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› uxcell 10mm x 25mm Flat Head Zinc-Plating Steel Single Hole Clevis Pins Instruction Manual

uxcell a18112500ux0277

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Model: a18112500ux0277

1. PRODUCT OVERVIEW

The uxcell Single Hole Clevis Pins are designed for secure fastening in various applications. These pins feature a flat head and a single hole for cotter pin insertion, ensuring a reliable connection. Manufactured from zinc-plating steel, they offer durability and resistance to corrosion.



Figure 1: uxcell 10mm x 25mm Flat Head Zinc-Plating Steel Single Hole Clevis Pins (10 Pcs)

Key Features:

- **Dimensions:** 10mm (0.39 inch) diameter and 25mm (0.98 inch) length.
- **Design:** Flat head with a single hole for cotter pin.
- **Material:** Zinc-Plating Steel for enhanced durability and corrosion resistance.
- **Surface:** Smooth finish, providing rust and corrosion resistance.
- **Versatility:** Suitable for machinery manufacturing, industrial applications, furniture assembly, and small DIY projects.

2. PRODUCT SPECIFICATIONS

Detailed specifications for the uxcell 10mm x 25mm Flat Head Zinc-Plating Steel Single Hole Clevis Pins are provided below:



Figure 2: Dimensional drawing of the clevis pin, showing diameter, length, head diameter, and hole diameter.

Specification	Value
Clevis Pin Diameter	10mm / 0.39 inch
Clevis Pin Length	25mm / 0.98 inch
Head Diameter	14mm / 0.55 inch
Hole Diameter	3.5mm / 0.137 inch
Total Size (L*D)	29mm x 14mm / 1.14 inch x 0.55 inch
Color	Silver Tone
Material	Zinc-Plating Steel (Alloy Steel, zinc plated)
Number of Pieces	10
Item Weight	172g (6.4 ounces)
Finish Type	Glossy
Measurement System	Inch, Metric

Specification	Value
Model Number	a18112500ux0277

3. SETUP AND INSTALLATION

Proper setup ensures the secure and effective use of clevis pins. Follow these guidelines for installation:

- 1. Identify Application:** Determine the specific components or parts that require fastening. Ensure the clevis pin's dimensions (diameter and length) are compatible with the holes in the components.
- 2. Prepare Components:** Clean the holes in the components to remove any debris, rust, or burrs that might obstruct the pin's insertion.
- 3. Align Holes:** Carefully align the holes of the components to be joined.
- 4. Insert Clevis Pin:** Insert the flat head clevis pin through the aligned holes. Ensure the pin passes completely through all components.
- 5. Secure with Cotter Pin:** Once the clevis pin is in place, insert a suitable cotter pin (not included) through the single hole at the end of the clevis pin. Bend the ends of the cotter pin to secure it, preventing the clevis pin from dislodging.



Figure 3: Examples of clevis pin applications in industrial settings and home projects.

4. OPERATING GUIDELINES

Clevis pins are passive fastening components. Their operation primarily involves ensuring they remain securely in place during the function of the assembled parts.

- **Regular Inspection:** Periodically inspect the clevis pin and its cotter pin for any signs of wear, bending, or corrosion, especially in high-stress or outdoor applications.
- **Load Bearing:** Ensure the clevis pin is not subjected to loads exceeding its design capacity. While robust, extreme forces can lead to failure.
- **Movement:** If the assembly involves rotational or pivoting movement around the clevis pin, ensure there is no excessive friction or binding that could accelerate wear.



Figure 4: A worker inspecting machinery where clevis pins might be used for secure connections.

5. MAINTENANCE

To ensure the longevity and reliable performance of your uxcell clevis pins, follow these maintenance recommendations:

- **Cleaning:** Keep the pins clean from dirt, grime, and corrosive substances. A simple wipe-down with a cloth is usually sufficient.
- **Lubrication:** For applications involving frequent movement or exposure to moisture, a light application of grease or oil can help reduce wear and prevent rust.
- **Storage:** Store unused clevis pins in a dry environment to prevent corrosion. The zinc-plating provides good protection, but prolonged exposure to humidity can still cause issues.
- **Replacement:** Replace any clevis pins that show signs of significant wear, bending, cracking, or severe corrosion to maintain structural integrity.

6. TROUBLESHOOTING

While clevis pins are simple components, minor issues can arise. Here are some common problems and their solutions:

Problem	Possible Cause	Solution
Pin does not fit through holes.	Incorrect pin size; holes are obstructed or misaligned; burrs on pin or holes.	Verify pin and hole dimensions. Clean holes. Remove burrs from pin or holes with a file. Realign components.
Pin is difficult to insert or remove.	Minor misalignment; rust or debris in holes; slight bending of pin.	Ensure proper alignment. Clean and lubricate holes. Replace bent pins.
Pin appears loose after installation.	Incorrect pin length; cotter pin not properly secured; excessive wear on pin or holes.	Ensure correct pin length for the application. Secure cotter pin properly by bending its ends. Replace worn components.
Signs of rust or corrosion.	Exposure to moisture or harsh chemicals; damaged zinc-plating.	Clean and apply rust-inhibiting lubricant. For severe corrosion, replace the pin. Store in a dry environment.

7. WARRANTY AND SUPPORT

uxcell products are manufactured to high-quality standards. While specific warranty details are not provided in this manual, customers are encouraged to retain their proof of purchase.

- For product inquiries, technical assistance, or to report any issues, please contact uxcell customer support through the retailer where the product was purchased or visit the official uxcell website.
- Always refer to the product packaging or the point of purchase for the most current warranty information and support contacts.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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