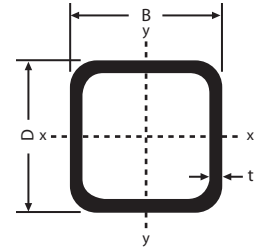


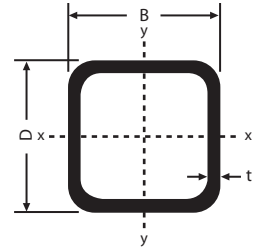
Hot Finished Square Hollow Sections



(Metric units)

Section Size	Wall Thickness	Unit Weight	Section Area	Second Moment of Area	Radius of Gyration	Elastic Modulus	Plastic Modulus	Torsional Constants		Surface Area Per Metre
								J	C	
D x B	t	M	A	I	r	Z	S	J	C	
mm	mm	kg/m	cm ²	cm ⁴	cm ⁴	cm ³	cm ³	cm ⁴	cm ³	m ² /m
20 x 20	2.00	1.12	1.40	0.74	0.73	0.74	0.93	1.22	1.07	0.07
	2.50	1.35	1.68	0.84	0.71	0.84	1.08	1.41	1.20	0.07
25 x 25	2.00	1.41	1.80	1.56	0.93	1.25	1.53	2.52	1.81	0.09
	2.50	1.74	2.18	1.81	0.91	1.44	1.82	2.97	2.08	0.09
	3.00	2.00	2.54	2.00	0.89	1.60	2.06	3.35	2.30	0.09
	3.20	2.15	2.68	2.06	0.88	1.65	2.15	3.48	2.37	0.09
30 x 30	2.50	2.14	2.68	3.33	1.11	2.22	2.74	5.40	3.22	0.11
	3.00	2.47	3.14	3.74	1.09	2.50	3.14	6.16	3.60	0.11
	3.20	2.65	3.32	3.89	1.08	2.59	3.29	6.44	3.74	0.11
35 x 35	4.00	3.76	4.79	7.48	1.25	4.28	5.47	12.50	6.16	0.13
	6.00	5.16	6.57	8.81	1.16	5.03	6.91	15.40	7.19	0.13
40 x 40	2.50	2.92	3.68	8.54	1.52	4.27	5.14	13.60	6.22	0.15
	3.00	3.45	4.34	9.78	1.50	4.89	5.97	15.70	7.10	0.15
	3.20	3.66	4.60	10.20	1.49	5.11	6.28	16.50	7.42	0.15
	4.00	4.46	5.59	11.80	1.45	5.91	7.44	19.50	8.54	0.15
	5.00	5.40	6.73	13.40	1.41	6.68	8.66	22.50	9.60	0.15
45 x 45	4.00	5.01	6.39	17.60	1.66	7.82	9.71	28.70	11.30	0.17
	5.00	6.07	7.73	20.10	1.61	8.95	11.41	33.50	12.90	0.17
50 x 50	2.50	3.71	4.68	17.50	1.93	6.99	8.29	27.50	10.20	0.19
	3.00	4.39	5.54	20.20	1.91	8.08	9.70	32.10	11.80	0.19
	3.20	4.66	5.88	21.20	1.90	8.49	10.20	33.80	12.40	0.19
	4.00	5.72	7.19	25.00	1.86	9.99	12.30	40.40	14.50	0.19
	5.00	6.97	8.73	28.90	1.82	11.60	14.50	47.60	16.70	0.19
	6.00	8.15	10.20	32.00	1.77	12.80	16.50	53.60	18.40	0.19
	6.30	8.49	10.60	32.80	1.76	13.10	17.00	55.20	18.80	0.18
	8.00	10.31	12.70	35.20	1.70	14.10	19.20	60.90	20.10	0.18
10.00	11.70	14.90	37.60	1.59	15.00	21.40	66.70	21.40	0.17	
60 x 60	3.00	5.39	6.74	36.20	2.32	12.10	14.30	56.90	17.70	0.23
	3.20	5.67	7.16	38.20	2.31	12.70	15.20	60.20	18.60	0.23
	4.00	6.97	8.79	45.40	2.27	15.10	18.30	72.50	22.00	0.23
	5.00	8.54	10.70	53.30	2.23	17.80	21.90	86.40	25.70	0.23
	6.00	10.00	12.60	59.90	2.18	20.00	25.10	98.60	28.80	0.23
	6.30	10.50	13.10	61.60	2.17	20.50	26.00	102.00	29.60	0.22
	8.00	12.80	16.00	69.70	2.09	23.20	30.40	118.00	33.40	0.22
	10.00	14.90	18.90	75.50	2.00	25.20	34.40	131.00	36.00	0.21
70 x 70	3.00	6.28	7.94	59.00	2.73	16.90	19.90	92	24.80	0.27
	3.60	7.46	9.42	68.60	2.70	19.60	23.30	108	28.70	0.27
	5.00	10.10	12.70	88.50	2.64	25.30	30.80	142	36.80	0.27
	6.00	11.90	15.00	101.00	2.59	28.70	35.50	163	41.60	0.27
	6.30	12.50	15.60	104.00	2.58	29.70	36.90	169	42.90	0.26
	8.00	15.30	19.20	120.00	2.50	34.20	43.80	200	49.20	0.26

