

Hex Flange Nuts — ISO 4161 / DIN 6923

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Nuts · Hex Flange Nuts

Hex Flange Nuts to ISO 4161 / DIN 6923. Full dimensional table, materials, finishes and quotation. 9 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 Flange Nuts

Tell us the size, material, finish and quantity you need for Hex Flange Nuts (ISO 4161 / DIN 6923) 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 4161 / DIN 6923)

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)	Flange diameter dc (mm)	Nut height m (mm)	Width across flats s (mm)	Reference standard
M5	0.8	11.8	5.0	8.0	ISO 4161 / DIN 6923
M6	1.0	14.2	6.0	10.0	ISO 4161 / DIN 6923
M8	1.25	17.9	8.0	13.0	ISO 4161 / DIN 6923
M10	1.5	21.8	10.0	15.0	ISO 4161 / DIN 6923
M12	1.75	26.0	12.0	18.0	ISO 4161 / DIN 6923
M14	2.0	29.9	14.0	21.0	ISO 4161 / DIN 6923
M16	2.0	34.5	16.0	24.0	ISO 4161 / DIN 6923
M20	2.5	42.8	20.0	30.0	ISO 4161 / DIN 6923
M24	3.0	51.1	24.0	36.0	ISO 4161 / DIN 6923

Manufactured to ISO 4161 / DIN 6923, Hex Flange Nuts are nuts supplied by engineeringhardware.com. The dimensional data, materials and selection notes are summarized here.

What Are Hex Flange Nuts?

Hex Flange Nuts are nuts defined by ISO 4161 / DIN 6923. 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 Hex Flange Nuts →](#)

Related Fasteners

- [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](#)
- [Slotted Round Nut, Small Series — GB/T 810 \(Series 074\) — GB/T 810](#)
- [Slotted Round Nut, Small Series — GB/T 812 \(Series 068\) — GB/T 812](#)
- [Hex Nut — GB/T 41 / ISO 4034 \(Series 060\) — GB/T 41 / ISO 4034](#)

Pricing

Hex Flange Nuts are stocked and supplied to order. Pricing starts from approximately US\$0.040 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 Flange Nuts, and what drive do they take?

Hex Flange Nuts are manufactured to ISO 4161 / DIN 6923 and use an external hex drive. The dimensional values on this page follow that standard.

What is the size range of Hex Flange Nuts?

The table on this page lists 9 sizes for Hex Flange Nuts, ranging from M5 to M24. Sizes outside the table can be quoted on request.

In which materials are Hex Flange Nuts supplied?

Hex Flange 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 Hex Flange Nuts.

What spanner sizes do Hex Flange Nuts take?

The width-across-flats for the smallest size on this page is 8.0 mm; the full table opposite the drawing lists the spanner size for every Hex Flange 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

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