

M22 Hex Bolt Weight Chart (in kg)

M22 · 23 lengths × 14 sizes · g per piece · kg/1000 pcs · carbon steel 7.85 g/cm³ · GB/T 5782 partial thread

M22

GB/T 5782 · As 303 mm²

Length (mm)	Weight per piece (g) g / piece	Weight per 1,000 pcs (kg) kg / 1000 pcs
M22×10	110	110
M22×12	120	120
M22×16	130	130
M22×20	140	140
M22×25	150	150
M22×30	160	160
M22×35	180	180
M22×40	190	190
M22×45	200	200
M22×50	220	220
M22×60	250	250
M22×70	280	280
M22×80	310	310
M22×90	340	340
M22×100	360	360
M22×110	390	390
M22×120	420	420
M22×140	480	480
M22×160	540	540
M22×180	600	600
M22×200	660	660
M22×250	810	810
M22×300	960	960

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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