

M24 Hex Bolt Weight Chart (in kg)

M24 · 23 lengths × 14 sizes · g per piece · kg/1000 pcs · carbon steel 7.85 g/cm³ · GB/T 5782 partial thread

M24

GB/T 5782 · As 353 mm²

Length (mm)	Weight per piece (g) g / piece	Weight per 1,000 pcs (kg) kg / 1000 pcs
M24×10	150	150
M24×12	150	150
M24×16	170	170
M24×20	180	180
M24×25	190	190
M24×30	210	210
M24×35	220	220
M24×40	240	240
M24×45	250	250
M24×50	270	270
M24×60	300	300
M24×70	340	340
M24×80	370	370
M24×90	410	410
M24×100	440	440
M24×110	480	480
M24×120	520	520
M24×140	590	590
M24×160	660	660
M24×180	730	730
M24×200	800	800
M24×250	980	980
M24×300	1200	1200

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.

M24 Hex Bolt Weight Chart (in kg) — Yaxiio full-range reference PDF, pack v1 · generated 2026-09-10 · data source: yaxiio-customer/utills/fastenerCalc.ts (single source of truth) · methodology matches the online tool pages · <https://www.yaxiio.com/en/tools/bolt-weight-chart/m24>