

How to drill holes in cable tray supports and the price



Overview

Get the best cable tray installation tools for efficiency and safety. A complete guide covering cutting, drilling, measuring, and safety gear.

Key Takeaways

Drilling holes in cable tray supports involves marking the support points, using a power drill with appropriate bits, and securing the supports with anchors or bolts, with costs varying by material and labor.

Step-by-

Step Drilling Process

Plan and Mark Support Points: Determine the cable tray route and spacing for supports, typically every 1.5 to 2 meters, and mark the drilling points using a chalk line or laser level.

Select Tools and PP

E: Use a power drill suitable for metal, a hammer drill for concrete, drill bits matching the anchor size, a wrench set, and safety equipment including gloves, safety glasses, and a hard hat. **Drill the Holes:** Position the drill perpendicular to the support surface. For metal supports, use a high-speed steel (HSS) bit; for concrete or masonry, use a masonry bit.



Drill slowly to avoid overheating and burrs. Deburr and Clean: After drilling, remove sharp edges with a file to prevent cable damage and ensure proper fit of anchors or bolts. Install Anchors and Supports: Insert drop-in anchors, rawl bolts, or threaded rods into the drilled holes, then attach the cable tray support brackets and tighten securely.

Tools and Materials Needed

Power drill and drill bits (metal or masonry) Hammer drill (if mounting on concrete) Wrenches, flat washers, hex nuts, spring or wing nuts Threaded rods, drop-in anchors, hold-down brackets Chalk line or laser level for marking Safety gear: gloves, glasses, hard hat Price Estimates Drill bits: \$5–\$20 per bit depending on size and material Anchors and bolts: \$1–\$5 per piece depending on type and size Threaded rods: \$2–\$10 per meter Labor: Professional installation may cost \$50–\$100 per hour, depending on complexity and location Total per support: For a single support bracket with anchors and labor, expect roughly \$15–\$50, excluding the cable tray itself.

Safety Tips

Always wear PPE to prevent injury from metal shavings or falling objects. Ensure supports are rated for the cable load and comply with NEC or local electrical codes. Avoid drilling near live electrical lines or pipes.

By following these steps and using the correct tools, you can safely drill holes in cable tray supports and install them efficiently while estimating costs for materials and labor.

Article Content

Cable Tray Installation Tools: Essential Equipment for a

Get the best cable tray installation tools for efficiency and safety. A complete guide covering cutting, drilling, measuring, and safety gear.

Cable Tray and Conduit Installation Guide

This method statement outlines the procedures for installing cable trays and conduits, including: 1) preparing materials and tools, 2) erecting supports and scaffolding, 3) cutting, drilling, and joining tray

Cable Tray Installation Procedure Guide

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