MS Flat Weight Chart

Updated 8 November 2026 · Checked against IS 1731, IS 2062:2011

MS Flat Bar Weight Chart

Size (mm)	kg per m	Per 6 m	Per 20 ft
25 × 3	0.589	3.53	3.59
25 × 5	0.981	5.89	5.98
25 × 6	1.177	7.06	7.18
32 × 5	1.256	7.54	7.66
32 × 6	1.507	9.04	9.19
40 × 5	1.570	9.42	9.57
40 × 6	1.884	11.30	11.48
40 × 8	2.512	15.07	15.31
50 × 5	1.962	11.77	11.96
50 × 6	2.355	14.13	14.36
50 × 8	3.140	18.84	19.14
50 × 10	3.925	23.55	23.93
65 × 6	3.061	18.37	18.66
65 × 8	4.082	24.49	24.88
75 × 6	3.532	21.20	21.53
75 × 8	4.710	28.26	28.71
75 × 10	5.887	35.32	35.89
100 × 6	4.710	28.26	28.71
100 × 8	6.280	37.68	38.28
100 × 10	7.850	47.10	47.85
100 × 12	9.420	56.52	57.42

Flat Bar Weight Formula

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Weight (kg/m) = Width (mm) × Thickness (mm) × 0.00785
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Example: a 50 × 6 mm flat bar weighs 50 × 6 × 0.00785 = **2.355 kg/m**, or 14.13 kg for 6 m.

For galvanised flats and earthing strips, see the GI flat weight chart.

Sources & Standards

- IS 1731 – Dimensions for steel flats
- IS 2062:2011 – Hot rolled structural steel
- Density of mild steel: 7,850 kg/m³ (7.85 g/cm³); SS 304: 7,930 kg/m³

Weights are theoretical. Found an error? Tell us and we will fix it.