

Hex Slotted Castle Nut (Type 1) — GB/T 6180 / ISO 7036 (Series 049) — GB/T 6180 / ISO 7036

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[Fasteners/ Nuts/](#) Hex Slotted Castle Nut (Type 1) — GB/T 6180 / ISO 7036 (Series 049)

Nuts · CAD Castellated Nuts

Hex Slotted Castle Nut (Type 1) — GB/T 6180 / ISO 7036 (Series 049) to GB/T 6180 / ISO 7036. 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 Slotted Castle Nut (Type 1) — GB/T 6180 / ISO 7036 (Series 049)

Tell us the size, material, finish and quantity you need for Hex Slotted Castle Nut (Type 1) — GB/T 6180 / ISO 7036 (Series 049) (GB/T 6180 / ISO 7036) 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 6180 / ISO 7036)

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)	Total height m (mm)	Slot width (mm)	Reference standard
M3	0.5	5.5	6.01	4.0	1.2	ISO 7036 / GB/T 6180
M4	0.7	7.0	7.66	5.0	1.5	ISO 7036 / GB/T 6180
M5	0.8	8.0	8.79	6.7	1.8	ISO 7036 / GB/T 6180
M6	1.0	10.0	11.05	7.7	2.0	ISO 7036 / GB/T 6180
M8	1.25	13.0	14.38	9.8	2.5	ISO 7036 / GB/T 6180
M10	1.5	16.0	17.77	12.4	2.8	ISO 7036 / GB/T 6180
M12	1.75	18.0	20.03	15.8	3.5	ISO 7036 / GB/T 6180
M14	2.0	21.0	23.36	17.8	4.0	ISO 7036 / GB/T 6180
M16	2.0	24.0	26.75	20.8	4.5	ISO 7036 / GB/T 6180
M18	2.5	27.0	30.14	22.5	4.5	ISO 7036 / GB/T 6180
M20	2.5	30.0	33.53	24.0	5.5	ISO 7036 / GB/T 6180
M24	3.0	36.0	39.98	29.5	6.0	ISO 7036 / GB/T 6180
M30	3.5	46.0	50.85	36.0	7.0	ISO 7036 / GB/T 6180
M36	4.0	55.0	60.79	43.0	8.0	ISO 7036 / GB/T 6180

Hex Slotted Castle Nut (Type 1) — GB/T 6180 / ISO 7036 (Series 049) (GB/T 6180 / ISO 7036) are a type of nuts used across industrial assembly. Below is the complete size table together with material, standard and application guidance.

What Are Hex Slotted Castle Nut (Type 1) — GB/T 6180 / ISO 7036 (Series 049)?

Hex Slotted Castle Nut (Type 1) — GB/T 6180 / ISO 7036 (Series 049) are nuts defined by GB/T 6180 / ISO 7036. 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 slotted castle nut (type 1) — gb/t 6180 / iso 7036 (series 049) family maintained by our engineering team. 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 / SLDPRPT) 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 Slotted Castle Nut \(Type 1\) — GB/T 6180 / ISO 7036 \(Series 049\) →](#)

Related Fasteners

- [Thin Hex Castle Nut — GB/T 6181 / ISO 4035 \(Series 053\) — GB/T 6181 / ISO 4035](#)
- [Hex Slotted Castle Nut \(Type 2\) — GB/T 6180 / ISO 7036 \(Series 050\) — GB/T 6180 / ISO 7036](#)
- [Castellated Hex Nut — GB/T 6180 / ISO 7036 \(Series 048\) — GB/T 6180 / ISO 7036](#)
- [Square Nut — GB/T 39 / ISO 4034 \(Series 075\) — GB/T 39 / ISO 4034](#)
- [Hex Nut — GB/T 6170 / ISO 4032 \(Series 059\) — GB/T 6170 / ISO 4032](#)

Pricing

Hex Slotted Castle Nut (Type 1) — GB/T 6180 / ISO 7036 (Series 049) 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 standard and drive type do Hex Slotted Castle Nut (Type 1) — GB/T 6180 / ISO 7036 (Series 049) use?

Hex Slotted Castle Nut (Type 1) — GB/T 6180 / ISO 7036 (Series 049) are manufactured to GB/T 6180 / ISO 7036 and use the standard drive for this product family. The dimensional values on this page follow that standard.

What sizes are available for Hex Slotted Castle Nut (Type 1) — GB/T 6180 / ISO 7036 (Series 049)?

The table on this page lists 14 sizes for Hex Slotted Castle Nut (Type 1) — GB/T 6180 / ISO 7036 (Series 049), ranging from M3 to M36. Sizes outside the table can be quoted on request.

In which materials are Hex Slotted Castle Nut (Type 1) — GB/T 6180 / ISO 7036 (Series 049) supplied?

Hex Slotted Castle Nut (Type 1) — GB/T 6180 / ISO 7036 (Series 049) 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 Slotted Castle Nut (Type 1) — GB/T 6180 / ISO 7036 (Series 049).

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

[← Previous](#)[Slotted Round Nut — GB/T 812 \(Series 069\)](#)[GB/T 812](#)[Next →](#)[Custom Slotted Round Nut — GB/T 812 \(Series 070\)](#)[GB/T 812](#)