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› **Eccentric Wheel Connector, Fine Workmanship 3 in 1 Connecting Set Standard Size for Furniture Panel Installation (12mm Eccentric Wheel) - Instruction Manual**

Huleo Huleoyhas59gq3o-11

Huleo Eccentric Wheel Connector Instruction Manual

Model: Huleoyhas59gq3o-11

1. INTRODUCTION

This manual provides detailed instructions for the proper use, installation, and maintenance of the Huleo Eccentric Wheel Connector set. Please read this manual thoroughly before beginning any installation to ensure safe and correct assembly.

2. PRODUCT OVERVIEW

The Huleo Eccentric Wheel Connector set is a 3-in-1 connecting system designed for the installation of various furniture boards. It includes connectors, eccentric wheels, and wooden pins, providing a convenient and practical solution for furniture assembly.

2.1 Key Features:

- Aluminum Alloy Components:** Eccentric cam and mounting pin are made of rust and corrosion-resistant aluminum alloy for long-term use.
- Complete Set:** Includes connectors, eccentric wheels, and wooden pins for comprehensive assembly.
- Wide Application:** Suitable for wardrobes, cabinets, bookshelves, drawers, and other office furniture.
- Standard Size:** Fine workmanship ensures standard sizes for stable and reliable connections.
- Fine Processing:** Precise spiral thread and waterproof, heat-resistant polyethylene embedded parts.

2.2 Package Contents:

The package typically includes the following components. Please verify all parts are present upon opening.

- Connectors (30 or 29 pieces)
- Eccentric Wheels (30 or 29 pieces)
- Wooden Pins (64 or 63 pieces)
- Storage Box (2 pieces)



Image 2.1: Overview of the Huleo Eccentric Wheel Connector set components, including connectors, eccentric wheels, and wooden pins, neatly arranged.



Image 2.2: The Huleo Eccentric Wheel Connector set displayed against a blurred background of modern kitchen cabinets, illustrating its intended application in furniture assembly.

3. SAFETY INFORMATION

Please observe the following safety precautions to prevent injury or damage to the product and furniture:

- Always wear appropriate personal protective equipment (PPE) such as gloves and eye protection during installation.
- Keep small parts away from children to prevent choking hazards.
- Ensure the furniture panel thickness is at least 16mm (0.6 inches) for proper installation.
- Do not overtighten screws, as this may damage the furniture board or the connectors.
- If you encounter any difficulties or uncertainties during installation, consult a professional.

4. SETUP AND INSTALLATION

This section outlines the general steps for installing the eccentric wheel connectors. Specific furniture designs may require

slight variations.

4.1 Required Tools (Not Included):

- Drill
- Drill bits (appropriate sizes for connectors and wooden pins)
- Screwdriver (Phillips head recommended)
- Measuring tape or ruler
- Pencil

4.2 Installation Steps:

1. **Prepare Panels:** Ensure all furniture panels are cut to the correct dimensions and have a thickness of at least 16mm.
2. **Mark Drilling Points:** Carefully measure and mark the precise drilling points on the edges and faces of the panels where the connectors, eccentric wheels, and wooden pins will be inserted. Refer to your furniture's specific assembly diagram for exact locations.
3. **Drill Holes for Connectors:** Drill pilot holes for the connectors into the edge of one panel. These holes should be deep enough to fully accommodate the threaded portion of the connector.
4. **Drill Holes for Eccentric Wheels:** Drill larger holes on the face of the perpendicular panel, aligning with the connector holes. These holes will house the eccentric wheels.
5. **Drill Holes for Wooden Pins:** Drill holes for the wooden pins on both panels, ensuring they align perfectly when the panels are joined. These pins provide additional stability and alignment.
6. **Insert Connectors:** Screw the connectors into the pre-drilled holes on the edge of the first panel until they are secure.
7. **Insert Wooden Pins:** Gently tap the wooden pins into their respective holes on one of the panels.
8. **Join Panels:** Align the panel with the inserted connectors and wooden pins with the panel containing the eccentric wheel holes and wooden pin holes. Carefully push the panels together, ensuring the connectors pass through the eccentric wheel holes and the wooden pins align.
9. **Insert Eccentric Wheels:** Place the eccentric wheels into their designated holes on the face of the panel.
10. **Tighten Eccentric Wheels:** Using a screwdriver, rotate the eccentric wheels clockwise. This action will pull the connector head, securely locking the two panels together. Tighten until snug, but do not overtighten.



