

Cable Fixing Clamps and Cable Trays



AI Overview

Cable tray clamps are essential for securely fixing cable trays to beams, channels, or rods, ensuring safe and stable cable management in industrial and commercial installations.

Types of Cable Tray Clamps

- 1. Beam and C-Clamps:** These clamps attach cable trays directly to I-beams, wide flange beams, or angles. They are typically made of unfinished iron or zinc-plated steel and can support loads up to 400 lbs for standard C-clamps and up to 500 lbs for channel clamp assemblies. Some clamps include hook bolts or swivel joints for adjustable positioning.
- 2. Hold-Down and Expansion Clamps:** Heavy-duty clamps secure trays to C-channels or beams without drilling, using set screws to reduce labor costs. They are suitable for bridges or industrial structures and can be used on most surfaces with field-drilled holes.
- 3. Mesh Tray Fixing Clamps:** Kits for mesh cable trays (CTN) include zinc-plated steel clamps and screws, providing quick, heavy-duty fixation and ensuring 100% safety for cables.
- 4. Hanging and Suspension Clamps:** These clamps attach trays to threaded rods using hex nuts, allowing suspension from ceilings or supports. They are compatible with wire mesh or ventilated trays and help prevent sagging while maintaining accessibility.

Materials and Finishes

- Zinc-plated steel:** Offers corrosion resistance and durability for indoor and outdoor use.
- Copper alloy with tin plating:** Used for grounding clamps to ensure electrical safety.
- Unfinished iron:** Common for standard beam clamps.

Installation Considerations

- Ensure clamps are compatible with the tray type (ladder, ventilated, solid-bottom).
- Follow maximum load ratings to prevent structural failure.
- Use included hardware or appropriate fasteners for secure attachment.
- For heavy-duty applications, consider clamps with expansion guides or set screws to avoid drilling into structural beams.
- Hanging clamps should be spaced according to tray width and load, typically every 6–8 feet.

Accessories and Add-Ons

Cable tray systems often require additional accessories such as couplers, tees,...

Article Content

Cable trays

We offer a wide range of cable tray systems to support tubing, electrical cables and instrumentation. Our cable trays are produced in fit for purpose materials like

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

Cable Tray Technical Guide A practical guide to product selection and installation This guide for engineers and installers has been developed by ABB as a practical reference regarding cable tray

Adjustable Under Desk Cable Management Tray, No

Expert Features No-Drill Clamp Installation : Mount it under your desk using strong clamps only — no drilling, no holes, no desk damage, and easy repositioning

Cable Tray Fitting Accessories

Some common cable tray fittings include elbows, tees, crosses, bends, risers, reducers, bolts, nuts, locks, expansion screws, supporting brackets, suspension

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Fixings for electrical cables and other electrical

Solutions for fixing cables and other elements in electrical installations. We have references designed to cover all areas of an electrical installation, whatever the

Cable Tray Ladder Trunking Wire Basket Installation

Cable trays are available in different configurations, straight sections are available to route cables in a horizontal or vertical plane. Fittings are available to route cables

TOE BEAM CLAMP 1-HOLE (SC856)

This 1-hole toe beam clamp is used as part of your channel support systems. It provides an economical, flexible and efficient method for universal support and fixings for: cable trunking, cable tray, cable

Cable Tray Fitting Accessories

As the leading cable tray manufacturers and suppliers, JLH Electric offers a wide range of accessories and spare items, including tray supports and tray

Cable Tray Clamps, CTC | nVent HOFFMAN

Features Description: Kit of fixing clamps for the mesh cable tray CTN. Provides a quick and heavy duty fixing for the cable tray and ensures 100% safety for the cables. Material: Zinc plated steel. Pack

What Are Cable Trays and How Do They Work?

Explore the hidden engineering behind cable tray systems, ensuring safety, thermal management, and accessibility in complex facilities.

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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 beams, such as those found on bridges.

MTK Product Catalogues | Pipe Clamps, Cable Trays, Ladders

Explore and download MTK Pipe Clamps product catalogues including pipe clamps, cable trays, cable ladders, trunkings, conduits, junction boxes, and fixing systems.

7 Best Cable Management Solutions for Office Desks

Tame your office desk chaos with the best cable management solutions—under-desk trays, retractable racks, and clamp-on nets that hide

Cable Tray Accessories | Hangers, Supports & Fittings

Shop cable tray accessories including hangers, elbows, covers, and supports. RS Philippines offers durable fittings for industrial cable management systems.

Direct Channel | UK's Strut Channel & Fastening Supplier

Direct Channel is the UK's trusted supplier of strut channel, brackets, cable containment, threaded rod, and industrial fixings.

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12 Best Under-Desk Cable Trays (March 2026) Clean Your Setup

I tested clamp-on models, permanent adhesive channels, and heavy-duty screw mounts to see which ones actually hold up under real weight. Let's look at the top contenders for fixing your

Inside Cable Fixing Bars, CAB | nVent HOFFMAN

The cable clamps CAC, are used to ensure that cables are securely fastened. Benefit: The cable bar together with cable clamps CAC, provide a safe and secure way of mechanically fixing cables inside

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Website: <https://www.sky-connect.co.za>

Email: info@sky-connect.co.za

Phone: +44 20 7946 0958

Address: 1 Cornhill, London EC3V 3ND, United Kingdom

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