

# LONG NUT

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## ◆ Short Description (Beside Product Image)

Hexagonal long nut designed for joining threaded rods, studs, or bolts where extended thread engagement is required. Manufactured from carbon steel or stainless steel with corrosion-resistant finishes, suitable for construction, industrial assembly, machinery installation, and structural fastening applications.

## ◆ Product Overview

Long nuts, also known as coupling nuts, are internally threaded fasteners used to connect two externally threaded components such as threaded rods or bolts. The extended body length provides greater thread engagement and improved alignment compared with standard hex nuts.

Canco Fasteners manufactures long nuts using controlled machining or cold forming processes to ensure accurate internal threading, consistent hex geometry, and reliable fastening performance. Products are available for OEM programmes, distributor supply, and export shipments.

## ◆ Quick Specifications

### Material Options

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

### Surface Finish Options

- Electro-Galvanised (Zinc Plated)
- Hot-Dip Galvanised
- Plain / Self-colour
- Passivated (for stainless steel)
- Custom coatings available on request

### Size Range

Available in metric and imperial threads. Typical sizes range from M6 to M36 or equivalent depending on application requirements.

Custom lengths and thread sizes available subject to drawing approval.

## Standards

- DIN 6334 (Coupling Nuts)
- ISO metric thread standards
- Manufactured to customer drawings where required

## Customisation Availability

- Custom lengths
- Special material grades
- Custom thread specifications
- Special surface treatments
- Private-label packaging
- Bulk export configurations

## Technical Specification Sheet

### Long Nut – Technical Data

#### Product Description

Internally threaded hexagonal coupling nut used to join threaded rods or bolts to extend fastening length or create structural connections.

#### Components

- Hexagonal body
- Internal threaded bore

#### Manufacturing Process

- Cold forming or hex bar machining
- Internal thread tapping
- Surface finishing and coating
- Dimensional inspection and quality control

#### Material Grades

- Mild / Carbon Steel
- Stainless Steel 304
- Stainless Steel 316
- Other materials as specified

#### Surface Finishes

- Zinc plated

- Hot-dip galvanised
- Passivated stainless steel
- Custom finish upon request

#### Dimensional Control

Manufactured to specified dimensional tolerances in accordance with DIN 6334 or approved customer drawings.

#### Testing & Inspection

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

#### Typical Applications

- Joining threaded rods
- Structural fastening assemblies
- Construction and building systems
- Industrial machinery installation
- Electrical and mechanical supports

#### Installation Note

Ensure threads of mating components are clean and compatible. Tighten using appropriate tools while maintaining alignment of connected threaded rods or bolts.

#### Export & Packaging

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

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