

All-Metal Lock Nuts — ISO 7042 / DIN 980

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All-Metal Lock Nuts to ISO 7042 / DIN 980. Full dimensional table, materials, finishes and quotation. 12 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 All-Metal Lock Nuts

Tell us the size, material, finish and quantity you need for All-Metal Lock Nuts (ISO 7042 / DIN 980) 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 (ISO 7042 / DIN 980)

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)	Nut height m (mm)	Reference standard	Notes
M5	0.8	8.0	6.0	ISO 7042 / DIN 980	Deformed-top locking, high-temperature capable
M6	1.0	10.0	7.0	ISO 7042 / DIN 980	Deformed-top locking, high-temperature capable
M8	1.25	13.0	9.0	ISO 7042 / DIN 980	Deformed-top locking, high-temperature capable
M10	1.5	16.0	11.0	ISO 7042 / DIN 980	Deformed-top locking, high-temperature capable
M12	1.75	18.0	13.0	ISO 7042 / DIN 980	Deformed-top locking, high-temperature capable
M14	2.0	21.0	15.0	ISO 7042 / DIN 980	Deformed-top locking, high-temperature capable
M16	2.0	24.0	17.0	ISO 7042 / DIN 980	Deformed-top locking, high-temperature capable
M18	2.5	27.0	19.0	ISO 7042 / DIN 980	Deformed-top locking, high-temperature capable
M20	2.5	30.0	21.0	ISO 7042 / DIN 980	Deformed-top locking, high-temperature capable
M24	3.0	36.0	24.0	ISO 7042 / DIN 980	Deformed-top locking, high-temperature capable
M30	3.5	46.0	30.0	ISO 7042 / DIN 980	Deformed-top locking, high-temperature capable
M36	4.0	55.0	36.0	ISO 7042 / DIN 980	Deformed-top locking, high-temperature capable

All-Metal Lock Nuts conform to ISO 7042 / DIN 980. As nuts, they are specified by the dimensions in the table below; this page also covers materials, finishes and typical uses.

What Are All-Metal Lock Nuts?

All-Metal Lock Nuts are nuts defined by ISO 7042 / DIN 980. 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.

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 All-Metal Lock Nuts →](#)

Related Fasteners

- [Slotted Round Nut, Small Series — GB/T 810 \(Series 074\) — GB/T 810](#)
- [Hex Nut, Fine Pitch — GB/T 6171 / ISO 8673 \(Series 067\) — GB/T 6171 / ISO 8673](#)
- [Thin Hex Nut — GB/T 6172.1 / ISO 4035 \(Series 055\) — GB/T 6172.1 / ISO 4035](#)
- [Thin Hex Castle Nut — GB/T 6181 / ISO 4035 \(Series 053\) — GB/T 6181 / ISO 4035](#)
- [Nylon Insert Hex Lock Nut \(Type 2\) — GB/T 6182 / ISO 10513 \(Series 051\) — GB/T 6182 / ISO 10513](#)

Pricing

All-Metal Lock Nuts are stocked and supplied to order. Pricing starts from approximately US\$0.050 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 All-Metal Lock Nuts, and what drive do they take?

All-Metal Lock Nuts are manufactured to ISO 7042 / DIN 980 and use the standard drive for this product family. The dimensional values on this page follow that standard.

What is the size range of All-Metal Lock Nuts?

The table on this page lists 12 sizes for All-Metal Lock Nuts, ranging from M5 to M36. Sizes outside the table can be quoted on request.

In which materials are All-Metal Lock Nuts supplied?

All-Metal Lock Nuts 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 All-Metal Lock Nuts.

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 Nyloc Lock Nuts DIN 985 / ISO 7040](#) [Next → T-Slot Nuts DIN 508](#)