

DIY Cable Tray Hangers

Article Overview

Cable tray hangers are made by selecting appropriate materials, cutting support rods or brackets, and installing them at proper intervals to safely support the tray and cables.

Materials and Tools Needed

To make cable tray hangers, you will need:

- Threaded rods or metal brackets (steel, stainless steel, or galvanized for corrosion resistance)
- Beam clamps, nuts, and washers for securing rods to structural elements
- Cable tray connectors and fittings to attach trays to hangers
- Drill, wrenches, and measuring tools for precise installation .

Steps to Make and Install Hangers

- Plan the Layout Determine the cable tray route, considering clearance, load, and separation from other utilities. Mark hanger positions along the route, typically 1.5 to 3 meters apart depending on tray type and cable weight .
- Cut and Prepare Rods or Brackets Pre-cut threaded rods to the required length for ceiling or wall mounting. Ensure the rods or brackets are strong enough to support the tray plus a 25% safety margin for future cable additions .
- Attach Rods or Brackets to Structure Use beam clamps or anchor bolts to secure rods to ceilings, beams, or walls. For wall-mounted trays, YPK wall supports or similar brackets can be used with M6 screws and nuts .
- Install Cable Tray on Hangers Place the cable tray onto the hangers and secure it...

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Cable ladder and cable tray systems The following recommendations are intended to be a practical guide to ensure the

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