

Carriage Bolts — DIN 603

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Carriage Bolts to DIN 603. Full dimensional table, materials, finishes and quotation. 8 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 Carriage Bolts

Tell us the size, material, finish and quantity you need for Carriage Bolts (DIN 603) 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 (DIN 603)

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)	Head diameter dk (mm)	Head height k (mm)	Square neck width (mm)	Square neck depth (mm)	Common length range (mm)	Reference standard
M5	0.8	13.0	3.0	5.0	2.5	16~80	DIN 603 / ISO 8677
M6	1.0	16.0	3.5	6.0	3.0	16~120	DIN 603 / ISO 8677
M8	1.25	20.0	4.5	8.0	4.0	20~160	DIN 603 / ISO 8677
M10	1.5	25.0	5.5	10.0	5.0	25~200	DIN 603 / ISO 8677
M12	1.75	30.0	7.0	12.0	6.0	30~240	DIN 603 / ISO 8677
M14	2.0	35.0	8.0	14.0	7.0	40~260	DIN 603 / ISO 8677
M16	2.0	40.0	9.0	16.0	8.0	40~300	DIN 603 / ISO 8677
M20	2.5	50.0	11.0	20.0	10.0	50~300	DIN 603 / ISO 8677

Manufactured to DIN 603, Carriage Bolts are bolts supplied by engineeringhardware.com. The dimensional data, materials and selection notes are summarized here.

What Are Carriage Bolts?

Carriage Bolts are bolts defined by DIN 603. 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 Carriage Bolts →](#)

Related Fasteners

- [Threaded Rod — ISO / DIN \(Series 153\) — ISO / DIN](#)
- [Stud — GB/T 15389 / DIN 939 \(Series 096\) — GB/T 15389 / DIN 939](#)
- [Threaded Rod — GB/T 15389 / DIN 939 \(Series 095\) — GB/T 15389 / DIN 939](#)
- [Stud Bolt, Double-End — GB/T 15389 / DIN 938 \(Series 092\) — GB/T 15389 / DIN 938](#)
- [Clamping Handle Screw \(Medium\) — DIN 6336 / GN 313 \(Series 043\) — DIN 6336 / GN 313](#)

Pricing

Carriage Bolts 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 Carriage Bolts use?

Carriage Bolts are manufactured to DIN 603 and use the standard drive for this product family. The dimensional values on this page follow that standard.

Which sizes of Carriage Bolts does engineeringhardware.com supply?

The table on this page lists 8 sizes for Carriage Bolts, ranging from M5 to M20. Sizes outside the table can be quoted on request.

In which materials are Carriage Bolts supplied?

Carriage 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 Carriage 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.

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