

M8 Hex Bolt Weight Chart (in kg)

M8 · 23 lengths × 14 sizes · g per piece · kg/1000 pcs · carbon steel 7.85 g/cm³ · GB/T 5782 partial thread

M8

GB/T 5782 · As 36.6 mm²

Length (mm)	Weight per piece (g) g / piece	Weight per 1,000 pcs (kg) kg / 1000 pcs
M8×10	9	9
M8×12	9	9
M8×16	11	11
M8×20	12	12
M8×25	14	14
M8×30	16	16
M8×35	18	18
M8×40	20	20
M8×45	22	22
M8×50	24	24
M8×60	27	27
M8×70	31	31
M8×80	35	35
M8×90	39	39
M8×100	43	43
M8×110	47	47
M8×120	51	51
M8×140	59	59
M8×160	67	67
M8×180	75	75
M8×200	83	83
M8×250	100	100
M8×300	120	120

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.

M8 Hex Bolt Weight Chart (in kg) — Yaxiio full-range reference PDF, pack v1 · generated 2026-09-10 · data source: yaxiio-customer/utils/fastenerCalc.ts (single source of truth) · methodology matches the online tool pages · <https://www.yaxiio.com/en/tools/bolt-weight-chart/m8>