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› **SE 30-Piece Titanium-Coated Diamond Burrs Instruction Manual (Model 82331TF)**

## SE 82331TF

# SE 30-Piece Titanium-Coated Diamond Burrs Instruction Manual (Model 82331TF)

## INTRODUCTION

This manual provides essential information for the safe and effective use of your SE 30-Piece Set of Titanium-Coated Diamond Burrs, Grits 120-150. Please read these instructions carefully before operation and retain them for future reference.

## PRODUCT OVERVIEW

The SE 30-Piece Set of Titanium-Coated Diamond Burrs is designed for precision work on various hard surfaces. Each burr features a titanium coating for enhanced durability and performance. The set includes a diverse range of shapes to accommodate different applications.

### Contents:

- 30 x Titanium-Coated Diamond Burrs (Grits 120-150)
- Storage Case

### Included Burr Shapes:

- Ball
- Cone
- Rounded Cylinder
- Flat Top Cylinder
- Tapered
- Needle Point
- And other assorted shapes



Image: The complete SE 30-piece set of titanium-coated diamond burrs, neatly organized in its storage case. This image displays the variety of shapes and sizes included in the set.



Image: A closer view of the SE 30-piece diamond burr assortment, highlighting the different burr head designs and the protective foam insert within the storage case.



Image: An informational graphic highlighting key features of the burr set, including the quantity (30 pieces), grit range (120-150), titanium coating, and diamond class.

## IMPORTANT SAFETY INFORMATION

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**WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).**

- Always wear appropriate personal protective equipment, including eye protection, when operating rotary tools with burrs.
- Ensure burrs are securely fastened in the rotary tool collet before operation.
- Do not apply excessive pressure, as this can damage the burr or the workpiece.
- Keep hands and loose clothing away from rotating parts.
- Work in a well-ventilated area.

## SETUP

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The SE diamond burrs are designed with a standard 1/8" (3 mm) shank size. This ensures compatibility with most common die grinders and rotary tools.

1. **Select the Appropriate Burr:** Choose the burr shape and size best suited for your specific task (e.g., filing, grinding, shaping).
2. **Insert into Rotary Tool:** Carefully insert the burr's shank into the collet of your rotary tool.
3. **Secure the Burr:** Tighten the collet securely to prevent the burr from slipping during operation. Ensure the burr is seated properly and not wobbly.
4. **Verify Compatibility:** Confirm that your rotary tool is suitable for the chosen burr and the material you intend to work on.

## OPERATING INSTRUCTIONS

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Follow these guidelines for optimal performance and longevity of your diamond burrs:

1. **Lubrication is Key:** It is highly recommended to use water as a lubricant when operating these

diamond burrs. Water helps to cool the burr and the workpiece, prevents overheating, and extends the life of the diamond coating.

- 2. Apply Gentle Pressure:** Diamond burrs work by abrasion, not by cutting. Apply light, consistent pressure. Excessive force can cause the burr to clog, overheat, or wear prematurely.
- 3. Maintain Consistent Speed:** Operate your rotary tool at a speed appropriate for the material and burr size. Refer to your rotary tool's manual for recommended speed settings.
- 4. Work on Suitable Materials:** These burrs are effective on a wide range of hard surfaces including brick, ceramics, fiberglass, glass, gold, metal, plastic, platinum, rock carbide, silver, stone, tile, and wood.



Image: An informational graphic illustrating the titanium coating on the burrs and emphasizing the importance of using water as a lubricant during operation to ensure optimal performance and durability.

## MAINTENANCE

- Cleaning:** After each use, clean the burrs to remove any accumulated debris. A small brush and water can be used. Ensure they are dry before storage.
- Storage:** Store the burrs in their provided compact storage case to protect them from damage and keep them organized.
- Inspection:** Periodically inspect burrs for signs of wear or damage. Replace any burrs that are dull, chipped, or bent to maintain performance and safety.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Burr not cutting effectively	Burr is clogged with material; Insufficient lubrication; Burr is worn out.	Clean the burr; Apply water as a lubricant; Replace the burr.
Excessive heat generation	Lack of lubrication; Excessive pressure; Incorrect speed setting.	Use water as a lubricant; Reduce pressure; Adjust rotary tool speed.
Burr wobbles during operation	Burr not securely tightened in collet; Bent shank.	Re-tighten the collet; Replace the burr if the shank is bent.

## SPECIFICATIONS

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- **Model Number:** 82331TF
- **Quantity:** 30 Pieces
- **Coating:** Titanium-Coated Diamond
- **Grits:** 120-150
- **Shank Size:** 1/8" (3 mm)
- **Product Dimensions:** 5.98 x 3.19 x 0.91 inches (Case)
- **Item Weight:** 2.4 ounces
- **Compatibility:** Most die grinders and rotary tools

## WARRANTY AND SUPPORT

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SE products are manufactured to high-quality standards. For any questions regarding product performance, defects, or support, please contact the manufacturer directly. Please refer to the product packaging or the official SE website for specific warranty details and customer service contact information. SE is a registered trademark. Genuine SE products come with the SE logo on the packaging.