

Drilling holes for cable tray bolts



Article Overview

Drill holes with a diameter of at least 7 mm in the tray rail and base, following recommended bolt placement for secure cable tray installation.

Step-by-Step Drilling Procedure

1. Identify Tray Type and Cut Sections Determine whether the cable tray is perforated or unperforated. For unperforated trays that have been cut, you must drill new holes for connectors, fittings, and joint bars to ensure proper assembly and load support .

2. Mark Drill Locations

- For side height 60 mm trays, use 4 screws per connector.
 - For tray widths of 300 mm, use 3 screws per joint plate.
 - For tray widths of 400 mm or more, a joint plate is required to prevent transverse bending .
3. Select Drill Bit Use a drill bit with a diameter of at least 7 mm for the tray rail and tray base . Ensure the drill bit is suitable for the tray material (typically steel or aluminum).

4. Drill the Holes

- Secure the tray to prevent movement.
 - Drill straight through the marked points on the tray rail and base.
 - Maintain perpendicular alignment to avoid misaligned bolt holes.
5. Install Joint Plates (if required)

- Place the joint plate centrally over the drilled joint area.
 - Fasten with FRS M6 truss-head bolts and combination nuts .
 - For tray widths up to 300 mm, joint plates are optional but recommended for added stability.
6. Edge Protection

- If no joint plates or bottom end plates are installed, attach an edge protection stri...

Article Content

HARDWARE MOUNTING HOLES BORING GUIDE FOR METAL RAILINGS

ADJUST-A-BODY® TENSIONER WITH THREADED BOLT Drill and tap holes as indicated below: 20ATB4 20ATB8

How to Safely Drill Through Floor Joists

You can safely drill joists for electrical and plumbing runs without weakening the joists, if you follow the rules. Where

INSTALLATION GUIDE

If holes have not been factory punched, then field drill 3/8" diameter holes (2), one on each side of the connector plate. These holes

Method Statement For Drilling Holes in Existing Steel ...

This document outlines the method statement for drilling holes in existing steel structures for cable tray supports at BGCS-3,

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If the system is outdoor and is supporting a sizable cable load, each section of cable tray may need to be securely attached to the

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

Master Cable Tray Installation: A Professional Step-by-Step Guide for ...

Learn how to install cable trays for large-scale projects with our professional, step-by-step guide covering industry

Cable Tray Installation

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

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Attaching a channel cable tray by using the method illustrated in Figure 3-88 maintains the electrical requirements, and the bolted

How to Safely Drill Wall Holes for Cable Management: A Complete Guide

Learn how to drill holes in your walls for cables the safe way! Our guide covers everything from cable management

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The document provides guidelines for installing cable trays and accessories. It outlines 15 steps for the installation process including

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Cable Tray Installation with Rawl Bolts& Drill Machine ...

Welcome to Engineerings.w!In this video, watch the complete process of installing a cable tray on site — from climbing the ladder,

5 Steps to Learn How to Install Cable Trays

Installing a cable tray system requires careful planning to ensure it can support the weight of the cables and adheres

Installation of Cable Tray, Trunking And Accessories

2. Purpose This method statement for the Installation of Cable Tray, Trunking, and Accessories shows and explains

CABLE TRAY

Splice plates should be placed on the outside of the cable tray, unless otherwise specified by the manufacturer, with the bolt heads

Cable Tray Ladder Trunking Wire Basket Installation Guidelines

Drilling Holes for splice plates must be drilled in field-cut cable trays. The most common method of locating the hole positions is to

Cable Tray & Trunking Installation Guide | PDF

It outlines several key steps: 1) Preparing by checking shop drawings and material levels; 2) Inspecting materials and storing

How to Install Cable Tray: A Comprehensive Guide to Different Cable ...

Welcome to our step-by-step guide on installing cable trays! In this video, we'll explore the

How to Drill Holes for Wires as Electricians

The concept is obviously simple, but as electricians, it's knowing the little tricks, like

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

Cable Tray & Trunking Installation Guide | PDF

The document provides a method statement for installing cable trays, trunking, and supports in concrete slabs and walls. It outlines

Cable Tray / Ladder Tray INSTALLATION PowerTray

) With mounting bar flush against bottom of tray, feed (2x) 1/4-20 pan head bolts upward thru clearance holes in mounting bar and

Best Fixing and Mounting Options for Cable Trays | CMW

Posted on: 30/04/2025 Regarding cable management, the fixing and mounting you choose for your cable trays can make or break

Cable Tray Installation Method Statement | PDF | Scaffolding | Drilling

The document provides guidelines for installing cable trays and accessories. It outlines 15 steps for the installation process including

Cable Tray / Trough Tray INSTALLATION

TRAY TO STRUT MOUNTING FIELD DRILL HARDWARE CLEARANCE HOLES FOR EACH SB-MHW INCLUDES: DESCRIPTION

Cable Tray Installation 211215 | PPTX

The document provides information about cable tray systems, including: - The six main types of cable trays: ladder, solid bottom,

Cable Bolt Installation SOP | PDF | Screw | Drilling

The document provides standard operating procedures for cable bolt installation at the Kencana Project mine. It details the purpose,

Heavy Duty Expansion Splice Plate Installation Guide

Instruction Sheet Heavy Duty Expansion Splice Plates 9A-6016 & 9A-6017 1/4 Span Patent Pending Serrated flange nuts:

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