

Hex Nuts — ISO 4032 / ISO 4033

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Nuts · Hex Nuts

Hex Nuts to ISO 4032 / ISO 4033. Full dimensional table, materials, finishes and quotation. 32 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 Nuts

Tell us the size, material, finish and quantity you need for Hex Nuts (ISO 4032 / ISO 4033) 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 4032 / ISO 4033)

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 min (mm)	Nut height m style 1 (mm)	Nut height m style 2 (mm)	Reference standard
M1	0.25	2.5	2.71	0.8	-	ISO 4032 (Style1) / ISO 4033 (Style2)
M1.2	0.25	3.0	3.28	1.0	-	ISO 4032 (Style1) / ISO 4033 (Style2)
M1.4	0.3	3.0	3.28	1.2	-	ISO 4032 (Style1) / ISO 4033 (Style2)
M1.6	0.35	3.2	3.48	1.3	-	ISO 4032 (Style1) / ISO 4033 (Style2)
M2	0.4	4.0	4.32	1.6	-	ISO 4032 (Style1) / ISO 4033 (Style2)
M2.5	0.45	5.0	5.45	2.0	-	ISO 4032 (Style1) / ISO 4033 (Style2)
M3	0.5	5.5	6.01	2.4	-	ISO 4032 (Style1) / ISO 4033 (Style2)
M3.5	0.6	6.0	6.58	2.8	-	ISO 4032 (Style1) / ISO 4033 (Style2)
M4	0.7	7.0	7.66	3.2	-	ISO 4032 (Style1) / ISO 4033 (Style2)
M5	0.8	8.0	8.79	4.0	5.0	ISO 4032 (Style1) / ISO 4033 (Style2)
M6	1.0	10.0	11.05	5.0	6.0	ISO 4032 (Style1) / ISO 4033 (Style2)
M8	1.25	13.0	14.38	6.5	8.0	ISO 4032 (Style1) / ISO 4033 (Style2)
M10	1.5	16.0	17.77	8.0	10.0	ISO 4032 (Style1) / ISO 4033 (Style2)
M12	1.75	18.0	20.03	10.0	12.0	ISO 4032 (Style1) / ISO 4033 (Style2)
M14	2.0	21.0	23.36	11.0	14.0	ISO 4032 (Style1) / ISO 4033 (Style2)
M16	2.0	24.0	26.75	13.0	16.0	ISO 4032 (Style1) / ISO 4033 (Style2)

Size	Pitch (mm)	Width across flats s (mm)	Width across corners e min (mm)	Nut height m style 1 (mm)	Nut height m style 2 (mm)	Reference standard
M18	2.5	27.0	29.56	15.0	18.0	ISO 4032 (Style1) / ISO 4033 (Style2)
M20	2.5	30.0	32.95	16.0	20.0	ISO 4032 (Style1) / ISO 4033 (Style2)
M22	2.5	32.0	35.03	18.0	22.0	ISO 4032 (Style1) / ISO 4033 (Style2)
M24	3.0	36.0	39.55	19.0	24.0	ISO 4032 (Style1) / ISO 4033 (Style2)
M27	3.0	41.0	45.2	22.0	27.0	ISO 4032 (Style1) / ISO 4033 (Style2)
M30	3.5	46.0	50.85	24.0	30.0	ISO 4032 (Style1) / ISO 4033 (Style2)
M33	3.5	50.0	55.37	26.0	33.0	ISO 4032 (Style1) / ISO 4033 (Style2)
M36	4.0	55.0	60.79	29.0	36.0	ISO 4032 (Style1) / ISO 4033 (Style2)
M39	4.0	60.0	66.44	31.0	39.0	ISO 4032 (Style1) / ISO 4033 (Style2)
M42	4.5	65.0	71.3	34.0	42.0	ISO 4032 (Style1) / ISO 4033 (Style2)
M45	4.5	70.0	76.95	36.0	45.0	ISO 4032 (Style1) / ISO 4033 (Style2)
M48	5.0	75.0	82.6	38.0	48.0	ISO 4032 (Style1) / ISO 4033 (Style2)
M52	5.0	80.0	88.25	42.0	52.0	ISO 4032 (Style1) / ISO 4033 (Style2)
M56	5.5	85.0	93.56	45.0	56.0	ISO 4032 (Style1) / ISO 4033 (Style2)
M60	5.5	90.0	99.21	48.0	60.0	ISO 4032 (Style1) / ISO 4033 (Style2)
M64	6.0	95.0	104.86	51.0	64.0	ISO 4032 (Style1) / ISO 4033 (Style2)

Manufactured to ISO 4032 / ISO 4033, Hex Nuts are nuts supplied by engineeringhardware.com. The dimensional data, materials and selection notes are summarized here.

What Are Hex Nuts?

Hex Nuts are nuts defined by ISO 4032 / ISO 4033. 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 Nuts →](#)

Related Fasteners

- [Hex Nuts, Grade C — ISO 4034](#)
- [Thin Hex Nut — GB/T 901 / DIN 939 \(Series 094\) — GB/T 901 / DIN 939](#)
- [Wing Nut — GB/T 62 / DIN 315 \(Series 077\) — GB/T 62 / DIN 315](#)
- [Square Nut — GB/T 39 / ISO 4034 \(Series 075\) — GB/T 39 / ISO 4034](#)
- [Slotted Round Nut — GB/T 812 \(Series 069\) — GB/T 812](#)

Pricing

Hex Nuts 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 Nuts, and what drive do they take?

Hex Nuts are manufactured to ISO 4032 / ISO 4033 and use an external hex drive. The dimensional values on this page follow that standard.

What is the size range of Hex Nuts?

The table on this page lists 32 sizes for Hex Nuts, ranging from M1 to M64. Sizes outside the table can be quoted on request.

In which materials are Hex Nuts supplied?

Hex 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 Nuts.

What spanner sizes do Hex Nuts take?

The width-across-flats for the smallest size on this page is 2.5 mm; the full table opposite the drawing lists the spanner size for every Hex 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

[← PreviousWing NutsDIN 315](#)[Next →Thin Hex NutsISO 4035](#)