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› [RIDGID](#) /

› RIDGID 60050 Retaining Ring KMS45 K538 User Manual

RIDGID 60050

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1. INTRODUCTION

This manual provides comprehensive instructions and information for the RIDGID 60050 Retaining Ring, model KMS45 K538. It is designed to assist users in understanding the product's features, ensuring correct installation, and maintaining its optimal performance. Please read this manual thoroughly before handling or installing the retaining ring.

2. PRODUCT OVERVIEW

The RIDGID 60050 Retaining Ring is a precision-engineered component specifically designed for securing parts within an assembly, commonly used in hoist-ring applications. This internal retaining ring, identified by models KMS45 and K538, is manufactured in the United States to ensure quality and reliability.



Figure 1: An image showing the RIDGID 60050 Retaining Ring, a precision-engineered component designed for securing parts within an assembly.

3. SAFETY INFORMATION

Always observe the following safety precautions when handling or installing the retaining ring:

- Wear appropriate personal protective equipment (PPE), such as safety glasses, to protect against potential hazards.
- Use only the correct tools for installation and removal to prevent damage to the ring or injury.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Handle small components carefully to avoid dropping or losing them.
- Never attempt to modify the retaining ring, as this can compromise its structural integrity and function.

4. SETUP AND INSTALLATION

Proper installation is crucial for the effective function of the RIDGID 60050 Retaining Ring. Follow these general steps:

1. **Inspect Components:** Before installation, visually inspect the retaining ring and the groove it will seat into for any damage, burrs, or debris. Ensure both are clean and free from defects.
2. **Select Proper Tools:** Use appropriate retaining ring pliers that match the eyelet size of the ring. Using incorrect tools can deform the ring or cause injury.
3. **Position the Ring:** Compress the retaining ring with the pliers and carefully guide it into the shaft or bore.
4. **Seat the Ring:** Release the pliers slowly, allowing the ring to expand into its designated groove. Ensure the ring is fully seated and lies flat within the groove.
5. **Verify Installation:** After installation, gently rotate the component or apply slight pressure to confirm the retaining ring is securely in place and cannot be easily dislodged.

5. OPERATING INSTRUCTIONS

The RIDGID 60050 Retaining Ring functions as a static fastener once correctly installed. Its 'operation' is primarily its secure retention of components. Ensure that the ring is always fully seated in its groove before applying any load or stress to the assembly it secures. Regular checks for proper seating are recommended, especially in applications involving vibration or dynamic forces.

6. MAINTENANCE

The RIDGID 60050 Retaining Ring requires minimal maintenance. However, periodic inspection is recommended to ensure continued performance:

- **Visual Inspection:** Regularly check the retaining ring for signs of wear, corrosion, deformation, or cracks.
- **Seating Check:** Verify that the ring remains fully seated in its groove.
- **Replacement:** If any damage or significant wear is observed, replace the retaining ring immediately with an identical RIDGID 60050 part to maintain safety and functionality.

7. TROUBLESHOOTING

Most issues related to retaining rings stem from improper installation or component damage. Consider the following if problems arise:

- **Ring Not Seating:** Ensure the groove is clean and free of obstructions. Verify that the correct size and type of retaining ring pliers are being used. The ring itself might be deformed; try a new one.
- **Ring Dislodges:** This indicates improper seating or an incorrect ring size for the application. Re-inspect the groove

and the ring for damage. Ensure the ring is fully expanded into the groove.

- **Component Play:** If the secured component has excessive movement, the retaining ring may not be fully seated, or the component itself might be out of tolerance.

If issues persist, consult a qualified technician or contact RIDGID customer support.

8. SPECIFICATIONS

Specification	Detail
Part Number	60050
Item Model Number	60050
Item Weight	3.52 ounces
Product Dimensions	6 x 4.5 x 0.1 inches
Item Package Quantity	1
Manufacturer	StandardPlumbing: Kohler
Country of Origin	United States

9. WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or replacement parts for your RIDGID 60050 Retaining Ring, please refer to the official RIDGID website or contact their customer service department directly. Keep your purchase receipt for warranty claims.

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