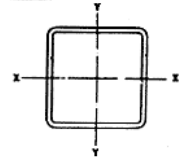


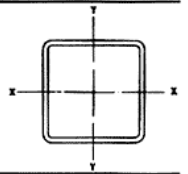
Square



Metric units

Section size	Wall thickness t	Unit weight M	Section area A	Moment of inertia		Radius of gyration		Modulus of section	
				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
60 x 60	1.6	2.88	3.67	20.70	20.70	2.37	2.37	6.89	6.89
	2.3	4.06	5.17	28.30	28.30	2.34	2.34	9.44	9.44
	3.0	5.18	6.60	35.04	35.04	2.30	2.30	11.68	11.68
	3.2	5.50	7.00	36.90	36.90	2.30	2.30	12.30	12.30
	4.5	7.43	9.46	46.88	46.88	2.22	2.22	15.62	15.62
	6.0	9.44	12.03	55.26	55.26	2.14	2.14	18.42	18.42
63.5 x 63.5	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	119.2	119.2	2.76	2.76	31.78	31.78

Square



Section size	Wall thickness t	Unit weight M	Section area A	Moment of inertia		Radius of gyration		Modulus of section	
				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	140.0	140	3.97	3.97	27.90	27.9
	3.0	8.95	11.40	176.9	176.9	3.93	3.93	35.38	35.38
	3.2	9.52	12.13	187.0	187	3.93	3.93	37.50	37.5
	4.5	13.1	16.67	249.0	249	3.87	3.87	49.90	49.9
	6.0	17.0	21.63	311.0	311	3.79	3.79	62.30	62.3
	9.0	24.1	30.67	408.0	408	3.65	3.65	81.60	81.6
112.5 x 112.5	2.3	7.85	10.00	200.97	200.97	4.48	4.48	35.72	35.72
	3.0	10.13	12.90	255.43	255.43	4.44	4.44	45.41	45.41
	4.5	14.85	18.91	362.01	362.01	4.37	4.37	64.35	64.35
	6.0	19.33	24.63	455.21	455.21	4.29	4.29	80.92	80.92
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	12.0	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	21.7	27.63	641	641	4.82	4.82	103	103
	9.0	31.1	39.67	865	865	4.67	4.67	138	138
150 x 150	4.5	20.1	25.67	896	896	5.91	5.91	120	120
	6.0	26.4	33.63	1,150	1,150	5.84	5.84	153	153
	9.0	38.2	48.67	1,580	1,580	5.69	5.69	210	210
175 x 175	6.0	31.1	39.63	1,860	1,860	6.86	6.86	213	213
	9.0	45.3	57.67	2,600	2,600	6.71	6.71	297	297
200 x 200	6.0	35.8	45.63	2,830	2,830	7.88	7.88	283	283
	8.0	46.9	59.79	3,620	3,620	7.78	7.78	362	362
	9.0	52.3	66.67	3,990	3,990	7.73	7.73	399	399
	12.0	67.9	86.53	4,980	4,980	7.59	7.59	498	498
250 x 250	6.0	45.2	57.63	5,670	5,670	9.92	9.92	454	454
	9.0	66.5	84.67	8,090	8,090	9.78	9.78	647	647
	12.0	86.8	110.5	10,300	10,300	9.63	9.63	820	820
300 x 300	6.0	54.7	69.63	9,960	9,960	12.0	12.0	664	664
	9.0	80.6	102.7	14,300	14,300	11.8	11.8	956	956
	12.0	106	134.5	18,300	18,300	11.7	11.7	1,220	1,220
	16.0	138	175.2	23,100	23,100	11.5	11.5	1,540	1,540
350 x 350	9.0	94.7	120.7	23,200	23,200	13.9	13.9	1,320	1,320
	12.0	124	158.5	29,800	29,800	13.7	13.7	1,700	1,700
	16.0	163	207.2	37,900	37,900	13.5	13.5	2,160	2,160
400 x 400	9.0	109	138.7	35,100	35,100	15.9	15.9	1,750	1,750
	12.0	143	182.5	45,300	45,300	15.8	15.8	2,270	2,270
	16.0	188	239.2	57,900	57,900	15.6	15.6	2,900	2,900