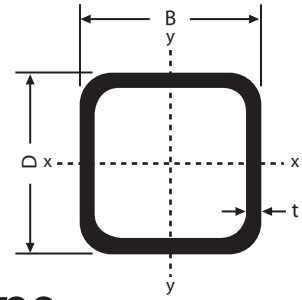


Cold Formed Square Hollow Sections

(Metric units)

Section Size	Wall Thickness	Unit Weight	Section Area	Moment of Inertia		Radius of Gyration		Moment of Inertia	
				I_x	I_y	i_x	i_y	Z_x	Z_y
D x B	t	M	A	I_x	I_y	i_x	i_y	Z_x	Z_y
mm	mm	kg/m	cm ²	cm ⁴	cm ⁴	cm	cm	cm ³	cm ³
13 x 13	1.2	0.40	0.51	0.10	0.10	0.45	0.45	0.16	0.16
	1.6	0.50	0.64	0.12	0.12	0.43	0.43	0.19	0.19
16 x 16	1.2	0.52	0.67	0.23	0.23	0.59	0.59	0.29	0.29
	1.6	0.67	0.85	0.27	0.27	0.57	0.57	0.34	0.34
19 x 19	1.2	0.64	0.81	0.41	0.41	0.71	0.71	0.44	0.44
	1.6	0.82	1.04	0.50	0.50	0.69	0.69	0.53	0.53
25 x 25	1.2	0.86	1.10	1.02	1.02	0.96	0.96	0.81	0.81
	1.6	1.12	1.43	1.26	1.26	0.94	0.94	1.01	1.01
	2.3	1.53	1.95	1.59	1.59	0.90	0.90	1.27	1.27
	3.0	1.93	2.48	1.96	1.96	0.89	0.89	1.54	1.54
32 x 32	1.2	1.12	1.42	2.16	2.16	1.24	1.24	1.38	1.38
	1.6	1.46	1.87	2.75	2.75	1.22	1.22	1.74	1.74
	2.3	2.02	2.68	3.93	3.93	1.21	1.21	2.46	2.46
	3.0	2.53	3.26	4.29	4.29	1.15	1.15	2.70	2.70
38 x 38	1.2	1.35	1.72	3.85	3.85	1.49	1.49	2.02	2.02
	1.6	1.77	2.26	4.91	4.91	1.47	1.47	2.58	2.58
	2.3	2.47	3.14	6.51	6.51	1.43	1.43	3.42	3.42
	3.0	3.13	4.04	7.99	7.99	1.41	1.41	4.26	4.26
50 x 50	1.6	2.38	3.03	11.70	11.70	1.96	1.96	4.68	4.68
	2.3	3.34	4.25	15.90	15.90	1.93	1.93	6.34	6.34
	3.0	4.24	5.40	19.39	19.39	1.89	1.89	7.75	7.75
	3.2	4.50	5.73	20.40	20.40	1.89	1.89	8.16	8.16
	4.5	6.01	7.66	25.22	25.22	1.81	1.81	10.09	10.09
	6.0	7.56	9.63	28.76	28.76	1.72	1.72	11.50	11.50
65 x 65	2.3	4.31	5.51	33.88	33.88	2.46	2.46	10.75	10.75
	3.0	5.52	7.16	42.46	42.46	2.44	2.44	13.44	13.44
	4.5	8.04	10.24	57.44	57.44	2.37	2.37	18.19	18.19
	6.0	10.57	13.48	70.34	70.34	2.28	2.28	22.12	22.12
75 x 75	2.3	5.14	6.55	57.10	57.10	2.95	2.95	15.20	15.20
	3.0	6.60	8.40	71.50	71.50	2.91	2.91	19.06	19.06
	3.2	7.01	8.92	75.50	75.50	2.91	2.91	20.10	20.10
	4.5	9.55	12.16	98.16	98.16	2.84	2.84	26.17	26.17
	6.0	12.27	15.63	119.20	119.20	2.76	2.76	31.78	31.78



Cold Formed Square Hollow Sections

(Metric units)

Section Size	Wall Thickness	Unit Weight	Section Area	Moment of Inertia		Radius of Gyration		Moment of Inertia	
				I_x	I_y	i_x	i_y	Z_x	Z_y
D x B	t	M	A	I_x	I_y	i_x	i_y	Z_x	Z_y
mm	mm	kg/m	cm ²	cm ⁴	cm ⁴	cm	cm	cm ³	cm ³
100 x 100	2.3	6.95	8.85	140.00	140.00	3.97	3.97	27.90	27.90
	3.0	8.95	11.40	176.90	176.90	3.93	3.93	35.38	35.38
	3.2	9.52	12.13	187.00	187.00	3.93	3.93	37.50	37.50
	4.5	13.10	16.67	249.00	249.00	3.87	3.87	49.90	49.90
	6.0	17.00	21.63	311.00	311.00	3.79	3.79	62.30	62.30
125 x 125	2.3	8.75	11.15	278.02	278.02	4.99	4.99	44.48	44.48
	3.0	11.31	14.40	354.32	354.32	4.95	4.95	56.69	56.69
	3.2	12.00	15.33	376	376	4.95	4.95	60.10	60.10
	4.5	16.61	21.17	506	506	4.89	4.89	80.90	80.90
	6.0	21.70	27.63	641	641	4.82	4.82	103	103
150 x 150	9.0	31.10	39.67	865	865	4.67	4.67	108	108
	4.5	20.10	25.67	896	896	5.91	5.91	120	120
	6.0	26.40	33.63	1,150	1,150	5.84	5.84	153	153
	9.0	38.20	48.67	1,580	1,580	5.69	5.69	210	210
175 x 175	12.0	47.10	60.10	1,780	1,780	5.44	5.44	237	237
	6.0	31.10	39.63	1,860	1,860	6.86	6.86	213	213
200 x 200	9.0	45.30	57.67	2,600	2,600	6.71	6.71	297	297
	6.0	35.80	45.63	2,830	2,830	7.88	7.88	283	283
250 x 250	8.0	46.90	59.79	3,620	3,620	7.78	7.78	362	362
	9.0	52.30	66.67	3,990	3,990	7.73	7.73	399	399
	12.0	67.90	86.53	4,980	4,980	7.59	7.59	498	498
	6.0	45.20	57.63	5,670	5,670	9.92	9.92	454	454
300 x 300	9.0	66.50	84.67	8,090	8,090	9.78	9.78	647	647
	12.0	86.80	110.50	10,300	10,300	9.63	9.63	820	820
	6.0	54.70	69.63	9,960	9,960	12.00	12.00	664	664
350 x 350	9.0	80.60	102.70	14,300	14,300	11.80	11.80	956	956
	12.0	106.00	134.50	18,300	18,300	11.70	11.70	1,220	1,220
	16.0	138.00	175.20	23,100	23,100	11.50	11.50	1,540	1,540
	9.0	94.70	120.70	23,200	23,200	13.90	13.90	1,320	1,320
400 x 400	12.0	124.00	158.50	29,800	29,800	13.70	13.70	1,700	1,700
	16.0	163.00	207.20	37,900	37,900	13.50	13.50	2,160	2,160
	9.0	109.00	138.70	35,100	35,100	15.90	15.90	1,750	1,750
400 x 400	12.0	143.00	182.50	45,300	45,300	15.80	15.80	2,270	2,270
	16.0	188.00	239.20	57,900	57,900	15.60	15.60	2,900	2,900

Material Spec: ASTM A500 Gr A
 ASTM A500 Gr B
 EN10219 S275JR / JØ / J2H
 EN10219 S355JR / JØ / J2H