

Dremel SC407

Dremel SC407 EZ SpeedClic Sanding Bands and Mandrel Instruction Manual

Model: SC407

1. INTRODUCTION

The Dremel SC407 EZ SpeedClic Sanding Bands and Mandrel set provides an efficient solution for sanding, shaping, and smoothing various materials. This innovative SpeedClic system simplifies accessory changes, allowing for quick and easy transitions between tasks.

This accessory set is designed for use with all Dremel Multi-/Rotary tools or other rotary tools with a 3.2mm shank size.

2. WHAT'S INCLUDED

Your Dremel SC407 EZ SpeedClic Sanding Bands and Mandrel set includes the following components:

- 1 x EZ SpeedClic™ Sanding Mandrel
- 1 x Sanding Band 13 mm, Grit 60 (Coarse)
- 1 x Sanding Band 13 mm, Grit 120 (Medium)



Figure 1: Dremel EZ SpeedClic Mandrel and a sanding band.

3. SETUP AND ASSEMBLY

The EZ SpeedClic system allows for quick and tool-free accessory changes. Follow these steps to attach a sanding band to the mandrel:

1. **Pull:** Gently pull the top cap of the EZ SpeedClic mandrel upwards. This will release the locking mechanism.
2. **Place:** Slide the desired sanding band (Grit 60 or Grit 120) onto the mandrel. Ensure it is seated properly.
3. **Push:** Push the top cap of the mandrel downwards until it clicks into place, securely locking the sanding band.

Once the sanding band is attached, insert the mandrel's shank into your Dremel rotary tool's collet and tighten it according to your tool's instructions.



Figure 2: Visual guide for attaching a sanding band using the EZ SpeedClic mechanism.

4. OPERATING INSTRUCTIONS

The Dremel SC407 sanding bands are suitable for a wide range of materials and applications:

- **Materials:** Wood, metal, aluminum, silver, copper, stainless steel, brass, gold, plexiglass, plastic, and rubber.
- **Applications:** General sanding, shaping, and material removal.

Usage Guidelines:

- Select the appropriate grit for your task: Grit 60 for coarse material removal, Grit 120 for finer sanding and

smoothing.

- Ensure the sanding band is securely attached to the mandrel before operating your rotary tool.
- Always wear appropriate personal protective equipment (PPE), including eye protection and a dust mask, when sanding.
- Maintain a firm grip on your rotary tool and apply even, moderate pressure to the workpiece.
- The maximum recommended working speed for these sanding bands is **35,000 RPM**. Do not exceed this speed.



Figure 3: Dremel tool with EZ SpeedClic sanding band performing a sanding task.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Dremel EZ SpeedClic Sanding Mandrel and bands, follow these maintenance tips:

- **Cleaning:** After each use, remove any dust or debris from the mandrel and sanding bands. A soft brush or compressed air can be used.
- **Storage:** Store the mandrel and unused sanding bands in a clean, dry place, away from moisture and direct

sunlight.

- **Sanding Band Replacement:** Replace sanding bands when they become worn, clogged, or lose their abrasive effectiveness. The EZ SpeedClic system makes this process quick and easy.
- **Mandrel Inspection:** Periodically inspect the mandrel for any signs of wear, damage, or deformation. Replace if necessary to ensure safe operation.

6. TROUBLESHOOTING

If you encounter issues while using your Dremel SC407 set, consider the following:

- **Sanding Band Not Staying On:** Ensure the EZ SpeedClic mandrel's top cap is fully pushed down and locked into place after attaching the sanding band.
- **Poor Sanding Performance:**
 - Check if the sanding band is worn out and needs replacement.
 - Verify that you are using the correct grit for the material and desired finish.
 - Ensure your rotary tool is operating at an appropriate speed for the task.
- **Excessive Vibration:** Ensure the mandrel is properly seated and tightened in your rotary tool's collet. Check for any damage to the mandrel or sanding band.

7. SPECIFICATIONS







Feature	Detail
Model Number	SC407 (Item model number: 2615S407JA)
Product Dimensions	3.86 x 1.97 x 0.55 inches
Item Weight	0.35 ounces
Brand	Dremel
Grit Material	Aluminium Oxide
Grit Types Included	60 (Coarse), 120 (Medium)
Compatible Devices	Dremel 408 & 432 sanding bands, all Dremel Multi-/Rotary tools or other 3.2mm shank size multi-/rotary tools.
Maximum Recommended RPM	35,000 RPM
Date First Available	January 27, 2013

8. WARRANTY AND SUPPORT

For warranty information, product support, or to purchase additional accessories, please visit the official Dremel website or contact Dremel customer service.

You can also visit the [Dremel Store on Amazon](#) for more products and information.

Related Documents - SC407

	<p>Dremel 335 Plunge Router Attachment: Operating Instructions and Safety Guide</p> <p>This document provides comprehensive operating instructions, safety guidelines, and assembly details for the Dremel 335 Plunge Router Attachment. Learn how to safely and effectively use your Dremel rotary tool for routing, edging, grooving, and circular cuts with this detailed guide.</p>
	<p>Dremel 3000, 4000, 4300 Rotary Tool User Manual</p> <p>Comprehensive user manual for Dremel 3000, 4000, and 4300 rotary tools, covering operation, safety, maintenance, and specifications.</p>
	<p>Dremel Model 231 Shaper/Router Table User Manual</p> <p>Comprehensive user manual and safety guide for the Dremel Model 231 Shaper/Router Table attachment, detailing assembly, operation, safety precautions, and specifications for woodworking tasks.</p>
	<p>Dremel Product Safety and Usage Information</p> <p>Essential safety instructions and usage guidelines for Dremel product 11294619, covering work area preparation, tool inspection, user focus, and handling by children or individuals with reduced abilities. Includes manufacturer information.</p>
	<p>Dremel EZ SpeedClic Arbor SC 402 (20421025) Safety and Usage Instructions</p> <p>Safety and usage instructions for the Dremel EZ SpeedClic Arbor, model SC 402 (product identifier 20421025), manufactured by Robert Bosch Power Tools GmbH. This guide provides essential information on safe operation, tool inspection, work area safety, and child supervision.</p>
	<p>Dremel 8220 Cordless Rotary Tool: Operating and Safety Instructions</p> <p>Comprehensive operating and safety instructions for the Dremel 8220 Cordless Rotary Tool. Learn about safe usage, maintenance, accessories, and specifications for this versatile power tool.</p>

