

## TechKen TK663-FO

# TechKen 6-Piece Carbide Oscillating Saw Blade Set

Model: TK663-FO - Instruction Manual

## INTRODUCTION

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This manual provides essential information for the safe and effective use of your TechKen 6-Piece Carbide Oscillating Saw Blade Set. This set includes three distinct carbide blade types: Semicircle, Triangular, and Finger, designed for various applications such as grinding tile adhesives, cement, thin-set mortar, rasping wood, and stone. Please read these instructions thoroughly before use and retain them for future reference.

## SAFETY INFORMATION

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**WARNING: Always wear appropriate personal protective equipment (PPE) including safety glasses, gloves, and hearing protection when operating power tools and accessories. Disconnect the power tool from its power source before changing accessories.**

- Ensure the blade is securely attached to the oscillating tool before operation.
- Do not use damaged or dull blades. Replace them immediately.
- Keep hands and body clear of the oscillating blade during operation.
- Work in a well-ventilated area to avoid inhaling dust and debris.
- Store blades in a dry, safe place away from children.

## PRODUCT OVERVIEW

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The TechKen 6-Piece Carbide Oscillating Saw Blade Set includes a variety of blades designed for heavy-duty tasks. Each blade features a carbide grit surface for enhanced durability and cutting/grinding performance on tough materials.

### Blade Types Included:

#### Semicircle Carbide Blade



This blade features a semi-circular shape with a carbide grit edge, ideal for grinding and removing grout, tile adhesive, or thin-set mortar in larger areas. Its design allows for efficient material removal.

### **Triangular Carbide Blade**



The triangular blade is coated with carbide grit, making it suitable for grinding and rasping tasks on wood, stone, and other hard materials. Its pointed tip allows for access into corners and detailed work.

# Blades can fit following oscillating tools



*Detailed view of the carbide grit surface on the triangular blade, highlighting its abrasive texture for effective material removal.*

## **Finger Carbide Blade**



Designed with a narrow, elongated shape and carbide grit, the finger blade is excellent for precision grinding, reaching into tight spaces, and removing material from intricate areas where larger blades cannot fit.

## **COMPATIBILITY**

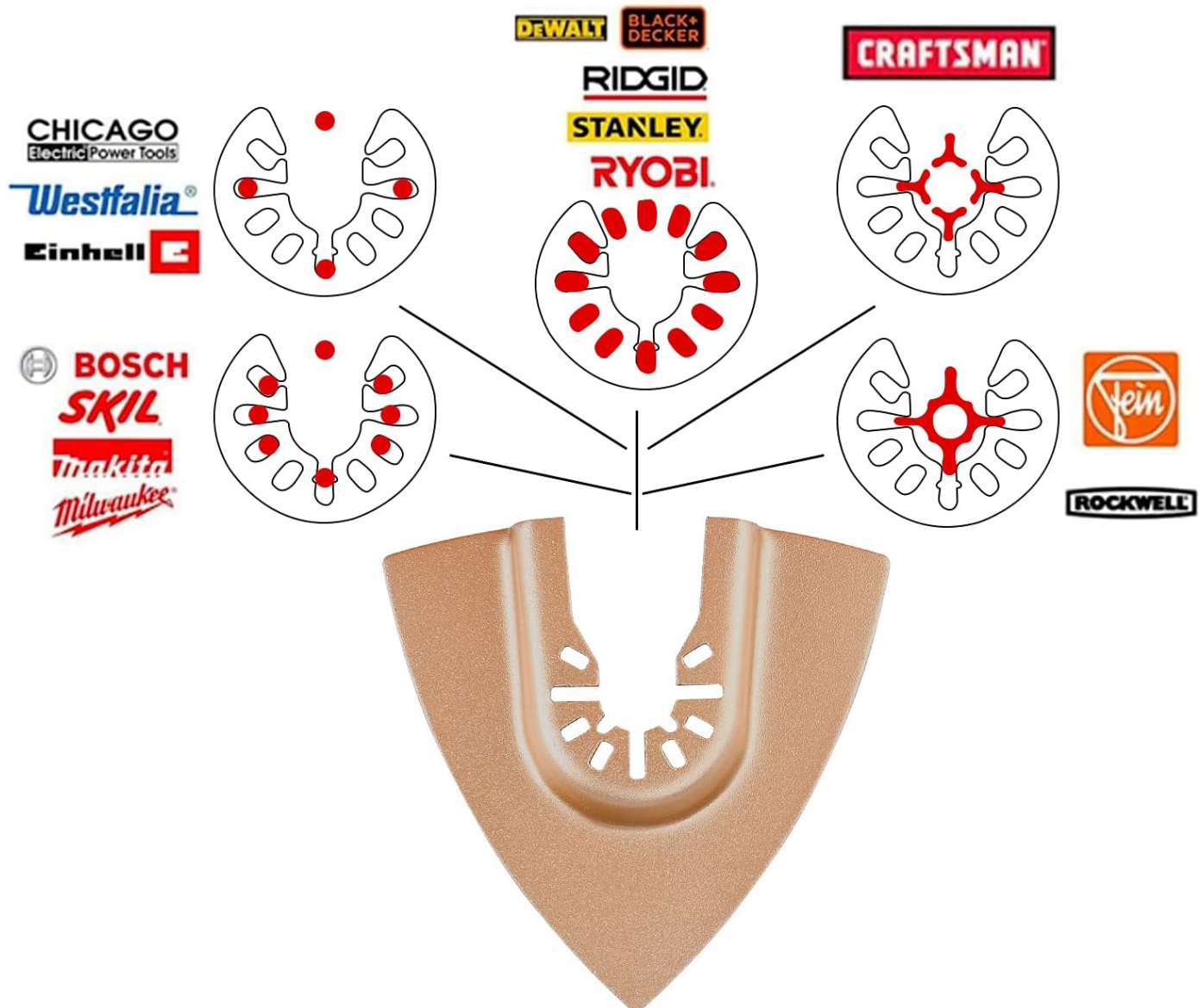
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These universal fit carbide saw blades are designed to be compatible with a wide range of oscillating multi-tools. The quick-release design ensures easy attachment and removal.

