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› MAD OWL Lighting Truss Swivel Coupler (Model JH008) Instruction Manual

MAD OWL JH008

MAD OWL Lighting Truss Swivel Coupler

Model: JH008

1. PRODUCT OVERVIEW

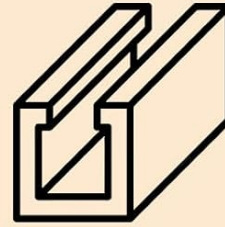
The MAD OWL Lighting Truss Swivel Coupler (Model JH008) is a high-strength aluminum alloy clamp designed for securely attaching lighting fixtures and other equipment to trusses and pipes. Its dual-head O-clamp design allows for quick release and 360-degree rotation, providing flexibility in positioning. This coupler is engineered for professional lighting applications, ensuring stability and safety.



Figure 1: MAD OWL Lighting Truss Swivel Coupler (Model JH008).



Quick Installation



Aluminum
alloy material

Double-twisted lamp hook

Figure 2: Features highlighting quick installation and the durable aluminum alloy material of the double-twisted lamp hook.

2. SPECIFICATIONS

Feature	Detail
Model Number	JH008
Brand	MAD OWL
Material	High-strength Aluminum Alloy
Fit Pipe Diameter	40-52mm (1.57-2.05 inches)
Tensile Strength	Approximately 330.69 Pounds (150 kg)
Rotation	360-degree swivel

Color

Silver (as shown)

Scope of clamped circular tube: 40-52mm

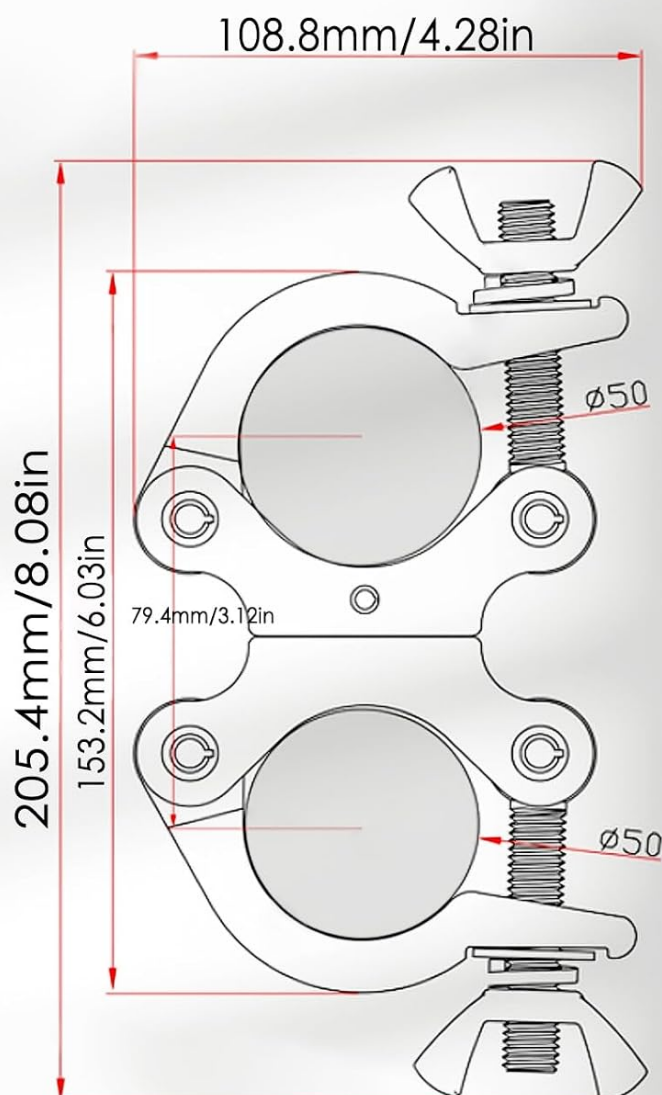
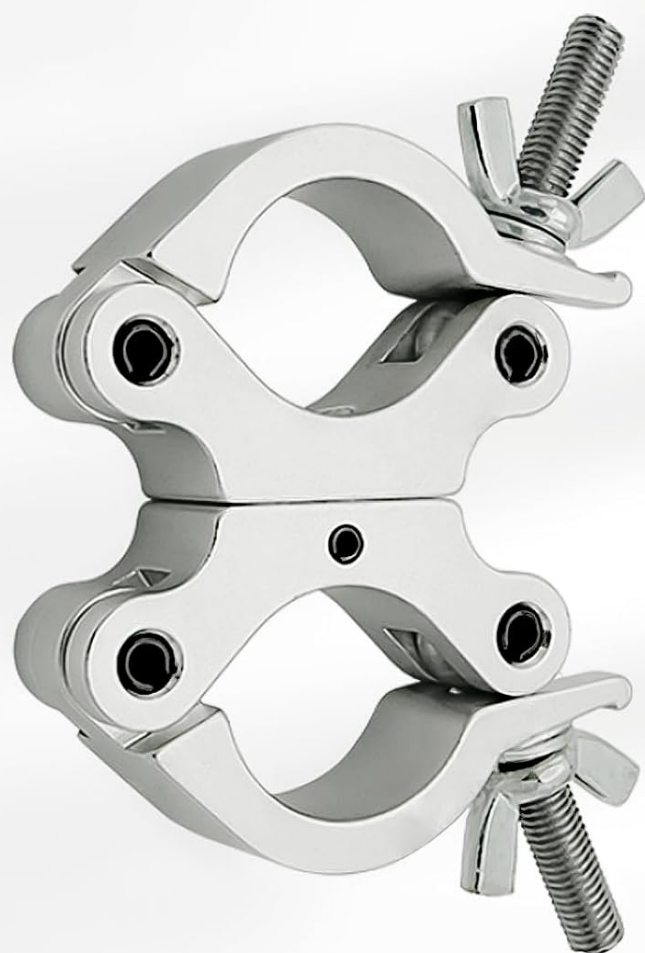