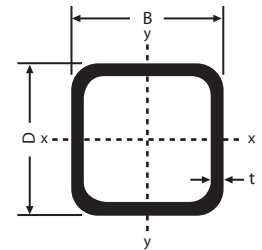
Hot Finished Square Hollow Sections



(Metric units)

Section Size	Wall Thickness	Unit Weight	Section Area	Second Moment of Area	Radius of Gyration	Elastic Modulus	Plastic Modulus	Torsional Constants		Surface Area Per Metre
								J	C	
D x B	t	M	A	I	r	Z	S	J	C	
mm	mm	kg/m	cm ²	cm ⁴	cm ⁴	cm ³	cm ³	cm ⁴	cm ³	m ² /m
75 x 75	3.20	7.25	9.08	77.50	2.92	20.70	24.30	121	30.30	0.29
	4.00	8.93	11.20	93.20	2.89	24.80	29.60	147	36.30	0.29
	5.00	11.00	13.70	111.00	2.84	29.60	35.80	177	43.00	0.29
	6.00	12.90	16.20	126.00	2.80	33.70	41.40	204	48.90	0.29
	6.30	13.50	16.90	131.00	2.78	34.90	43.00	212	50.50	0.28
	8.00	16.60	20.80	152.00	2.71	40.50	51.30	252	58.40	0.28
	10.00	19.60	24.90	170.00	2.61	45.40	59.40	289	65.10	0.27
80 x 80	3.00	7.18	9.14	89.80	3.13	22.50	26.30	140	33.00	0.31
	3.60	8.59	10.90	105.00	3.11	26.20	31.00	164	38.50	0.31
	5.00	11.70	14.70	137.00	3.05	34.20	41.10	217	49.80	0.31
	6.00	13.80	17.40	156.00	3.00	39.10	47.80	252	56.80	0.31
	6.30	14.40	18.10	162.00	2.99	40.50	49.70	262	58.70	0.30
	8.00	17.80	22.40	189.00	2.91	47.30	59.50	312	68.30	0.30
	10.00	21.10	26.90	214.00	2.82	53.50	69.30	360	76.80	0.29
90 x 90	3.60	9.72	12.30	152	3.52	33.80	39.70	237	49.70	0.35
	5.00	13.30	16.70	200	3.45	44.40	53.00	316	64.80	0.35
	6.00	15.70	19.80	230	3.41	51.10	61.80	367	74.30	0.35
	6.30	16.40	20.70	238	3.40	53.00	64.30	382	77.00	0.34
	8.00	20.40	25.60	281	3.32	62.60	77.60	459	90.50	0.34
	10.00	24.30	30.90	322	3.23	71.60	91.30	536	103.00	0.33
100 x 100	4.00	12.00	15.20	232	3.91	46.40	54.40	361	68.20	0.39
	5.00	14.80	18.70	279	3.86	55.90	66.40	439	81.80	0.39
	6.00	17.60	22.20	323	3.82	64.60	77.60	513	94.30	0.39
	6.30	18.40	23.20	336	3.80	67.10	80.90	534	97.80	0.38
	8.00	22.90	28.80	400	3.73	79.90	98.20	646	116.00	0.38
	10.00	27.90	34.90	462	3.64	92.40	116.00	761	133.00	0.37
	12.00	31.90	40.70	512	3.55	102.00	132.00	858	147.00	0.37
120 x 120	5.00	18.00	22.70	498	4.68	83.00	97.60	777	122	0.47
	6.00	21.30	27.00	579	4.63	96.60	115.00	911	141	0.47
	6.30	22.30	28.20	603	4.62	100.00	120.00	950	147	0.46
	8.00	27.90	35.20	726	4.55	121.00	146.00	1,160	176	0.46
	10.00	34.20	42.90	852	4.46	142.00	175.00	1,382	206	0.45
	12.50	41.60	52.10	982	4.34	164.00	207.00	1,623	236	0.45
140 x 140	5.00	21.10	26.70	807	5.50	115.00	135	1,253	170	0.55
	6.00	25.10	31.80	944	5.45	135.00	159	1,475	198	0.55
	8.00	32.90	41.60	1,195	5.36	171.00	204	1,892	249	0.54
	10.00	40.40	50.90	1,416	5.27	202.00	246	2,272	294	0.53
	12.50	49.50	62.10	1,653	5.16	236.00	293	2,696	342	0.53
150 x 150	5.00	22.70	28.70	1,002	5.90	134	156	1,550	197	0.59
	6.00	27.00	34.20	1,174	5.86	156	184	1,828	230	0.59
	6.30	28.30	35.80	1,223	5.85	163	192	1,909	240	0.58
	8.00	35.40	44.80	1,491	5.77	199	237	2,351	291	0.58
	10.00	43.60	54.90	1,773	5.68	236	286	2,832	344	0.57
	12.50	52.40	67.10	2,080	5.57	277	342	3,375	402	0.57
	16.00	66.40	83.00	2,430	5.41	324	411	4,026	467	0.56

