

4-Leaf Projection Anchor

◆ Short Description

Heavy-duty 4-Leaf Projection Anchor designed for secure anchoring in concrete, brick, and solid masonry applications. The four-segment expansion mechanism provides uniform radial expansion, ensuring high load-bearing performance and strong mechanical grip.

◆ Product Overview

The 4-Leaf Projection Anchor consists of a threaded projection bolt, four-leaf expansion sleeve, expansion cone, hex nut, and washer assembly. When tightened, the internal cone pulls upward into the sleeve, causing the four segments to expand evenly against the base material for secure fixation.

Manufactured to strict quality standards, suitable for structural fastening, industrial installations, machinery anchoring, and heavy-duty construction use.

◆ Quick Specifications

Material Options

- Carbon Steel
- High Tensile Steel
- Stainless Steel (AISI 304 / AISI 316)
- Other grades upon request

Surface Finish Options

- Zinc Plated (Yellow / White)
- Hot-Dip Galvanised
- Mechanical Galvanised
- Plain / Self Colour
- Special coatings as per requirement

Size Range

Available in various diameters and lengths.

Typical sizes: M6, M8, M10, M12, M16, M20.

Custom dimensions available subject to drawing approval.

Standards

Manufactured as per industry standards or customer-approved drawings.

Compliance and material certification available upon request.

Customisation Availability

- Custom dimensions
- Special thread lengths
- Modified projection lengths
- Special coatings
- Private-label packaging
- Bulk export supply

Technical Specification Sheet

Product Description

Mechanical four-segment expansion anchor designed for secure anchoring in solid base materials such as concrete and masonry.

Components

- Threaded Projection Bolt
- 4-Leaf Expansion Sleeve
- Expansion Cone
- Hex Nut
- Flat Washer

Manufacturing Process

- Cold forming / Machining of bolt
- Sleeve forming with precision expansion slots
- Thread rolling
- Controlled surface finishing and coating

Material Grades

- Mild / Carbon Steel
- High Tensile Steel
- Stainless Steel 304

- Stainless Steel 316
- Other materials upon request

Surface Finishes

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

Dimensional Control

Manufactured within specified tolerances as per approved drawings or applicable engineering standards.

Testing & Inspection

- Dimensional inspection
- Thread verification (Go / No-Go gauges)
- Visual surface inspection
- Pull-out testing (if required)
- Material Test Certificate (EN 10204 3.1 upon request)

Typical Applications

- Structural steel installation
- Machinery base anchoring
- Heavy-duty fastening in concrete
- Industrial support systems
- Construction anchoring

Installation Note

Drill hole to recommended diameter and depth. Clean hole thoroughly before insertion. Insert projection anchor and tighten nut to specified torque to achieve full four-leaf expansion. Proper installation ensures optimal load performance.

Export & Packaging


Available in:


- Loose cartons
- Small retail packs

- Palletised loads
- Private-label cartons
- Bulk container shipments

Canco Fasteners manufactures 4-Leaf Projection Anchor strictly to approved standards or customer drawings. Suitable for OEM programs, distributor supply, and export markets.

Discuss bulk supply or OEM programs:

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