

RIVO MULTITRADE OPTICAL SYSTEMS

How to fix the cover plate of the vertical cable tray



Overview

Installation and maintenance of cable tray wiring systems should be performed by a minimum of two qualified technicians.

Key Takeaways

Secure the cover plate of a vertical cable tray using appropriate clips, clamps, or buckles designed for vertical installation to prevent slipping and protect cables.

Common Fixing Methods

- Pressing Plate Fixing Punch holes in the cover plate, then use a pressing plate to clamp the cover to the tray with screws. This method works for both horizontal and vertical installations and provides a strong, permanent hold .
- Screw Fastening Punch the cover plate and secure it with a rotating screw buckle. This method is suitable for vertical trays and allows for a reliable, adjustable connection .
- Seven-Shaped Buckle or Clip Slide a seven-shaped clip onto the tray edge to lock the cover in place. Some models may require a screw for extra security. This method is ideal for vertical trays exposed to vibration or wind .

- PKP-SP Cover Clamps For perforated or mesh cable trays, use PKP-SP1, PKP-SP2, or PKP-SPM1 clamps. PKP-SP1 and PKP-SPM1 are screwed in position, while PKP-SP2 can be installed without tools. These clamps provide additional mechanical fastening for demanding vertical installations .

Key Considerations

- Material: Use stainless steel (304 grade) for corrosion resistance, especially in wet or outdoor environments .
- Access Frequency: For trays that require frequent maintenance, choose no-weld clips or rotating buckles for easy removal. For permanent installations, use pressing plates or seven-shaped clips .
- Vibration and Load: Vertical trays may experience more stress; ensure the chosen fixing method can withstand vibration and the weight of the cables .
- Tray Width: Wider trays may require hoops or multiple clamps to secure the cover evenly .

Installation Tips

- Align the cover plate properly before fastening to avoid gaps.
- Tighten screws or clamps firmly but avoid over-torquing, which can deform the tray or cover.
- Check periodically for loosening, especially in vertical or high-vibration areas.
- Follow manufacturer guidelines for the specific clip or clamp model to ensure maximum safety and durability . By selecting the right fixing method and accessories, you can ensure that the vertical cable tray cover remains secure, protecting cables from dust, debris, and mechanical damage.

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