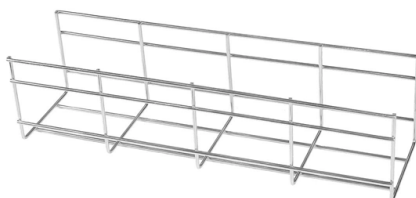


New Cable Tray Fixing Bracket



Overview

Best Fixing and Mounting Options for Cable Trays | CMW Discover the best fixing and mounting options for cable trays and wire mesh basket trays. CMW shares.

Key Takeaways

Modern cable tray fixing brackets include stand-off, G hanger, and trapeze support designs, offering enhanced strength, corrosion resistance, and flexible installation options.

Overview of Cable Tray Fixing Brackets

Cable tray fixing brackets are essential components for supporting and securing cable trays in industrial, commercial, and infrastructure installations. They provide mechanical support, maintain proper spacing, and ensure safe routing of electrical and communication cables. Brackets are typically mounted on walls, ceilings, or structural beams and are designed to withstand mechanical loads, environmental conditions, and corrosion over time.

Types of Modern Brackets¹.

Stand-

Off Brackets Stand-off brackets are designed to mount cable trays at a specific clearance from walls or surfaces. They are available in sizes ranging from 50mm to 300mm and are ideal for installations requiring precise spacing. These brackets are often made from 2mm thick ribbed steel and finished with hot-dipped galvanization for long-term corrosion resistance.

2. G Hanger Support Brackets G hanger brackets provide overhead support for cable trays, trunking, or baskets. They are available in sizes such as 100mm and 150mm and feature a rigid design that simplifies installation.

These brackets are suitable for medium to heavy-duty cable tray systems and are compatible with standard tray widths. 3. Trapeze Support Brackets Trapeze brackets are pre-assembled for quick installation and provide robust support for cable trays with various widths and drop lengths.

They are particularly useful for supporting multiple trays in parallel or for installations requiring adjustable height. Materials include pre-galvanized steel, hot-dipped galvanized steel, and stainless steel (A316/A4) for enhanced durability.

Material and Coating Options

Modern brackets are manufactured from high-quality materials such as stainless steel, galvanized steel, and aluminum, ensuring strength and resistance to corrosion. Coatings like hot-dipped galvanization or pre-galvanization improve longevity in harsh environments, including industrial, offshore, and outdoor installations.

Additional Features

Compatibility: Brackets are designed to integrate seamlessly with cable trays, ladders, and mesh trays. Load Capacity: Heavy-duty designs support larger cable loads and wider trays. Installation Flexibility: Options include wall-mounted, ceiling-suspended, or beam-mounted configurations.

Accessories: Many brackets allow attachment of additional components such as clamps, junction boxes, or protective covers.

Conclusion

The latest cable tray fixing brackets, including stand-off, G hanger, and trapeze supports, provide enhanced strength, corrosion resistance, and flexible installation options. Selecting the appropriate bracket depends on the tray type, load requirements, installation environment, and desired clearance, ensuring a safe and efficient cable management system.

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