Figure 3: Detailed dimensions of the MAD OWL Swivel Coupler, showing a clamped circular tube scope of 40-52mm.

Scene Application Effect Picture

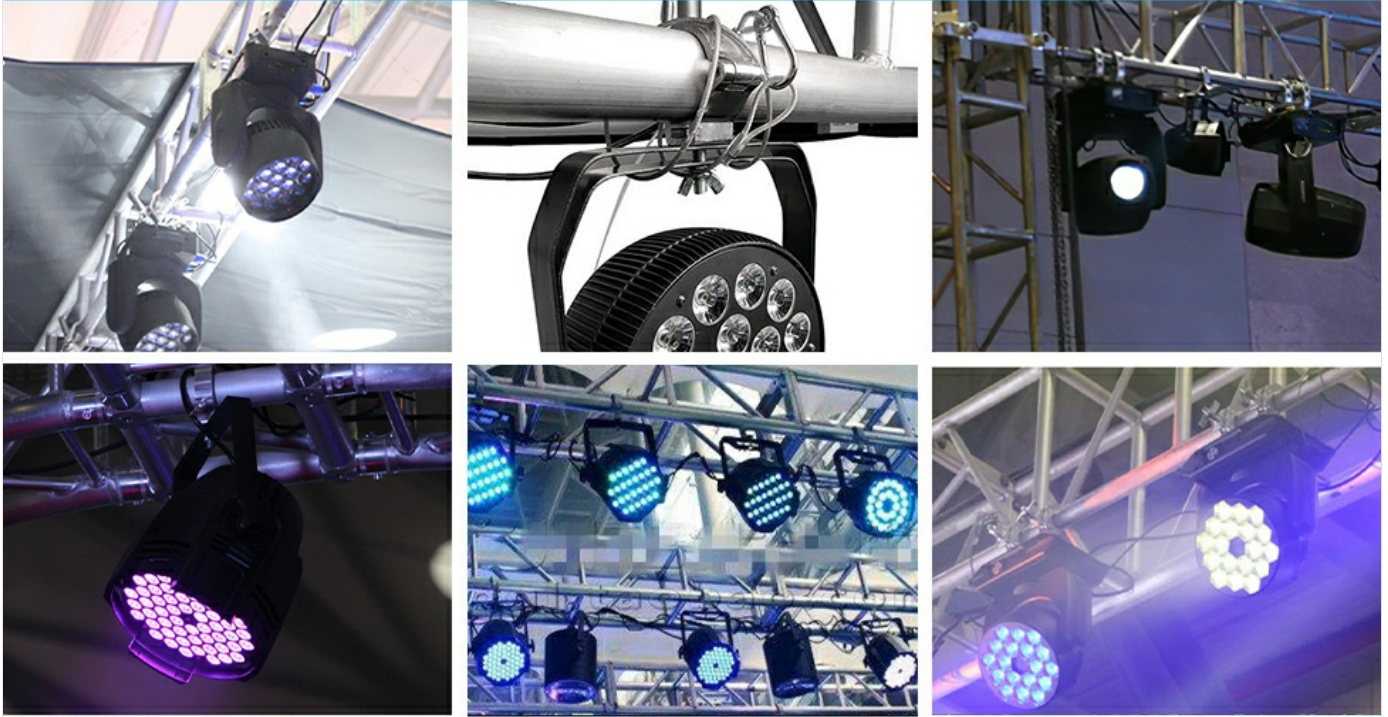
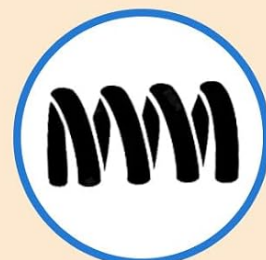


Figure 4: Illustration of fit pipe diameter (40-52mm) and maximum load capacity (150KG).

