

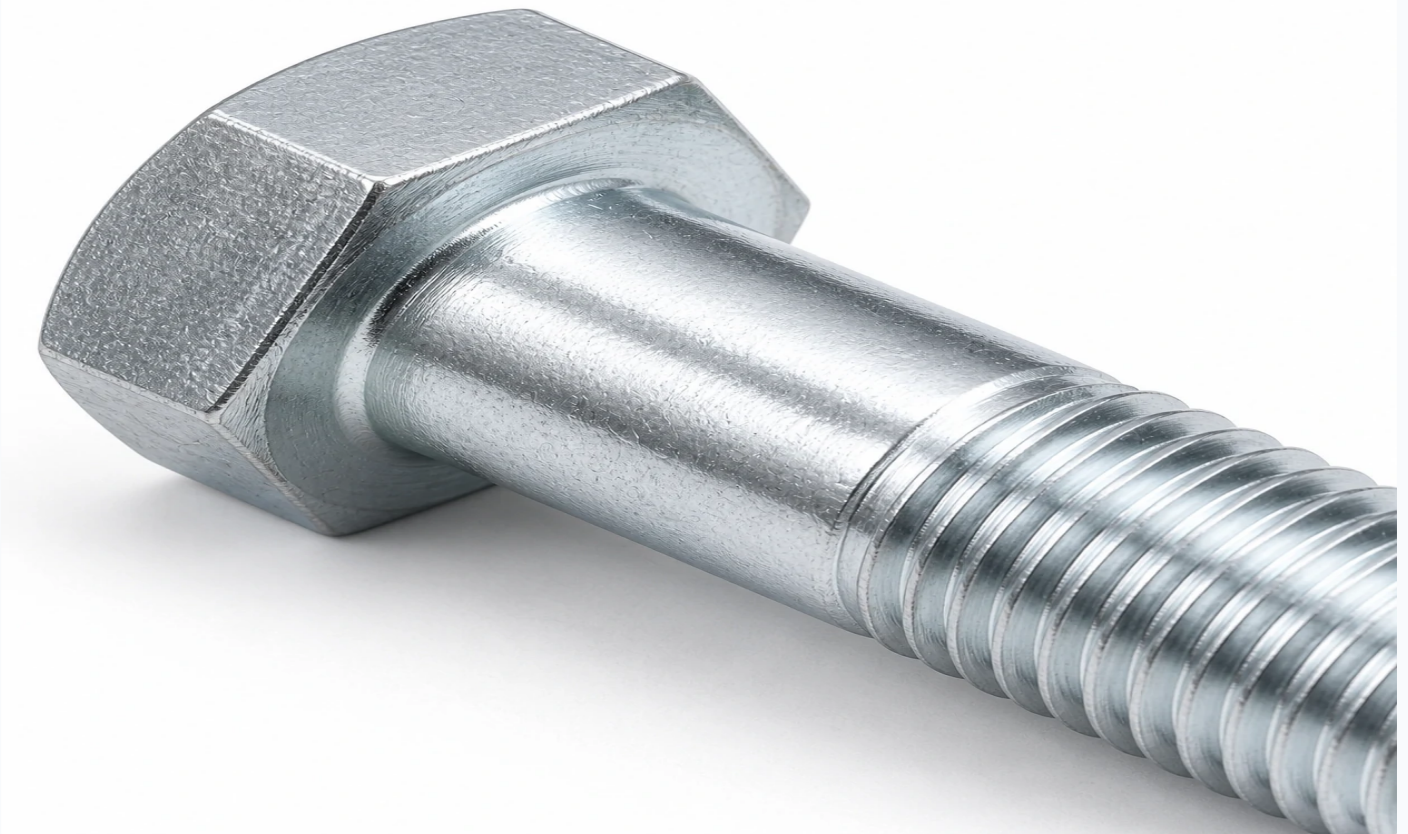
# Hex Bolts — ISO 4014 / ISO 4017

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[Fasteners/ Bolts/ Hex Bolts](#)

