

RIDGID 50867

RIDGID 50867 Bottom Clevis Instruction Manual

MODEL: 50867

1. Introduction

This manual provides essential instructions for the proper use, installation, and maintenance of the RIDGID 50867 Bottom Clevis. The 50867 Bottom Clevis is a robust component designed for use with clevis-pins in various industrial and scientific applications. Please read this manual thoroughly before using the product to ensure safe and efficient operation.

Safety Information: Always wear appropriate personal protective equipment (PPE) when handling or installing components. Ensure all connections are secure before applying load. Refer to relevant industry standards and local regulations for specific application requirements.

2. Product Overview

The RIDGID 50867 Bottom Clevis is a durable fastening component. It is designed to provide a secure connection point for clevis pins, facilitating articulation or attachment in mechanical assemblies. Its construction ensures reliability in demanding environments.



Figure 1: RIDGID 50867 Bottom Clevis. This image displays the U-shaped body of the clevis, highlighting the precision-drilled holes designed to accommodate a clevis pin for secure fastening.

3. Setup and Installation

The RIDGID 50867 Bottom Clevis is intended for integration into existing mechanical systems. Proper installation is crucial for safe and effective operation.

1. **Inspect Components:** Before installation, carefully inspect the clevis for any signs of damage, defects, or wear. Ensure the clevis pin and mating components are compatible and in good condition.
2. **Prepare Mating Surface:** Ensure the surface or component to which the clevis will be attached is clean, free of debris, and structurally sound.
3. **Position Clevis:** Align the clevis with the component it will connect to, ensuring the pin holes are perfectly aligned.
4. **Insert Clevis Pin:** Insert the appropriate clevis pin through the aligned holes of the clevis and the mating component.
5. **Secure Pin:** Secure the clevis pin with a cotter pin, retaining clip, or other specified fastening mechanism to prevent accidental dislodgement. Ensure the pin is fully seated and secured.
6. **Verify Connection:** After installation, gently test the connection to ensure it is secure and allows for the

intended range of motion without binding or excessive play.

4. Operating Principles

The RIDGID 50867 Bottom Clevis functions as a pivotal connection point. Once installed with a clevis pin, it allows for rotational movement between two components or provides a fixed attachment point, depending on the application. It is designed to withstand the loads and forces typical for its intended use with clevis-pins.

- Ensure the clevis is not subjected to loads exceeding its design capacity.
- Avoid applications where the clevis or pin could experience excessive bending or shear forces not accounted for in its design.
- Regularly check for any signs of stress or deformation during operation.

5. Maintenance

To ensure the longevity and safe operation of your RIDGID 50867 Bottom Clevis, periodic inspection and maintenance are recommended.

- **Visual Inspection:** Regularly inspect the clevis for any signs of corrosion, cracks, deformation, or excessive wear, especially around the pin holes.
- **Cleaning:** Keep the clevis clean and free of dirt, debris, and corrosive substances. A mild detergent and water can be used, followed by thorough drying.
- **Lubrication (if applicable):** If the application requires rotational movement, ensure the clevis pin and mating surfaces are adequately lubricated according to the system's requirements. The clevis itself typically does not require lubrication.
- **Replacement:** If any significant wear, damage, or deformation is observed, replace the clevis immediately to prevent failure.

6. Troubleshooting

This section addresses common issues that may arise during the use of the RIDGID 50867 Bottom Clevis.

Problem	Possible Cause	Solution
Clevis pin does not fit.	Incorrect pin size; debris in pin holes; deformed clevis.	Verify pin and clevis specifications. Clean pin holes. Inspect clevis for damage; replace if deformed.
Excessive play or looseness after installation.	Incorrect pin size; worn pin or clevis holes; pin not properly secured.	Ensure correct pin diameter. Inspect for wear and replace components as needed. Verify pin is fully secured with retaining mechanism.
Signs of corrosion or rust.	Exposure to moisture or corrosive agents; lack of protective coating.	Clean and dry the clevis thoroughly. Apply a suitable rust preventative if necessary. Consider replacement if corrosion is severe.

7. Specifications

- **Part Number:** 50867
- **Item Model Number:** 50867
- **Item Weight:** 1.43 pounds

- **Product Dimensions:** 3.7 x 1.8 x 1.8 inches
- **Manufacturer:** StandardPlumbing: Kohler (as per product data)
- **Country of Origin:** United States (as per product description)

8. Warranty and Support

For detailed warranty information regarding the RIDGID 50867 Bottom Clevis, please refer to the official RIDGID website or contact RIDGID customer support directly. Warranty terms and conditions may vary based on region and purchase date.

For technical assistance or further inquiries, please contact RIDGID customer service through their official channels. Always provide the model number (50867) when seeking support.