

เหล็กฉาก

Standard Sectional Dimention (mm.)				Section Area (cm2.)	Weight (kg./m.)	Position of Center of Gravity (cm.)		Moment of Inertia (cm2.)				Raidus of Gyration of Area (cm.)				Modulus of Section (cm2.)	
A x B	t	r1	r2			Cx	Cy	Ix	Iy	Max Ix	Max Iy	ix	iy	Max ix	Max iy	Zx	Zy
25x25	3	4.0	2.0	1.427	1.12	0.719	0.719	0.797	0.797	1.26	0.332	0.747	0.747	0.94	0.483	0.448	0.448
	5	3.5	2.4	2.26	1.77	0.80	0.80	1.20	1.20	1.89	0.52	0.73	0.73	0.91	0.480	0.71	0.71
30x30	3	4.0	2.0	1.727	1.36	0.844	0.844	1.42	1.42	2.26	0.59	0.908	0.908	1.14	0.585	0.661	0.661
	5	5.0	2.4	2.78	2.18	0.92	0.92	2.16	2.16	3.41	0.92	0.88	0.88	1.11	0.570	1.04	1.04
40x40	3	4.5	2.0	2.336	1.83	1.09	1.09	3.53	3.53	5.60	1.46	1.23	1.23	1.55	0.790	1.21	1.21
	4	6	2.4	3.08	2.42	1.12	1.12	4.47	4.47	7.09	1.85	1.21	1.21	1.52	0.780	1.55	1.55
	5	4.5	3.0	3.755	2.95	1.17	1.17	5.42	5.42	8.59	2.25	1.20	1.20	1.51	0.774	1.91	1.91
	6	6.0	2.4	4.48	3.52	1.20	1.20	6.31	6.31	9.98	2.65	1.19	1.19	1.49	0.770	2.26	2.26
45x45	4	6.5	3.0	3.492	2.74	1.24	1.24	6.50	6.50	10.3	2.70	1.36	1.36	1.72	0.880	2.00	2.00
	5	6.5	3.0	4.302	3.38	1.28	1.28	7.91	7.91	12.5	3.29	1.36	1.36	1.71	0.874	2.46	2.46
50x50	3	7.0	2.4	2.96	2.33	1.31	1.31	6.86	6.86	10.8	2.88	1.52	1.52	1.91	0.990	1.86	1.86
	4	6.5	3.0	3.892	3.06	1.37	1.37	9.06	9.06	14.4	3.76	1.53	1.53	1.92	0.983	2.49	2.49
	5	6.5	3.0	4.802	3.77	1.41	1.41	11.1	11.1	17.5	4.58	1.52	1.52	1.91	0.976	3.08	3.08
	6	6.5	4.5	5.644	4.43	1.44	1.44	12.6	12.6	20.0	5.23	1.50	1.50	1.88	0.963	3.55	3.55
60x60	4	6.5	3.0	4.692	3.68	1.61	1.61	16.0	16.0	25.4	6.62	1.85	1.85	2.33	1.19	3.66	3.66
	5	6.5	3.0	5.802	4.55	1.66	1.66	19.6	19.6	31.2	8.09	1.84	1.84	2.32	1.18	4.52	4.52
65x65	5	8.5	3.0	6.367	5.00	1.77	1.77	25.3	25.3	40.1	10.5	1.99	1.99	2.51	1.28	5.35	5.35
	6	8.5	4.0	7.527	5.91	1.81	1.81	29.4	29.4	46.6	12.2	1.98	1.98	2.49	1.27	6.26	6.26
	8	8.5	6.0	9.761	7.66	1.88	1.88	36.8	36.8	58.3	15.3	1.94	1.94	2.44	1.25	7.96	7.96
70x70	6	8.5	4.0	8.127	6.38	1.93	1.93	37.1	37.1	58.9	15.3	2.14	2.14	2.69	1.37	7.33	7.33
75x75	6	8.5	4.0	8.727	6.85	2.06	2.06	46.1	46.1	73.2	19.0	2.30	2.30	2.90	1.48	8.47	8.47
	9	8.5	6.0	12.69	9.96	2.17	2.17	64.4	64.4	102	26.7	2.25	2.25	2.84	1.45	12.1	12.1
	12	8.5	6.0	16.56	13.00	2.29	2.29	81.9	81.9	129	34.5	2.22	2.22	2.79	1.44	15.7	15.7
80x80	6	8.5	4.0	9.327	7.32	2.18	2.18	56.4	56.4	89.6	23.2	2.46	2.46	3.10	1.58	9.70	9.70
90x90	6	10	5.0	10.55	8.28	2.42	2.42	80.7	80.7	128	33.4	2.77	2.77	3.48	1.78	12.3	12.3
	7	10	5.0	12.22	9.59	2.46	2.46	93.0	93.0	148	38.3	2.76	2.76	3.48	1.77	14.2	14.2
	10	10	7.0	17.00	13.3	2.57	2.57	125	125	199	51.7	2.71	2.71	3.42	1.74	19.5	19.5
	12	11	4.8	20.30	15.9	2.66	2.66	148	148	234	61.7	2.70	2.70	3.40	1.75	23.3	23.3

