

Auxiliary fixing flat iron for cable trays



Overview

Cable Tray Installation Accessories This article will delve into the various auxiliary materials and accessories essential for effective cable tray install.

Key Takeaways

Auxiliary fixing flat irons are versatile support brackets used to securely mount cable trays to walls, ceilings, or other surfaces, ensuring stability and proper cable management.

Overview

Auxiliary fixing flat irons, often made from pre-galvanised steel, Dacromet, or stainless steel, are used to support and fix cable trays in both horizontal and vertical installations. They provide a stable platform for cable trays, especially in long runs or where additional reinforcement is needed. These brackets are commonly used in conjunction with threaded rods, couplers, and hangers to create a secure and continuous cable tray system.

Applications Wall-mounted support: Flat iron brackets can be fixed to vertical surfaces to hold cable trays at various heights, suitable for both small and large tray widths. Ceiling or overhead suspension: Used with threaded rods and hoisting frames or cross arms, flat iron brackets help suspend trays from ceilings, providing stability and preventing sagging. Floor or base mounting: Universal base fixing plates, a type of flat iron, allow trays to be flush-mounted on flat surfaces, accommodating uneven floors with a clearance of around 15 mm.

Installation Components

Threaded rods: Connect the flat iron bracket to ceiling or overhead supports, adjustable in length for precise positioning. Couplers and connectors: Join multiple tray sections, ensuring structural continuity and alignment. Washers and bolts: Secure the flat iron to the tray and mounting surface, sometimes with teeth washers to improve grounding and electrical conductivity.

Specialized hangers: Trapeze or center support hangers can be used with flat iron brackets for long horizontal runs, enhancing load distribution.

Material and Strength Considerations

Flat iron brackets are available in heavy-duty, medium-duty, or light-duty versions, depending on the tray type and cable load. Corrosion-resistant coatings such as galvanization or Dacromet are recommended for long-term durability, especially in industrial or outdoor environments.

Benefits

Provides stable and secure support for cable trays. Facilitates easy installation and maintenance. Ensures proper cable organization, reducing tangling and improving accessibility.

Compatible with a wide range of tray sizes and configurations. Enhances electrical safety when used with grounding kits and conductive washers. In summary, auxiliary fixing flat irons are essential components in cable tray systems, offering flexibility, strength, and safety for both commercial and industrial installations.

Proper selection and installation of these brackets, along with complementary accessories, ensure a reliable and efficient cable management system.

Article Content

Cable Tray Installation Accessories

This article will delve into the various auxiliary materials and accessories essential for effective cable tray installation, drawing insights from

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