**Compatible Brands Include:** Porter Cable, Ryobi, Milwaukee, Hitachi, Black & Decker, Chicago, Craftsman, Dewalt, Einhell, Rockwell, and many others with a universal quick-release system.

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## Blades can fit following oscillating tools



This image illustrates the universal fit design, showing how the blade's mounting pattern aligns with various oscillating tool brands like DeWalt, Black+Decker, Ridgid, Stanley, Ryobi, Craftsman, Chicago, Westfalia, Einhell, Bosch, Skil, Makita, Milwaukee, Fein, and Rockwell.

**Note:** While designed for universal fit, some specific tool models, such as Fein Starlock systems, may require specific adapters or may not be compatible. Always check your tool's manual for accessory requirements.

### SETUP AND INSTALLATION

1. **Power Off:** Ensure your oscillating multi-tool is unplugged or its battery is removed before attempting to attach or remove any accessories.
2. **Select Blade:** Choose the appropriate carbide blade for your task (Semicircle for general grinding, Triangular for corners/detail, Finger for tight spaces).

### 3. Attach Blade:

- For quick-release systems: Open the tool's blade clamp mechanism. Align the blade's universal mounting pattern with the tool's spindle. Close the clamp firmly until the blade is secure.
- For screw-on systems: Place the blade onto the tool's spindle, ensuring the holes align. Insert and tighten the retaining screw with the appropriate wrench until the blade is firmly held in place. Do not over-tighten.

4. **Verify Security:** Gently tug on the blade to ensure it is securely fastened and does not wobble. A loose blade can be dangerous and ineffective.



*This image displays various applications of the oscillating blades, including grinding tile grout and removing material, and also shows a hand installing a blade onto an oscillating tool.*

## OPERATING INSTRUCTIONS

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These carbide blades are designed for grinding, rasping, and material removal on tough surfaces. Always follow your oscillating tool's operating instructions in conjunction with these blade-specific guidelines.

1. **Material Preparation:** Ensure your workpiece is stable and secured to prevent movement during operation. Clear the work area of any obstructions.
2. **Tool Settings:** Adjust your oscillating tool's speed setting according to the material being worked on. Lower speeds are generally recommended for harder materials or when more control is needed.
3. **Application:**
  - **Grinding/Rasping:** Apply light, consistent pressure. Allow the carbide grit to do the work. Move the blade steadily across the surface. Avoid excessive force, which can overheat the blade and reduce its lifespan.
  - **Grout Removal:** Use the Semicircle or Triangular blade. Angle the blade slightly to engage the grout line. Move slowly and carefully to avoid damaging adjacent tiles.
  - **Detail Work:** The Finger blade is ideal for precise material removal in tight corners or intricate patterns.
4. **Dust Management:** For tasks that generate significant dust, consider using a dust extraction attachment with your oscillating tool if available, or wear a respirator.
5. **Cooling:** For prolonged use on very hard materials, allow the blade to cool periodically to prevent overheating.



*A close-up image showing a triangular carbide blade actively grinding away tile grout, demonstrating its effectiveness in surface preparation.*

## MAINTENANCE

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- **Cleaning:** After each use, clean the blades to remove any accumulated dust, debris, or material residue. A stiff brush can be used. Avoid harsh chemicals that may damage the blade material.
- **Inspection:** Regularly inspect blades for wear, damage, or dullness. Replace blades that show signs of significant wear or damage to ensure optimal performance and safety.
- **Storage:** Store blades in a dry environment to prevent rust. Keep them in their original packaging or a suitable storage case to protect the carbide grit and prevent accidental injury.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
Blade does not fit tool.	Tool has a proprietary mounting system (e.g., Fein Starlock) not compatible with universal fit.	Verify your tool's specific mounting requirements. Some tools may require an adapter (not included) or are incompatible with universal blades.

Problem	Possible Cause	Solution
Blade is not cutting/grinding effectively.	Blade is dull or damaged; insufficient pressure; incorrect tool speed.	Replace the blade. Apply light, consistent pressure. Adjust tool speed to match the material.
Excessive vibration or noise.	Blade is loose; blade is bent or damaged.	Ensure the blade is securely fastened. Inspect the blade for damage and replace if necessary.

## SPECIFICATIONS

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- **Model Number:** TK663-FO
- **Material:** Carbide (grit), Metal (blade body)
- **Number of Pieces:** 6 (includes 3 unique blade types, 2 of each)
- **Style:** Heavy Duty
- **Item Weight:** Approximately 7.2 ounces (total package)
- **Package Dimensions:** Approximately 5.91 x 4.1 x 1.65 inches

## WARRANTY AND SUPPORT

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For warranty information or technical support regarding your TechKen Carbide Oscillating Saw Blade Set, please refer to the retailer's return policy or contact TechKen customer service through the platform where the product was purchased. Please have your model number (TK663-FO) and purchase date available.