	13	10	7.0	21.71	17.0	2.69	2.69	156	156	248	65.3	2.68	2.68	3.38	1.73	24.8	24.8
100x100	7	10	5.0	13.62	10.7	2.71	2.71	129	129	205	53.2	3.08	3.08	3.88	1.98	17.7	17.7
	10	10	7.0	19.0	14.9	2.82	2.82	175	175	278	72.0	3.04	3.04	3.83	1.95	24.4	24.4
	12	12	4.8	22.7	17.8	2.90	2.90	207	207	328	85.7	3.02	3.02	3.80	1.94	29.1	29.1
120x120	8	12	5.0	18.76	14.7	3.24	3.24	258	258	410	106	3.71	3.71	4.67	2.38	29.5	29.5
130x130	9	12	6.0	22.74	17.9	3.53	3.53	366	366	583	150	4.01	4.01	5.06	2.57	38.7	38.7
	12	12	8.5	29.76	23.4	3.64	3.64	467	467	743	192	3.96	3.96	5.00	2.54	49.9	49.9
	15	12	8.5	36.75	28.8	3.76	3.76	568	568	902	234	3.93	3.93	4.95	2.53	61.5	61.5
150x150	12	14	7.0	34.77	27.3	4.14	4.14	740	740	1180	304	4.61	4.61	5.82	2.96	68.1	68.1
	15	14	10	42.74	33.6	4.24	4.24	888	888	1410	365	4.56	4.56	5.75	2.92	82.6	82.6
	19	14	10	53.38	41.9	4.40	4.40	1090	1090	1370	451	4.52	4.52	5.69	2.91	103	103
175x175	12	15	11	40.52	31.8	4.73	4.73	1170	1170	1860	480	5.38	5.38	6.78	3.44	91.8	91.8
	15	15	11	50.21	39.4	4.85	4.85	1440	1440	2260	589	5.35	5.35	6.75	3.42	114	114
200x200	15	17	12	57.75	45.3	5.46	5.46	2180	2180	3470	891	6.14	6.14	7.75	3.92	150	150
	20	17	12	76.00	59.7	5.67	5.67	2820	2820	4490	1160	6.09	6.09	7.68	3.90	197	197
	25	17	12	93.75	73.6	5.86	5.86	3420	3420	5420	1410	6.04	6.04	7.61	3.88	242	242
250x250	25	24	12	119.4	93.7	7.10	7.10	6950	6950	11000	2860	7.63	7.63	9.62	4.90	388	388
	35	24	18	162.6	128	7.45	7.45	9110	9110	14400	3790	7.49	7.49	9.42	4.83	519	519