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› Luomorgo Furniture Cabinet Fixing Screw Locking Bolt Fitting User Manual

## Luomorgo B07CMZH899

# Luomorgo Furniture Cabinet Fixing Screw Locking Bolt Fitting User Manual

Brand: Luomorgo | Model: B07CMZH899

## 1. PRODUCT OVERVIEW

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The Luomorgo Furniture Cabinet Fixing Screw Locking Bolt Fittings are designed to provide steady and secure connections for various types of panel furniture. This package includes 30 sets of cam fittings and dowels, essential components for assembling and repairing flat-pack furniture, kitchen cabinets, wardrobes, and other similar items. These metal fasteners are engineered for durability and ease of use in furniture assembly applications.



Figure 1.1: Luomorgo Furniture Cabinet Fixing Screw Locking Bolt Fittings (30pcs set). This image displays the complete set of cam fittings and dowel screws included in the package, showing their metallic finish and design.

## 2. PRODUCT SPECIFICATIONS

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Detailed specifications for the Luomorgo Furniture Cabinet Fixing Screw Locking Bolt Fittings are provided below:

- **Package Content:** 30 pieces of Cam Fittings, 30 pieces of Dowel Screws
- **Material:** Metal
- **Cam Fitting Size:** 14.5 mm (0.57 inches) Diameter x 11.5 mm (0.45 inches) Height
- **Dowel Screw Length:** 45 mm (1.77 inches)
- **Dowel Screw Thread Diameter:** 6 mm (0.24 inches)
- **Head Style:** Flat
- **Point Style:** Flat Point
- **Package Dimensions:** 4.72 x 3.27 x 1.1 inches
- **Package Weight:** Approximately 13.76 ounces
- **Manufacturer:** Foshan Nanhai District Guang-FO Hardware City Exhibition Center 2 building

- **Date First Available:** April 25, 2018



Figure 2.1: Dimensional specifications of the cam fitting and dowel screw. This diagram illustrates the exact measurements of each component, crucial for proper installation.

### 3. SETUP AND INSTALLATION

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These fittings are designed for connecting furniture panels. Proper installation requires pre-drilled holes in the furniture components. Ensure all holes are accurately sized and aligned for a secure fit.

#### 3.1 Required Tools (Not Included)

- Drill
- Drill bits appropriate for wood and the dowel screw thread diameter (6mm / 0.24 inches)
- Phillips head screwdriver (for cam fitting)
- Measuring tape or ruler
- Pencil for marking

#### 3.2 Installation Steps

1. **Prepare Panels:** Identify the panels to be joined. Mark the precise locations for drilling holes for both the dowel screws and the cam fittings.
2. **Drill Holes for Dowel Screws:** Using an appropriate drill bit (e.g., 6mm or 0.24 inches), drill pilot holes into the edge of one panel where the dowel screws will be inserted. Ensure the depth is sufficient for the 45mm dowel screw length, but do not drill through the panel.
3. **Insert Dowel Screws:** Screw the dowel screws into the pre-drilled holes in the first panel. The self-tapping thread will secure them. Ensure they are screwed in straight and fully seated.
4. **Prepare Holes for Cam Fittings:** On the second panel, drill larger holes (approximately 14.5mm / 0.57 inches diameter and 11.5mm / 0.45 inches deep) on the surface that will meet the first panel. These holes should align perfectly with the dowel screws protruding from the first panel.
5. **Align Panels:** Carefully align the two panels so that the dowel screws from the first panel slide into the larger holes on the second panel. The cam fittings will then be inserted into these larger holes, engaging with the dowel screws.
6. **Insert Cam Fittings:** Place the cam fittings into the larger holes on the second panel. Ensure the arrow or indicator on the cam fitting points towards the dowel screw head.
7. **Lock the Connection:** Using a Phillips head screwdriver, turn the cam fitting clockwise. As you turn, the cam mechanism inside will grip the head of the dowel screw, pulling the two panels tightly together. Turn until the connection feels secure and the panels are flush. Do not overtighten.





Figure 3.1: Components of the fixing system (left) and assembled units (right). These images illustrate the individual parts and how they appear when correctly joined.

#### 4. FUNCTIONALITY AND USAGE

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Once installed, the Luomorgo Furniture Cabinet Fixing Screw Locking Bolt Fittings provide a strong and stable connection for various furniture types. They are commonly used in:

- Flat-pack furniture assembly
- Kitchen cabinets
- Wardrobes and cupboards
- Bookcases and shelving units
- Office furniture
- Bed frames

The design allows for a secure joint that can withstand typical pressures encountered in furniture use, ensuring the longevity and stability of assembled pieces.

# Scope of application



cupboard



furniture



wardrobe



bookcase

Figure 4.1: Scope of application for the fixing screws. This image demonstrates various furniture types where these cam lock fittings are effectively utilized for assembly.

## 5. MAINTENANCE

These metal fittings require minimal maintenance. To ensure their continued performance and longevity:

- **Keep Dry:** Avoid prolonged exposure to moisture or high humidity, which can lead to corrosion of metal components.
- **Check Tightness:** Periodically inspect assembled furniture for any signs of loosening. If a joint feels wobbly, gently retighten the cam fitting with a Phillips head screwdriver until secure. Do not overtighten.
- **Clean:** If necessary, wipe the fittings with a dry, soft cloth to remove dust or debris. Avoid abrasive cleaners.

## 6. TROUBLESHOOTING

If you encounter issues during or after installation, consider the following:

- **Panels Not Joining Tightly:**
  - Ensure the dowel screws are fully inserted and straight.
  - Verify that the cam fittings are turned completely clockwise to engage the dowel screw head.

- Check if the drilled holes for the cam fittings are deep enough (11.5mm / 0.45 inches).
- **Dowel Screw Not Entering Cam Hole:**
  - Confirm that the holes on both panels are perfectly aligned. Misalignment is a common cause.
  - Ensure the dowel screw is not bent or damaged.
- **Cam Fitting Difficult to Turn:**
  - The dowel screw head might not be properly seated within the cam fitting's mechanism. Re-align and try again.
  - Ensure the cam fitting hole is clean and free of debris.
- **Loose Connection After Assembly:**
  - Retighten the cam fittings.
  - If the issue persists, the holes might be oversized, or the wood may be stripped. In such cases, consider using wood filler or replacing the panel if possible.

## 7. WARRANTY INFORMATION

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Specific warranty details for the Luomorgo Furniture Cabinet Fixing Screw Locking Bolt Fittings are not provided in the product information. For any warranty-related inquiries, please contact the manufacturer, Foshan Nanhai District Guang-FO Hardware City Exhibition Center 2 building, or the seller directly.

## 8. CUSTOMER SUPPORT

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Should you require further assistance or have questions regarding the Luomorgo Furniture Cabinet Fixing Screw Locking Bolt Fittings, please reach out to the seller or manufacturer. Refer to your purchase documentation for contact information.

For general inquiries, you may also visit the [Luomorgo brand page on Amazon](#).