

M16 Hex Bolt Weight Chart (in kg)

M16 · 23 lengths × 14 sizes · g per piece · kg/1000 pcs · carbon steel 7.85 g/cm³ · GB/T 5782 partial thread

M16

GB/T 5782 · As 157 mm²

Length (mm)	Weight per piece (g) g / piece	Weight per 1,000 pcs (kg) kg / 1000 pcs
M16×10	49	49
M16×12	51	51
M16×16	57	57
M16×20	62	62
M16×25	69	69
M16×30	75	75
M16×35	82	82
M16×40	89	89
M16×45	97	97
M16×50	100	100
M16×60	120	120
M16×70	140	140
M16×80	150	150
M16×90	170	170
M16×100	180	180
M16×110	200	200
M16×120	220	220
M16×140	250	250
M16×160	280	280
M16×180	310	310
M16×200	340	340
M16×250	420	420
M16×300	500	500

Basis of Calculation

Carbon steel (density 7.85 g/cm³), GB/T 5782 partially threaded, coarse pitch, base-metal weight (coating excluded). Typical deviation within ±5% for standard parts; stainless 304/316 scale by density 7.93/7.98 (≈ +1.0%/+1.7%). Use measured values for trade settlement.

References

- GB/T 5782-2016 — Hex head bolts (CN national standard, official full text; aligns with ISO 4014 series) — https://openstd.samr.gov.cn/bzgk/gb/std?std_no=GB%2FT%205782-2016
- Hex head bolt dimensions (ISO 4014 series)
- GB/T 192-2003 — General purpose metric screw threads: basic profile (CN, official full text; ISO 68-1 equivalent) — https://openstd.samr.gov.cn/bzgk/gb/std?std_no=GB%2FT%20192-2003
- Metric thread basic profile (ISO 68-1)
- Dimensions cross-checked against industry fastener data libraries; densities are common industry values

Disclaimer: This chart is an engineering estimation. Values are provided for selection, quotation and freight estimation only and do not constitute design or acceptance criteria.

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