

Plastic Dowel

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FURNITURE CONNECTORS AND KNOCK DOWN FITTINGS

Plastic Dowel 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

Plastic Dowel 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.

- **Thread / Diameter:** M4 Confirm the exact value on the order datasheet before production.
- **Length:** 70 mm Confirm the exact value on the order datasheet before production.
- **Head / Drive:** Countersunk head Confirm the exact value on the order datasheet before production.
- **Pilot Hole:** No pilot in softwood, pilot required in MDF Confirm the exact value on the order datasheet before production.
- **Recommended Panel:** MDF and particle board 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 Stainless Steel, Satin Brass, Galvanized, Satin Chrome and Polished Brass Confirm finish samples when color matching matters.
- **Application fit:** RV and Camper Furniture, Truck and Tool Storage, Face Frame Cabinets and Frameless Cabinets Match the product to the furniture use case, not only to the part name.

Plastic Dowel

Key Specifications

Thread / Diameter	M4
Length	70 mm
Head / Drive	Countersunk head
Pilot Hole	No pilot in softwood, pilot required in MDF
Recommended Panel	MDF and particle board
Finish / Coating	Stainless steel
Packaging	Pre-counted hardware pack

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 Plastic Dowel](#)
- [Carbon Steel Plastic Dowel](#)
- [Zinc Alloy Plastic Dowel](#)
- [Aluminum Plastic Dowel](#)
- [Brass Plastic Dowel](#)
- [Copper Plastic Dowel](#)

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 Stainless Steel Plastic Dowel](#)
- [Satin Brass Plastic Dowel](#)
- [Galvanized Plastic Dowel](#)
- [Satin Chrome Plastic Dowel](#)
- [Polished Brass Plastic Dowel](#)
- [Aged Brass Plastic Dowel](#)
- [Gold Plastic Dowel](#)
- [Brushed Nickel Plastic Dowel](#)

Application Fit

[RV and Camper Furniture](#)

For this application, plastic dowel is specified for the typical load, environment, and usage of this application.

[Truck and Tool Storage](#)

For this application, plastic dowel is specified for the typical load, environment, and usage of this application.

[Face Frame Cabinets](#)

For this application, plastic dowel is specified for the typical load, environment, and usage of this application.

[Frameless Cabinets](#)

For this application, plastic dowel is specified for the typical load, environment, and usage of this application.

[Kitchen Cabinets](#)

For this application, plastic dowel is specified for daily use, soft-close motion, moisture resistance, and fast, repeatable installation on the line.

[Bathroom Vanities](#)

For this application, plastic dowel is specified for humidity and corrosion resistance, compact drawers, and easy maintenance.

Recommended for These Applications

- [Plastic Dowel for RV and Camper 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 Plastic Dowel 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.