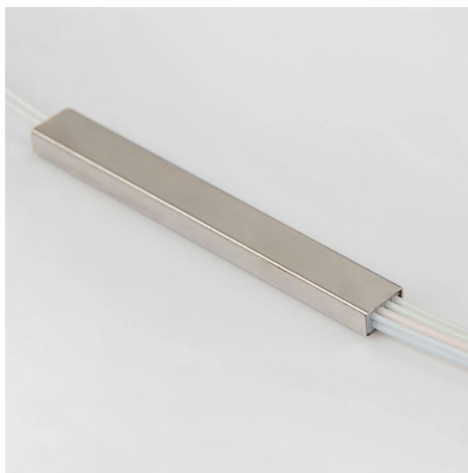


## Right Angle 200 Cable Tray



### Overview

Choose from our selection of cable trays, including over 850 products in a wide range of styles and sizes. Same and Next Day Delivery.

### Key Takeaways

A 200 mm cable tray can be bent to a 90° angle using either pre-fabricated bends or on-site fabrication with cutting, bending, and rejoining techniques. Using Pre-Fabricated 90° Bends

For standard installations, pre-fabricated 90° bends are available for 200 mm wide cable trays. These are typically made of galvanized metal and can be connected to straight tray sections using screws, bolts, or rivets. Installation involves inserting the tray ends into the bend and securing them with fasteners, ensuring a stable and organized cable path. Pre-fabricated bends are ideal for quick assembly and consistent angles.

#### On-Site Fabrication of a 90° Bend

If a pre-fabricated bend is not available, a 200 mm cable tray can be bent on-site using the following steps :

- **Marking the Bend:** Determine the 90° angle and mark the centerline and sides of the tray. Divide the bend into equal segments (e.g., 3 or 5) to create a smooth curve.
- **Cutting Side Walls:** Cut triangular or rectangular sections along the side walls where the bend will occur. These cuts allow the tray to fold without deforming.

- Forming the Bend: Use a manual bender, press brake, or other bending tools to gradually bend each segment to form the 90° angle. Ensure uniform bending to maintain structural integrity.
- Rejoining Side Walls: After bending, rejoin the cut sections using welding or bolting/riveting with metal strips for reinforcement.
- Drilling Connection Holes: Drill holes at each end of the bend to connect it to straight tray sections using nuts and bolts.

#### Tools and Materials Required

- Galvanized sheet (1.6 mm or as per design)
- Measuring tape, marker, or scribe
- Angle grinder or metal shear
- Drill machine
- Rivets, nuts, and bolts
- Manual or hydraulic bending tools
- Welding machine (optional for reinforcement)

#### Tips for Smooth Installation

- Ensure the bend radius is sufficient to prevent cable damage.
- Use protective caps on cut ends if using wire mesh trays to maintain safety and corrosion resistance .
- Verify alignment with existing tray runs before final fastening.
- For complex layouts, consider calculating cut-out sections to achieve precise angles and offsets . By following these methods, a 200 mm cable tray can be installed at right angles safely and efficiently, either using pre-fabricated components or custom on-site fabrication.

## Article Content

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CABLE TRAY SYSTEMS GUIDE

It is designed for mechanical support and strain relief in long runs of cable and creates a smooth gradual bend for cable. Rail and

Roller, Cable-Heavy Duty (PKGD) (CTR200) | Greenlee

Use to assist pulling cables along non basket-style cable trays. Designed to aid load forces during cable pulls especially right before

Tubing Trays | McMaster-Carr

These are the most corrosion-resistant tray systems we offer for routing cable and hose in configurations such as curves, slopes, and

B-Line series pan tray catalog

Solid flanged covers should be used when maximum enclosure of the cable is desired and no accumulation of heat is expected.

GRN CTF-200 CABLE TRAY FEEDER | Codale Electric Supply

Used to assist feeding cables along non basket-style cable trays. Designed to aid loads right before 90 degree bends, vertical rises

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Perforated Cable Tray — Aluminum, Galvanized, 304 SS | TechLine Mfg

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Greenlee 20369R Cable Tray Roller, Right Angle, 36" Radius

Greenlee 20369R Cable Tray Roller, Right Angle, 36" Radius 90 Degrees, Steel Welded Frame Our Part # 10311901 Condition:

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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

Right Angle Rollers 24"

The Greenlee 20249R are Cable Tray Rollers Greenlee 20249R Features: Installed up through the bottom of the tray for easy

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GUIDE CABLE TRAYS TECHNICAL

Stainless steel Zinc Zinc cable tray and stainless steel accessory Galvanic corrosion must be taken into account within the whole

CABLE LAddEr TrAY

Cable tray system components and cable ladder tray system components have been declared electrically non conductive. An overall

95036RA Right Angle Roller

95036RA Right Angle Roller: Elevate your cable management with precision-engineered rollers. Elevate efficiency and reliability in

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