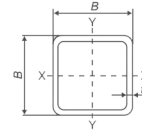


Cold Formed Square Hollow Sections

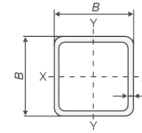


BS EN 10219

Designation		Weight			Cross Sectional Area	Ratio for Local Buckling	Second Moment Of Area	Radius Of Gyration	Elastic Modulus	Plastic Modulus	Torsional Constant		Superficial Area per metre length	Nominal Length per tonne
Size	Thickness										J	C		
B x B	t	M			A	B/t	I	r	Z	S	J	C	As	L
mm	mm	Kg/m	Kg/ft	lb/ft	cm ²		cm ⁴	cm	cm ³	cm ³	cm ⁴	cm ³	m ² /m	m
20 x 20	1.60	0.873	0.266	0.586	1.11	7.5	0.608	0.74	0.61	0.75	1.03	0.924	0.075	1145.9
25 x 25	1.60	1.12	0.343	0.755	1.43	10.6	1.28	0.94	1.02	1.24	2.12	1.54	0.095	889.8
	2.00	1.36	0.416	0.916	1.74	7.5	1.48	0.92	1.19	1.47	2.53	1.80	0.093	733.4
	2.30	1.53	0.467	1.03	1.95	5.9	1.61	0.91	1.29	1.62	2.80	1.97	0.092	652.5
	2.50	1.64	0.500	1.10	2.09	5.0	1.69	0.90	1.35	1.71	2.97	2.07	0.091	609.8
	3.00	1.89	0.576	1.27	2.41	3.3	1.84	0.87	1.47	1.91	3.33	2.27	0.090	529.0
30 x 30	1.60	1.38	0.419	0.92	1.75	13.8	2.31	1.15	1.54	1.84	3.77	2.32	0.115	727.2
	2.00	1.68	0.511	1.13	2.14	10.0	2.72	1.13	1.81	2.21	4.54	2.75	0.113	596.1
	2.30	1.89	0.577	1.27	2.41	8.0	2.99	1.11	2.00	2.45	5.07	3.03	0.112	528.1
	2.50	2.03	0.619	1.37	2.59	7.0	3.16	1.10	2.10	2.61	5.40	3.20	0.111	492.0
	3.00	2.36	0.720	1.59	3.01	5.0	3.50	1.08	2.34	2.96	6.15	3.58	0.110	423.5
32 x 32	1.60	1.48	0.450	0.992	1.88	15.0	2.84	1.23	1.78	2.12	4.62	2.68	0.123	677.7
	2.00	1.80	0.550	1.21	2.30	11.0	3.36	1.21	2.10	2.54	5.58	3.18	0.121	554.6
	2.30	2.04	0.621	1.37	2.60	8.9	3.71	1.20	2.32	2.84	6.24	3.52	0.120	490.7
	2.50	2.19	0.667	1.47	2.79	7.8	3.92	1.19	2.46	3.02	6.66	3.72	0.119	456.7
	3.00	2.55	0.777	1.71	3.25	5.7	4.38	1.16	2.74	3.44	7.62	4.18	0.118	392.2
35 x 35	1.60	1.63	0.496	1.093	2.07	16.9	3.79	1.35	2.16	2.57	6.11	3.26	0.135	614.9
	2.00	1.99	0.607	1.34	2.54	12.5	4.51	1.33	2.58	3.09	7.41	3.89	0.133	502.1
	2.30	2.25	0.687	1.52	2.87	10.2	4.99	1.32	2.85	3.46	8.31	4.32	0.132	443.5
