

Dremel EZ402

Dremel EZ402 EZ Lock Mandrel Instruction Manual

Model: EZ402

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1. INTRODUCTION

This instruction manual provides essential information for the safe and effective use of your Dremel EZ402 EZ Lock Mandrel. The EZ Lock system is designed to simplify accessory changes, making your work with Dremel rotary tools more efficient. Please read this manual thoroughly before operation and retain it for future reference.

2. PRODUCT OVERVIEW

The Dremel EZ402 EZ Lock Mandrel is a one-piece accessory designed to facilitate quick changes of compatible Dremel EZ Lock accessories. It eliminates the need for screws and wrenches, allowing for accessory changes up to 6 times faster than traditional mandrels.

Key Features:

- One-piece mandrel design for rapid accessory changes.
- Compatible with all Dremel rotary tools.
- Designed for use with EZ Lock cutting, sanding, cleaning, polishing, grinding, and sharpening rotary tool accessories.
- Shank size: 1/8" (6.4 mm).

Included Components:

- 1 Dremel EZ402 EZ Lock Mandrel



Figure 1: Dremel EZ402 EZ Lock Mandrel. This image shows the single mandrel unit, ready for attachment to a rotary tool.

3. SETUP

The Dremel EZ402 EZ Lock Mandrel is designed for straightforward installation and accessory changes.

Attaching the Mandrel to your Rotary Tool:

1. **Ensure Power is Off:** Always ensure your Dremel rotary tool is unplugged or its battery is removed before changing accessories.
2. **Insert Mandrel:** Insert the 1/8" (6.4 mm) shank of the EZ Lock Mandrel into the collet of your Dremel rotary tool.

3. **Tighten Collet:** Securely tighten the collet nut using the collet wrench provided with your rotary tool. Ensure the mandrel is firmly seated and cannot slip.

Attaching EZ Lock Accessories to the Mandrel:

1. **Pull Down:** Locate the spring-loaded mechanism on the EZ Lock Mandrel. Pull down on the top cap of the mandrel.
2. **Insert Accessory:** While holding the cap down, align the center hole of the EZ Lock accessory (e.g., cutting wheel, sanding disc) with the mandrel's shaft.
3. **Twist and Release:** Twist the accessory slightly until it seats firmly onto the mandrel's locking mechanism. Release the cap to lock the accessory in place. Gently tug on the accessory to ensure it is securely attached before operation.

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Video 1: Dremel EZ LOCK - Quick Start Guide. This video demonstrates the quick and easy process of attaching and detaching EZ Lock accessories to the mandrel.

4. OPERATING INSTRUCTIONS

The Dremel EZ402 EZ Lock Mandrel is designed to be used with a variety of Dremel EZ Lock accessories for different applications.

General Usage Guidelines:

- **Accessory Compatibility:** Only use the EZ402 mandrel with Dremel EZ Lock accessories. These include cutting, sanding, cleaning, polishing, grinding, and sharpening accessories.
- **Material Versatility:** The EZ Lock system allows you to quickly switch between accessories suitable for various materials, from metal to plastic, wood, and tile.
- **Speed Settings:** Always refer to the recommended speed settings for the specific EZ Lock accessory you are using. These recommendations are typically found on the accessory packaging or in its individual instructions.
- **Safety First:** Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and hearing protection, when operating your rotary tool with any accessory.



Figure 2: Dremel EZ Lock Mandrel with various compatible accessories. This image illustrates the range of EZ Lock accessories that can be used with the mandrel for different tasks.

Specific Applications:

- **Cutting:** Use with EZ Lock cutting wheels for materials like metal conduit, PVC piping, or for reslotting screw heads.
- **Sanding:** Attach EZ Lock sanding discs or drums for smoothing surfaces or shaping materials.
- **Grinding/Sharpening:** Utilize EZ Lock grinding stones or sharpening accessories for precise material removal or tool sharpening.
- **Polishing/Cleaning:** Employ EZ Lock polishing wheels or cleaning brushes to restore shine or remove debris.

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Video 2: EZ Lock Full Demo. This video provides a comprehensive demonstration of the EZ Lock system in action, showcasing various applications and the ease of accessory changes.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Dremel EZ402 EZ Lock Mandrel.

- **Cleaning:** After each use, clean the mandrel to remove any dust, debris, or material residue. A soft brush or cloth can be used. Ensure the locking mechanism is free of obstructions.
- **Storage:** Store the mandrel in a clean, dry place, away from moisture and corrosive materials.
- **Inspection:** Regularly inspect the mandrel for any signs of wear, damage, or deformation. If the locking mechanism appears compromised or the shank is bent, replace the mandrel immediately to prevent injury or damage to your rotary tool.
- **Lubrication:** The EZ Lock mechanism is designed to operate without additional lubrication. Avoid applying oils or greases, as this can attract debris and hinder performance.

6. TROUBLESHOOTING

If you encounter issues with your Dremel EZ402 EZ Lock Mandrel, consider the following:

- **Accessory Not Locking:**
 - Ensure the mandrel's top cap is pulled down completely before inserting the accessory.
 - Verify that the accessory is an authentic Dremel EZ Lock accessory and is not damaged.
 - Check for debris within the locking mechanism and clean if necessary.
- **Mandrel Slipping in Rotary Tool:**
 - Ensure the rotary tool's collet nut is tightened securely.
 - Verify that the mandrel's shank is clean and free of oil or grease.
 - Confirm that your rotary tool's collet is the correct size (1/8" or 6.4 mm) for the mandrel.
- **Excessive Vibration:**
 - Check if the accessory is properly seated and locked onto the mandrel.
 - Inspect the accessory for damage or imbalance and replace if necessary.
 - Ensure the mandrel itself is not bent or damaged.

For persistent issues, please refer to the Support section for customer service contact information.

7. SPECIFICATIONS

Attribute	Detail
Model Number	EZ402
Brand	Dremel
Included Components	1 Mandrel
Material	Metal
Shank Size	1/8" (6.4 mm)
Product Dimensions	0.2 x 0.2 x 2 inches
Item Weight	0.48 ounces (0.03 Pounds)
Manufacturer	Dremel

8. SUPPORT

For customer service, technical assistance, or warranty inquiries, please contact Dremel directly.

- **Customer Service:** US-based customer service is available via chat, email, or phone.
- **Service Center:** You may also visit the Dremel service center located in Racine, WI.
- Specific contact details can be found on the official Dremel website.

