How to press down the small side of the cable tray



Overview

Tray-rated cables are required for cable tray installation, so using a channel cable tray system or wire mesh system for exits may be more convenient and economical.

Key Takeaways

To press down the small side of a cable tray, use proper hand tools or clamps to bend or secure the edge safely without damaging the tray or cables.

Step-by-

Step Guidance1. Identify the Small Side or Flange The small side of a cable tray is typically the edge or flange that helps contain cables or connects to fittings. Ensure the tray is properly supported on brackets or a flat surface before attempting to press it down.

2.

Use Appropriate Tools

Hand tools: Pliers, a mallet, or a bending tool designed for sheet metal can help press down the flange gradually. Clamps: Temporary clamps can hold the tray in place while you adjust the edge. Protective padding: Use a soft block or cloth to prevent scratching or denting the tray surface.

3.

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Apply Controlled Pressure

Press the small side evenly along its length to avoid warping. If the tray is long, work in sections, pressing a few inches at a time. Avoid excessive force; the tray should bend slightly to hold cables or fit connectors without cracking.

4. Secure the Tray Once the small side is pressed down, use splice plates, bolts, or quick-connect fittings to lock the tray in position. This ensures stability and prevents the edge from springing back.

5. Check Cable Clearance After pressing the edge, verify that cables can be laid without exceeding their minimum bend radius and that airflow or ventilation is not obstructed. 6.

Safety Considerations

Wear gloves to protect hands from sharp edges. Ensure the tray is supported to prevent tipping or sagging. Follow local electrical codes and manufacturer guidelines for tray handling and installation.

By following these steps, the small side of the cable tray can be safely pressed down to secure cables or connect to other tray sections, maintaining both mechanical stability and electrical safety.

Article Content

Legrand Cable Tray Installation Instruction

Tray-rated cables are required for cable tray installation, so using a channel cable tray system or wire mesh system for exits may be more convenient and economical.

Cable Tray Installation

Learn everything about cable tray installation with our complete guide. Discover types, steps, and safety tips for efficient electrical cable management.

Cable Tray Installation Procedure Guide

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Simply make the appropriate cuts in the side wall of the tray you are joining a length to, bend down the side wall, and attach a TX bracket either side. Riser links must always be installed in pairs, one on

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

Fiber Cable Tray System

Always use a miter box to ensure perpendicular cuts. Place the tray in the miter box upside down. Apply light pressure to the saw and cut slowly. Remove any remaining burrs with a file, utility knife, or

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