

Hex Flange Bolts — ISO 1665 / DIN 6921

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Bolts · Hex Flange Bolts

Hex Flange Bolts to ISO 1665 / DIN 6921. 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 Bolts

Tell us the size, material, finish and quantity you need for Hex Flange Bolts (ISO 1665 / DIN 6921) 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 1665 / DIN 6921)

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)	Head height k (mm)	Width across flats s (mm)	Reference standard
M5	0.8	11.8	4.7	8.0	ISO 1665 / DIN 6921
M6	1.0	14.2	5.6	10.0	ISO 1665 / DIN 6921
M8	1.25	17.9	7.2	13.0	ISO 1665 / DIN 6921
M10	1.5	21.8	8.9	15.0	ISO 1665 / DIN 6921
M12	1.75	26.0	10.7	18.0	ISO 1665 / DIN 6921
M14	2.0	29.9	12.3	21.0	ISO 1665 / DIN 6921
M16	2.0	34.5	14.1	24.0	ISO 1665 / DIN 6921
M20	2.5	42.8	17.5	30.0	ISO 1665 / DIN 6921
M24	3.0	51.1	21.0	36.0	ISO 1665 / DIN 6921

Manufactured to ISO 1665 / DIN 6921, Hex Flange Bolts are bolts supplied by engineeringhardware.com. The dimensional data, materials and selection notes are summarized here.

What Are Hex Flange Bolts?

Hex Flange Bolts are bolts defined by ISO 1665 / DIN 6921. 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

Structural steelwork, machinery, automotive and general assembly where high-strength, removable joints are required. [Read the full application guide for Hex Flange Bolts →](#)

Related Fasteners

- [Threaded Rod — GB/T 15389 / DIN 939 \(Series 095\) — GB/T 15389 / DIN 939](#)
- [Hex Head Bolt, Fully Threaded — GB/T 5783 / ISO 4017 \(Series 012\) — GB/T 5783 / ISO 4017](#)
- [Slotted Hex Bolt — GB/T 5782 / ISO 4014 \(Series 005\) — GB/T 5782 / ISO 4014](#)
- [Hex Head Bolt — GB/T 5782 / ISO 4014 \(Series 002\) — GB/T 5782 / ISO 4014](#)
- [Hex Head Bolt — GB/T 5782 / ISO 4014 \(Series 001\) — GB/T 5782 / ISO 4014](#)

Pricing

Hex Flange Bolts are stocked and supplied to order. Pricing starts from approximately US\$0.090 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

Which standard governs Hex Flange Bolts, and how are they driven?

Hex Flange Bolts are manufactured to ISO 1665 / DIN 6921 and use an external hex drive. The dimensional values on this page follow that standard.

Which sizes of Hex Flange Bolts does engineeringhardware.com supply?

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

In which materials are Hex Flange Bolts supplied?

Hex Flange Bolts are supplied in carbon steel in property classes 8.8 / 10.9 / 12.9 and stainless A2 (304) / A4 (316), 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 Bolts.

What spanner sizes do Hex Flange Bolts 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 Bolts.

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 Bolts

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