Image 4.1: A close-up view of the individual components, including the eccentric wheels, connectors, and wooden pins, highlighting their design for precise furniture assembly.



Image 4.2: A detailed shot focusing on the eccentric wheel and its corresponding connector, illustrating how they interlock to create a strong joint in furniture panels.

5. OPERATING PRINCIPLES

The Huleo Eccentric Wheel Connector system operates on a simple cam-locking principle. Once the connector is screwed into one panel and the eccentric wheel is placed in the corresponding hole of the joining panel, rotating the eccentric wheel causes its off-center hole to pull the head of the connector. This action draws the two panels tightly together, creating a strong and stable joint. The wooden pins provide additional shear strength and ensure precise alignment during assembly.

6. MAINTENANCE

The Huleo Eccentric Wheel Connectors are designed for durability and require minimal maintenance.

- **Regular Checks:** Periodically inspect assembled furniture for any signs of loosening joints. If a joint feels loose,

gently retighten the eccentric wheel with a screwdriver.

- Cleaning:** If components become dirty before assembly, wipe them with a dry, clean cloth. Avoid using harsh chemicals that could damage the galvanizing or plastic parts.
- Storage:** Store unused connectors, eccentric wheels, and wooden pins in the provided storage boxes in a dry environment to prevent rust or damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Joints are loose after assembly.	Eccentric wheels not fully tightened.	Ensure eccentric wheels are rotated clockwise until snug. Do not overtighten.
Panels do not align properly.	Incorrect drilling points or hole sizes. Wooden pins not aligned.	Double-check measurements and drilling accuracy. Ensure wooden pins are inserted correctly.
Connector does not fit into the eccentric wheel hole.	Hole for eccentric wheel is too small or misaligned.	Verify the drill bit size and ensure the hole is centered and large enough for the eccentric wheel to sit flush.
Difficulty screwing in connectors.	Pilot hole is too small or not deep enough.	Ensure the pilot hole is the correct diameter and depth for the connector's thread.

8. SPECIFICATIONS

Attribute	Detail
Product Name	Eccentric Wheel Connector, 3 in 1 Connecting Set
Brand	Huleo
Model Number	Huleoyhas59gq3o-11
Material	Iron, Plastic, Wood (Eccentric cam and mounting pin: Aluminum Alloy)
Surface Treatment	Galvanizing
Installation Requirement	Plate Thickness \geq 16mm / 0.6in
Applicable Scene	Wardrobe, cabinet, bookshelf, various drawers, office furniture, etc.
Package Dimensions	8.66 x 3.54 x 2.76 inches
Country of Origin	China

9. WARRANTY INFORMATION

This product is covered by a standard return policy. For specific details regarding warranty claims, returns, or replacements, please refer to the purchase platform's return policy or contact the seller directly. The typical return policy duration is 30 days from the date of purchase for refund or replacement.

10. CUSTOMER SUPPORT

For any questions, technical assistance, or support regarding your Huleo Eccentric Wheel Connector set, please contact

the seller, Hongsai, through the Amazon platform. You can find their contact information on the product's listing page or your order details.

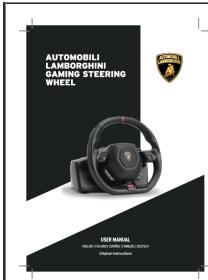
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User Manual

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Carefully read the instructions provided in this manual before installing the product, before any use of the product and before any maintenance. Be sure to follow the safety instructions. Failure to follow these instructions may result in accidents and/or damage. Keep this manual so that you can refer to the instructions in the future.

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