

M18 Hex Bolt Weight Chart (in kg)

M18 · 23 lengths × 14 sizes · g per piece · kg/1000 pcs · carbon steel 7.85 g/cm³ · GB/T 5782 partial thread

M18

GB/T 5782 · As 192 mm²

Length (mm)	Weight per piece (g) g / piece	Weight per 1,000 pcs (kg) kg / 1000 pcs
M18×10	68	68
M18×12	71	71
M18×16	78	78
M18×20	84	84
M18×25	93	93
M18×30	100	100
M18×35	110	110
M18×40	120	120
M18×45	130	130
M18×50	140	140
M18×60	160	160
M18×70	180	180
M18×80	200	200
M18×90	220	220
M18×100	240	240
M18×110	260	260
M18×120	280	280
M18×140	320	320
M18×160	360	360
M18×180	400	400
M18×200	440	440
M18×250	540	540
M18×300	640	640

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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