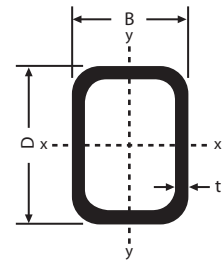


Cold Formed Rectangular Hollow Sections

(Metric units)

Section Size	Wall Thickness	Unit Weight	Section Area	Moment of Inertia		Radius of Gyration		Modulus of Section	
				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
25 x 12	1.20	0.67	0.85	0.62	0.21	0.87	0.50	0.51	0.33
	1.60	0.86	1.08	0.75	0.25	0.85	0.46	0.61	0.39
38 x 19	1.00	0.78	1.10	2.10	0.78	1.37	0.81	1.37	0.80
	1.20	1.02	1.30	2.41	0.81	1.36	0.79	1.27	0.85
	1.60	1.34	1.70	3.09	1.02	1.35	0.77	1.62	1.07
50 x 25	1.00	1.15	1.46	4.99	1.69	1.85	1.08	1.96	1.33
	1.20	1.36	1.86	5.99	2.04	1.84	1.07	2.36	1.59
	1.60	1.79	2.48	7.78	2.58	1.83	1.05	3.06	2.05
	2.30	2.48	3.19	9.86	3.23	1.76	1.01	3.94	2.59
	3.00	3.13	4.04	11.86	3.87	1.73	0.99	4.67	3.06
75 x 38	1.60	2.70	3.30	24.97	8.69	2.72	1.60	6.55	4.57
	2.30	3.85	4.85	34.60	12.00	2.67	1.57	9.23	6.30
	3.00	4.92	6.35	45.20	15.15	2.66	1.54	11.86	7.95
75 x 50	1.90	3.60	4.61	36.62	20.22	2.84	2.09	9.61	7.96
	2.30	4.24	5.40	41.86	22.36	2.78	2.03	11.16	8.94
	3.00	5.42	6.90	52.06	27.67	2.74	2.00	13.88	11.06
	4.50	7.78	9.91	70.20	36.87	2.66	1.92	18.72	14.74
	6.00	10.56	13.47	91.98	47.86	2.62	1.88	24.09	18.85
100 x 50	1.90	4.36	5.48	73.67	25.47	3.65	2.15	14.50	10.02
	2.30	5.14	6.55	84.80	29.00	3.60	2.10	17.00	11.60
	3.00	6.60	8.40	106.33	35.95	3.55	2.06	21.26	14.38
	3.20	7.01	8.93	112.00	38.00	3.55	2.06	22.50	15.20
	4.50	9.55	12.16	146.18	48.51	3.46	1.99	29.23	19.40
	6.00	12.27	15.63	177.71	57.80	3.37	1.92	35.54	23.12
100 x 75	2.30	6.04	7.70	112.22	72.25	3.81	3.06	22.44	19.26
	3.00	7.77	9.90	141.61	90.94	3.78	3.02	28.32	24.25
	4.50	11.31	14.41	197.48	126.12	3.70	2.95	39.49	33.63
	6.00	14.72	18.63	243.98	154.91	3.61	2.88	48.79	41.31
125 x 50	2.30	6.04	7.70	148.17	35.44	4.38	2.14	23.70	14.17
	3.00	7.77	9.90	186.87	44.24	4.34	2.11	29.90	17.69
	4.50	11.31	14.41	260.18	60.16	4.24	2.04	41.62	24.06
	6.00	14.62	18.63	320.77	72.32	4.14	1.97	51.32	28.92
125 x 75	2.30	6.95	8.85	192.00	87.50	4.65	3.14	30.60	23.30
	3.00	8.95	11.40	242.69	110.38	4.61	3.11	38.83	29.43
	3.20	9.52	12.13	257.00	117.00	4.60	3.10	41.10	31.10
	4.50	13.08	16.66	341.86	154.08	4.52	3.04	54.69	41.08
	6.00	16.98	21.63	426.98	190.62	4.44	2.96	68.31	50.83



Cold Formed Rectangular Hollow Sections

(Metric units)

Section Size	Wall Thickness	Unit Weight	Section Area	Moment of Inertia		Radius of Gyration		Modulus of Section	
				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
150 x 75	3.00	10.13	12.90	379.41	129.85	5.42	3.17	50.58	34.62
	3.20	10.80	13.73	402.00	137.00	5.41	3.16	53.60	36.60
	4.50	14.85	18.91	538.22	182.03	5.33	3.10	71.77	48.54
	6.00	19.33	24.63	677.58	226.32	5.24	3.03	90.34	60.35
	9.00	27.60	35.17	905.00	297.00	5.07	2.91	121.00	79.20
150 x 100	3.00	11.31	14.40	460.45	247.47	5.65	4.14	61.39	49.49
	3.20	12.00	15.33	488.00	262.00	5.64	4.14	65.10	52.50
	4.50	16.60	21.17	658.00	352.00	5.58	4.08	87.70	70.40
	6.00	21.70	27.63	835.00	444.00	5.50	4.01	111.08	88.80
	9.00	31.10	39.67	1,430.00	595.00	5.33	3.87	151.00	119.00
200 x 100	4.50	20.10	25.67	1,330.00	455.00	7.20	4.21	133.00	90.90
	6.00	26.40	33.63	1,700.00	577.00	7.12	4.14	170.00	115.00
	9.00	38.20	48.67	2,350.00	782.00	6.94	4.01	235.00	156.00
	12.00	49.10	62.53	2,860.00	939.00	6.76	3.87	286.00	188.00
200 x 150	6.00	31.10	39.63	2,270.00	1,460.00	7.56	6.06	227.00	194.00
	9.00	45.30	57.67	3,170.00	2,020.00	7.41	5.93	317.00	270.00
	12.00	58.50	74.53	3,920.00	2,500.00	7.25	5.79	392.00	330.00
250 x 150	6.00	35.80	45.63	3,890.00	1,770.00	9.23	6.23	311.00	236.00
	9.00	52.30	66.67	5,480.00	2,470.00	9.06	6.09	438.00	330.00
	12.00	67.90	86.53	6,850.00	3,070.00	8.90	5.95	548.00	409.00
300 x 200	6.00	45.20	57.63	7,370.00	3,960.00	11.30	8.29	491.00	396.00
	9.00	66.50	84.67	10,500.00	5,630.00	11.20	8.16	702.00	563.00
	12.00	86.80	110.50	13,400.00	7,110.00	11.00	8.02	890.00	711.00
400 x 200	6.00	54.70	69.63	14,800.00	5,090.00	14.60	8.55	739.00	509.00
	9.00	80.60	102.70	21,300.00	7,270.00	14.40	8.42	1,070.00	727.00
	12.00	106.00	134.50	27,300.00	9,230.00	14.20	8.28	1,360.00	923.00

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