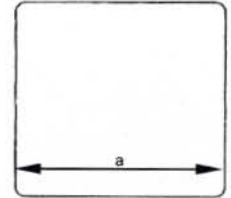




square bars

SQUARE BARS



(Metric units)

Section Size	Unit Weight M		Side Length a		Section Area A		Moment of Inertia	Radius of Gyration	Modulus of Section
	mm	kg/m	lb/ft	mm	in	cm ²			
9	0.64	0.430	9	0.354	0.81	0.1255	---	---	---
10	0.79	0.531	10	0.394	1.00	0.1550	---	---	---
12	1.13	0.759	12	0.472	1.44	0.2232	---	---	---
16	2.01	1.351	16	0.630	2.56	0.3968	0.0132	0.181	0.0415
17	2.27	1.525	17	0.669	2.89	0.4479	0.0168	0.193	0.5000
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	0.5595	0.0262	0.217	0.0696
20	3.14	2.110	20	0.787	4.00	0.6200	---	---	---
22	3.80	2.553	22	0.866	4.84	0.7502	0.0468	0.252	0.108
23	4.15	2.789	23	0.906	5.29	0.8199	0.0560	0.260	0.124
24	4.52	3.037	24	0.945	5.76	0.8927	0.6630	0.272	0.140
25	4.91	3.299	25	0.984	6.25	0.9687	0.0783	0.283	0.159
26	5.31	3.568	26	1.024	6.76	1.0477	0.0915	0.295	0.179
28	6.15	4.133	28	1.102	7.84	1.2151	0.1230	0.319	0.223
30	7.07	4.751	30	1.181	9.00	1.3949	0.162	0.343	0.275
32	8.04	5.403	32	1.260	10.24	1.5871	0.210	0.362	0.333
34	9.07	6.095	34	1.339	11.56	1.7917	0.267	0.386	0.400
35	9.62	6.464	35	1.378	12.25	1.8986	0.300	0.398	0.436
36	10.2	6.854	36	1.417	12.96	2.0087	0.336	0.409	0.475
38	11.3	7.593	38	1.496	14.44	2.2381	0.418	0.433	0.558
44	15.2	10.214	44	1.732	19.36	3.0006	---	---	---
50	19.6	13.171	50	1.969	25.00	3.8748	1.252	0.567	1.269
55	23.7	15.926	55	2.165	30.25	4.6885	1.833	0.626	1.690
60	28.3	19.017	60	2.362	36.00	5.5797	2.595	0.681	2.197
65	33.2	22.309	65	2.559	42.25	6.5484	3.580	0.740	2.795
70	38.5	25.871	70	2.756	49.00	7.5945	4.805	0.795	3.491
75	44.2	29.701	75	2.953	56.25	8.7182	6.342	0.854	4.290
80	50.2	33.733	80	3.150	64.00	9.9194	8.192	0.909	5.205
85	56.7	38.101	85	3.346	72.25	11.1981	10.450	0.965	6.224
90	63.6	42.737	90	3.543	81.00	12.5542	13.141	1.024	7.384
95	70.8	47.576	95	3.740	90.25	13.9879	16.312	1.079	8.726
100	78.5	52.750	100	3.937	100	15.4991	20.012	1.138	10.191
110	95	63.837	110	4.331	121	18.7539	29.309	1.252	13.547
120	113	75.933	120	4.724	144	22.3187	41.562	1.362	17.575
130	133	89.372	130	5.118	169	26.1934	57.177	1.476	22.334
140	154	103.483	140	5.512	196	30.3782	76.877	1.591	27.888
150	177	118.939	150	5.906	225	34.8729	101.381	1.705	34.295
160	201	135.066	160	6.299	256	39.6776	131.195	1.819	41.679

Spec: JIS G3101 SS400.....