	2.50	2.42	0.739	1.63	3.09	9.0	5.29	1.31	3.02	3.69	8.89	4.58	0.131	412.4
	3.00	2.83	0.863	1.90	3.61	6.7	5.95	1.28	3.40	4.23	10.22	5.18	0.130	353.0
38 x 38	1.60	1.78	0.542	1.19	2.26	18.8	4.92	1.47	2.59	3.06	7.90	3.90	0.147	562.8
	2.00	2.18	0.664	1.46	2.78	14.0	5.88	1.46	3.10	3.70	9.60	4.67	0.145	458.7
	2.30	2.47	0.753	1.66	3.15	11.5	6.54	1.44	3.44	4.15	10.80	5.20	0.144	404.6
	2.50	2.66	0.811	1.79	3.39	10.2	6.95	1.43	3.66	4.44	11.6	5.53	0.143	375.9
	3.00	3.12	0.949	2.09	3.97	7.7	7.86	1.41	4.14	5.10	13.3	6.28	0.142	321.0
	4.00	3.95	1.203	2.65	5.03	4.5	9.28	1.36	4.88	6.22	16.4	7.48	0.138	253.4
40 x 40	1.60	1.88	0.572	1.262	2.39	20.0	5.79	1.56	2.90	3.41	9.27	4.36	0.155	532.6
	1.90	2.20	0.671	1.48	2.80	16.1	6.67	1.54	3.33	3.96	10.8	5.02	0.153	454.5
	2.00	2.31	0.703	1.55	2.94	15.0	6.94	1.54	3.47	4.13	11.3	5.23	0.153	433.7
	2.30	2.62	0.797	1.76	3.33	12.4	7.73	1.52	3.86	4.64	12.7	5.83	0.152	382.3
	2.50	2.82	0.859	1.89	3.59	11.0	8.22	1.51	4.11	4.97	13.6	6.21	0.151	354.9
	3.00	3.30	1.01	2.22	4.21	8.3	9.33	1.49	4.67	5.72	15.8	7.07	0.150	302.7
50 x 50	4.00	4.20	1.28	2.82	5.35	5.0	11.10	1.44	5.55	7.02	19.4	8.48	0.146	238.2
	1.60	2.38	0.725	1.60	3.03	26.3	11.7	1.96	4.68	5.46	18.5	7.03	0.195	420.2
	1.90	2.80	0.852	1.88	3.56	21.3	13.6	1.95	5.42	6.37	21.6	8.15	0.193	357.6
	2.00	2.93	0.894	1.97	3.74	20.0	14.1	1.95	5.66	6.66	22.6	8.51	0.193	340.9
	2.30	3.34	1.02	2.24	4.25	16.7	15.9	1.93	6.34	7.52	25.6	9.55	0.192	299.6
	2.50	3.60	1.10	2.42	4.59	15.0	16.9	1.92	6.78	8.07	27.5	10.22	0.191	277.6
	3.00	4.25	1.29	2.85	5.41	11.7	19.5	1.90	7.79	9.39	32.1	11.8	0.190	235.5
	4.00	5.45	1.66	3.67	6.95	7.5	23.7	1.85	9.49	11.7	40.4	14.4	0.186	183.3
	4.50	6.02	1.83	4.05	7.67	6.1	25.5	1.82	10.2	12.8	44.1	15.6	0.185	166.1
	5.00	6.56	2.00	4.41	8.36	5.0	27.0	1.80	10.8	13.7	47.5	16.6	0.183	152.4
6.00	7.56	2.30	5.08	9.63	3.3	29.5	1.75	11.8	15.3	53.2	18.2	0.179	132.2	
