

What size bolts are typically used for cable tray supports



AI Overview

M6 x 16mm bolts with serrated flange nuts are commonly used for cable tray fixing. For standard cable tray installations, M6 bolts (6mm thread diameter) with a length of 16mm are widely recommended. These bolts are typically paired with serrated flange nuts, which provide a vibration-resistant and secure hold without the need for additional washers.

Key Features

- Thread Diameter: 6mm (M6)
- Length: 16mm, suitable for most tray thicknesses and support brackets
- Head Type: Truss or combo heads (Pozi/Phillips) for easy installation
- Material: Mild steel, often zinc-plated or hot-dipped galvanized for corrosion resistance
- Nut Type: Serrated flange nuts that lock securely to prevent loosening under vibration

Usage Notes These bolts are suitable for internal and external applications, including ladder systems and support frameworks. For heavier or specialized cable trays, longer bolts or different thread sizes may be required, but M6 x 16mm is the standard for most installations. Ensure the bolt length accommodates the combined thickness of the tray and any supporting brackets to achieve a secure fastening. Using M6 x 16mm bolts with serrated flange nuts ensures a reliable, quick, and durable fixing for cable trays in electrical, mechanical, and construction applications.

Article Content

CABLE TRAY SYSTEMS GUIDE

Some applications may require the cable tray to support the weight of a single, dead object in addition to the cable loads. Specifications typically require this to be applied at the midpoint of the span between

Cable Tray Technical Guide A practical guide to product selection and ...

SOLID-BOTTOM CABLE TRAY Providing additional cable protection, solid-bottom cable tray is sometimes preferred to support and protect numerous small instrumentation and control cables.

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 today!

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,

Calculate Size of Anchor Fastener for Cable Tray Support.

Consider 4 No of 10mm size of Anchor Fastener having Basic Tensile Load Capacity of 5KN at each Support. Total Tensile Load= No of Anchor Fastener X 101.97XAnchor Tensile Load

Cable Tray Systems Explained: The Right Solution for Modern Cable ...

Discover cable tray systems, including tray types, sizes, duty ratings and materials, and learn how to choose the right solution for safe cable management.

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 Cleat Installation for High Voltage Cables

Cable cleat installation involves securing high voltage cables to trays or structures using specialized clamps to prevent movement and ensure safety. How often should cable cleats be spaced?

Server Room Cable Tray Guide: Best Types, Sizing

Designing a server room? Learn how to choose the right cable tray, size it correctly, and avoid costly mistakes. Expert tips on airflow, layout, and

Guide to cable support systems

Universal systems for cable support structures are used for small loads. The systems are suspended from the ceiling with threaded rods, stand-off brackets allow raised floor mounting of cable trays,

Cable Tray Installation Tools: Essential Equipment for a

Get the best cable tray installation tools for efficiency and safety. A complete guide covering cutting, drilling, measuring, and safety gear.

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

The M6 x 16mm cable tray bolt & flange nut set provides secure fastening support for cable trays and channel systems with minimal surface obstruction. Each set

Guide to cable support systems

The load capacity of the cable trays according to the support width can be read off in the diagram using load curves – here, shown as an example for a cable tray with the tray widths 100 to 600 mm.

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.

Cable Tray Nut, Bolt, & Clamp Assemblies

1/4" plastic bolts and wing Connector fastens channel and fittings together for added strength and rigidity. RUNWAY WALL ANGLE SUPPORT KIT, 18-IN. RUNWAY WIDTH, YELLOW ZINC.

Cable Tray Mounting Hardware

Cable Runway J-Bolt Kit connects ladder rack to top of a cabinet or auxiliary support channel. This J-Bolt Kit, LJBK item finish Plated with a material of Steel.

Avoiding Mistakes in Instrumentation Cable Tray

Learn how to avoid common mistakes in instrumentation cable tray installation. Follow IEC standards and EPC best practices for safe, reliable

Cable Tray Size Chart and Selection Guide

Typical support spacing for steel cable trays ranges from 1.5 meters to 6 meters depending on tray size, material gauge, and load conditions.

Cable Tray Bolts & Flange Nuts

M6 (6mm thread diameter). Serrated flange nuts which bind to the material to remain tight. No fiddly washers are required. Zinc plated for corrosion resistance.

Cable Cleat Installation for High Voltage Cables

Cleats should typically be spaced every 300-600mm, depending on cable type, tray design, and manufacturer guidelines. What materials are best for cable cleats in industrial settings?

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

Mounting instructions

The screw-on cable tray systems are used to support and route all kinds of cables, taking the approved load values into account. Depending on the corrosion protection used, they can be mounted both

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://estlascleaning.co.za>

Email: info@estlascleaning.co.za

Phone: +27 63 214 8579

Address: 22 Oxford Road, Parktown, Johannesburg, 2193, South Africa

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