

How to secure the cover of the cable tray



AI Overview

Cable tray covers can be securely fastened using bolts, clips, welding, hooks, magnets, or specialized cover clamps depending on the tray type and installation conditions.

Key Methods for Securing Cable Tray Covers

- 1. Bolt Method** Drill holes in the cable tray and secure the cover with bolts and nuts. This method provides a strong and adjustable connection, allowing easy repositioning if needed. Proper alignment of holes and tight fastening is essential to prevent loosening over time.
- 2. Clip Method** High-quality clips can snap the cover onto the tray quickly without complex tools. This method is fast and convenient, suitable for light to medium-duty applications. Ensure clips are durable to avoid wear or loosening.
- 3. Welding Method** Welding the cover directly to the tray offers a permanent and highly secure installation. This is ideal for high-durability applications but requires specialized skills and equipment. Modifications after welding are difficult.
- 4. Magnetic Method** Magnets can attach covers without drilling or bolts, suitable for light covers. However, magnetic attachment is less reliable for heavy covers or in areas prone to impact.
- 5. Hook Method** Covers can be hooked onto pre-installed hooks on the tray. This method is simple and effective for certain tray designs, providing quick installation and removal.
- 6. Specialized Cover Clamps (PKP-SP Series)** For demanding conditions such as vertical installations or exposure to wind, mechanical cover clamps like PKP-SP1, PKP-SP2, and PKP-SPM1 provide additional fastening. PKP-SP1 and PKP-SPM1 are screwed in place, while PKP-SP2 can be installed without tools. These clamps are suitable for perforated or mesh cable trays and enhance mechanical stability.

Best Practices

- Measure accurately:** Ensure the cover fits the tray perfectly to avoid gaps or misalignment.
- Use quality materials:** Both the tray and cover should be made of durable, corrosion-resistant materials.
- Consider environmental conditions:** Choose the securing method based on exposure to wind, vibration, or vertical installation.
- Regu...**

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Cables should be fastened to the cable ladder and/or cable tray using cable cleats or cable ties to prevent movement of the cables under normal use and during fault conditions (Figures 25a and 25b).

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Make sure all surfaces of the pulling devices that come in contact with the cable and ladder tray are covered by a protective covering of plastic or tape to prevent surface scoring.

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