60 x 60	1.60	2.88	0.879	1.94	3.67	32.5	20.7	2.37	6.89	7.99	32.4	10.4	0.235	346.9
	2.30	4.06	1.24	2.73	5.17	21.1	28.3	2.34	9.44	11.1	45.2	14.2	0.232	246.3
	2.50	4.39	1.34	2.95	5.59	19.0	30.3	2.33	10.11	11.9	48.7	15.2	0.231	227.9
	3.00	5.19	1.58	3.49	6.61	15.0	35.1	2.31	11.7	14.0	57.1	17.7	0.230	192.8
	4.00	6.71	2.05	4.51	8.55	10.0	43.6	2.26	14.5	17.6	72.6	22.0	0.226	149.0
65 x 65	2.00	3.88	1.18	2.60	4.94	27.5	32.3	2.56	9.9	11.6	50.9	14.9	0.253	258.0
	2.30	4.42	1.35	2.97	5.63	23.3	36.4	2.54	11.2	13.1	57.9	16.9	0.252	226.2
	2.50	4.78	1.46	3.21	6.09	21.0	39.1	2.53	12.0	14.1	62.4	18.1	0.251	209.2
	3.00	5.66	1.72	3.80	7.21	16.7	45.4	2.51	14.0	16.6	73.3	21.0	0.250	176.7
	4.00	7.34	2.24	4.93	9.35	11.3	56.6	2.46	17.4	21.0	93.7	26.3	0.246	136.3
	4.50	8.14	2.48	5.47	10.37	9.4	61.6	2.44	18.9	23.1	103.1	28.7	0.245	122.9
	5.00	8.91	2.72	5.99	11.36	8.0	66.1	2.41	20.3	25.0	112.0	30.9	0.243	112.2
	6.00	10.39	3.17	6.98	13.23	5.8	73.9	2.36	22.7	28.5	128.2	34.7	0.239	96.3
70 x 70	2.50	5.17	1.58	3.48	6.59	23.0	49.4	2.74	14.1	16.5	78.5	21.2	0.271	193.3
	3.00	6.13	1.87	4.12	7.81	18.3	57.5	2.71	16.4	19.4	92.4	24.7	0.270	163.1
	4.00	7.97	2.43	5.35	10.15	12.5	72.1	2.67	20.6	24.8	118.5	31.1	0.266	125.5
	5.00	9.70	2.96	6.52	12.36	9.0	84.6	2.62	24.2	29.6	142.2	36.7	0.263	103.1
	6.00	11.33	3.45	7.61	14.43	6.7	95.2	2.57	27.2	33.8	163.5	41.4	0.259	88.3
	6.30	11.53	3.51	7.75	14.69	6.1	93.8	2.53	26.8	33.8	168.2	42.1	0.253	86.7
	75 x 75	2.30	5.14	1.57	3.46	6.55	27.6	57.1	2.95	15.2	17.7	90.0	22.9	0.292
2.50		5.56	1.70	3.74	7.09	25.0	61.4	2.94	16.4	19.1	97.1	24.6	0.291	179.7
3.00		6.60	2.01	4.44	8.41	20.0	71.6	2.92	19.1	22.5	114.5	28.7	0.290	151.5
4.00		8.59	2.62	5.77	10.95	13.8	90.2	2.87	24.1	28.8	147.3	36.3	0.286	116.4
4.50		9.55	2.91	6.42	12.17	11.7	98.6	2.85	26.3	31.7	162.7	39.7	0.285	104.7
5.00		10.48	3.20	7.05	13.36	10.0	106.3	2.82	28.4	34.5	177.4	42.9	0.283	95.4
6.00		12.27	3.74	8.25	15.63	7.5	120.2	2.77	32.0	39.6	204.6	48.7	0.279	81.5

