

# SHOULDER BOLT

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## Short Description

Precision shoulder bolts designed for applications requiring accurate alignment, pivoting, or sliding movement. Manufactured from high-strength alloy or stainless steel with controlled shoulder dimensions to ensure reliable performance in mechanical assemblies, tooling, automation equipment, and industrial machinery.

## Product Overview

Shoulder bolts (also known as stripper bolts) feature a precision-ground shoulder between the head and threaded portion. The shoulder acts as a bearing surface that allows rotation or accurate spacing in assemblies. These bolts are widely used in dies, molds, machinery linkages, guide mechanisms, and automation systems.

Canco Fasteners manufactures shoulder bolts according to international standards or customer drawings. Products are available for OEM programs, distributor supply, and bulk export requirements.

## Quick Specifications

### Material Options

- Alloy Steel
- Carbon Steel
- Stainless Steel (AISI 304)
- Stainless Steel (AISI 316)
- Other grades available upon request

### Surface Finish Options

- Black Oxide
- Zinc Plated
- Hot-Dip Galvanised
- Plain / Self Colour
- Passivated (for stainless steel)

- Special coatings available upon specification

#### Size Range

Available in multiple shoulder diameters and lengths to suit mechanical and industrial applications. Custom dimensions and thread specifications available subject to drawing approval.

#### Standards

- ISO 7379 (where applicable)
- DIN 7379 (where applicable)
- Or manufactured to customer drawings and specifications

#### Customisation Availability

- Custom shoulder diameter and length
- Thread type modifications
- Special materials or heat treatment
- Surface coatings
- Private-label packaging

## Technical Specification Sheet

### Product Description

Precision fastener with a cylindrical shoulder designed to provide a smooth bearing surface for rotating or sliding components while the threaded portion secures the assembly.

### Key Features

- Precision ground shoulder for accurate fit
- High strength threaded section
- Socket head design for easy installation
- Suitable for pivoting, guiding, and spacing applications

### Manufacturing Process

- Cold or hot forging (head formation)

- Precision machining of shoulder diameter
- Thread rolling for improved strength
- Heat treatment (where applicable)
- Surface finishing and inspection

### **Material Grades**

- Alloy Steel (high strength applications)
- Carbon Steel
- Stainless Steel 304
- Stainless Steel 316
- Other materials available upon request

### **Surface Finishes**

- Black oxide
- Zinc plated
- Passivated stainless steel
- Custom coatings as specified

### **Dimensional Control**

Manufactured with precision control of shoulder diameter, shoulder length, and thread dimensions in accordance with applicable standards 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**

- Tooling and die assemblies
- Automation and robotics mechanisms
- Machinery pivot points
- Guide rollers and sliding components

- Precision mechanical assemblies

### **Export & Packaging**

Available in:

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

Canco Fasteners manufactures shoulder 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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