[Bolts · Hex Bolts](#)

Hex Bolts to ISO 4014 / ISO 4017. Full dimensional table, materials, finishes and quotation. 31 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

Tell us the size, material, finish and quantity you need for Hex Bolts (ISO 4014 / ISO 4017) 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 4014 / ISO 4017)

Every row below is a starting point for the customizer above — pick any size and the drawing will redraw to that row.

| Size | Pitch<br>coarse<br>(mm) | Width across<br>flats s (mm) | Width across<br>corners e min<br>(mm) | Head height<br>k nom (mm) | Nominal<br>diameter d<br>(mm) | Reference<br>standard | Notes                    |
|------|-------------------------|------------------------------|---------------------------------------|---------------------------|-------------------------------|-----------------------|--------------------------|
| M1   | 0.25                    | 2.5                          | 2.71                                  | 0.7                       | 1.0                           | ISO 4017              | Fully threaded           |
| M1.2 | 0.25                    | 3.0                          | 3.28                                  | 0.8                       | 1.2                           | ISO 4017              | Fully threaded           |
| M1.4 | 0.3                     | 3.0                          | 3.28                                  | 0.9                       | 1.4                           | ISO 4017              | Fully threaded           |
| M1.6 | 0.35                    | 3.2                          | 3.48                                  | 1.1                       | 1.6                           | ISO 4014/4017         | Fully threaded           |
| M2   | 0.4                     | 4.0                          | 4.32                                  | 1.4                       | 2.0                           | ISO 4014/4017         | Fully threaded           |
| M2.5 | 0.45                    | 5.0                          | 5.45                                  | 1.7                       | 2.5                           | ISO 4014/4017         | Fully threaded           |
| M3   | 0.5                     | 5.5                          | 6.01                                  | 2.0                       | 3.0                           | ISO 4014/4017         | Fully threaded           |
| M4   | 0.7                     | 7.0                          | 7.66                                  | 2.8                       | 4.0                           | ISO 4014/4017         | Fully threaded           |
| M5   | 0.8                     | 8.0                          | 8.79                                  | 3.5                       | 5.0                           | ISO 4014/4017         | Fully threaded           |
| M6   | 1.0                     | 10.0                         | 11.05                                 | 4.0                       | 6.0                           | ISO 4014/4017         | Fully threaded           |
| M8   | 1.25                    | 13.0                         | 14.38                                 | 5.3                       | 8.0                           | ISO 4014/4017         | Fully threaded           |
| M10  | 1.5                     | 16.0                         | 17.77                                 | 6.4                       | 10.0                          | ISO 4014/4017         | Fully threaded           |
| M12  | 1.75                    | 18.0                         | 20.03                                 | 7.5                       | 12.0                          | ISO 4014/4017         | Partial / fully threaded |
| M14  | 2.0                     | 21.0                         | 23.36                                 | 8.8                       | 14.0                          | ISO 4014/4017         | Partial / fully threaded |
| M16  | 2.0                     | 24.0                         | 26.75                                 | 10.0                      | 16.0                          | ISO 4014/4017         | Partial / fully threaded |