* Please check with manufacturer the availability of the highlighted sizes.

Cold Formed Square Hollow Sections

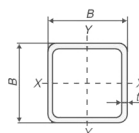


BS EN 10219

Designation		Weight			Cross Sectional Area	Ratio for Local Buckling	Second Moment Of Area	Radius Of Gyration	Elastic Modulus	Plastic Modulus	Torsional Constant		Superficial Area per metre length	Nominal Length per tonne
Size	Thickness										A	B/t		
B x B	t	M			A	B/t	I	r	Z	S	J	C	As	L
mm	mm	Kg/m	Kg/ft	lb/ft	cm ²		cm ⁴	cm	cm ³	cm ³	cm ⁴	cm ³	m ² /m	m
80 x 80	2.30	5.50	1.68	3.70	7.01	29.8	69.9	3.16	17.5	20.3	109.7	26.2	0.312	181.7
	3.00	7.07	2.16	4.75	9.01	21.7	87.8	3.12	22.0	25.8	139.9	33.0	0.310	141.4
	4.00	9.22	2.81	6.20	11.75	15.0	111.0	3.07	27.8	33.1	180.4	41.8	0.306	108.4
	4.50	10.26	3.13	6.89	13.07	12.8	121.6	3.05	30.4	36.5	199.5	45.9	0.305	97.5
	5.00	11.27	3.43	7.57	14.36	11.0	131.4	3.03	32.9	39.7	217.8	49.7	0.303	88.7
	6.00	13.21	4.03	8.88	16.83	8.3	149.2	2.98	37.3	45.8	252.1	56.6	0.299	75.7
89 x 89	3.00	7.92	2.41	5.32	10.09	24.7	122.9	3.49	27.6	32.3	194.6	41.5	0.346	126.3
	4.00	10.35	3.16	6.96	13.19	17.3	156.2	3.44	35.1	41.6	251.9	52.9	0.342	96.6
	4.50	11.53	3.51	7.75	14.69	14.8	171.6	3.42	38.6	46.0	279.1	58.1	0.341	86.7
	5.00	12.68	3.87	8.52	16.16	12.8	186.1	3.39	41.8	50.2	305.3	63.1	0.339	78.8
	6.00	14.91	4.54	10.02	18.99	9.8	212.5	3.34	47.8	58.1	354.9	72.3	0.335	67.1
90 x 90	2.30	6.23	1.90	4.18	7.93	34.1	100.8	3.56	22.4	25.9	157.5	33.6	0.352	160.6
	3.00	8.01	2.44	5.38	10.21	25.0	127.3	3.53	28.3	33.0	201.4	42.5	0.350	124.8
	4.00	10.48	3.19	7.04	13.35	17.5	161.9	3.48	36.0	42.6	260.8	54.2	0.346	95.4
	4.50	11.67	3.56	7.84	14.87	15.0	177.9	3.46	39.5	47.1	289.0	59.6	0.345	85.7
	5.00	12.84	3.91	8.63	16.36	13.0	192.9	3.43	42.9	51.4	316.3	64.7	0.343	77.9
	6.00	15.10	4.60	10.15	19.23	10.0	220.5	3.39	49.0	59.5	367.8	74.2	0.339	66.2
	6.30	15.49	4.72	10.41	19.73	9.3	221.1	3.35	49.1	60.3	382.4	76.2	0.333	64.6
	8.00	18.87	5.75	12.68	24.04	6.3	254.6	3.25	56.6	71.3	455.6	88.8	0.326	53.0
100x 100	2.30	6.95	2.12	4.67	8.85	38.5	139.7	3.97	27.9	32.3	217.5	41.9	0.392	143.9
