

Hex Nut — GB/T 6170 / ISO 4032 (Series 059) — GB/T 6170 / ISO 4032

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[Fasteners/ Nuts/](#) Hex Nut — GB/T 6170 / ISO 4032 (Series 059)

Nuts · CAD Hex Nuts

Hex Nut — GB/T 6170 / ISO 4032 (Series 059) to GB/T 6170 / ISO 4032. 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 Nut — GB/T 6170 / ISO 4032 (Series 059)

Tell us the size, material, finish and quantity you need for Hex Nut — GB/T 6170 / ISO 4032 (Series 059) (GB/T 6170 / ISO 4032) 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 6170 / ISO 4032)

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)	Width across flats s (mm)	Width across corners e (mm)	Nut height m (mm)	Reference standard
M3	0.5	5.5	6.01	2.4	ISO 4032 / GB/T 6170
M4	0.7	7.0	7.66	3.2	ISO 4032 / GB/T 6170
M5	0.8	8.0	8.79	4.7	ISO 4032 / GB/T 6170
M6	1.0	10.0	11.05	5.2	ISO 4032 / GB/T 6170
M8	1.25	13.0	14.38	6.8	ISO 4032 / GB/T 6170
M10	1.5	16.0	17.77	8.4	ISO 4032 / GB/T 6170
M12	1.75	18.0	20.03	10.8	ISO 4032 / GB/T 6170
M14	2.0	21.0	23.36	12.8	ISO 4032 / GB/T 6170
M16	2.0	24.0	26.75	14.8	ISO 4032 / GB/T 6170
M18	2.5	27.0	30.14	15.8	ISO 4032 / GB/T 6170
M20	2.5	30.0	33.53	18.0	ISO 4032 / GB/T 6170
M24	3.0	36.0	39.98	21.5	ISO 4032 / GB/T 6170
M30	3.5	46.0	50.85	25.6	ISO 4032 / GB/T 6170
M36	4.0	55.0	60.79	31.0	ISO 4032 / GB/T 6170

Hex Nut — GB/T 6170 / ISO 4032 (Series 059) are nuts manufactured to GB/T 6170 / ISO 4032. This page lists the full dimensional range with the key specifications engineers need to select and specify them.

What Are Hex Nut — GB/T 6170 / ISO 4032 (Series 059)?

Hex Nut — GB/T 6170 / ISO 4032 (Series 059) are nuts defined by GB/T 6170 / ISO 4032. 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 nut — gb/t 6170 / iso 4032 (series 059) family maintained by our engineering team, covering 11 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

Paired with bolts and studs across machinery, structures and equipment; lock variants resist loosening under vibration. [Read the full application guide for Hex Nut — GB/T 6170 / ISO 4032 \(Series 059\) →](#)

Related Fasteners

- [Thin Hex Nut — GB/T 901 / DIN 939 \(Series 094\) — GB/T 901 / DIN 939](#)
- [Hex Nut, Fine Pitch — GB/T 6171 / ISO 8673 \(Series 067\) — GB/T 6171 / ISO 8673](#)
- [Hex Nut — GB/T 6170 / ISO 4032 \(Series 061\) — GB/T 6170 / ISO 4032](#)
- [Thin Hex Nut — GB/T 6170 / ISO 4032 \(Series 058\) — GB/T 6170 / ISO 4032](#)
- [Thin Hex Nut — GB/T 6172.1 / ISO 4035 \(Series 055\) — GB/T 6172.1 / ISO 4035](#)

Pricing

Hex Nut — GB/T 6170 / ISO 4032 (Series 059) are stocked and supplied to order. Pricing starts from approximately US\$0.030 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

What is the controlling standard for Hex Nut — GB/T 6170 / ISO 4032 (Series 059), and what drive do they take?

Hex Nut — GB/T 6170 / ISO 4032 (Series 059) are manufactured to GB/T 6170 / ISO 4032 and use an external hex drive. The dimensional values on this page follow that standard.

What sizes are available for Hex Nut — GB/T 6170 / ISO 4032 (Series 059)?

The table on this page lists 14 sizes for Hex Nut — GB/T 6170 / ISO 4032 (Series 059), ranging from M3 to M36. Sizes outside the table can be quoted on request.

In which materials are Hex Nut — GB/T 6170 / ISO 4032 (Series 059) supplied?

Hex Nut — GB/T 6170 / ISO 4032 (Series 059) are supplied in matching property-class steel and stainless A2 / A4, 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 Nut — GB/T 6170 / ISO 4032 (Series 059).

What spanner sizes do Hex Nut — GB/T 6170 / ISO 4032 (Series 059) 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 Nut — GB/T 6170 / ISO 4032 (Series 059).

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 Nuts

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