| Size | Pitch coarse (mm) | Width across flats s (mm) | Width across corners e min (mm) | Head height k nom (mm) | Nominal diameter d (mm) | Reference standard | Notes                    |
|------|-------------------|---------------------------|---------------------------------|------------------------|-------------------------|--------------------|--------------------------|
| M18  | 2.5               | 27.0                      | 30.14                           | 11.5                   | 18.0                    | ISO 4014/4017      | Partial / fully threaded |
| M20  | 2.5               | 30.0                      | 33.53                           | 12.5                   | 20.0                    | ISO 4014/4017      | Partial / fully threaded |
| M22  | 2.5               | 32.0                      | 35.72                           | 14.0                   | 22.0                    | ISO 4014/4017      | Partial / fully threaded |
| M24  | 3.0               | 36.0                      | 39.98                           | 15.0                   | 24.0                    | ISO 4014/4017      | Partial / fully threaded |
| M27  | 3.0               | 41.0                      | 45.2                            | 17.0                   | 27.0                    | ISO 4014/4017      | Partial / fully threaded |
| M30  | 3.5               | 46.0                      | 50.85                           | 18.7                   | 30.0                    | ISO 4014/4017      | Partial / fully threaded |
| M33  | 3.5               | 50.0                      | 55.37                           | 21.0                   | 33.0                    | ISO 4014/4017      | Partial / fully threaded |
| M36  | 4.0               | 55.0                      | 60.79                           | 22.5                   | 36.0                    | ISO 4014/4017      | Partial / fully threaded |
| M39  | 4.0               | 60.0                      | 66.44                           | 25.0                   | 39.0                    | ISO 4014/4017      | Partial / fully threaded |
| M42  | 4.5               | 65.0                      | 71.3                            | 26.0                   | 42.0                    | ISO 4014/4017      | Partial / fully threaded |
| M45  | 4.5               | 70.0                      | 76.95                           | 28.0                   | 45.0                    | ISO 4014/4017      | Partial / fully threaded |
| M48  | 5.0               | 75.0                      | 82.6                            | 30.0                   | 48.0                    | ISO 4014/4017      | Partial / fully threaded |
| M52  | 5.0               | 80.0                      | 88.25                           | 33.0                   | 52.0                    | ISO 4014/4017      | Partial / fully threaded |
| M56  | 5.5               | 85.0                      | 93.56                           | 35.0                   | 56.0                    | ISO 4014           | Partial / fully threaded |
| M60  | 5.5               | 90.0                      | 99.21                           | 38.0                   | 60.0                    | ISO 4014           | Partial / fully threaded |

| Size | Pitch<br>coarse<br>(mm) | Width across<br>flats s (mm) | Width across<br>corners e min<br>(mm) | Head height<br>k nom (mm) | Nominal<br>diameter d<br>(mm) | Reference<br>standard | Notes                       |
|------|-------------------------|------------------------------|---------------------------------------|---------------------------|-------------------------------|-----------------------|-----------------------------|
| M64  | 6.0                     | 95.0                         | 104.86                                | 40.0                      | 64.0                          | ISO 4014              | Partial / fully<br>threaded |

Manufactured to ISO 4014 / ISO 4017, Hex Bolts are bolts supplied by [engineeringhardware.com](https://engineeringhardware.com). The dimensional data, materials and selection notes are summarized here.

## What Are Hex Bolts?

Hex Bolts are bolts defined by ISO 4014 / ISO 4017. 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 →](#)

## Related Fasteners

- [Hex Bolts, Grade C — ISO 4016](#)
- [Stud / Threaded Rod — ISO / DIN \(Series 154\) — ISO / DIN](#)
- [Threaded Rod — ISO / DIN \(Series 153\) — ISO / DIN](#)
- [Equal-End Stud Bolt — GB/T 901 / DIN 939 \(Series 093\) — GB/T 901 / DIN 939](#)
- [Stud Bolt, Double-End — GB/T 15389 / DIN 938 \(Series 092\) — GB/T 15389 / DIN 938](#)

## Pricing

Hex Bolts are stocked and supplied to order. Pricing starts from approximately US\$0.080 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 Bolts, and what drive do they take?

Hex Bolts are manufactured to ISO 4014 / ISO 4017 and use an external hex drive. The dimensional values on this page follow that standard.

What is the size range of Hex Bolts?

The table on this page lists 31 sizes for Hex Bolts, ranging from M1 to M64. Sizes outside the table can be quoted on request.

In which materials are Hex Bolts supplied?

Hex 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 Bolts.

What spanner sizes do Hex Bolts 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 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

[← PreviousHex Bolt — GB/T 5783 / ISO 4017 \(Series 010\)GB/T 5783 / ISO 4017](#)[Next →Shoulder BoltsISO 7379](#)