	3.00	8.96	2.73	6.02	11.41	28.3	177.0	3.94	35.4	41.2	278.7	53.2	0.390	111.7
	4.00	11.73	3.58	7.88	14.95	20.0	226.4	3.89	45.3	53.3	362.0	68.1	0.386	85.2
	4.50	13.08	3.99	8.79	16.67	17.2	249.3	3.87	49.9	59.0	401.9	75.1	0.385	76.4
	5.00	14.41	4.39	9.68	18.36	15.0	271.1	3.84	54.2	64.6	440.5	81.7	0.383	69.4
	6.00	16.98	5.18	11.41	21.63	11.7	311.5	3.79	62.3	75.1	514.2	94.1	0.379	58.9
	6.30	17.47	5.32	11.74	22.25	10.9	314.2	3.76	62.8	76.4	536.0	97.0	0.373	57.3
	8.00	21.39	6.52	14.37	27.24	7.5	365.9	3.67	73.2	91.1	644.6	114.2	0.366	46.8
	9.00	23.53	7.17	15.81	29.98	6.1	390.6	3.61	78.1	98.6	700.4	122.8	0.361	42.5
120 x 120	2.30	8.39	2.56	5.64	10.69	47.2	245.3	4.79	40.9	47.0	379.4	61.3	0.472	119.1
	3.00	10.84	3.30	7.28	13.81	35.0	312.3	4.76	52.1	60.2	487.7	78.2	0.470	92.3
	4.00	14.25	4.34	9.57	18.15	25.0	402.3	4.71	67.0	78.3	636.6	100.8	0.466	70.2
	4.50	15.91	4.85	10.69	20.27	21.7	444.7	4.68	74.1	87.0	708.4	111.5	0.465	62.9
	5.00	17.55	5.35	11.79	22.36	19.0	485.5	4.66	80.9	95.4	778.5	121.8	0.463	57.0
	6.00	20.75	6.32	13.94	26.43	15.0	562.2	4.61	93.7	111.6	913.5	141.2	0.459	48.2
	6.30	21.42	6.53	14.40	27.29	14.0	571.6	4.58	95.3	114.2	955.5	146.2	0.453	46.7
	8.00	26.41	8.05	17.75	33.64	10.0	676.9	4.49	112.8	137.8	1163.0	174.6	0.446	37.9
	9.00	29.19	8.90	19.61	37.18	8.3	730.0	4.43	121.7	150.3	1274.0	189.3	0.441	34.3
125 x 125	3.00	11.31	3.45	7.60	14.41	36.7	354.5	4.96	56.7	65.6	552.7	85.1	0.490	88.4
	4.00	14.87	4.53	9.99	18.95	26.3	457.2	4.91	73.2	85.3	722.0	109.9	0.486	67.2
	4.50	16.62	5.06	11.17	21.17	22.8	505.8	4.89	80.9	94.8	803.9	121.7	0.485	60.2
	5.00	18.33	5.59	12.32	23.36	20.0	552.6	4.86	88.4	104.1	883.8	133.0	0.483	54.5
	6.00	21.69	6.61	14.58	27.63	15.8	640.9	4.82	102.5	121.9	1038.1	154.5	0.479	46.1
	6.30	22.41	6.83	15.06	28.55	14.8	652.6	4.78	104.4	124.9	1086.5	160.1	0.473	44.6
	8.00	27.67	8.43	18.59	35.24	10.6	775.3	4.69	124.1	151.0	1325.4	191.7	0.466	36.1
	9.00	30.60	9.33	20.56	38.98	8.9	837.8	4.64	134.1	164.9	1454.1	208.2	0.461	32.7
140 x 140	* 4.00	16.76	5.11	11.26	21.35	30.0	651.6	5.52	93.1	108.2	1023.3	139.8	0.546	59.7
