



Flat Bar

Metric Series

Section size		Unit weight M	Section area A	Section size		Unit weight M	Section area A
thickness	width			thickness	width		
mm	mm	kg/m	cm ²	mm	mm	kg/m	cm ²
3	12	0.283	0.3600	9	65	4.59	5.850
3	16	0.377	0.4800	9	75	5.30	6.750
3	19	0.447	0.5700	9	90	6.36	8.100
3	25	0.589	0.7500	9	100	7.06	9.999
3	32	0.754	0.9600	9	125	8.83	11.25
3	38	0.895	1.140	9	150	10.6	13.50
3	50	1.18	1.500	9	180	12.7	16.20
4.5	25	0.88	1.125	9	200	14.1	18.00
4.5	32	1.13	1.440	9	230	16.2	20.70
4.5	38	1.334	1.710	9	250	17.7	22.50
4.5	44	1.55	1.980	12	25	2.36	3.000
4.5	50	1.77	2.250	12	32	3.58	3.840
6	14	1.13	1.500	12	38	4.14	4.560
6	32	1.51	1.920	12	44	4.14	5.280
6	38	1.79	2.280	12	50	4.71	6.000
6	44	2.07	2.640	12	65	6.12	7.800
6	50	2.36	3.000	12	75	7.06	9.000
6	65	3.06	3.900	12	90	8.48	10.80
6	75	3.35	4.500	12	100	9.42	12.00
6	90	4.24	5.400	12	125	11.8	15.00
6	100	4.71	6.000	12	150	14.1	18.00
6	125	5.89	7.500	12	180	17.0	21.60
8	25	1.57	2.000	12	200	18.8	24.00
8	32	2.01	2.560	12	230	21.7	27.60
8	38	2.39	3.040	12	250	23.6	30.00
8	44	2.76	3.520	12	280	26.4	33.60
8	50	3.14	4.000	12	300	28.3	36.00
8	65	5.65	5.200	16	32	4.02	5.120
8	75	4.71	6.000	16	38	4.77	6.080
8	90	5.65	7.200	16	44	5.53	7.040
8	100	6.28	8.000	16	50	6.28	8.000
8	125	7.85	10.00	16	65	8.16	10.40
9	25	1.77	2.250	16	75	9.42	12.00
9	32	2.26	2.880	16	90	11.3	14.40
9	38	2.68	3.420	16	100	12.6	16.00
9	44	3.11	3.960	16	125	15.7	20.00
9	50	3.53	4.500	16	150	18.8	24.00



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Section size		Unit weight M	Section area A	Section size		Unit weight M	Section area A
thickness	width			thickness	width		
mm	mm	kg/m	cm ²	mm	mm	kg/m	cm ²
16	180	22.6	28.00	25	90	17.7	22.50
16	200	25.1	32.00	25	100	19.6	25.00
16	230	28.9	36.80	25	125	24.5	31.25
16	250	31.4	50.00	25	150	29.4	37.50
16	280	35.2	44.80	25	180	35.3	45.00
16	300	37.7	48.00	25	200	39.2	50.00
19	38	5.67	7.220	25	230	45.1	57.50
19	44	6.56	8.360	25	250	49.1	62.50
19	50	7.46	9.500	25	280	55.0	70.00
19	65	9.69	12.35	25	300	58.9	75.00
19	75	11.2	14.25	28	100	22.0	28.00
19	90	13.4	17.1	28	125	27.5	35.00
19	100	14.9	19.00	28	150	33.0	42.00
19	125	18.6	23.75	28	180	39.6	50.40
19	150	22.4	28.50	28	200	44.0	56.00
19	180	26.8	34.20	28	230	50.6	64.40
19	200	29.8	38.00	28	250	55.0	70.00
19	230	34.3	43.70	28	280	61.5	78.40
19	250	37.3	47.50	28	300	65.9	84.00
19	280	41.8	53.20	32	100	25.1	32.00
19	300	44.7	57.00	32	125	31.4	40.00
22	50	8.64	11.00	32	150	37.7	48.00
22	65	11.2	14.30	32	180	45.2	57.60
22	75	13.0	16.50	32	200	50.2	64.00
22	90	15.5	19.80	32	230	57.8	73.60
22	100	17.3	22.00	32	250	62.8	80.00
22	125	21.6	27.50	32	280	70.3	89.60
22	150	25.9	33.00	32	300	75.4	96.00
22	180	31.1	39.60	36	100	28.3	36.00
22	200	34.5	44.00	36	125	35.3	45.00
22	230	39.7	50.60	36	150	42.4	54.00
22	250	43.2	55.00	36	180	50.9	64.80
22	280	48.4	61.00	36	200	56.5	72.00
22	300	51.8	66.00	36	230	65.0	82.8
25	50	9.81	12.50	36	250	70.6	90.00
25	65	12.8	16.25	36	280	79.1	100.8
25	75	14.7	18.75	36	300	84.8	108.0