

Hex Bolt

◆ Short Description (Beside Product Image)

Precision-engineered hex bolts designed for secure fastening in construction, industrial, automotive, infrastructure, and general engineering applications. Manufactured in carbon steel, alloy steel, and stainless steel with a variety of corrosion-resistant finishes. Available in multiple grades and sizes to meet international standards and custom specifications.

◆ Product Overview

Hex bolts are externally threaded fasteners with a six-sided head, designed for use with nuts or tapped holes. They provide strong and reliable clamping force for structural and mechanical assemblies.

Canco Fasteners manufactures hex bolts in accordance with applicable international standards or customer drawings, supporting OEM programmes, distributor supply, and bulk export requirements.

◆ Quick Specifications

Material Options

- Carbon Steel
- Alloy Steel
- Stainless Steel (AISI 304)
- Stainless Steel (AISI 316)
- Other grades subject to customer specification

Property Classes (Carbon / Alloy Steel)

- 4.6
- 5.6
- 8.8
- 10.9
- 12.9 (where applicable)

Surface Finish Options

- Electro-Galvanised (Zinc Plated)
- Hot-Dip Galvanised

- Black Oxide
- Plain / Self-colour
- Passivated (for stainless steel)
- Special coatings subject to specification

Size Range

Available in metric and inch series.

Typical range: M5 to M64 (or equivalent inch sizes).

Custom lengths and thread configurations available subject to drawing approval.

Standards

- DIN 933 (Fully Threaded)
- DIN 931 (Partially Threaded)
- ISO 4014 / ISO 4017
- ASTM A307 / A325 (where applicable)
- Or manufactured to customer specification
- Compliance documentation available upon request

Customisation Availability

- Custom dimensions and lengths
- Special material grades
- Special coatings
- Marking / head stamping
- Private-label packaging
- Bulk export configurations

Technical Specification Sheet

Hex Bolt – Technical Data

Product Description

Externally threaded fastener with a hexagonal head designed for high-strength clamping applications. Suitable for structural, mechanical, and general fastening purposes.

Manufacturing Process

- Cold forging / Hot forging (depending on size and grade)

- Thread rolling
- Heat treatment (for high tensile grades)
- Surface finishing and coating under controlled processes

Material Grades

- Carbon Steel
- Alloy Steel
- Stainless Steel 304
- Stainless Steel 316
- Other materials as specified

Mechanical Properties

Manufactured to specified property classes in accordance with applicable standards. Mechanical testing conducted as per standard requirements.

Dimensional Control

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

Testing & Inspection

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

Typical Applications

- Structural steel assemblies
- Machinery and equipment manufacturing
- Automotive applications
- Infrastructure projects
- General engineering fastening

Installation Note

Proper torque application and correct grade selection are essential for achieving intended load performance. Torque values depend on bolt size, grade, lubrication, and joint design.


Export & Packaging


Available in:

- Loose cartons
- Palletised loads
- Private-label cartons
- Bulk export quantities

Canco Fasteners manufactures hex bolts strictly to approved standards or customer drawings. Products are available for OEM programmes, distributor supply, and containerised export shipments.

Discuss bulk supply or OEM programmes

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