

Cable fixing rod inside cable tray



Overview

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

Key Takeaways

Rod clips and cable tray fixings are commonly used to secure rods or small cable containment inside cable trays, providing stable support and easy installation. Methods for Fixing Rods in Cable Trays

1. Rod Clips: Rod clips are designed to attach small cable containment, baskets, or trays to threaded rods. They typically provide an arm (e.g., 68mm) to support the cable tray and can be easily installed on threaded rods without complex tools, ensuring a secure hold for the tray or basket . 2. Threaded Rod Mounting Systems: Innovative systems like the CADDY Rod Lock allow quick attachment of cable trays to threaded rods. The nut or clip can be positioned anywhere along the rod, twisted to lock, and tightened with a wrench. This method accommodates minor rod imperfections and reduces installation time significantly compared to conventional fasteners . 3. Push-On Clips and Fasteners: Push-on clips are another option for securing cable trays or rods to steelwork, beams, or purlins. They enable quick installation without drilling or additional hardware, making them suitable for retrofit or new installations .

Accessories and Considerations

- Cable Cleats and Fixings: These help organize cables inside the tray and prevent movement or entanglement, which is especially important when rods are used to support multiple trays .

- **Supporting Brackets and Suspension Rods:** These provide additional stability for heavy or long cable runs, ensuring the rod and tray remain level and secure .
- **Material Selection:** Rod clips and fixings are typically made from galvanized steel, stainless steel, or aluminum alloy to resist corrosion and support the load of the cables .

Installation Tips

- Ensure the rod is properly threaded and vertical to maintain tray alignment.
- Position clips or nuts at intervals recommended by the tray manufacturer to prevent sagging.
- Use dividers or cable cleats to separate different cable types and reduce mechanical stress on the rod.
- For retrofit projects, choose clips that allow easy repositioning without removing the rod entirely . By selecting the appropriate rod clips or threaded rod mounting system and combining them with supporting accessories, you can securely fix rods inside cable trays while maintaining flexibility for future adjustments or expansions .

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