

CARRIAGE BOLT

Technical Data Sheet

◆ Short Description (Beside Product Image)

High-strength Carriage Bolt featuring a smooth domed head with square neck designed to prevent rotation during tightening. Ideal for wood-to-wood, wood-to-metal, and structural fastening applications.

◆ Product Overview

Carriage Bolts are externally threaded fasteners with a rounded dome head and a square neck beneath the head. The square section locks into the material to prevent bolt rotation when tightening the nut.

Canco Fasteners manufactures Carriage Bolts in accordance with international standards or custom drawings, supporting OEM supply, distributor networks, and bulk export shipments.

◆ Quick Specifications

Material Options

- Carbon Steel
- Stainless Steel (AISI 304)
- Stainless Steel (AISI 316)
- Alloy Steel (on request)

Surface Finish Options

- Zinc Plated (Electro-Galvanised)
- Hot-Dip Galvanised
- Plain / Self Colour
- Black Oxide
- Custom coating upon request

Size Range

Available in metric and inch series. Standard diameters typically range from M6 to M20 (or 1/4" to 3/4"). Custom lengths available as per drawing.

Standards

- DIN 603

- ISO 8677 (where applicable)
- ASTM A307 (carbon steel, where applicable)
- Or manufactured to customer specification

Customisation Availability

- Custom dimensions and thread pitch
- Special head markings
- Material grade modifications
- Special surface treatments
- Private-label packaging

Technical Specification Sheet

Product Description

Externally threaded fastener with domed head and square neck, designed to provide secure fastening while preventing bolt rotation during installation.

Manufacturing Process

- Cold heading (bolt forming)
- Thread rolling
- Heat treatment (for specified grades)
- Surface finishing as per specification

Material Grades

- Mild / Carbon Steel
- Stainless Steel 304
- Stainless Steel 316
- Alloy Steel (as specified)

Surface Finishes

- Zinc plated
- Hot-dip galvanised
- Black oxide
- Plain finish

- Custom finish upon request

Dimensional Control

Manufactured to specified dimensional tolerances in accordance with applicable standards or approved customer drawings.

Testing & Inspection

- Dimensional inspection
- Thread gauge verification
- Mechanical property testing (if applicable)
- Material certification (EN 10204 3.1 available upon request)

Typical Applications

- Wood construction
- Furniture manufacturing
- Fencing systems
- Structural timber joints
- General fastening applications

Installation Note

Square neck must be properly seated into the material before tightening. Use appropriate washer and nut combination. Torque values depend on grade and diameter.


Export & Packaging


Available in:

- Loose cartons
- Gunny bags (bulk supply)
- Palletised loads
- Private-label cartons
- Containerised export quantities

Canco Fasteners manufactures Carriage Bolts strictly to approved standards or customer drawings. Products are available for OEM programmes, distributor supply, and bulk export shipments.

Discuss bulk supply or OEM programmes

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