

Hex Nut

◆ Short Description (Beside Product Image)

Precision-machined hex nuts designed for secure fastening with bolts, screws, and threaded rods across construction, industrial, automotive, and general engineering applications. Manufactured in carbon steel, alloy steel, and stainless steel with various corrosion-resistant finishes. Available in multiple grades and sizes to meet international standards and custom requirements.

◆ Product Overview

Hex nuts are internally threaded fasteners with a six-sided exterior profile, designed to mate with externally threaded bolts and studs. They provide strong and reliable clamping force when properly torqued.

Canco Fasteners manufactures hex nuts 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)

- Grade 4
- Grade 5
- Grade 8
- Class 8
- Class 10
- Class 12

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 M72 (or equivalent inch sizes).

Coarse and fine threads available subject to specification.

Standards

- DIN 934
- ISO 4032 / ISO 4033
- ASTM A563 (where applicable)
- BS 3692
- Or manufactured to customer specification
- Compliance documentation available upon request

Customisation Availability

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

Technical Specification Sheet

Hex Nut – Technical Data

Product Description

Internally threaded hexagonal fastener designed to be used with bolts and threaded rods for mechanical and structural fastening applications.

Manufacturing Process

- Cold forging / Hot forging (depending on size and grade)
- Tapping (internal threading)
- 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 international standards. Mechanical testing conducted as required by grade.

Dimensional Control

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

Testing & Inspection

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

Typical Applications

- Structural steel connections

- Machinery assembly
- Automotive applications
- Infrastructure projects
- General industrial fastening

Installation Note

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


Export & Packaging


Available in:

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

Canco Fasteners manufactures hex nuts 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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