

Bolts for fixing the cable tray



AI Overview

Cable tray bolts should be installed using the correct truss-head bolts and serrated flange nuts, ensuring secure, vibration-resistant connections while following safety standards. Selecting the Right Bolts and Nuts For most cable tray systems, M6 truss-head bolts paired with serrated flange nuts are recommended. These provide a vibration-resistant and reliable hold and are available in various lengths such as 12mm, 16mm, or custom sizes depending on tray thickness and connector type. The bolts are typically fully threaded and made of BZP mild steel for durability. Some sets include a fixed washer to prevent the nut from falling during installation.

Installation Procedure

Position the Connector: Insert the straight or angle connector into the inside of the cable tray rail. For wider trays (400mm or more), a joint plate is required to prevent transverse bending; for trays up to 300mm, it is optional.

Insert the Bolt: Pass the M6 truss-head bolt through the connector from the inner side of the tray to avoid damaging cables.

Secure the Nut: Attach the serrated flange nut on the outer side of the tray. The serrations help prevent loosening due to vibration.

Tighten Properly: Use a suitable screwdriver or socket driver to tighten the bolt until the connection is firm but avoid over-tightening, which could deform the tray or strip threads.

Safety Considerations Only trained personnel should perform installation, as improper handling can cause serious injury or damage. Wear protective gloves to prevent cuts from tray edges. Ensure the tray system is designed according to expected load values and environmental conditions, including indoor/outdoor use and temperature ranges from -20°C to 120°C .

Additional Tips For rapid installation, pre-packaged bolt and nut sets are available in boxes of 100, which can speed up repetitive installations. Always check that the bolt length matches the tray and connector thickness to ensure a secure fit without protrusion. When routing cables, ensure bolts do not interfere with cable placement to prevent damage. By followin...

Article Content

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Cable Tray Bolts

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

B-Line series Cable Tray Design Considerations

As an industry leader in cable tray, Eaton offers one of the widest ranges of cable management solutions available in the market today with its B-Line series portfolio. With unmatched quality and service, we

Cable Tray Bolt & Hex Flange Nut | Product categories | Bolt World

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

CABLE TRAY ANCHOR BOLT EXPANSION SCREWS

CABLE TRAY ANCHOR BOLT EXPANSION SCREWS SKU: CT0046 Categories: Cable Tray Accesories & Hardware, Cable Tray Ceiling Mounting, Cable Tray Wall Mounting

Cable Tray Nut, Bolt, & Clamp Assemblies

Cable Tray Square Splice Washer Square Splice Washer, Use With CE 30 and EZ BN 1/4 To Splice Any Two Sections of Wire Mesh Tray, Also Use For Fabricating Bends Turns and Tees Electro Zinc For

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

Cable Tray Specifications and Sizes | PDF | Galvanization

The document specifies requirements for cable trays, including that they be fabricated from galvanized sheet steel in standard lengths and widths. It provides details on perforated and ladder cable tray

Tray Bolts & Nuts

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

M6 x 12MM

Cable Tray & Trunking bolt with hex flange nut (6x12mm). Qty 100. | Channel and Tray manufacture a complete range of cable trays and industrial cable trays,

Cable Tray Accesories & Hardware – Quest Manufacturing

CABLE TRAY NUT & BOLT COUPLER SKU: CT0001-03 Cable Tray Accesories & Hardware View Details

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Using cable ducts is essential to create organized and lawful systems, as they allow you to organize multiple cables inside them and at the same time provide protection to them. At Canalplast we offer

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

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.

Best Fixing and Mounting Options for Cable Trays | CMW

Posted on: 30/04/2025 Regarding cable management, the fixing and mounting you choose for your cable trays can make or break your setup. Whether you're managing voice, data, or electrical cables,

M6 x 16mm Cable Tray Bolt & Flange Nut – Box of 100

This tray bolt and flange nut set is ideal for electrical, mechanical, and construction applications where quick, safe, and durable cable tray fastening is required.

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 Bolts – Electrical Fixings with Flange Nuts

These bolts are engineered for fast, secure fastening of cable trays to support structures—without the hassle of juggling loose washers or misaligned threads.

Cable Tray Accessories, Cable Tray Hangers & Support | RS

A functional cable tray system consists of various clamping, supporting, and splicing accessories in order to achieve the best possible system. Other add-ons include plastic nuts, bolts, swift clips, wire

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 diameter). Serrated flange nuts which bind

Cable Tray Bolts with Flange Nuts – Zinc-Plated Fixings for Cable ...

These Zinc-Plated Cable Tray Bolts with Flange Nuts are specifically designed to deliver a fast, secure, and efficient fixing solution for cable tray installations.

Cable Tray Bolts Complete With Nuts

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

Contact Us

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