

M20 Hex Bolt Weight Chart (in kg)

M20 · 23 lengths × 14 sizes · g per piece · kg/1000 pcs · carbon steel 7.85 g/cm³ · GB/T 5782 partial thread

M20

GB/T 5782 · As 245 mm²

Length (mm)	Weight per piece (g) g / piece	Weight per 1,000 pcs (kg) kg / 1000 pcs
M20×10	90	90
M20×12	94	94
M20×16	100	100
M20×20	110	110
M20×25	120	120
M20×30	130	130
M20×35	140	140
M20×40	150	150
M20×45	160	160
M20×50	170	170
M20×60	200	200
M20×70	220	220
M20×80	250	250
M20×90	270	270
M20×100	300	300
M20×110	320	320
M20×120	350	350
M20×140	400	400
M20×160	450	450
M20×180	500	500
M20×200	540	540
M20×250	670	670
M20×300	790	790

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.

M20 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/m20>