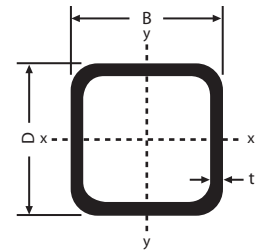
Hot Finished Square Hollow Sections



(Metric units)

Section Size	Wall Thickness	Unit Weight	Section Area	Second Moment of Area	Radius of Gyration	Elastic Modulus	Plastic Modulus	Torsional Constants		Surface Area Per Metre
								J	C	
D x B	t	M	A	I	r	Z	S	J	C	
mm	mm	kg/m	cm ²	cm ⁴	cm ⁴	cm ³	cm ³	cm ⁴	cm ³	m ² /m
160 x 160	12.50	57.30	72.10	2,576	5.98	322	395	4,158	467	0.61
	16.00	70.20	89.40	3,028	5.82	379	476	4,988	546	0.60
180 x 180	6.00	32.60	41.40	2,077	7.09	231	269	3,215	340	0.71
	6.30	34.20	43.30	2,168	7.07	241	281	3,361	355	0.70
	8.00	43.00	54.40	2,661	7.00	296	349	4,162	434	0.70
	10.00	53.00	66.90	3,193	6.91	355	424	5,048	518	0.69
	12.50	65.20	82.10	3,790	6.80	421	511	6,070	613	0.69
	16.00	81.40	102.00	4,504	6.64	500	621	7,343	724	0.68
200 x 200	5.00	30.50	38.70	2,445	7.95	245	283	3,756	362	0.79
	6.00	36.40	46.20	2,883	7.90	288	335	4,449	426	0.79
	6.30	38.20	48.40	3,011	7.89	301	350	4,653	444	0.78
	8.00	48.00	60.80	3,709	7.81	371	436	5,778	545	0.78
	10.00	59.30	74.90	4,471	7.72	447	531	7,031	655	0.77
	12.50	73.00	92.10	5,336	7.61	534	643	8,491	778	0.77
	16.00	91.50	115.00	6,394	7.46	639	785	10,340	927	0.76
220 x 220	5.00	33.50	42.70	3,281	8.76	298	344	5,028	442	0.87
	6.00	40.00	51.00	3,875	8.72	352	408	5,963	521	0.87
	8.00	52.70	67.20	5,002	8.63	455	532	7,765	669	0.86
	10.00	65.10	82.90	6,050	8.54	550	650	9,473	807	0.85
	12.00	77.20	98.30	7,023	8.45	638	762	11,090	933	0.85
	14.00	88.90	113.00	7,922	8.36	720	868	12,620	1,049	0.84
250 x 250	6.00	45.80	58.20	5,752	9.94	460	531	8,825	681	0.99
	6.30	48.10	61.00	6,014	9.93	481	556	9,238	712	0.98
	8.00	60.50	76.80	7,455	9.86	596	694	11,530	880	0.98
	10.00	75.00	94.90	9,055	9.77	724	851	14,110	1,065	0.97
	12.50	92.60	117.00	10,920	9.66	873	1,037	17,160	1,279	0.97
	16.00	117.00	147.00	13,270	9.50	1,061	1,280	21,140	1,546	0.96
260 x 260	6.00	47.60	60.60	6,491	10.40	499	576	9,951	740	1.02
	6.30	49.90	63.50	6,788	10.30	522	603	10,420	773	1.02
	8.00	62.80	80.00	8,423	10.30	648	753	13,010	956	1.02
	10.00	77.70	98.90	10,240	10.20	788	924	15,930	1,159	1.01
	12.00	92.20	117.00	11,950	10.10	920	1,087	18,730	1,348	1.01
	12.50	95.80	122.00	12,370	10.10	951	1,127	19,410	1,394	1.01
	14.00	106.00	136.00	13,560	10.00	1,043	1,244	21,400	1,525	1.00
	14.20	108.00	137.00	13,710	9.99	1,055	1,259	21,660	1,542	1.00
	16.00	120.00	153.00	15,060	9.91	1,159	1,394	23,940	1,689	1.00
	300 x 300	6.00	55.10	70.00	10,080	12.00	672	772	15,407	997
6.30		57.95	73.60	10,550	12.00	703	809	16,140	1,043	1.18
8.00		73.10	92.80	13,130	11.90	875	1,013	20,190	1,294	1.18
9.00		81.93	104.00	14,600	11.90	973	1,130	22,520	1,437	1.18
10.00		90.70	115.00	16,030	11.80	1,068	1,246	24,810	1,575	1.17
12.00		107.97	137.00	18,780	11.70	1,252	1,470	29,250	1,840	1.17
12.50		112.00	142.00	19,440	11.70	1,296	1,525	30,330	1,904	1.17
16.00		142.00	179.00	23,850	11.50	1,590	1,895	37,620	2,325	1.16

