

Hex Bolts, Grade C — ISO 4016

Engineering Hardware · engineeringhardware.com/fastener/hex-bolts-grade-c

[Fasteners/ Bolts/](#) Hex Bolts, Grade C

Bolts · Hex Bolts

Hex Bolts, Grade C to ISO 4016. Full dimensional table, materials, finishes and quotation. 16 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 Bolts, Grade C

Tell us the size, material, finish and quantity you need for Hex Bolts, Grade C (ISO 4016) 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 4016)

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)	Head height k (mm)	Product grade	Reference standard
M5	0.8	8.0	8.63	3.35	Grade C	ISO 4016 / DIN 601
M6	1.0	10.0	10.89	4.15	Grade C	ISO 4016 / DIN 601
M8	1.25	13.0	14.2	5.45	Grade C	ISO 4016 / DIN 601
M10	1.5	17.0	18.72	6.58	Grade C	ISO 4016 / DIN 601
M12	1.75	19.0	20.88	7.68	Grade C	ISO 4016 / DIN 601
M14	2.0	22.0	24.49	9.25	Grade C	ISO 4016 / DIN 601
M16	2.0	24.0	26.75	10.18	Grade C	ISO 4016 / DIN 601
M18	2.5	27.0	29.56	11.72	Grade C	ISO 4016 / DIN 601
M20	2.5	30.0	33.53	12.72	Grade C	ISO 4016 / DIN 601
M22	2.5	32.0	35.72	14.5	Grade C	ISO 4016 / DIN 601
M24	3.0	36.0	39.55	15.35	Grade C	ISO 4016 / DIN 601
M27	3.0	41.0	45.2	17.92	Grade C	ISO 4016 / DIN 601
M30	3.5	46.0	50.85	19.75	Grade C	ISO 4016 / DIN 601
M36	4.0	55.0	60.79	23.35	Grade C	ISO 4016 / DIN 601
M42	4.5	65.0	71.3	27.05	Grade C	ISO 4016 / DIN 601
M48	5.0	75.0	82.6	31.07	Grade C	ISO 4016 / DIN 601

Hex Bolts, Grade C conform to ISO 4016. As bolts, they are specified by the dimensions in the table below; this page also covers materials, finishes and typical uses.

What Are Hex Bolts, Grade C?

Hex Bolts, Grade C are bolts defined by ISO 4016. 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 Bolts, Grade C →](#)

Related Fasteners

- [Hex Bolts — ISO 4014 / ISO 4017](#)
- [Hex Bolt, Fully Threaded — GB/T 5783 / ISO 4017 \(Series 011\) — GB/T 5783 / ISO 4017](#)
- [Eye Bolts — DIN 580](#)
- [Shoulder Bolts — ISO 7379](#)
- [Stud / Threaded Rod — ISO / DIN \(Series 154\) — ISO / DIN](#)

Pricing

Hex Bolts, Grade C are stocked and supplied to order. Pricing starts from approximately US\$0.060 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 standard and drive type do Hex Bolts, Grade C use?

Hex Bolts, Grade C are manufactured to ISO 4016 and use an external hex drive. The dimensional values on this page follow that standard.

What sizes are available for Hex Bolts, Grade C?

The table on this page lists 16 sizes for Hex Bolts, Grade C, ranging from M5 to M48. Sizes outside the table can be quoted on request.

In which materials are Hex Bolts, Grade C supplied?

Hex Bolts, Grade C 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 Bolts, Grade C.

What spanner sizes do Hex Bolts, Grade C 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 Bolts, Grade C.

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

[← Previous Studs & Threaded Rods DIN 939 / DIN 975](#) [Next → Lag Screws \(Hex Wood Screws\) DIN 571](#)