	* 5.00	20.69	6.31	13.90	26.36	23.0	790.6	5.48	112.9	132.3	1255.8	169.8	0.543	48.3
	* 6.00	24.52	7.47	16.48	31.23	18.3	920.4	5.43	131.5	155.3	1478.8	197.9	0.539	40.8
	* 6.30	25.38	7.74	17.05	32.33	17.2	940.8	5.39	134.4	159.6	1549.6	205.4	0.533	39.4
	* 8.00	31.43	9.58	21.12	40.04	12.5	1126.8	5.30	161.0	194.2	1900.9	247.7	0.526	31.8
	* 10.00	38.12	11.62	25.62	48.57	9.0	1311.7	5.20	187.4	230.4	2274.0	290.9	0.517	26.2
	* 12.00	43.38	13.22	29.15	55.26	6.7	1398.3	5.03	199.8	252.9	2567.3	321.7	0.498	23.1
	* 12.50	44.78	13.65	30.09	57.04	6.2	1425.2	5.00	203.6	259.2	2634.6	329.0	0.496	22.3
150 x 150	3.00	13.67	4.17	9.18	17.41	45.0	622.7	5.98	83.0	95.5	964.6	124.6	0.590	73.2
	4.00	18.01	5.49	12.10	22.95	32.5	807.8	5.93	107.7	124.9	1264.8	161.7	0.586	55.5
	4.50	20.15	6.14	13.54	25.67	28.3	896.3	5.91	119.5	139.1	1410.8	179.5	0.585	49.5
	5.00	22.26	6.78	14.96	28.36	25.0	982.1	5.89	130.9	153.0	1554.1	196.8	0.583	44.9
	6.00	26.40	8.05	17.74	33.63	20.0	1145.9	5.84	152.8	179.9	1832.7	229.8	0.579	37.9
	6.30	27.36	8.34	18.38	34.85	18.8	1173.7	5.80	156.5	185.1	1921.6	238.8	0.573	36.6
	8.00	33.95	10.35	22.81	43.24	13.8	1411.8	5.71	188.2	226.0	2364.2	289.0	0.566	29.5
	9.00	37.66	11.48	25.31	47.98	11.7	1537.4	5.66	205.0	248.2	2608.1	316.0	0.561	26.6
	12.50	48.70	14.85	32.73	62.04	7.0	1817.4	5.41	242.3	305.6	3321.3	389.3	0.536	20.5
	160 x 160	* 4.00	19.27	5.87	12.95	24.55	35.0	987.2	6.34	123.4	142.8	1541.5	185.3	0.626
* 5.00		23.83	7.26	16.01	30.36	27.0	1202.4	6.29	150.3	175.2	1896.3	225.8	0.623	42.0
* 6.00		28.29	8.62	19.01	36.03	21.7	1405.5	6.25	175.7	206.2	2238.9	264.2	0.619	35.4
* 6.30		29.34	8.94	19.71	37.37	20.4	1442.1	6.21	180.3	212.6	2348.6	274.7	0.613	34.1
* 8.00		36.46	11.11	24.50	46.44	15.0	1741.2	6.12	217.7	260.1	2896.7	333.6	0.606	27.4
* 10.00		44.40	13.53	29.84	56.57	11.0	2047.7	6.02	256.0	310.9	3490.5	395.1	0.597	22.5
* 12.00		50.91	15.52	34.21	64.86	8.3	2224.4	5.86	278.0	346.1	3997.1	443.2	0.578	19.6
* 12.50		52.63	16.04	35.37	67.04	7.8	2275.0	5.83	284.4	355.7	4114.5	454.6	0.576	19.0
* 16.00		63.72	19.42	42.82	81.17	5.0	2546.4	5.60	318.3	412.7	4799.8	519.8	0.558	15.7

