

Hex Bolt — GB/T 6173 / ISO 8675 (Series 057) — GB/T 6173 / ISO 8675

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[Fasteners/ Bolts/](#) Hex Bolt — GB/T 6173 / ISO 8675 (Series 057)

Bolts · CAD Hex Bolts

Hex Bolt — GB/T 6173 / ISO 8675 (Series 057) to GB/T 6173 / ISO 8675. Full dimensional table, materials, finishes and quotation. 14 sizes listed.



Technical Drawing

Customize the parameters below — every spec field is editable, and the drawing redraws to match the values you choose. Changing the size will snap the other fields to that size's standard values; you can then override any individual value.

Sends the selected values to the quote form below.

Request a Quotation for Hex Bolt — GB/T 6173 / ISO 8675 (Series 057)

Tell us the size, material, finish and quantity you need for Hex Bolt — GB/T 6173 / ISO 8675 (Series 057) (GB/T 6173 / ISO 8675) and our team will respond within one business day. Click "Request this configuration" on the drawing above to send the parameters you just chose straight into this form.

Category Type Standard Thread size Material Finish

Dimensions & Specifications (GB/T 6173 / ISO 8675)

Every row below is a starting point for the customizer above — pick any size and the drawing will redraw to that row.

Size	Pitch (mm)	Nominal diameter d (mm)	Length L (mm)	Width across flats s (mm)	Width across corners e (mm)	Head height k (mm)
M3	0.5	3	20	5.5	6.01	2.0
M4	0.7	4	25	7.0	7.66	2.8
M5	0.8	5	30	8.0	8.79	3.5
M6	1.0	6	40	10.0	11.05	4.0
M8	1.25	8	50	13.0	14.38	5.3
M10	1.5	10	60	16.0	17.77	6.4
M12	1.75	12	80	18.0	20.03	7.5
M14	2.0	14	80	21.0	23.36	8.8
M16	2.0	16	100	24.0	26.75	10.0
M18	2.5	18	100	27.0	30.14	11.5
M20	2.5	20	120	30.0	33.53	12.5
M24	3.0	24	150	36.0	39.98	15.0
M30	3.5	30	180	46.0	50.85	18.7
M36	4.0	36	200	55.0	60.79	22.5

Hex Bolt — GB/T 6173 / ISO 8675 (Series 057) conform to GB/T 6173 / ISO 8675. As bolts, they are specified by the dimensions in the table below; this page also covers materials, finishes and typical uses.

What Are Hex Bolt — GB/T 6173 / ISO 8675 (Series 057)?

Hex Bolt — GB/T 6173 / ISO 8675 (Series 057) are bolts defined by GB/T 6173 / ISO 8675. They are selected by thread size and the dimensional characteristics shown below, and are available in a range of materials and finishes to suit the application and environment.

CAD Source Reference

This page is generated from an original native CAD part model (SolidWorks .SLDPRT) of the hex bolt — gb/t 6173 / iso 8675 (series 057) family maintained by our engineering team, covering 7 recorded size configurations. The technical drawing shown above is rebuilt parametrically from the dimensional table, so it always reflects the exact size and configuration you select. Native CAD files (STEP / SLDPR) can be supplied with your quotation on request.

Materials & Finishes

Common materials include carbon steel (typically zinc plated or hot-dip galvanized), alloy steel in property classes 8.8, 10.9 and 12.9, and stainless steel A2 (304) or A4 (316) for corrosion resistance. Specify the material, property class and surface finish appropriate to your load and environment.

Typical Applications

Structural steelwork, machinery, automotive and general assembly where high-strength, removable joints are required. [Read the full application guide for Hex Bolt — GB/T 6173 / ISO 8675 \(Series 057\) →](#)

Related Fasteners

- [Hex Bolt — GB/T 5782 / ISO 4014 \(Series 006\) — GB/T 5782 / ISO 4014](#)
- [Slotted Hex Bolt — GB/T 5782 / ISO 4014 \(Series 005\) — GB/T 5782 / ISO 4014](#)
- [Hex Head Bolt — GB/T 5782 / ISO 4014 \(Series 002\) — GB/T 5782 / ISO 4014](#)
- [Hex Bolt — GB/T 5783 / ISO 4017 \(Series 010\) — GB/T 5783 / ISO 4017](#)
- [Hex Head Bolt — GB/T 5782 / ISO 4014 \(Series 007\) — GB/T 5782 / ISO 4014](#)

Pricing

Hex Bolt — GB/T 6173 / ISO 8675 (Series 057) are stocked and supplied to order. Pricing starts from approximately US\$0.080 per piece for standard sizes in carbon steel; final pricing depends on size, material, finish and order quantity (MOQ applies). Submit your exact configuration with the quote form above.

Frequently Asked Questions

Which standard governs Hex Bolt — GB/T 6173 / ISO 8675 (Series 057), and how are they driven?

Hex Bolt — GB/T 6173 / ISO 8675 (Series 057) are manufactured to GB/T 6173 / ISO 8675 and use an external hex drive. The dimensional values on this page follow that standard.

Which sizes of Hex Bolt — GB/T 6173 / ISO 8675 (Series 057) does engineeringhardware.com supply?

The table on this page lists 14 sizes for Hex Bolt — GB/T 6173 / ISO 8675 (Series 057), ranging from M3 to M36. Sizes outside the table can be quoted on request.

In which materials are Hex Bolt — GB/T 6173 / ISO 8675 (Series 057) supplied?

Hex Bolt — GB/T 6173 / ISO 8675 (Series 057) are supplied in carbon steel in property classes 8.8 / 10.9 / 12.9 and stainless A2 (304) / A4 (316), with finishes including zinc plating, hot-dip galvanizing and black oxide. Choose material and finish to suit the load and the service environment for Hex Bolt — GB/T 6173 / ISO 8675 (Series 057).

What spanner sizes do Hex Bolt — GB/T 6173 / ISO 8675 (Series 057) take?

The width-across-flats for the smallest size on this page is 5.5 mm; the full table opposite the drawing lists the spanner size for every Hex Bolt — GB/T 6173 / ISO 8675 (Series 057).

How do I request a quotation?

Use the parametric drawing on this page to set the exact configuration (size, material, finish) and click "Request this configuration" — a specialist from engineeringhardware.com will respond within one business day.

More Bolts

[← Previous](#)[Clamping Handle Screw \(Long\) — DIN 6336 / GN 313 \(Series 044\)](#)[DIN 6336 / GN 313](#)[Next →](#)[Stud Bolt, Double-End — GB/T 901 / DIN 939 \(Series 091\)](#)[GB/T 901 / DIN 939](#)