

Flat Bars

(Metric units)

Section Size		Unit Weight	Section Area
Thickness	width	M	A
mm	mm	kg/m	cm ²
3.0	12	0.28	0.36
3.0	16	0.38	0.48
3.0	19	0.45	0.57
3.0	25	0.59	0.75
3.0	32	0.75	0.96
3.0	38	0.90	1.14
3.0	50	1.18	1.50
4.5	12	0.42	0.54
4.5	16	0.57	0.72
4.5	19	0.67	0.85
4.5	25	0.88	1.125
4.5	32	1.13	1.44
4.5	38	1.34	1.71
4.5	44	1.55	1.98
4.5	50	1.77	2.25
4.5	65	2.30	2.93
4.5	75	2.60	3.37
4.5	100	3.55	4.50
5.0	25	0.98	1.25
5.0	50	1.96	2.50
6.0	12	0.57	0.72
6.0	16	0.75	0.96
6.0	19	0.90	1.14
6.0	25	1.13	1.50
6.0	32	1.51	1.92
6.0	38	1.79	2.28
6.0	44	2.07	2.64
6.0	50	2.36	3.00
6.0	65	3.06	3.90
6.0	75	3.53	4.50
6.0	90	4.24	5.40
6.0	100	4.71	6.00
6.0	125	5.89	7.50
6.0	150	7.05	9.00
6.0	200	9.42	12.00
6.0	250	11.78	15.00
6.0	300	14.13	18.00
8.0	25	1.57	2.00
8.0	32	2.01	2.56
8.0	38	2.39	3.04
8.0	44	2.76	3.52
8.0	50	3.14	4.00
8.0	65	5.65	7.20
8.0	75	6.28	8.00
8.0	90	7.20	9.00
8.0	100	8.00	10.00
8.0	125	9.75	12.50

Section Size		Unit Weight	Section Area
Thickness	width	M	A
mm	mm	kg/m	cm ²
9.0	19	1.34	1.71
9.0	25	1.77	2.25
9.0	32	2.26	2.88
9.0	35	2.47	3.15
9.0	38	2.68	3.42
9.0	44	3.11	3.96
9.0	50	3.53	4.50
9.0	65	4.59	5.85
9.0	75	5.30	6.75
9.0	90	6.36	8.10
9.0	100	7.06	9.999
9.0	125	8.83	11.25
9.0	150	10.60	13.50
9.0	180	12.70	16.20
9.0	200	14.10	18.00
9.0	230	16.20	20.70
9.0	250	17.70	22.50
9.0	300	21.20	27.00
12.0	25	2.36	3.00
12.0	32	3.01	3.84
12.0	35	3.31	4.20
12.0	38	3.58	4.62
12.0	44	4.14	5.28
12.0	50	4.71	6.00
12.0	65	6.12	7.80
12.0	75	7.06	9.00
12.0	90	8.48	10.80
12.0	100	9.42	12.00
12.0	125	11.80	15.00
12.0	150	14.10	18.00
12.0	180	17.00	21.60
12.0	200	18.80	24.00
12.0	230	21.70	27.60
12.0	250	23.60	30.00
12.0	280	26.40	33.60
12.0	300	28.30	36.00
16.0	25	3.14	4.00
16.0	32	4.02	5.12
16.0	38	4.77	6.08
16.0	44	5.53	7.04
16.0	50	6.28	8.00
16.0	65	8.16	10.40
16.0	75	9.42	12.00
16.0	90	11.30	14.40
16.0	100	12.60	16.00
16.0	125	15.70	20.00
16.0	150	18.80	24.00
16.0	230	28.90	36.80
16.0	250	31.40	40.00
16.0	280	35.20	44.80
16.0	300	37.70	48.00

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Section Size		Unit Weight	Section Area
Thickness	width	M	A
mm	mm	kg/m	cm ²
19.0	38	5.67	7.22
19.0	44	6.56	8.36
19.0	50	7.46	9.50
19.0	65	9.69	12.35
19.0	75	11.20	14.25
19.0	90	13.40	17.10
19.0	100	14.90	19.00
19.0	125	18.60	23.75
19.0	150	22.40	28.50
19.0	180	26.80	34.20
19.0	200	29.80	38.00
19.0	230	34.30	43.70
19.0	250	37.30	47.50
19.0	280	41.80	53.20
19.0	300	44.70	57.00
22.0	50	8.64	11.00
22.0	65	11.20	14.30
22.0	75	13.00	16.50
22.0	90	15.50	19.80
22.0	100	17.30	22.00
22.0	125	21.60	27.50
22.0	150	25.90	33.00
22.0	180	31.10	39.60
22.0	200	34.50	44.00
22.0	230	39.70	50.60
22.0	250	43.20	55.00
22.0	280	48.40	61.00
22.0	300	51.80	66.00
25.0	50	9.81	12.50
25.0	65	12.80	16.25
25.0	75	14.70	18.75
25.0	125	24.50	31.25
25.0	150	29.40	37.50
25.0	180	35.30	45.00
25.0	200	39.20	50.00
25.0	230	45.10	57.50
25.0	250	49.10	62.50
25.0	280	55.00	70.00
25.0	300	58.90	75.00

Section Size		Unit Weight	Section Area
Thickness	width	M	A
mm	mm	kg/m	cm ²
28.0	100	22.00	28.00
28.0	125	27.50	35.00
28.0	150	33.00	42.00
28.0	180	39.60	50.40
28.0	200	44.00	56.00
28.0	230	50.60	64.40
28.0	250	55.00	70.00
28.0	280	61.50	78.40
28.0	300	65.90	84.00
32.0	100	25.10	32.00
32.0	125	31.40	40.00
32.0	150	37.70	48.00
32.0	180	45.20	57.60
32.0	200	50.20	64.00
32.0	230	57.80	73.60
32.0	250	62.80	80.00
32.0	280	70.30	89.60
32.0	300	75.40	96.00
36.0	100	28.30	36.00
36.0	125	35.30	45.00
36.0	150	42.40	54.00
36.0	180	50.90	64.80
36.0	200	56.50	72.00
36.0	230	65.00	82.80
36.0	250	70.60	90.00
36.0	280	79.10	100.80
36.0	300	84.80	108.00

Material Spec: EN10025 S275JR
BS4360 Gr43A
JIS G3101 SS400