3. SETUP & INSTALLATION

The MAD OWL Swivel Coupler is designed for quick and secure installation on various truss and pipe structures. Follow these steps for proper setup:

1. **Identify Mounting Location:** Choose a stable and appropriate location on your truss, cross brace, bar, or pole where the lighting fixture or equipment needs to be mounted. Ensure the pipe diameter is within the coupler's specified range of 40-52mm.
2. **Open the Clamps:** Loosen the wing nuts on both O-clamps to open them sufficiently to fit around the pipe.
3. **Position the Coupler:** Place each O-clamp around the desired pipe. The coupler's dual-head design allows it to connect two pipes or a single pipe with a fixture.
4. **Secure the Clamps:** Tighten the wing nuts on both O-clamps firmly by hand. The anti-slip hook and friction rings are designed to enhance grip. Ensure the clamps are snug and do not move freely.
5. **Attach Fixture (if applicable):** If attaching a lighting fixture, use the appropriate mounting hardware to secure it to the coupler's attachment points.
6. **Verify Stability:** Before applying any load, double-check that all wing nuts are fully tightened and the coupler is stable and secure on the pipe. Gently test the connection to ensure it can bear the intended weight.



Long Screw



Stable

The professional stage's top choice

Figure 5: The coupler installed on a pipe, demonstrating the long screw and stable connection.



Figure 6: Close-up of the coupler's detailed design, highlighting the hollow connection, anti-slip hook, and friction rings for secure attachment.

4. OPERATION

The primary function of the MAD OWL Swivel Coupler is to provide a secure and adjustable mounting point for stage lighting and other equipment. Once installed, its 360-degree swivel capability allows for precise positioning.

- **Adjusting Swivel Angle:** The two O-clamps are connected by a central swivel mechanism. To adjust the angle of the attached equipment, slightly loosen the central bolt that connects the two halves of the coupler. Adjust to the desired angle, then re-tighten the central bolt firmly to lock the position.
- **Load Capacity:** Ensure that the total weight of the attached equipment does not exceed the coupler's maximum tensile strength of 330.69 pounds (150 kg). Overloading can lead to equipment failure and safety hazards.
- **Applications:** This coupler is suitable for various applications including stage lighting trusses, Rayya frameworks, and round tube scaffolding, offering versatility in setup.

360 ° ROTATION



Figure 7: Visual representation of the coupler's 360-degree rotation capability, allowing for flexible positioning.



**Widely
applicable**

Figure 8: Examples of the coupler's wide applicability, including stage lighting trusses, Rayya frameworks, and round tube scaffolding.

5. MAINTENANCE

Proper maintenance ensures the longevity and safe operation of your MAD OWL Swivel Coupler.

- **Regular Inspection:** Periodically inspect the coupler for any signs of wear, damage, cracks, or deformation. Check the integrity of the wing nuts, bolts, and the swivel mechanism.
- **Cleaning:** Clean the coupler with a soft, dry cloth. For stubborn dirt, a damp cloth with mild soap can be used, followed by thorough drying. Avoid abrasive cleaners or solvents that could damage the aluminum finish.
- **Lubrication:** The swivel mechanism may benefit from occasional light lubrication with a silicone-based spray to maintain smooth rotation, especially if used in dusty or outdoor environments.
- **Storage:** When not in use, store the coupler in a clean, dry environment to prevent corrosion and damage.
- **Replacement:** If any part of the coupler shows significant wear or damage, replace the unit immediately to ensure safety. Do not attempt to repair damaged components that affect structural integrity.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with the swivel coupler.

- **Issue: Difficulty tightening the swivel bolt.**

Solution: The central swivel bolt needs to be tightened securely to prevent unwanted rotation. If hand-tightening is insufficient, a wrench or pliers may be used carefully to ensure a firm grip. Ensure the bolt is not cross-threaded and that the components are aligned correctly before tightening.

- **Issue: Coupler slips on the pipe.**

Solution: Ensure the pipe diameter is within the specified 40-52mm range. Fully tighten the wing nuts on both O-clamps. The anti-slip hook and friction rings are designed to provide a secure grip; ensure they are properly engaged. If slipping persists, inspect the pipe and coupler for any debris or damage that might prevent a secure connection.

- **Issue: Swivel mechanism feels stiff.**

Solution: Loosen the central swivel bolt slightly. Clean any dirt or debris from the swivel joint. Apply a small amount of silicone-based lubricant to the moving parts of the swivel mechanism. Then, re-tighten the bolt to the desired tension.

7. WARRANTY & SUPPORT

For warranty information, technical support, or any product-related inquiries, please contact MAD OWL customer service through the retailer where the product was purchased or visit the official MAD OWL brand store online. Keep your purchase receipt as proof of purchase for warranty claims.

Manufacturer: WecanLight

Brand Store: [MAD OWL Store on Amazon](#)

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question