* Please check with manufacturer the availability of the highlighted sizes.

Cold Formed Square Hollow Sections



BS EN 10219

Designation		Weight			Cross Sectional Area	Ratio for Local Buckling	Second Moment Of Area	Radius Of Gyration	Elastic Modulus	Plastic Modulus	Torsional Constant		Superficial Area per metre length	Nominal Length per tonne
Size	Thickness	M									A	B/t		
B x B	t													
mm	mm	Kg/m	Kg/ft	lb/ft	cm ²		cm ⁴	cm	cm ³	cm ³	cm ⁴	cm ³	m ² /m	m
180 x 180	4.00	21.78	6.64	14.64	27.75	40.0	1421.7	7.16	158.0	182.2	2210.2	237.1	0.706	45.9
	4.50	24.39	7.43	16.39	31.07	35.0	1581.3	7.13	175.7	203.3	2469.1	263.8	0.705	41.0
	5.00	26.97	8.22	18.12	34.36	31.0	1736.9	7.11	193.0	224.0	2724.2	289.8	0.703	37.1
	6.00	32.05	9.77	21.54	40.83	25.0	2036.5	7.06	226.3	264.4	3222.7	340.0	0.699	31.2
	6.30	33.29	10.15	22.37	42.41	23.6	2095.6	7.03	232.8	273.1	3382.8	354.1	0.693	30.0
	8.00	41.48	12.64	27.87	52.84	17.5	2545.9	6.94	282.9	335.7	4188.7	432.2	0.686	24.1
	9.00	46.14	14.06	31.01	58.78	15.0	2789.1	6.89	309.9	370.4	4639.9	474.9	0.681	21.7
200 x 200	4.00	24.29	7.40	16.32	30.95	45.0	1968.1	7.97	196.8	226.4	3048.7	295.3	0.786	41.2
	4.50	27.21	8.30	18.29	34.67	39.4	2191.5	7.95	219.2	252.9	3408.4	328.9	0.785	36.7
	5.00	30.11	9.18	20.23	38.36	35.0	2410.1	7.93	241.0	278.9	3763.3	361.8	0.783	33.2
	6.00	35.82	10.92	24.07	45.63	28.3	2832.7	7.88	283.3	329.7	4458.8	425.5	0.779	27.9
	6.30	37.25	11.35	25.03	47.45	26.7	2921.5	7.85	292.2	341.2	4682.2	443.5	0.773	26.8
	8.00	46.51	14.17	31.25	59.24	20.0	3566.3	7.76	356.6	420.9	5815.3	543.6	0.766	21.5
	9.00	51.79	15.79	34.80	65.98	17.2	3918.5	7.71	391.8	465.3	6454.1	598.9	0.761	19.3
	10.00	56.96	17.36	38.28	72.57	15.0	4251.1	7.65	425.1	508.1	7071.9	651.5	0.757	17.6
	12.00	65.99	20.11	44.34	84.06	11.7	4730.2	7.50	473.0	575.6	8230.6	743.4	0.738	15.2
12.50	68.33	20.83	45.92	87.04	11.0	4859.4	7.47	485.9	593.5	8502.3	765.5	0.736	14.6	
16.00	83.82	25.55	56.32	106.77	7.5	5625.0	7.26	562.6	705.6	10211.5	900.8	0.718	11.9	
220 x 220	5.00	33.25	10.13	22.34	42.36	39.0	3238.0	8.74	294.4	339.7	5037.7	441.8	0.863	30.1
	6.00	39.59	12.07	26.60	50.43	31.7	3813.4	8.70	346.7	402.2	5976.2	520.6	0.859	25.3
	6.30	41.20	12.56	27.69	52.49	29.9	3939.9	8.66	358.2	416.8	6277.3	543.0	0.853	24.3
	8.00	51.53	15.71	34.63	65.64	22.5	4828.0	8.58	438.9	515.6	7815.0	667.9	0.846	19.4
	10.00	63.24	19.28	42.50	80.57	17.0	5782.5	8.47	525.7	624.6	9533.0	803.6	0.837	15.8
	12.00	73.52	22.41	49.40	93.66	13.3	6486.8	8.32	589.7	712.0	11149.4	922.3	0.818	13.6
	12.50	76.18	23.22	51.19	97.04	12.6	6674.0	8.29	606.7	734.9	11530.3	950.8	0.816	13.1
16.00	93.86	28.61	63.07	119.57	8.8	7812.2	8.08	710.2	880.8	13972.3	1129.5	0.798	10.7	
250 X 250	5.00	37.96	11.57	25.51	48.36	45.0	4805.0	9.97	384.4	442.3	7443.0	576.8	0.983	26.3
	6.00	45.24	13.79	30.40	57.63	36.7	5672.0	9.92	453.8	524.4	8842.5	681.2	0.979	22.1
	6.30	47.14	14.37	31.68	60.05	34.7	5872.6	9.89	469.8	544.4	9290.4	711.2	0.973	21.2
