MS Square Bar Weight Chart

Updated 8 November 2026 · Checked against IS 1732

MS Square Bar Weight Chart

Size (mm)	kg per m	Per 6 m	Per 20 ft
6 × 6	0.283	1.70	1.72
8 × 8	0.502	3.01	3.06
10 × 10	0.785	4.71	4.79
12 × 12	1.130	6.78	6.89
16 × 16	2.010	12.06	12.25
20 × 20	3.140	18.84	19.14
25 × 25	4.906	29.44	29.91
32 × 32	8.038	48.23	49.00
40 × 40	12.560	75.36	76.57
50 × 50	19.625	117.75	119.63

Square Bar Weight Formula

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Weight (kg/m) = Side (mm) × Side (mm) × 0.00785
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Example: a 12 mm square bar weighs 12 × 12 × 0.00785 = **1.130 kg/m**, or 6.78 kg for 6 m.

Sources & Standards

- IS 1732 – Dimensions for round and square steel bars
- 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.