Rods for fixing cable trays



Overview

These fittings are used in conjunction with cable trays to support cables in ventilation holes, assist with directional change of piping systems, and aid cable channelling around obstacles.

Key Takeaways

Cable tray fixing rods are threaded rods used with clips, hangers, and brackets to securely suspend cable trays from ceilings, beams, or walls.

Overview

Cable tray fixing rods, often threaded, are essential components in cable management systems for supporting horizontal or vertical runs of cable trays, baskets, or trunking. They provide a stable connection between the tray and the structural support, ensuring proper load distribution and compliance with safety standards. These rods are typically used in conjunction with rod clips, hanger brackets, and nuts to secure the tray at the desired height and orientation.

Types of Rod Fixing Accessories

Rod Clips: Designed for small cable containment, rod clips provide a support arm (commonly around 68mm) to hold trays, baskets, or trunking securely. They are ideal for light-duty installations. Hanger Brackets: These brackets attach to threaded rods and can be mounted overhead or to beams.

They often include nuts for height adjustment and are compatible with various tray widths. Utility Clips / Light Duty Brackets: Products like the Walraven Britclips® offer simple, high-quality solutions for light-duty cable tray support.

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Installation Guidelines

Support Spacing: Supports should be positioned so that splice joints between horizontal tray runs fall between the support points, typically at quarter points of the span. Rod Assembly: Thread the top nut onto the rod, attach the hanger or clip, then secure with a bottom nut. This allows for height adjustment and ensures the tray is level.

Compatibility: The type of cable tray (ladder, ventilated, or solid-bottom) determines the appropriate rod clip or hanger. Ladder trays may require solid cover fittings, while ventilated trays may need slots or holes for smaller cables. Material Considerations: Rods and brackets are usually made of steel or stainless steel, often with galvanization for corrosion resistance, suitable for industrial or commercial environments.

Practical Tips

Ensure the rod and clip system can handle the mechanical load of the cables and tray. Use threaded rods of appropriate length to accommodate ceiling height and tray clearance. For long spans, consider intermediate supports to prevent sagging and maintain cable integrity.

Always follow local electrical codes and DIN EN 61537 standards for cable support systems. By using cable tray fixing rods with the correct clips and hangers, you can achieve a secure, organized, and code-compliant cable management system that supports both safety and efficiency in industrial or commercial installations.

Article Content

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Guide to cable support systems

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