

Dremel 407

Dremel 407 1/2" 60 Grit Sanding Band Instruction Manual

INTRODUCTION

The Dremel 407 1/2-inch 60 Grit Sanding Band is designed for use with Dremel rotary tools. It is suitable for various applications including rough-shaping and smoothing wood and fiberglass, removing rust from metal, and shaping rubber surfaces. This sanding band features a coarse 60-grit aluminum oxide abrasive, providing efficient material removal.

Key features of the Dremel 407 Sanding Band include:

- Transforms your rotary tool into a versatile sanding machine.
- Ideal for shaping and smoothing wood and fiberglass.
- Effective for removing rust from metal surfaces.
- Suitable for shaping hard rubber.
- Designed for use with rotary tools that accommodate a 1/8" shank size.

SETUP

To prepare the Dremel 407 Sanding Band for use, it must be properly attached to a compatible mandrel. The sanding band is designed to fit mandrels with a 1/8-inch shank.

1. Ensure your rotary tool is unplugged or its battery is removed before attaching any accessories.
2. Locate a compatible Dremel mandrel (typically model 430 or similar, designed for 1/2" sanding bands).
3. Loosen the screw at the top of the mandrel to allow the sanding band to slide over the drum.
4. Slide the Dremel 407 Sanding Band onto the mandrel's drum. Ensure it fits snugly.
5. Tighten the screw on the mandrel to expand the rubber drum, securing the sanding band in place. The band should not spin freely on the drum.
6. Insert the mandrel's 1/8-inch shank into the collet of your Dremel rotary tool and tighten the collet nut securely.



Image: The Dremel 407 1/2-inch 60 Grit Sanding Band securely mounted on a rotary tool mandrel, ready for installation into a Dremel tool.

OPERATING INSTRUCTIONS

Once the sanding band is securely attached to your rotary tool, you can begin your sanding tasks. Always wear appropriate personal protective equipment, including safety glasses and a dust mask, when operating power tools.

1. **Material Compatibility:** The 60-grit sanding band is effective on wood, fiberglass, metal (for rust removal), and hard rubber.

2. **Speed Settings:** Start with a lower speed setting on your rotary tool and gradually increase it as needed for the material and desired finish. Avoid excessive pressure, which can cause premature wear of the sanding band and potential damage to the workpiece.
3. **Sanding Technique:** Use a consistent, light touch. Move the tool steadily across the surface to ensure even material removal and prevent gouging. For shaping, work in small increments.
4. **Safety:** Keep hands and loose clothing away from the rotating accessory. Ensure the workpiece is securely clamped or held.



Image: A Dremel rotary tool equipped with a sanding band, actively shaping a piece of wood, demonstrating typical operating use.

MAINTENANCE

Proper maintenance extends the life of your sanding bands and ensures optimal performance.

- **Band Replacement:** The sanding bands are consumable and will wear down over time. When the abrasive surface becomes smooth, clogged, or ineffective, replace the band. To replace, loosen the mandrel screw, slide off the old band, and install a new one as described in the Setup section.
- **Cleaning:** For light clogging, a sanding belt cleaner stick can be used while the band is spinning at a low speed to remove accumulated debris.

- **Storage:** Store unused sanding bands in a dry environment to prevent degradation of the abrasive material.

TROUBLESHOOTING

If you encounter issues while using your Dremel 407 Sanding Band, consider the following:

- **Ineffective Sanding:** If the band is not removing material efficiently, it may be worn out or clogged. Replace the band or attempt to clean it.
- **Band Slipping:** Ensure the mandrel screw is tightened sufficiently to expand the rubber drum and grip the sanding band firmly.
- **Excessive Vibration:** Check that the sanding band is properly seated on the mandrel and that the mandrel is securely installed in the rotary tool's collet.
- **Burning Smell:** This often indicates excessive pressure or a dull sanding band. Reduce pressure and replace the band if necessary.

SPECIFICATIONS

Feature	Specification
Model Number	407
Size	1/2 inch (1-Piece)
Grit Type	60 Grit
Grit Material	Aluminum Oxide
Compatible Devices	Rotary Tools (with 1/8" shank mandrel)
Construction Type	Coated
Item Weight	0.353 ounces
Product Dimensions	0.5"L x 0.5"W
UPC	080596004071

WARRANTY INFORMATION

Dremel products are manufactured to high-quality standards. Specific warranty details for the Dremel 407 Sanding Band are typically provided with the product packaging or can be found on the official Dremel website. Please refer to these resources for comprehensive warranty terms and conditions.


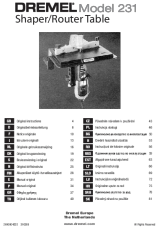



SUPPORT

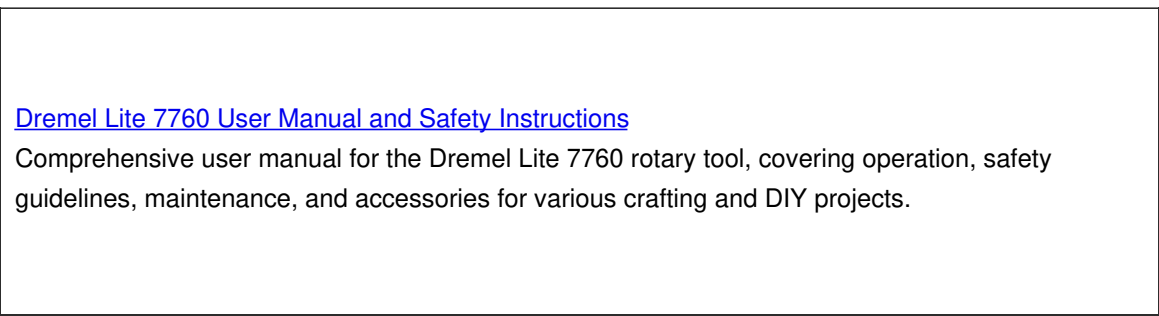
For additional support, product information, or to explore other Dremel accessories, please visit the

official Dremel website or contact Dremel customer service. You can also find more information and related products at the [Dremel Store on Amazon](#).

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Comprehensive user manual for the Dremel Lite 7760 rotary tool, covering operation, safety guidelines, maintenance, and accessories for various crafting and DIY projects.

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