.79	2.17	2.17	1.35	1.35	2.57	2.57
		2.0	1.992	11.952	2.54	4.51	4.51	2.58	2.58	1.33	1.33	3.09	3.09
		2.3	2.255	13.530	2.87	4.99	4.99	2.85	2.85	1.32	1.32	3.46	3.46
		3.0	2.833	16.998	3.61	5.95	5.95	3.40	3.40	1.28	1.28	4.23	4.23
		3.2	2.830	16.980	3.60	4.95	4.95	3.10	3.10	1.17	1.17	3.86	3.86
38 x 38	1 1/2 x 1 1/2	1.6	1.810	10.860	2.31	5.08	5.08	2.67	2.67	1.48	1.48	3.14	3.14
		2.0	2.230	13.380	2.85	6.12	6.12	3.22	3.22	1.47	1.47	3.83	3.83
		2.3	2.540	15.240	3.24	6.85	6.85	3.61	3.61	1.45	1.45	4.32	4.32
		3.0	3.240	19.440	4.12	8.38	8.38	4.41	4.41	1.43	1.43	5.38	5.38
40 x 40	-	1.6	1.880	11.280	2.39	5.79	5.79	2.90	2.90	1.56	1.56	3.41	3.41
		1.9	2.200	13.200	2.80	6.67	6.67	3.33	3.33	1.55	1.55	4.05	4.05
		2.0	2.310	13.860	2.94	6.94	6.94	3.47	3.47	1.54	1.54	4.13	4.13
		2.3	2.620	15.720	3.33	7.73	7.73	3.86	3.86	1.52	1.52	4.96	4.96
		3.0	3.300	19.800	4.21	9.39	9.39	4.70	4.70	1.51	1.51	6.27	6.27
50 x 50	2 x 2	1.6	2.410	14.460	3.08	12.0	12.0	4.79	4.79	1.97	1.97	5.57	5.57
		1.9	2.800	16.800	3.62	13.92	13.92	5.57	5.57	1.96	1.96	6.52	6.52
		2.3	3.410	20.460	4.34	16.4	16.4	6.56	6.56	1.94	1.94	7.74	7.74
		3.0	4.250	25.500	5.41	19.5	19.5	7.79	7.79	1.90	1.90	9.39	9.39
		4.0	5.450	32.700	6.95	23.7	23.7	9.49	9.49	1.85	1.85	11.7	11.7
		4.5	6.020	36.120	7.67	25.5	25.5	10.2	10.2	1.82	1.82	12.8	12.8
		5.0	6.560	39.360	8.36	27.0	27.0	10.8	10.8	1.80	1.80	13.7	13.7
6.0	7.560	45.360	9.63	29.5	29.5	11.8	11.8	1.75	1.75	15.3	15.3		
60 x 60	-	1.6	2.880	17.280	3.67	20.70	20.70	6.89	6.89	2.37	2.37	8.66	8.66
		2.3	4.060	24.360	5.17	28.30	28.30	9.44	9.44	2.34	2.34	11.0	11.0
		3.0	5.180	31.080	6.60	35.04	35.04	11.7	11.7	2.30	2.30	14.0	14.0
		4.0	6.710	40.260	8.55	42.30	42.30	14.1	14.1	2.24	2.24	17.8	17.8
		4.5	7.430	44.580	9.46	46.88	46.88	15.6	15.6	2.22	2.22	19.5	19.5
64 x 64	-	2.3	4.349	26.094	5.54	34.7	34.7	10.8	10.8	2.50	2.50	12.7	12.7
		3.0	5.564	33.384	7.09	43.2	43.2	13.5	13.5	2.47	2.47	16.0	16.0
		4.0	7.213	43.278	9.19	53.8	53.8	16.8	16.8	2.42	2.42	20.3	20.3
		4.5	7.998	47.988	10.19	58.5	58.5	18.3	18.3	2.40	2.40	22.3	22.3
		5.0	8.758	52.548	11.16	62.8	62.8	19.6	19.6	2.37	2.37	24.2	24.2
6.0	10.199	61.194	12.99	70.1	70.1	21.9	21.9	2.32	2.32	27.5	27.5		
65 x 65	2 1/2 x 2 1/2	1.6	3.133	18.798	3.99	26.5	26.5	8.2	8.2	2.58	2.58	9.4	9.4
		2.3	4.420	26.520	5.63	36.4	36.4	11.2	11.2	2.54	2.54	13.1	13.1
		3.0	5.660	33.960	7.21	45.4	45.4	14.0	14.0	2.51	2.51	16.6	16.6
		4.0	7.340	44.040	9.35	56.6	56.6	17.4	17.4	2.46	2.46	21.0	21.0
		4.5	8.140	48.840	10.37	61.6	61.6	18.9	18.9	2.44	2.44	23.1	23.1
		5.0	8.920	53.520	11.36	66.1	66.1	20.3	20.3	2.41	2.41	25.0	25.0
6.0	10.400	62.400	13.23	73.9	73.9	22.7	22.7	2.36	2.36	28.5	28.5		
75 x 75	3 x 3	1.6	3.636	21.816	4.63	41.3	41.3	11.0	11.0	2.99	2.99	12.7	12.7
		2.3	5.140	30.840	6.55	57.1	57.1	15.2	15.2	2.95	2.95	17.7	17.7
		3.0	6.600	39.600	8.41	71.6	71.6	19.1	19.1	2.92	2.92	22.5	22.5
		4.0	8.600	51.600	10.95	90.2	90.2	24.0	24.0	2.87	2.87	28.8	28.8
		4.5	9.550	57.300	12.17	98.6	98.6	26.3	26.3	2.85	2.85	31.7	31.7
		5.0	10.500	63.000	13.36	106.0	106.0	28.4	28.4	2.82	2.82	34.5	34.5
6.0	12.300	73.800	15.63	120.0	120.0	32.0	32.0	2.77	2.77	39.6	39.6		
80 x 80	-	2.30	5.505	33.028	7.01	69.9	69.9	17.5	17.5	3.16	3.16	20.3	20.3
		3.00	7.072	42.430	9.01	87.8	87.8	22.0	22.0	3.12	3.12	25.8	25.8
		4.00	9.223	55.336	11.75	111.0	111.0	27.8	27.8	3.07	3.07	33.1	33.1
		4.50	10.259	61.556	13.07	121.6	121.6	30.4	30.4	3.05	3.05	36.5	36.5
		5.00	11.270	67.622	14.36	131.5	131.5	32.9	32.9	3.03	3.03	39.7	39.7
		6.0	13.215	79.289	16.83	149.2	149.2	37.3	37.3	2.98	2.98	45.8	45.8