

# ALLEN BOLT (HEX SOCKET HEAD CAP SCREW)

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## ◆ Short Description (Beside Product Image)

Precision-engineered Allen bolts (hex socket head cap screws) designed for high-strength fastening applications. Featuring an internal hex drive, these bolts provide secure tightening with a clean finish, widely used in machinery, automotive, and industrial assemblies.

## ◆ Product Overview

Allen bolts are high-tensile fasteners with a cylindrical head and internal hex socket, allowing tightening using an Allen key. They are ideal for applications requiring high torque, compact installation, and a neat appearance.

Canco Fasteners manufactures Allen bolts as per international standards or custom drawings, supporting OEM supply, industrial distribution, and export requirements.

## ◆ Quick Specifications

- Material Options
  - Alloy Steel
  - Carbon Steel
  - Stainless Steel (AISI 304 / 316)
- Surface Finish Options
  - Black Oxide
  - Zinc Plated
  - Hot-Dip Galvanised
  - Plain / Self Finish
- Size Range
  - Available in metric sizes (M3 to M64) and inch sizes. Various lengths available as per standards or custom requirements.
- Standards
  - ISO 4762
  - DIN 912

- ASTM / ASME standards
- Customisation Availability
  - Custom dimensions & threading
  - Material grade changes
  - Special coatings
  - Private labeling & packaging

## **Technical Specification Sheet**

### **Product Description**

High-strength threaded fastener with cylindrical head and internal hex drive, designed for precision tightening using an Allen key.

### **Head Type**

- Socket Head (Hex Allen)

### **Drive Type**

- Internal Hex (Allen Key)

### **Manufacturing Process**

- Cold forging / hot forging
- Thread rolling
- Heat treatment (for high tensile grades)
- Surface finishing

### **Material Grades**

- Grade 8.8 / 10.9 / 12.9 (Alloy Steel)
- Stainless Steel 304 / 316

### **Surface Finishes**

- Black oxide
- Zinc plated
- Hot-dip galvanised

### **Dimensional Control**

Manufactured to strict dimensional tolerances as per international standards or approved drawings.

### **Testing & Inspection**

- Dimensional inspection
- Thread gauge testing

- Hardness testing
- Surface inspection

### Typical Applications

- Machinery assembly
- Automotive components
- Industrial equipment
- Construction and fabrication


### Installation Note


Use appropriate Allen key size and apply recommended torque for secure fastening without damaging the socket.

### Export & Packaging

- Box packing
- Bulk cartons
- Palletized shipments
- Custom export packaging

Canco Fasteners manufactures Allen bolts strictly as per approved standards or customer drawings. Available for OEM supply, distributors, and bulk export orders.

 +91-9717005153

 [Vasu@cancofasteners.com](mailto:Vasu@cancofasteners.com)