	8.00	59.07	18.00	39.69	75.24	26.3	7229.2	9.80	578.3	675.8	11597.9	878.2	0.966	16.9
	9.00	65.92	20.09	44.30	83.98	22.8	7983.8	9.75	638.7	750.0	12913.5	971.7	0.961	15.2
	10.00	72.66	22.15	48.83	92.57	20.0	8706.7	9.70	696.5	822.0	14197.5	1061.8	0.957	13.8
	12.00	84.83	25.86	57.00	108.06	15.8	9859.4	9.55	788.8	943.6	16692.0	1226.5	0.938	11.8
	12.50	87.95	26.81	59.10	112.04	15.0	10161.3	9.52	812.9	975.2	17283.4	1266.3	0.936	11.4
	16.00	108.94	33.20	73.20	138.77	10.6	12047.1	9.32	963.8	1179.7	21147.9	1520.3	0.918	9.2
260 X 260	* 6.00	47.13	14.36	31.67	60.03	38.3	6404.5	10.33	492.7	568.8	9969.8	739.5	1.019	21.2
	* 6.30	49.12	14.97	33.01	62.57	36.3	6635.0	10.30	510.4	590.7	10475.3	772.3	1.013	20.4
	* 8.00	61.58	18.77	41.38	78.44	27.5	8178.0	10.21	629.1	733.9	13087.0	954.7	1.006	16.2
	* 10.00	75.80	23.11	50.94	96.57	21.0	9864.6	10.11	758.8	893.8	16035.7	1155.9	0.997	13.2
	* 12.00	88.59	27.00	59.53	112.86	16.7	11199.5	9.96	861.5	1028.0	18878.9	1337.5	0.978	11.3
	* 12.50	91.88	28.00	61.74	117.04	15.8	11547.9	9.93	888.3	1062.8	19554.1	1381.4	0.976	10.9
	* 16.00	113.96	34.74	76.58	145.17	11.3	13738.8	9.73	1056.8	1288.9	23987.3	1663.4	0.958	8.8
300 X 300	6.00	54.66	16.66	36.73	69.63	45.0	9963.7	11.96	664.2	764.2	15433.9	996.8	1.179	18.3
	6.30	57.03	17.38	38.32	72.65	42.6	10342.0	11.93	689.5	794.9	16218.5	1041.9	1.173	17.5
	9.00	80.05	24.40	53.79	101.98	28.3	14183.3	11.79	945.6	1102.1	22661.2	1434.4	1.161	12.5
	10.00	88.36	26.93	59.38	112.57	25.0	15519.4	11.74	1034.6	1210.0	24966.0	1572.0	1.157	11.3
	12.00	103.67	31.60	69.66	132.06	20.0	17767.4	11.60	1184.5	1401.5	29514.8	1829.4	1.138	9.6
	12.50	107.58	32.79	72.29	137.04	19.0	18348.1	11.57	1223.2	1450.6	30601.7	1891.8	1.136	9.3
	16.00	134.06	40.86	90.08	170.77	13.8	22076.0	11.37	1471.7	1773.8	37838.6	2299.3	1.118	7.5
350 x 350	6.00	64.08	19.53	43.06	81.63	53.3	16007.7	14.00	914.7	1049.0	24682.8	1372.4	1.379	15.6
	6.30	66.92	20.40	44.97	85.25	50.6	16644.6	13.97	951.1	1092.7	25939.1	1435.5	1.373	14.9
	8.00	84.19	25.66	56.57	107.24	38.8	20680.7	13.89	1181.8	1365.6	32557.6	1787.1	1.366	11.9
	9.00	94.18	28.71	63.29	119.98	33.9	22967.0	13.84	1312.4	1521.8	36372.1	1987.2	1.361	10.6
	10.00	104.06	31.72	69.93	132.57	30.0	25189.1	13.78	1439.4	1674.8	40127.4	2182.2	1.357	9.6
	12.00	122.51	37.34	82.32	156.06	24.2	29054.0	13.64	1660.2	1949.5	47599.0	2442.1	1.338	8.2
	12.50	127.20	38.77	85.48	162.04	23.0	30044.9	13.62	1716.9	2019.8	49394.6	2642.2	1.336	7.9
	16.00	159.176	48.517	106.961	202.77	16.9	36511.5	13.42	2086.4	2487.97	61483.2	3237.9	1.318	6.3

NOTE : The calculation of sectional properties is based on BS EN 10219 with the following corner geometry:

Size Range	Inside Corner radii mm	Outside Corner radii mm
Thickness ≤ 6mm	1 T	2 T
6mm < Thickness ≤ 10mm	1.5 T	2.5 T
Thickness > 10mm	2 T	3.0 T

* Please check with manufacturer the availability of the highlighted sizes.