

Fixing cable trays with I-beam clamps



Article Overview

Cable trays can be securely mounted to I-beams using specialized beam clamps, which provide reliable support without drilling into the structural steel.

Types of I-Beam Clamps for Cable Trays

- C-Clamps and Girder Clamps: These clamps attach directly to I-beams or wide flange beams and allow the support of cable trays or hanger rods. They are typically made of malleable iron, zinc-plated, or hot-dip galvanized for corrosion resistance ().
- Self-Adjusting Girder Clamps: These clamps automatically adjust to the beam flange width, simplifying installation and ensuring a secure fit ().
- Cope Beam Clamps: Designed for mounting J-hooks or bridle rings to I-beams, useful for supporting cable trays indirectly ().

Installation Steps

- Select the Appropriate Clamp: Choose a clamp rated for the load of your cable tray system. Standard clamps can support loads from 300 lbs to 500 lbs depending on the type and beam size ().
- Position the Clamp: Place the clamp over the I-beam flange. Ensure it sits flush and aligns with the cable tray path.
- Secure the Clamp: Tighten the set screws or bolts on the clamp to grip the beam securely. Self-adjusting clamps will automatically conform to the flange width ().
- Attach the Cable Tray: Use the provided hardware to fasten the cable tray to the clamp. Some clamps allow direct attachment, while others may require a hanger rod or bracket ().
- Check Alignment and Load: Ensure the cable tray is level and the load is evenly di...

Article Content

Dec 29, 2025

Best Practice Guide to Cable Ladder and Cable Tray Systems

Trapeze hangers (Figures 9) are suitable for use with cable ladder and cable tray, supported by threaded rods hung

Nov 16, 2025

How to attach a cable ladder and wire mesh tray to a steel beam?

Beam bracket PK2 and mounting rail AS can be used to build a support for an I beam. Ceiling support TP1 is attached to mounting

Mar 14, 2026

BEAMA Best Practice Guide to Cable Ladder & Cable Tray Systems

This document provides guidance on best practices for installing cable ladder and cable tray systems, including channel support

Feb 13, 2026

Guide to cable support systems

Universal systems for cable support structures are used for small loads. The systems are suspended from the ceiling with threaded

Mar 04, 2026

Beam Clamps

EzyStrut beam clamps suit a wide variety of clamping applications and eliminate the need to drill structures in most circumstances.

Oct 25, 2025

INSTALLATION GUIDE

Cable or "P" clamps and plastic tie wraps are used to fasten cables/conductors to the ladder tray. Single conductors must be

May 06, 2026

Beam Clamps

Has two holes for either side-mount or bottom-mount of cable hangers For beam clamps that are pre-assembled to J-Hooks or bridle

Jul 06, 2026

Installation of Cable Tray, Trunking And Accessories

Before beginning installation, be sure that the method statement for installation of cable tray, trunking, and

Nov 19, 2025

Looking for way to mount CAT-6 STP to I-beam : r/networking

Beam clamp with J hook. Can give examples pictured if needed. We run 25 through each, large j hooks

Jun 11, 2026

CABLE TRAY I-BEAM MOUNTING CLIP – Quest

- Ideal for mounting cable tray from structural I-beams
- Attach to threaded rods for hanging cable trays

Sep 29, 2025

Beam clamps for strut mounting | Eurostrut fastening

Beam Clamps Strong and reliable fixation – Beam clamps provide a robust solution for fastening cable

Mar 28, 2026

SECTION 01.1: I-BEAM CABLE LADDER TRAY

I-BEAM CABLE LADDER TRAY Vantrunk's I-Beam aluminum Cable Ladder Tray builds on our experience of supplying specialized,

Jun 26, 2026

Cable Tray Technical Guide A practical guide to product selection and ...

In designing supports for a cable tray system, consideration should be given to the loads associated with future cable additions and

Dec 20, 2025

I-BEAM Divider U-Bolt Clamp Kit

I-BEAM Ladder - I-BEAM Divider Clamp Kit Welded aluminum I-beam ladder cable trays are a core solution and an iconic design in

Sep 04, 2025

Cable Tray Hold Down Clamps Guide

The document describes cable tray clamps and guides that attach to I-beams or channels without drilling, to securely hold or allow

Jan 16, 2026

Connecting Cable Trays: Your Guide to Secure and

Learn common methods for connecting cable trays safely and efficiently. Our guide covers

Jan 25, 2026

I beam Clamp | Ramdev Steel Industries

I beam Clamp They are primarily used to securely hang and support cable trays from overhead I-beams. This allows for the

Feb 27, 2026

Support methods

18 - Beam clamp The beam clamp (see page C34) is used to attach L-profile ExpressTray to steel beams and girders. al to install.

Feb 02, 2026

I Beam Cable Tray

The I-Beam cable tray design is another side rail style offered besides C-Channel side rail styles for customers that prefer this style.

Jul 23, 2026

Best practice guide to cable ladder and cable tray systems

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

Nov 10, 2025

Best Practice Guide to Cable Ladder and Cable Tray Systems

This guide covers cable ladder systems, cable tray systems, channel support systems and associated supports intended for the

Mar 19, 2026

EI03 | Lindapter

Cable tray support tree to beam Supporting Section: Beam Supported Section: Cable Tray Connection

May 16, 2026

Beama Best Practice Guide | Installation Of The System | Cable ...

The following recommendations are intended to be a practical guide to ensure the safe and proper installation of cable ladder and

Dec 18, 2025

I-BEAM Ladder Conduit Attachment Bracket & Clamp

Aluminum I-beam conduit bracket and clamp for cable tray installation. Lightweight, corrosion resistant, and easy to install.

Aug 23, 2025

Fixings for electrical cables and other electrical installation ...

Fixings for all types of electrical installations: profiles and brackets for tubes or cable trays, clamps of different materials, nylon cable

Jul 06, 2026

I-BEAM Floor Support Brackets

I-BEAM Ladder - Floor Support Brackets Welded aluminum I-beam ladder cable trays are a core solution and an iconic

Jun 23, 2026

Beam Clamps

Beam clamps allow J-Hooks and bridle rings to be mounted to I-Beams and other structural members. Mount J-hooks or bridle rings

May 12, 2026

Cable Tray Supports & Clamps

These special heavy duty tray hold down cable tray clamps and expansion guides are ideal for fastening tray to C-Channels and

Mar 30, 2026

Hold down clamp | Z clamp | GRP Cable tray

Hold Down Clamp also known as Z clamp is a quick & easy method of securing GRP Cable tray/Cable ladders to the supporting

Contact Us

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