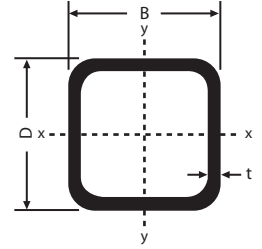
Hot Finished Square Hollow Sections



(Metric units)

Section Size	Wall Thickness	Unit Weight	Section Area	Second Moment of Area	Radius of Gyration	Elastic Modulus	Plastic Modulus	Torsional Constants		Surface Area Per Metre
								J	C	
D x B	t	M	A	I	r	Z	S	J	C	
mm	mm	kg/m	cm ²	cm ⁴	cm ⁴	cm ³	cm ³	cm ⁴	cm ³	m ² /m
350 x 350	6.00	64.50	82.20	16,170	14.00	924	1,058	24,650	1,373	1.38
	8.00	85.70	109.00	21,130	13.90	1,207	1,392	32,380	1,789	1.38
	10.00	106.00	135.00	25,880	13.90	1,479	1,715	39,890	2,185	1.37
	12.00	127.00	161.00	30,440	13.80	1,739	2,030	47,150	2,563	1.37
	12.50	132.00	167.00	31,540	13.70	1,802	2,107	48,930	2,654	1.37
	14.00	146.00	186.00	34,790	13.70	1,988	2,334	54,190	2,922	1.36
	14.20	148.00	189.00	35,210	13.70	2,012	2,364	54,880	2,957	1.36
	16.00	167.00	211.00	38,940	13.60	2,225	2,630	60,990	3,264	1.36
	19.00	190.00	248.00	44,820	13.50	2,561	3,055	70,760	3,744	1.35
	22.00	217.00	283.00	50,270	13.30	2,873	3,460	80,010	4,187	1.34
	25.00	242.00	318.00	55,320	13.20	3,161	3,845	88,750	4,595	1.34
400 x 400	8.00	97.90	125	31,860	16.00	1,593	1,830	48,700	2,363	1.58
	10.00	122.00	155	39,130	15.90	1,956	2,260	60,090	2,895	1.57
	12.00	145.00	185	46,130	15.80	2,306	2,679	71,180	3,405	1.57
	12.50	152.00	192	47,840	15.80	2,392	2,782	73,910	3,530	1.57
	14.00	168.00	214	52,870	15.70	2,643	3,087	81,960	3,894	1.56
	14.20	170.00	217	53,530	15.70	2,676	3,127	83,030	3,942	1.56
	16.00	192.00	243	59,340	15.60	2,967	3,484	92,440	4,362	1.56
	20.00	237.00	300	71,540	15.40	3,577	4,247	112,500	5,237	1.55
	22.00	251.00	327	77,260	15.40	3,863	4,612	122,100	5,646	1.54
25.00	282.00	368	85,380	15.20	4,269	5,141	135,900	6,223	1.54	
450 x 450	12.00	162	209	66,460	17.80	2,954	3,419	102,200	4,368	1.77
	16.00	213	275	85,860	17.70	3,816	4,459	133,200	5,620	1.76
	19.00	250	324	99,540	17.50	4,424	5,208	155,400	6,497	1.75
	22.00	286	371	112,500	17.40	5,000	5,929	176,700	7,324	1.74
	25.00	321	418	124,700	17.30	5,544	6,624	197,200	8,101	1.74
	28.00	355	464	136,300	17.10	6,058	7,292	216,800	8,832	1.73
