

Nylon Insert Hex Lock Nut (Type 2) — GB/T 6182 / ISO 10513 (Series 051) — GB/T 6182 / ISO 10513

Engineering Hardware · engineeringhardware.com/fastener/cad-svg-051-nylocnut

[Fasteners/ Nuts/](#) Nylon Insert Hex Lock Nut (Type 2) — GB/T 6182 / ISO 10513 (Series 051)

Nuts · CAD Lock Nuts

Nylon Insert Hex Lock Nut (Type 2) — GB/T 6182 / ISO 10513 (Series 051) to GB/T 6182 / ISO 10513. 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 Nylon Insert Hex Lock Nut (Type 2) — GB/T 6182 / ISO 10513 (Series 051)

Tell us the size, material, finish and quantity you need for Nylon Insert Hex Lock Nut (Type 2) — GB/T 6182 / ISO 10513 (Series 051) (GB/T 6182 / ISO 10513) 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 6182 / ISO 10513)

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)	Reference standard
M3	0.5	5.5	6.01	4.0	ISO 7040 / DIN 985
M4	0.7	7.0	7.66	5.0	ISO 7040 / DIN 985
M5	0.8	8.0	8.79	5.0	ISO 7040 / DIN 985
M6	1.0	10.0	11.05	6.0	ISO 7040 / DIN 985
M8	1.25	13.0	14.38	8.0	ISO 7040 / DIN 985
M10	1.5	16.0	17.77	10.0	ISO 7040 / DIN 985
M12	1.75	18.0	20.03	12.0	ISO 7040 / DIN 985
M14	2.0	21.0	23.36	14.0	ISO 7040 / DIN 985
M16	2.0	24.0	26.75	16.0	ISO 7040 / DIN 985
M18	2.5	27.0	30.14	18.0	ISO 7040 / DIN 985
M20	2.5	30.0	33.53	20.0	ISO 7040 / DIN 985
M24	3.0	36.0	39.98	22.0	ISO 7040 / DIN 985
M30	3.5	46.0	50.85	25.0	ISO 7040 / DIN 985
M36	4.0	55.0	60.79	29.0	ISO 7040 / DIN 985

Manufactured to GB/T 6182 / ISO 10513, Nylon Insert Hex Lock Nut (Type 2) — GB/T 6182 / ISO 10513 (Series 051) are nuts supplied by engineeringhardware.com. The dimensional data, materials and selection notes are summarized here.

What Are Nylon Insert Hex Lock Nut (Type 2) — GB/T 6182 / ISO 10513 (Series 051)?

Nylon Insert Hex Lock Nut (Type 2) — GB/T 6182 / ISO 10513 (Series 051) are nuts defined by GB/T 6182 / ISO 10513. 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 nylon insert hex lock nut (type 2) — gb/t 6182 / iso 10513 (series 051) family maintained by our engineering team, covering 13 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 / 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 Nylon Insert Hex Lock Nut \(Type 2\) — GB/T 6182 / ISO 10513 \(Series 051\) →](#)

Related Fasteners

- [Nylon Insert Hex Lock Nut — GB/T 889 / ISO 7040 \(Series 078\) — GB/T 889 / ISO 7040](#)
- [All-Metal Prevailing Torque Hex Lock Nut \(Type 1\) — GB/T 6184 / ISO 7042 \(Series 047\) — GB/T 6184 / ISO 7042](#)
- [Thin Hex Nut — GB/T 901 / DIN 939 \(Series 094\) — GB/T 901 / DIN 939](#)
- [Square Nut, Metric — GB/T 39 / ISO 4034 \(Series 076\) — GB/T 39 / ISO 4034](#)
- [Custom Slotted Round Nut — GB/T 812 \(Series 070\) — GB/T 812](#)

Pricing

Nylon Insert Hex Lock Nut (Type 2) — GB/T 6182 / ISO 10513 (Series 051) 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 Nylon Insert Hex Lock Nut (Type 2) — GB/T 6182 / ISO 10513 (Series 051), and what drive do they take?

Nylon Insert Hex Lock Nut (Type 2) — GB/T 6182 / ISO 10513 (Series 051) are manufactured to GB/T 6182 / ISO 10513 and use the standard drive for this product family. The dimensional values on this page follow that standard.

What sizes are available for Nylon Insert Hex Lock Nut (Type 2) — GB/T 6182 / ISO 10513 (Series 051)?

The table on this page lists 14 sizes for Nylon Insert Hex Lock Nut (Type 2) — GB/T 6182 / ISO 10513 (Series 051), ranging from M3 to M36. Sizes outside the table can be quoted on request.

In which materials are Nylon Insert Hex Lock Nut (Type 2) — GB/T 6182 / ISO 10513 (Series 051) supplied?

Nylon Insert Hex Lock Nut (Type 2) — GB/T 6182 / ISO 10513 (Series 051) 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 Nylon Insert Hex Lock Nut (Type 2) — GB/T 6182 / ISO 10513 (Series 051).

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

[← PreviousHex Nuts, Grade CISO 4034](#)[Next →Square Nut — GB/T 39 / ISO 4034 \(Series 075\)GB/T 39 / ISO 4034](#)