

Sealey SMS2003.B

Sealey SMS2003.B Diamond Coated Grinding Disc 100mm Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective use of the Sealey SMS2003.B Diamond Coated Grinding Disc. This disc is specifically designed as a replacement or accessory for the Sealey Model No. SMS2003 Saw Blade Sharpener. It features a 100mm diameter and a diamond coating for efficient and precise grinding of saw blades.

Please read these instructions carefully before installation and operation to ensure proper usage and to prevent injury or damage to the product or equipment.

2. SAFETY INFORMATION

Always adhere to general workshop safety practices and specific instructions provided with your Sealey SMS2003 Saw Blade Sharpener. Failure to do so may result in serious injury.

- **Eye Protection:** Always wear approved safety glasses or goggles when operating the saw blade sharpener with the grinding disc.
- **Hand Protection:** Wear appropriate protective gloves to prevent cuts and abrasions.
- **Hearing Protection:** Use ear protection, as grinding operations can be noisy.
- **Respiratory Protection:** If grinding produces excessive dust, wear a dust mask or respirator.
- **Machine Disconnection:** Ensure the saw blade sharpener is disconnected from the power supply before installing, removing, or adjusting the grinding disc.
- **Disc Inspection:** Before each use, inspect the grinding disc for any signs of damage, cracks, or excessive wear. Do not use a damaged disc.
- **Proper Mounting:** Ensure the disc is correctly and securely mounted on the sharpener spindle according to the sharpener's instructions.
- **Work Area:** Keep the work area clean, well-lit, and free from obstructions.
- **Children and Bystanders:** Keep children and unauthorized persons away from the operating area.

3. SETUP AND INSTALLATION

The SMS2003.B grinding disc is designed for straightforward installation on the Sealey SMS2003 Saw Blade Sharpener. Refer to your SMS2003 sharpener's manual for detailed instructions on disc replacement.

1. **Disconnect Power:** Ensure the Sealey SMS2003 Saw Blade Sharpener is unplugged from the power source.
2. **Access Spindle:** Locate the grinding disc spindle on your SMS2003 sharpener. You may need to remove a guard or cover as per your sharpener's manual.
3. **Remove Old Disc (if applicable):** If replacing an existing disc, carefully remove the retaining nut or clamp and slide the old disc off the spindle. Dispose of worn or damaged discs responsibly.
4. **Install New Disc:** Place the new Sealey SMS2003.B Diamond Coated Grinding Disc onto the spindle, ensuring it sits flush against any backing flanges or washers. The disc should fit without excessive force.
5. **Secure Disc:** Reinstall the retaining nut or clamp, tightening it securely but without over-tightening, which could damage the disc. Ensure the disc is centered and does not wobble.
6. **Replace Guards:** Reattach any guards or covers that were removed.
7. **Test Rotation:** Manually rotate the disc to ensure it spins freely and without obstruction.

Image 1: Sealey SMS2003.B Diamond Coated Grinding Disc



This image shows the Sealey SMS2003.B Diamond Coated Grinding Disc, highlighting its 100mm diameter and diamond-coated surface, ready for installation on a compatible saw blade sharpener.

4. OPERATING INSTRUCTIONS

Once the SMS2003.B grinding disc is securely installed on your Sealey SMS2003 Saw Blade Sharpener, you can proceed with sharpening operations. Always refer to your sharpener's manual for specific operating procedures and settings.

- **Power On:** Connect the sharpener to the power supply.
- **Adjust Settings:** Set the appropriate angles and depth for the saw blade you intend to sharpen, as instructed by your SMS2003 manual.
- **Position Blade:** Carefully position the saw blade in the sharpener's jig or clamp, ensuring it is stable and correctly aligned with the grinding disc.
- **Start Grinding:** Turn on the sharpener. Allow the disc to reach full operating speed before making contact with the saw blade.
- **Controlled Contact:** Bring the saw blade into gentle, controlled contact with the grinding disc. Avoid excessive pressure, as this can overheat the blade, damage the disc, or reduce sharpening effectiveness. Let the diamond coating do the work.
- **Even Sharpening:** Sharpen each tooth evenly, following the recommended passes and techniques from your sharpener's manual.
- **Monitor Disc:** Observe the disc for any unusual vibrations or sounds during operation. If detected, immediately turn off the sharpener and inspect the disc and mounting.
- **Power Off:** Once sharpening is complete, turn off the sharpener and allow the disc to come to a complete stop before removing the saw blade.

5. MAINTENANCE AND STORAGE

Proper maintenance and storage will extend the life of your Sealey SMS2003.B Diamond Coated Grinding Disc and ensure consistent performance.

- **Cleaning:** After each use, disconnect the sharpener from power. Use a soft brush or compressed air to remove any grinding dust or debris from the disc surface. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Regularly inspect the disc for signs of wear, chipping, or damage. A worn disc will lose its sharpening effectiveness. Replace the disc if significant wear or damage is observed.
- **Storage:** Store the grinding disc in a clean, dry place, away from direct sunlight, moisture, and extreme temperatures. If removed from the sharpener, store it in its original packaging or a protective container to prevent accidental damage.
- **Avoid Impact:** Do not drop or subject the disc to impact, as this can cause cracks or damage to the diamond coating.

6. TROUBLESHOOTING

If you encounter issues while using your SMS2003.B grinding disc, consider the following common troubleshooting steps:

- **Poor Sharpening Performance:**
 - Check if the disc is securely mounted and not wobbling.
 - Ensure the saw blade is correctly positioned and clamped in the sharpener.
 - Verify that the sharpener's settings (angles, depth) are appropriate for the blade type.
 - Inspect the disc for excessive wear or glazing. A worn disc will need replacement.
- **Excessive Vibration or Noise:**

- Immediately turn off the sharpener.
- Check if the disc is properly centered and tightened on the spindle.
- Inspect the disc for any damage or imbalance. A damaged disc must be replaced.

- **Disc Overheating:**

- Reduce the pressure applied during grinding.
- Allow the disc and blade to cool periodically during extended sharpening sessions.

If problems persist after following these steps, consult the Sealey SMS2003 Saw Blade Sharpener manual or contact Sealey customer support.

7. SPECIFICATIONS

Model Number	SMS2003.B
Brand	Sealey
Grit Material	Diamond
Construction Type	Coated
Size / Diameter	100 mm (3.94 inches)
Compatible Devices	Sealey SMS2003 Saw Blade Sharpener
Item Weight	2.11 ounces
Color	Grey

8. WARRANTY INFORMATION

This Sealey SMS2003.B Diamond Coated Grinding Disc is covered by Sealey's standard warranty terms and conditions. For specific details regarding warranty coverage, duration, and claims procedures, please refer to the warranty documentation provided with your original Sealey SMS2003 Saw Blade Sharpener or visit the official Sealey website. Keep your proof of purchase for warranty purposes.

9. SUPPORT

For technical assistance, spare parts, or further information regarding the Sealey SMS2003.B Diamond Coated Grinding Disc or the SMS2003 Saw Blade Sharpener, please contact Sealey customer support. Contact details can typically be found in your product documentation or on the official Sealey website.

Website: www.sealey.co.uk

Please have the model number (SMS2003.B) and any relevant purchase information ready when contacting support.