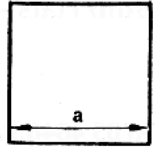


## Square



Metric units

Section size	Unit weight M		Side length a		Section Area A		Moment of inertia	Radius of gyration	Modulus of section
	kg/m	lb/ft	mm	in	cm <sup>2</sup>	in <sup>2</sup>			
9	0.64	0.43	9	0.354	0.81	0.126	--	--	--
10	0.79	0.531	10	0.393	1.0	0.1549	--	--	--
12	1.13	0.759	12	0.47	1.44	0.2231	--	--	--
16	2.01	1.351	16	0.63	2.56	0.3968	0.0132	0.181	0.0415
18	2.54	1.707	18	0.709	3.24	0.5022	0.0209	0.205	0.0592
19	2.83	1.902	19	0.748	3.61	0.5596	0.0262	0.217	0.0696
20	3.14	2.11	20	0.787	4.0	0.612	--	--	--
22	3.80	2.553	22	0.866	4.84	0.7502	0.0468	0.252	0.108
25	4.91	3.299	25	0.984	6.25	0.9688	0.0783	0.283	0.159
28	6.15	4.133	28	1.102	7.84	1.215	0.123	0.319	0.223
30	7.07	4.751	30	1.181	9.00	1.395	0.162	0.343	0.275
32	8.04	5.403	32	1.260	10.24	1.587	0.210	0.362	0.333
35	9.62	6.464	35	1.378	12.25	1.899	0.300	0.398	0.436
36	10.2	6.854	36	1.417	12.96	2.009	0.336	0.409	0.475
38	11.3	7.593	38	1.496	14.44	2.238	0.418	0.433	0.558
44	15.2	10.21	44	1.732	19.36	3.001	--	--	--
50	19.6	13.17	50	1.969	25.00	3.875	1.252	0.567	1.269
55	23.7	15.93	55	2.165	30.25	4.689	1.833	0.626	1.69
60	28.3	19.02	60	2.362	36.00	5.580	2.595	0.681	2.197
65	33.2	22.31	65	2.559	42.25	6.549	3.580	0.740	2.795
70	38.5	25.87	70	2.756	49.00	7.595	4.805	0.795	3.491
75	44.2	29.70	75	2.953	56.25	8.719	6.342	0.854	4.29
80	50.2	33.73	80	3.150	64.00	9.92	8.192	0.909	5.205
85	56.7	38.10	85	3.346	72.25	11.20	10.450	0.965	6.224
90	63.6	42.74	90	3.543	81.00	12.56	13.141	1.024	7.384
95	70.8	47.58	95	3.740	90.25	13.99	16.312	1.079	8.726
100	78.5	52.75	100	3.937	100.0	15.50	20.012	1.138	10.191
110	95.0	63.84	110	4.331	121.0	18.76	29.309	1.252	13.547
120	113.0	75.93	120	4.724	144.0	22.32	41.562	1.362	17.575
130	133.0	89.37	130	5.118	169.0	26.20	57.177	1.476	22.334
140	154.0	103.5	140	5.512	196.0	30.38	76.877	1.591	27.888
150	177.0	118.9	150	5.906	225.0	34.88	101.381	1.705	34.295
160	201.0	135.1	160	6.299	256.0	39.68	131.195	1.819	41.679