

# BARS

## Flat

Metric units

Section size		Unit weight M kg/m	Section area A cm <sup>2</sup>	Section size		Unit weight M kg/m	Section area A cm <sup>2</sup>
thickness mm	width mm			thickness mm	width mm		
3.0	12.0	0.283	0.36	9.0	19.0	1.34	1.71
3.0	16.0	0.377	0.48	9.0	25.0	1.77	2.25
3.0	19.0	0.447	0.57	9.0	32.0	2.26	2.88
3.0	25.0	0.589	0.75	9.0	35.0	2.47	3.15
3.0	32.0	0.754	0.96	9.0	38.0	2.68	3.42
3.0	38.0	0.895	1.14	9.0	44.0	3.11	3.96
3.0	50.0	1.18	1.50	9.0	50.0	3.53	4.50
4.5	12.0	0.424	0.54	9.0	65.0	4.59	5.85
4.5	16.0	0.565	0.72	9.0	75.0	5.30	6.75
4.5	19.0	0.67	0.85	9.0	90.0	6.36	8.10
4.5	25.0	0.88	1.125	9.0	100.0	7.06	9.999
4.5	32.0	1.13	1.44	9.0	125.0	8.83	11.25
4.5	38.0	1.34	1.71	9.0	150.0	10.6	13.50
4.5	44.0	1.55	1.98	9.0	180.0	12.7	16.20
4.5	50.0	1.77	2.25	9.0	200.0	14.1	18.00
4.5	65.0	2.30	2.93	9.0	230.0	16.2	20.70
4.5	75.0	2.60	3.37	9.0	250.0	17.7	22.50
4.5	100.0	3.55	4.50	9.0	300.0	21.2	27.00
5.0	25.0	0.98	1.25	12.0	25.0	2.36	3.00
5.0	50.0	1.96	2.50	12.0	32.0	3.01	3.84
6.0	12.0	0.57	0.72	12.0	35.0	3.31	4.20
6.0	16.0	0.754	0.96	12.0	38.0	3.58	4.56
6.0	19.0	0.895	1.14	12.0	44.0	4.14	5.28
6.0	25.0	1.13	1.50	12.0	50.0	4.71	6.00
6.0	32.0	1.51	1.92	12.0	65.0	6.12	7.80
6.0	38.0	1.79	2.28	12.0	75.0	7.06	9.00
6.0	44.0	2.07	2.64	12.0	90.0	8.48	10.80
6.0	50.0	2.36	3.00	12.0	100.0	9.42	12.00
6.0	65.0	3.06	3.90	12.0	125.0	11.8	15.00
6.0	75.0	3.53	4.50	12.0	150.0	14.1	18.00
6.0	90.0	4.24	5.40	12.0	180.0	17.0	21.60
6.0	100.0	4.71	6.00	12.0	200.0	18.8	24.00
6.0	125.0	5.89	7.50	12.0	230.0	21.7	27.60
6.0	150.0	7.05	9.00	12.0	250.0	23.6	30.00
6.0	200.0	9.42	12.00	12.0	280.0	26.4	33.60
6.0	250.0	11.78	15.00	12.0	300.0	28.3	36.00
6.0	300.0	14.13	18.00	16.0	25.0	3.14	4.00
8.0	25.0	1.57	2.00	16.0	32.0	4.02	5.12
8.0	32.0	2.01	2.56	16.0	38.0	4.77	6.08
8.0	38.0	2.39	3.04	16.0	44.0	5.53	7.04
8.0	44.0	2.76	3.52	16.0	50.0	6.28	8.00
8.0	50.0	3.14	4.00	16.0	65.0	8.16	10.40
8.0	65.0	5.65	5.20	16.0	75.0	9.42	12.00
8.0	75.0	4.71	6.00	16.0	90.0	11.3	14.40
8.0	90.0	5.65	7.20	16.0	100.0	12.6	16.00
8.0	100.0	6.28	8.00	16.0	125.0	15.7	20.00
8.0	125.0	7.85	10.00	16.0	150.0	18.8	24.00

## Flat

Metric units

Section size		Unit weight M kg/m	Section area A cm <sup>2</sup>	Section size		Unit weight M kg/m	Section area A cm <sup>2</sup>
thickness mm	width mm			thickness mm	width mm		
16.0	180.0	22.6	28.0	25.0	90.0	17.7	22.5
16.0	200.0	25.1	32.0	25.0	100.0	19.6	25.0
16.0	230.0	28.9	36.8	25.0	125.0	24.5	31.25
16.0	250.0	31.4	50.0	25.0	150.0	29.4	37.5
16.0	280.0	35.2	44.8	25.0	180.0	35.3	45.0
16.0	300.0	37.7	48.0	25.0	200.0	39.2	50.0
19.0	38.0	5.67	7.22	25.0	230.0	45.1	57.5
19.0	44.0	6.56	8.36	25.0	250.0	49.1	62.5
19.0	50.0	7.46	9.50	25.0	280.0	55.0	70.0
19.0	65.0	9.69	12.35	25.0	300.0	58.9	75.0
19.0	75.0	11.2	14.25	28.0	100.0	22.0	28.0
19.0	90.0	13.4	17.1	28.0	125.0	27.5	35.0
19.0	100.0	14.9	19.0	28.0	150.0	33.0	42.0
19.0	125.0	18.6	23.75	28.0	180.0	39.6	50.4
19.0	150.0	22.4	28.5	28.0	200.0	44.0	56.0
19.0	180.0	26.8	34.2	28.0	230.0	50.6	64.4
19.0	200.0	29.8	38.0	28.0	250.0	55.0	70.0
19.0	230.0	34.3	43.7	28.0	280.0	61.5	78.4
19.0	250.0	37.3	47.5	28.0	300.0	65.9	84.0
19.0	280.0	41.8	53.2	32.0	100.0	25.1	32.0
19.0	300.0	44.7	57.0	32.0	125.0	31.4	40.0
22.0	50.0	8.64	11.0	32.0	150.0	37.7	48.0
22.0	65.0	11.2	14.3	32.0	180.0	45.2	57.6
22.0	75.0	13.0	16.5	32.0	200.0	50.2	64.0
22.0	90.0	15.5	19.8	32.0	230.0	57.8	73.6
22.0	100.0	17.3	22.0	32.0	250.0	62.8	80.0
22.0	125.0	21.6	27.5	32.0	280.0	70.3	89.6
22.0	150.0	25.9	33.0	32.0	300.0	75.4	96.0
22.0	180.0	31.1	39.6	36.0	100.0	28.3	36.0
22.0	200.0	34.5	44.0	36.0	125.0	35.3	45.0
22.0	230.0	39.7	50.6	36.0	150.0	42.4	54.0
22.0	250.0	43.2	55.0	36.0	180.0	50.9	64.8
22.0	280.0	48.4	61.0	36.0	200.0	56.5	72.0
22.0	300.0	51.8	66.0	36.0	230.0	65.0	82.8
25.0	50.0	9.81	12.5	36.0	250.0	70.6	90.0
25.0	65.0	12.8	16.25	36.0	280.0	79.1	100.8
25.0	75.0	14.7	18.75	36.0	300.0	84.8	108.0