

Complete Guide to Cutting Cable Tray Bends at 90° Angles



Article Overview

A 90-degree cable tray bend is typically made by cutting two 45-degree angles, removing V-notches, and fastening the tray to form a precise elbow.

Tools and Materials

- Straight cable tray section
- Measuring tape, marker, set square or protractor
- Cutting tools: angle grinder, circular saw, or hacksaw
- Drill with bits, nuts, bolts, and washers
- Cold galvanizing spray for rust protection
- Personal protective equipment: gloves, eye protection, and PPE for sparks and debris

Step-by-Step Fabrication

1. Mark the Center Line: Determine the desired bend location and draw a straight line across the tray base to serve as a reference . 2. Mark 45-Degree Cuts: Measure from the center line to mark the points for two 45-degree cuts on the tray flanges. For standard trays, the distance can range from 45mm to 82mm depending on tray width . 3. Cut the Side Channels: Using an angle grinder or circular saw, cut the tray flanges at the marked 45-degree angles, stopping at the base . 4. V-Notch the Base: Remove V-shaped sections from the tray base where the bend will occur. This allows the sides to close together without deformation . 5. Flatten and Bend: Use a blunt object or h...

Article Content

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Trunking Cutting Techniques Guide | PDF | Metalworking | Tools

The document provides instructions for forming various bends and joints in electrical trunking and cable trays. It describes: 1) How to

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Cable Tray Design and Components Guide

This document provides information about cable trays and accessories, including straight cable trays, perforated trays, returned edge

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How to Make a Rolling 90 in Tray

Here's how to create a seamless rolling 90-degree bend in cable tray! ☐☐ This guide walks you through each step,

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Cable Trays Catalog

90°Radius Bends Wire Mesh Cable Tray L (90 degree) Junction Instructions CABLE TRAY CUTTING & BENDING GUIDES

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How to Make a 90-Degree Bend in Cable Tray | TikTok

Learn how to easily create a 90-degree bend in cable tray with this step-by-step tutorial. Follow along to mark, cut, file,

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CABLE TRAY CUTTING & BENDING GUIDES CONFIGURING CABLE TRAYS FOR INSTALLATION 90° Short Radius Bends

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Bending Cable Tray

Students trading aid on how best to put an internal 90 degrees bend in steel cable tray. Includes a full demonstration

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Cutting Cable Tray Wire Mesh

When making these radiused horizontal fittings, the outside of the cable tray wire will not be cut. Only cut the bottom

Jan 10, 2026

Configuration methods

G - Vertical bend without a radius (90°) create a 90° vertical bend, remove one section of side wires on each side of the tray at the

Dec 19, 2025

Method for cutting right-angle bends in cable trays

Creating a 90-degree elbow in an electrical cable tray, often called a "fabricated" or "mitered" bend, involves cutting, bending, and

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Assembly Guide

Assembly Guide The bends, tees, crosses, risers and reducers of wire mesh cable tray can be easily and quickly made live at the

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How To Bend Cable Tray

Discover the best techniques and tools to bend cable tray easily and efficiently. Learn step-by-step instructions and

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How to create a 90° gusset bend (45°x2) cable tray

Depends on the type of cable tray, you can buy 90° tray fittings or use a speed square with a straight edge and a grinder or skill saw

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Trunking Cutting Techniques Guide The document provides instructions for forming various bends and joints in electrical trunking

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How to construct a flat 90° bend for Cable Trays

Construction of a flat 90° bend (G) The gusset is produced by cutting a piece of tray to the required size, removing 1 lip

Mar 21, 2026

How to Create Bends in Wire Mesh Cable Trays (Step-by-Step Guide)

Creating bends in wire mesh cable trays is simple, fast, and cost-effective when done correctly. With proper cutting and bending

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Assembly Guide

Guide for making bends, tees, crosses, risers and reducers from straight sections of wire basket cable trays live at the project.

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90° Cable Tray Bend Installation Guide | PDF

The document provides instructions for the installation of 90° short radius bends for wire mesh cable trays in various widths (4", 6",

Contact Us

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