

Connector Core Plate



Overview

Connector Plates | McMaster-Carr Choose from our selection of connector plates, including T-slotted framing structural brackets, T-slotted framing mounting.

Key Takeaways

A connector core plate is a metal or modular component used to join structural elements or secure electrical connections, providing strength, alignment, and reliable performance. Structural Connector Plates

In construction, connector plates are typically made from high-grade steel and are used to join wood or engineered truss components. They are designed to transfer tension and compression forces across joints, ensuring structural integrity. For example, Alpine's connector plates use Grade 40 or Grade 60 steel, with various gauges (18-20) to provide superior tension and compression values for splice joints and high-stress connections . Plates like the Wave Plate, H High-Strength Plate, and SS Super-Strength Plate are engineered for roller press compatibility and optimized tooth length to ensure secure attachment to lumber. Hinge plates allow truss chords to fold for transport and then be raised onsite, offering flexibility in construction .

Electrical and Modular Connector Plates



In electrical and networking applications, connector plates serve as mounting or termination points for modular connectors. For instance, RJ45 keystone modules for Cat5E, Cat6, and Cat6A cables are installed into snap-in connector plates, which provide proper alignment, shielding, and strain relief for cables . These plates can be flat or angled, with shuttered or unshuttered designs, and are compatible with tool-free IDC termination systems. The plates ensure that the core of the cable and foil shielding are properly terminated, maintaining signal integrity and reducing interference .

Key Features and Benefits

- **Material Strength:** Steel plates for structural use provide high tension and compression capacity, while modular plates for electrical use ensure secure and reliable connections.
- **Compatibility:** Structural plates are designed to match tooth lengths and roller press systems, while electrical plates accommodate standard keystone modules and cable types.
- **Flexibility:** Available in multiple sizes, gauges, and configurations to suit specific applications, including straight, angled, or adjustable designs .
- **Ease of Installation:** Many plates are designed for quick assembly, whether in truss production or network cabling, reducing labor and improving efficiency.

Applications

- **Construction:** Truss assembly, roof and floor systems, manufactured housing, and high-stress wood joints.
- **Electrical/Networking:** Wall outlets, patch panels, and structured cabling systems requiring secure termination and alignment of modular connectors. Connector core plates are essential components in both structural and electrical systems, providing strength, alignment, and reliable performance across a wide range of applications .

Article Content

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Choose from our selection of connector plates, including T-slotted framing structural brackets, T-slotted framing mounting brackets,

Connector Plates

Our connector plates offer the best balance between nail value and steel strength in the industry.

Core Connectors LLC

Our connectors make it easy to construct any type of structure! From post brackets to peak plates, we have stock

Truss Plates

The teeth of these connector plates are punched in pairs at right angles to securely connect the pieces of rafter trusses or floor

Connector Plates

Offers the highest performance levels in side-by-side comparison

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12 Pcs Mending Plate, 2.37 x 1.5 inch Stainless Steel Flat Plates with Holes, Straight Metal Mounting Braces Brackets Kit for

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In this category you will find all our connection plates. Whatever your project, we have the solution. You

Joining Plates | McMaster-Carr

Choose from our selection of joining plates, including T-slotted framing structural brackets, flat-surface brackets, and more. Same

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We offer a variety of simple, versatile plates for a wide range of wood-to-wood connections. These easy-to-use galvanized steel

Truss connector plates

Our truss connector plates are proven to be secure and versatile. With various size specifications, we have the tools perfect for every

Plates & Panels

Elite Core Rack Panels are available in a wide variety of configurations. Some of our 2U panels include a

Part 1: Basic Principles of Connectors

1.5.1 Contact Finish Electroplating The majority of connector contact finishes are applied by continuous electroplating of reels of

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Cable-Mount ConnectorsSKUDescriptionData Sheet NE8MXRJ45 cable connector carrier for pre-assembled RJ45 plugs consists of

Floor Pockets

50 Screws and Nuts Elite Core CSP Pack 50 Screws and Nuts for attaching D-Series Connectors to Wall Plates & Panels. M2.5-0.45

Connector Plates Selection Guide: Types, Features, Applications ...

Connector plates have integral teeth, are manufactured to various sizes and thicknesses, and are designed to laterally transmit loads

Truss connector plates

Truss connector plates Truss Connector Plates are used to connect the multiple pieces of a truss at the

Construction Connector

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Metal Connector Plates in Building Construction: Types and Uses

Metal connector plates serve as critical load-transfer components in building construction, linking structural members

Connector Basics You'll Want to Know

Part 2 focuses on the topic “Key Interconnection Points for Connectors: Cable Connection”. There are three main types of cable

4 in. x 4 in. Black Wood Post Connector Plate (24-Pack)

Product Details About This Product Created with ease-of-use in mind, the well-hidden and functional design of our steel post base

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Amazon : Coaxial Cable Connector Plate

1-16 of over 9,000 results for "coaxial cable connector plate" Results Check each product page for other buying options. Price and

HTP Tie Plate | Simpson Strong-Tie

HTP Tie Plate The HTP is designed to resist tension when installed on the side of 2x4 or larger members. This heavy tie plate is

Fiber Optic Connectors and Adapters

As a leading supplier of advanced fiber optic components, Molex has an extensive product offering that includes a full range of

How-to Install: The Wood Post Connector Plate (WPCP4B) | Nuvo Iron

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A Powerful Connection: Truss Connection Plate Info & Tips

How the Connector Plate Functions Beyond the triangular construction, the workhorse of every truss is the metal

Wood Construction Connectors

Wood construction connectors are specifically designed to provide support for applications in wood structural systems. These metal

Grounding Plate Sizing And Installation

Explore the importance of grounding plates for electrical safety and equipment protection. Learn more about their

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Roof Truss Metal Plates: A Comprehensive Guide to Connectors,

Roof truss metal plates are critical components in modern wood roof construction, providing precise connections that

Ground Plates | Copper | Burndy

Explore Burndy's Copper Ground Plates, offering single or dual cable connectors for reliable, long-lasting bonding and grounding

Plates & Panels

Elite Core Standard Wall Plates come in Single, Double, and Triple Gang sizes. Different configurations are available in black

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