

Panel Connector

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FURNITURE CONNECTORS AND KNOCK DOWN FITTINGS

Panel Connector 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

Panel Connector 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. This page summarizes how to specify it for volume furniture and cabinet manufacturing, including the dimensions and options that matter most to buyers.

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:** 20 mm cam housing Confirm the exact value on the order datasheet before production.
- **Bolt / Dowel Size:** 10 x 40 mm dowel Confirm the exact value on the order datasheet before production.
- **Joint Type:** Shelf-to-side panel joint Confirm the exact value on the order datasheet before production.
- **Material:** Beech wood dowel 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:** White, Satin Brass, Galvanized, Champagne Bronze and Gold Confirm finish samples when color matching matters.
- **Application fit:** Marine Furniture, Flat Pack Furniture, RTA Furniture and Custom Cabinets Match the product to the furniture use case, not only to the part name.

Panel Connector

Key Specifications

Panel Thickness	15-18 mm
Housing / Bore	20 mm cam housing
Bolt / Dowel Size	10 x 40 mm dowel
Joint Type	Shelf-to-side panel joint
Material	Beech wood dowel
Assembly Tool	Press-fit plus screw fixing

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 Panel Connector](#)
- [Carbon Steel Panel Connector](#)
- [Zinc Alloy Panel Connector](#)
- [Aluminum Panel Connector](#)
- [Brass Panel Connector](#)
- [Copper Panel Connector](#)

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.

- [White Panel Connector](#)
- [Satin Brass Panel Connector](#)
- [Galvanized Panel Connector](#)
- [Champagne Bronze Panel Connector](#)
- [Gold Panel Connector](#)
- [Satin Chrome Panel Connector](#)
- [Bronze Panel Connector](#)
- [Copper Panel Connector](#)

Application Fit

[Marine Furniture](#)

For this application, panel connector is specified for the typical load, environment, and usage of this application.

[Flat Pack Furniture](#)

For this application, panel connector is specified for knock-down assembly, repeatable installation, and packaging efficiency.

[RTA Furniture](#)

For this application, panel connector is specified for tool-light assembly and consistent drilling patterns.

[Custom Cabinets](#)

For this application, panel connector is specified for the typical load, environment, and usage of this application.

[Woodworking Projects](#)

For this application, panel connector is specified for the typical load, environment, and usage of this application.

[MDF Cabinets](#)

For this application, panel connector is specified for the typical load, environment, and usage of this application.

Recommended for These Applications

- [Panel Connector for Marine 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 Panel Connector 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.