

Angle Plate

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FURNITURE CONNECTORS AND KNOCK DOWN FITTINGS

Angle Plate is a knock-down furniture connector that joins panels for flat-pack and RTA furniture, giving a strong, tool-light joint with a consistent drilling pattern. It is available for OEM bulk supply with samples, datasheets, and installation drawings on request.

▮ Bulk Order Ready ✓ ISO 9001:2015 ▯ OEM/ODM Available ➤ [Installation Guide](#)

[Request Bulk Quote](#) [View Specifications](#)

Overview

Angle Plate is a knock-down furniture connector that joins panels for flat-pack and RTA furniture, giving a strong, tool-light joint with a consistent drilling pattern. The notes below cover construction, selection factors, sizes, materials, finishes, application fit, and installation for OEM production.

Industry Data

Use these product signals to compare fit, specification risk, and sourcing options before requesting samples or bulk pricing.

- **Panel Thickness:** 15-18 mm Confirm the exact value on the order datasheet before production.
- **Housing / Bore:** 15 mm cam housing Confirm the exact value on the order datasheet before production.
- **Bolt / Dowel Size:** 8 x 30 mm wooden dowel Confirm the exact value on the order datasheet before production.
- **Joint Type:** Bed rail joint Confirm the exact value on the order datasheet before production.
- **Material:** Zinc die-cast cam with steel bolt Confirm the exact value on the order datasheet before production.
- **Material options:** Stainless Steel, Carbon Steel, Zinc Alloy, Aluminum and Brass Choose material by strength, corrosion exposure, and target price.
- **Finish options:** Polished Brass, Flat Black, Brushed Nickel, Gray and Satin Nickel Confirm finish samples when color matching matters.
- **Application fit:** School Furniture, Hospital Furniture, Laboratory Furniture and Retail Display Fixtures Match the product to the furniture use case, not only to the part name.

Angle Plate

Key Specifications

Panel Thickness	15-18 mm
Housing / Bore	15 mm cam housing
Bolt / Dowel Size	8 x 30 mm wooden dowel
Joint Type	Bed rail joint
Material	Zinc die-cast cam with steel bolt
Assembly Tool	Pozi screwdriver

Specifications are configurable for OEM/ODM orders. Exact values are confirmed on the datasheet for your order.

How to Choose

- Knock-down (KD) assembly and whether it must be re-openable
- Cam lock + dowel systems vs bolt-and-barrel-nut joints
- Panel thickness and the matching drilling pattern
- Drilling diameter and depth for the cam housing and dowel
- Joint strength and how many times it will be assembled
- Flat-pack / RTA packaging and tool-free or single-tool assembly

Material Options

Zinc die-cast cams with steel bolts give strong, repeatable joints; nylon dowels and housings suit lighter RTA furniture. Metal cams handle repeated assembly better.

- [Stainless Steel Angle Plate](#)
- [Carbon Steel Angle Plate](#)
- [Zinc Alloy Angle Plate](#)
- [Aluminum Angle Plate](#)
- [Brass Angle Plate](#)
- [Copper Angle Plate](#)

Finish Options

Connectors are hidden, so zinc plating for corrosion resistance is the norm; nickel or brown housings can blend with panel edges where visible.

- [Polished Brass Angle Plate](#)
- [Flat Black Angle Plate](#)
- [Brushed Nickel Angle Plate](#)
- [Gray Angle Plate](#)
- [Satin Nickel Angle Plate](#)
- [Satin Brass Angle Plate](#)
- [Anodized Aluminum Angle Plate](#)
- [Zinc Plated Angle Plate](#)

Application Fit

[School Furniture](#)

For this application, angle plate is specified for the typical load, environment, and usage of this application.

[Hospital Furniture](#)

For this application, angle plate is specified for the typical load, environment, and usage of this application.

[Laboratory Furniture](#)

For this application, angle plate is specified for the typical load, environment, and usage of this application.

[Retail Display Fixtures](#)

For this application, angle plate is specified for the typical load, environment, and usage of this application.

[Commercial Display Cabinets](#)

For this application, angle plate is specified for the typical load, environment, and usage of this application.

[Store Fixtures](#)

For this application, angle plate is specified for the typical load, environment, and usage of this application.

Recommended for These Applications

- [Angle Plate for School Furniture](#)

Installation Notes

Bore the cam housing and dowel holes to the system pattern, press in the dowels, insert the cam bolt, drop the cam, and turn a quarter-to-half turn to draw the joint tight. Drilling accuracy is what makes the joint flush.

Animated Installation Guide

Step-by-step SVG diagrams for installing Angle Plate on a production line.

Open the installation guide →

Buying Notes for OEM Orders

For flat-pack and RTA production, standardize one cam system and drilling pattern across SKUs, and supply pre-counted hardware packs per carton.

Comparisons

- [Confirmat Screws vs Cam Lock Connectors](#)
- [Cam Lock Connectors vs Minifix Connectors](#)

Related Questions

These questions are pulled into the product page as visible Q&A content, not only as plain FAQ links.

What is Furniture Connectors and Knock Down Fittings?

Furniture Connectors and Knock Down Fittings joins panels for flat-pack and RTA furniture, giving a strong, tool-light joint with a consistent drilling pattern. Cam-and-dowel systems are the most common.

[Read the full Furniture Connector FAQ →](#)

What is Cam Lock Connector?

Cam Lock Connector joins panels for flat-pack and RTA furniture, giving a strong, tool-light joint with a consistent drilling pattern. Cam-and-dowel systems are the most common.

[Read the full Cam Lock Connector FAQ →](#)

Request Bulk Pricing

Send your specification, target market, and order volume. Our engineers reply with pricing, samples, and datasheets — usually within one business day.

Request a Quote

Tell us your project requirement. Our engineers reply within one business day with bulk pricing, datasheets, and installation drawings.