	32.00	399	524	150,700	17.00	6,696	8,143	241,700	9,735	1.72
500 x 500	12.00	181	233	92,030	19.89	3,681	4,248	141,200	5,451	1.97
	16.00	238	307	119,300	19.71	4,771	5,554	184,400	7,038	1.96
	19.00	280	362	138,600	19.58	5,545	6,498	215,500	8,159	1.95
	22.00	320	415	157,100	19.44	6,283	7,411	245,600	9,222	1.94
	25.00	360	468	174,600	19.31	6,986	8,295	274,600	10,230	1.94
	28.00	399	520	191,300	19.18	7,653	9,149	302,600	11,180	1.93
	32.00	450	588	212,300	19.00	8,491	10,242	338,200	12,370	1.92
	36.00	498	654	231,700	18.82	9,269	11,283	372,000	13,470	1.91
550 x 550	16.00	263	339	160,400	21.75	5,833	6,769	247,300	8,616	2.16
	19.00	309	400	186,800	21.62	6,793	7,930	289,500	10,010	2.15
	22.00	355	459	212,100	21.49	7,714	9,058	330,400	11,340	2.14
	25.00	399	518	236,300	21.35	8,594	10,150	370,100	12,610	2.14
	28.00	443	576	259,500	21.22	9,436	11,220	408,400	13,810	2.13
	32.00	500	652	288,700	21.04	10,500	12,580	457,500	15,330	2.12
	36.00	555	726	316,100	20.86	11,500	13,890	504,400	16,740	2.11
	40.00	608	799	341,800	20.68	12,430	15,140	549,000	18,060	2.10

Hot Finished Square Hollow Sections



(Metric units)

Section Size	Wall Thickness	Unit Weight	Section Area	Second Moment of Area	Radius of Gyration	Elastic Modulus	Plastic Modulus	Torsional Constants		Surface Area Per Metre
								J	C	
D x B	t	M	A	I	r	Z	S	J	C	
mm	mm	kg/m	cm ²	cm ⁴	cm ⁴	cm ³	cm ³	cm ⁴	cm ³	m ² /m
600 x 600	25.00	438	568	311,100	23.40	10,370	12,200	485,300	15,230	2.34
	28.00	487	632	342,100	23.26	11,410	13,490	536,300	16,720	2.33
	32.00	550	716	381,600	23.08	12,720	15,160	601,900	18,600	2.32
	36.00	611	798	418,800	22.91	13,960	16,770	664,900	20,370	2.31
	40.00	671	879	453,900	22.73	15,130	18,310	725,100	22,030	2.30
700 x 700	25.00	517	668	504,700	27.48	14,420	16,850	782,900	21,240	2.74
	28.00	575	744	556,600	27.35	15,900	18,670	867,000	23,380	2.73
	32.00	651	844	623,100	27.17	17,800	21,040	975,800	26,110	2.72
	36.00	724	942	686,500	26.99	19,610	23,330	1,081,000	28,700	2.71
	40.00	797	1,039	746,900	26.81	21,340	25,540	1,182,000	31,160	2.70

Material Spec: EN100219 S275JR / J2H
EN100219 S355JR / J2H