Makita 224268-6

Makita 224268-6 Inner Flange Instruction Manual

Model: 224268-6

1. Introduction

This instruction manual provides essential information for the proper handling, installation, and maintenance of the Makita 224268-6 Inner Flange. This component is a genuine Original Equipment Manufacturer (OEM) replacement part designed for use with various Makita power tool models, specifically those that utilize a 40 5277Nb inner flange. The inner flange plays a critical role in securing accessories, such as grinding wheels or cutting discs, to the spindle of a power tool, ensuring safe and effective operation. Always refer to your specific power tool's manual for detailed assembly instructions.



Figure 1.1: Top view of the Makita 224268-6 Inner Flange. This image shows the circular design with a central bore, typical for securing abrasive discs or cutting wheels.

2. Safety Information

Always prioritize safety when working with power tools and their components. Failure to follow safety guidelines can result in serious injury or damage to equipment.

- Ensure the power tool is disconnected from its power source before attempting any installation, removal, or maintenance.
- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and hearing protection.
- Use only genuine Makita replacement parts. Non-OEM parts may not fit correctly or perform safely.
- Inspect the flange for any signs of damage, wear, or deformation before installation. Do not use a damaged flange.
- Ensure the flange is clean and free from debris, grease, or rust before installation.

- Refer to your power tool's specific instruction manual for detailed safety warnings and procedures.

3. Setup and Installation

The Makita 224268-6 Inner Flange is designed for specific Makita models. Proper installation is crucial for the safe and effective operation of your power tool.

1. **Preparation:** Disconnect the power tool from the power supply. Place the tool on a stable, clean surface.
2. **Remove Old Flange (if applicable):** If replacing an existing flange, use the appropriate wrench or tool to loosen and remove the outer flange and any attached accessory. Then, carefully remove the old inner flange from the spindle.
3. **Inspect Spindle:** Clean the tool's spindle thoroughly, ensuring it is free of debris, rust, or damage. The new inner flange must seat perfectly.
4. **Install New Inner Flange:** Slide the Makita 224268-6 Inner Flange onto the tool's spindle. Ensure it sits flush against the tool's housing or gear case. The flange should slide on smoothly without excessive force.
5. **Attach Accessory:** Place the desired grinding wheel, cutting disc, or other accessory onto the spindle, ensuring it sits correctly against the inner flange.
6. **Secure Outer Flange:** Install the outer flange and tighten it securely with the appropriate wrench. Do not overtighten, but ensure it is firm enough to prevent slippage during operation.
7. **Final Check:** Before reconnecting power, manually rotate the accessory to ensure it spins freely and is properly centered.



Figure 3.1: Angled view of the Makita 224268-6 Inner Flange, highlighting its concentric rings and overall profile. This view helps in understanding how the flange interfaces with the tool's spindle and the accessory.

4. Function and Compatibility

The Makita 224268-6 Inner Flange serves as a crucial mounting component for various accessories on compatible Makita power tools. Its primary function is to provide a stable and concentric base for the accessory, ensuring it rotates true and safely during operation.
This part is specifically designed as an OEM replacement for Makita models that require part number 224268-6. It is compatible with various Makita models, including those that utilize the 40 5277Nb inner flange system. Always verify the part number against your tool's requirements to ensure correct fitment and optimal performance.



Figure 4.1: Side profile of the Makita 224268-6 Inner Flange, illustrating its thickness and the design of the central bore. This view is important for understanding its structural integrity and how it sits on the tool's spindle.

5. Maintenance

Proper maintenance of the inner flange contributes to the longevity and safe operation of your power tool.

- **Regular Inspection:** Before each use, inspect the inner flange for any signs of wear, cracks, bends, or other damage. Pay close attention to the seating surfaces and the central bore.
- **Cleaning:** Keep the flange clean and free of dust, debris, and rust. Use a dry cloth or a soft brush to remove any buildup. Avoid using harsh chemicals that could damage the material.
- **Storage:** Store the flange in a clean, dry place when not in use, protected from moisture and extreme temperatures.
- **Replacement:** If the flange shows any signs of damage or excessive wear, replace it immediately with a new genuine Makita 224268-6 part.

6. Troubleshooting

If you encounter issues with the Makita 224268-6 Inner Flange, consider the following common troubleshooting steps:

- **Flange Does Not Fit:**
  - Verify that the part number 224268-6 matches the requirement for your specific Makita tool model.
  - Ensure the tool's spindle is clean and free of obstructions.
  - Check for any manufacturing defects on the flange itself.
- **Accessory Wobbles or Vibrates Excessively:**
  - Ensure the inner flange is seated flush against the tool's housing.

- Verify that the accessory (e.g., grinding wheel) is correctly seated against the inner flange and that the outer flange is tightened securely.
- Inspect both inner and outer flanges for damage or deformation that could cause imbalance.
- Check the accessory itself for damage or imbalance.

- **Difficulty Removing/Installing:**
  - Ensure the tool is powered off and secured.
  - Use the correct tools (e.g., spindle wrench) for removal and installation.
  - Avoid excessive force; if a part is stuck, inspect for rust or debris.

If problems persist after following these steps, consult a qualified service technician or contact Makita customer support.

7. Specifications

The following specifications are for the Makita 224268-6 Inner Flange:

Attribute	Value
Part Number	224268-6
Manufacturer	Makita
Item Weight	1.28 ounces (approx. 36 grams)
Product Dimensions	1.75 x 1.75 x 0.5 inches (approx. 4.45 x 4.45 x 1.27 cm)
Material	Metal (specific alloy not provided)
Compatibility	Various Makita models requiring part 224268-6

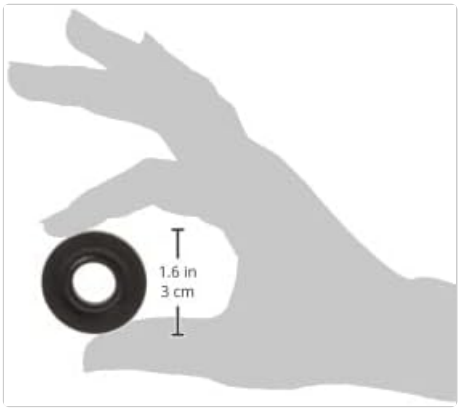


Figure 7.1: The Makita 224268-6 Inner Flange shown next to a hand for size comparison, indicating its compact dimensions of approximately 1.6 inches (3 cm) in diameter.

8. Warranty Information

As a replacement part, the warranty for the Makita 224268-6 Inner Flange may be subject to the terms and conditions of the original power tool's warranty or specific replacement part warranty policies. For detailed warranty information, please refer to the official Makita website or contact Makita customer service directly. Keep your purchase receipt as proof of purchase.

9. Support and Contact

For further assistance, technical support, or to inquire about other genuine Makita parts, please contact Makita customer support or visit their official website:

- **Makita Official Website:** www.makitatools.com
- Refer to the contact section on the website for phone numbers and email support.

When contacting support, please have your tool's model number and the inner flange part number (224268-6) readily available.

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