

# Cable tray anchor bolts



## AI Overview

Anchor bolts are essential fasteners used to securely mount cable trays to concrete or structural surfaces, ensuring stability and load-bearing capacity.

**Types of Anchor Bolts**

- Wedge Anchors:** These are heavy-duty bolts with an electroplated galvanized finish, ideal for securing cable trays to concrete bases. They expand when tightened, providing strong holding power for heavy cable tray systems.
- Hammer Drive Anchors:** Designed for quick installation, these anchors are driven into pre-drilled holes and are suitable for lighter cable tray loads.
- Expansion Screws:** Used for wire mesh or ladder-type cable trays, these bolts expand within the substrate to provide a secure hold.
- Threaded Rods with Nuts and Washers:** Often used in combination with brackets or slotted channels to suspend cable trays from ceilings or beams.

**Sizing and Load Considerations**

The size and number of anchor bolts depend on the weight of the cable tray and the cables it carries. For example, a 600mm ladder-type cable tray carrying six 3.5Cx300 Sq.mm XLPE armored cables may require four 10mm anchor bolts per support, each with a tensile load capacity of 5 kN, to safely support the total load. Proper calculation ensures that the total tensile capacity of the anchors exceeds the combined weight of the tray and cables.

**Installation Tips**

- Pre-drill holes in concrete or structural surfaces according to the anchor bolt diameter.
- Ensure proper embedment depth to achieve maximum holding strength.
- Use washers and nuts to distribute load evenly and prevent loosening.
- Select corrosion-resistant materials (e.g., galvanized or stainless steel) for outdoor or humid environments.
- Follow manufacturer guidelines for torque and spacing to maintain structural integrity.

**Accessories and Compatibility**

Anchor bolts are often used with cable tray accessories such as Z-brackets, slotted channels, and clamps to create a complete support system. Choosing compatible hardware ensures proper alignment, stability, and ease of maintenance. By selecting the appropriate type, size, and installation...

## Article Content

Anchors and accessories | Seismic anchors | Eaton

Eaton offers a wide variety of seismic and standard anchors and accessories for use with wood, concrete and steel for electrical and mechanical applications.

FISCHER EXPRESS-ANKER 16/10X110 EXA16/10 ZN express anchor

The installation-friendly fixing for non-cracked concrete. The fischer bolt anchor EXA is a particularly installation-friendly steel anchor for anchorings in non-cracked concrete. In the zinc-plated steel

Cable Tray Ceiling Mounting

CABLE TRAY ANCHOR BOLT EXPANSION SCREWS SKU: CT0046 Cable Tray Accessories & Hardware View Details

Cable Tray Bolts & Flange Nuts

Cable Tray Bolts & Flange Nuts Cable tray/roofing bolts complete with serrated flanged nuts. No. 2 pozi drive combo heads for fast installation. M6 (6mm thread

Cable Trays in 625 | Cable Trays Suppliers in 625

List of Cable Trays & suppliers in 625. Get top companies for Cable Trays product and services for the best price in 625.

BZP Cable Tray Bolts and Serrated Flange Nuts

M6x12 BZP Cable Tray Bolts and Serrated Flange Nuts (P) Product Code: N402-306 These tray bolts and serrated flange nuts are specially designed for the

TRAY BOLTS

Tray Bolts A high quality range of M6 bolts, designed specifically for use in attaching accessories to cable tray. Featuring: A Pozi/Slotted combi head and a serrated

Cable Tray Accessories & Hardware – Quest Manufacturing

Visit Quest Technology International for patch cables, fiber optics, connectors, keystones, and complete network infrastructure solutions.

Cable Tray Anchor Bolt Expansion Screws | Quest

Quick Overview Anchor Bolt Expansion Screw for Quest Cable Tray. To complete any configuration of wire mesh cable tray, hardware such as this product maybe

Roofing Bolts & Square Nuts Cable Tray Bolts, Roofing Bolts Zinc ...

Cable Tray Bolts & Flange Nuts (DIN6923) Zinc CROSS fically designed to provide a rapid and secure fixing when erect Product

## PP cable tray fastening accessories

PP mounting accessories are intended for joining cable trays, cable ladders, fastening of cable trays and cable ladders to bearing elements, and attaching

## CABLE TRAY SUPPORTS

Fasteners & Anchor Bolts - 09 (). . Click Image for Gallery Download Related Products (6) Tags: Fasteners, Anchor, Bolts, CABLE, TRAY, SUPPORTS Qty:

### Standard Drop in Anchors Internally Threaded

Standard Drop in Anchors Internally Threaded Expansion Anchor for Hanging Cable Trays and Strut Connecting with Hex Nut and Bolt as Heavy Duty

### CABLE TRAY 3FT THREADED ROD W/ ANCHOR

- For hanging cable tray directly to ceiling • Includes Anchor, Rod and (2) M10 Nuts • 3ft (1m) extension rod • Sturdy design for heavy load weights • Professional

Cable tray bolt buy product online

Buy products in the area of Cable tray bolt online at RECA Your partner for assembly & fastening materials!

### BZP Cable Tray Bolts and Serrated Flange Nuts

These tray bolts and serrated flange nuts are specially designed for the rapid installation of cable tray and give a superior fixing than traditional roofing bolts.

### Electriduct Wire Mesh Cable Tray Accessories

Copper Grounding Bolt - for attaching cable tray ground wire to earth ground  
Coupler/Connector - connects wire mesh section joints  
Drop-in Anchor - used

### Cable trays – AnchorMark Pty Ltd

The anchor construction allows for wide-ranging head shapes for fixing points with sophisticated design. The ideal interaction of screw shank and sleeve allows for a high shear load, thus fewer

### Cable Clips vs Cable Clamps vs Cable Ties

Confused about cable clamps and clips vs cable ties? This complete guide explains the key differences, real-world applications.

### Galvanized Threaded Fasteners

TechLine Mfg. provides a range of threaded fasteners for any application. Choose from zinc-plated, stainless steel, galvanized, and aluminum finishes. Contact us

### Cable Tray Bolts Complete With Nuts

Our cable tray bolts are zinc plated have a cross-slot head and come with serrated flange nuts.

Cable Tray Screw Rod with Cement Wall Anchor Kit, 3"

- For hanging cable tray directly to ceiling • Includes Anchor, Rod and (2) M10 Nuts • 3ft (1m) extension rod • Sturdy design for heavy load weights • Professional

Roofing Bolts & Square Nuts Cable Tray Bolts, Roofing Bolts Zinc ...

Grade 8.8 High Tensile Carbon Steel Commonly used with drop in anchors for suspending cable trays from ceilings or can be cut to a required length and used with chemical resin.

Fasteners

EzyStrut offers fasteners for channel/strut, cable and pipe support components, including channel nuts, hex screws, splice bolts, pan head screws, washers, as well as threaded rod.

Quest Manufacturing CT0046 Cable Tray Anchor Bolt

Quest Manufacturing CT0046 Cable Tray Anchor Bolt Expansion Screws

Zip Tray Bolts | Wir/Rope Suspension

Rapidly replace Roofing Bolts for bolting together electrical cable containment. Zip Tray Bolts have the same large flat mushroom heads.

Cable Tray Bolts with Flange Nuts

Specifically designed to provide a rapid and secure fixing when erecting cable trays. The fixed washer to flange nut prevents it from falling into the socket driver.

Cable Tray Nuts & Bolts

Cable Tray Nuts & Bolts: premium building materials. Explore durable plumbing, electrical, and HVAC for reliable and efficient construction. Build confidently with

## Contact Us

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