

## ZORO SELECT V0947

# ZORO SELECT 7-inch Fiber Disc V0947 Instruction Manual

## INTRODUCTION

This manual provides essential instructions for the safe and effective use of the ZORO SELECT V0947 7-inch Fiber Disc. This abrasive disc is designed for various grinding and finishing applications, featuring an aluminum oxide abrasive material and a durable fiber backing. Please read this manual thoroughly before operation to ensure proper usage and to prevent injury or damage.

## SAFETY INFORMATION

Always prioritize safety when working with abrasive tools. Failure to follow these safety guidelines may result in serious injury.

- **Wear Personal Protective Equipment (PPE):** Always wear safety glasses or a face shield, hearing protection, gloves, and appropriate respiratory protection.
- **Inspect Disc Before Use:** Before each use, inspect the fiber disc for any signs of damage, cracks, or wear. Do not use damaged discs.
- **Check Tool Compatibility:** Ensure the disc's maximum operating speed (8,600 RPM) does not exceed the speed rating of your power tool.
- **Secure Workpiece:** Always secure the workpiece firmly to prevent movement during operation.
- **Proper Mounting:** Mount the disc correctly and securely onto the appropriate backing pad and power tool spindle.
- **Avoid Excessive Pressure:** Do not apply excessive pressure, as this can cause disc breakage or premature wear.
- **Ventilation:** Work in a well-ventilated area to minimize inhalation of dust particles.
- **Keep Bystanders Away:** Ensure no one is in the immediate work area to prevent injury from flying debris.

## SETUP AND INSTALLATION

Follow these steps to properly install the fiber disc onto your power tool.

1. **Power Tool Preparation:** Disconnect the power tool from its power source before attempting any installation or adjustment.
2. **Select Backing Pad:** Choose a backing pad that is compatible with a 7-inch fiber disc and has a 7/8-inch arbor hole. The backing pad should be in good condition, free from cracks or excessive wear.
3. **Mount Disc:** Align the 7/8-inch unthreaded hole of the fiber disc with the spindle of the backing pad. Ensure the disc sits flat and centered on the pad.
4. **Secure Assembly:** Attach the backing pad with the fiber disc to the power tool's spindle, tightening it securely according to the tool manufacturer's instructions. Do not overtighten.
5. **Final Check:** Before connecting power, manually rotate the disc to ensure it is properly seated and spins freely without wobbling.



*Image 1: ZORO SELECT 7-inch Fiber Disc. This image shows the brown, circular fiber disc with a central 7/8-inch arbor hole, ready for mounting on a compatible backing pad.*

## OPERATING INSTRUCTIONS

Proper operating techniques ensure optimal performance and safety.

- **Start Slowly:** Begin operation with the disc slightly off the workpiece, then gradually bring it

into contact.

- **Maintain Angle:** Hold the power tool at a consistent angle (typically 15-30 degrees) to the workpiece surface for effective material removal and to prevent gouging.
- **Even Pressure:** Apply light, even pressure. Let the abrasive do the work. Excessive pressure can lead to overheating, premature wear, and reduced efficiency.
- **Consistent Movement:** Move the disc across the workpiece in a consistent pattern to achieve a uniform finish and prevent localized overheating.
- **Avoid Edges:** Be cautious when working near edges or corners, as this can cause the disc to catch or fray.
- **Monitor Heat:** Periodically check the workpiece for excessive heat buildup, which can indicate improper technique or a dull disc.

## MAINTENANCE AND STORAGE

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Proper maintenance and storage extend the life of your fiber discs.

- **Inspect After Use:** After each use, inspect the disc for wear, damage, or embedded debris. Discard heavily worn or damaged discs.
- **Cleaning:** Lightly brush off any accumulated dust or debris from the disc surface. Do not use liquids or harsh chemicals.
- **Storage:** Store fiber discs flat in a cool, dry place, away from direct sunlight, moisture, and extreme temperatures. Proper storage prevents warping and degradation of the abrasive material.
- **Keep Dry:** Moisture can weaken the fiber backing and reduce disc performance.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
Poor material removal / Slow grinding	Dull or clogged disc; Insufficient pressure; Incorrect disc for material	Replace disc; Increase pressure slightly; Ensure correct grit for application
Excessive heat buildup	Too much pressure; Disc is dull; Insufficient movement across workpiece	Reduce pressure; Replace disc; Maintain consistent movement
Disc wobbles or vibrates	Improperly mounted disc; Damaged backing pad; Damaged disc	Re-mount disc securely; Inspect/replace backing pad; Replace disc
Premature disc wear	Excessive pressure; Incorrect angle; Disc not suitable for application	Reduce pressure; Adjust grinding angle; Use appropriate disc for material/task

## SPECIFICATIONS

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**Brand:** ZORO SELECT

**Model/Series:** V0947

**Overall Diameter:** 7 inches (177.8 mm)

**Connector Size (Arbor):** 7/8 inches (22.2 mm)

**Abrasive Type:** Coated

**Abrasive Material:** Aluminum Oxide

**Backing Material:** Fiber

**Grit:** 50 (Coarse)

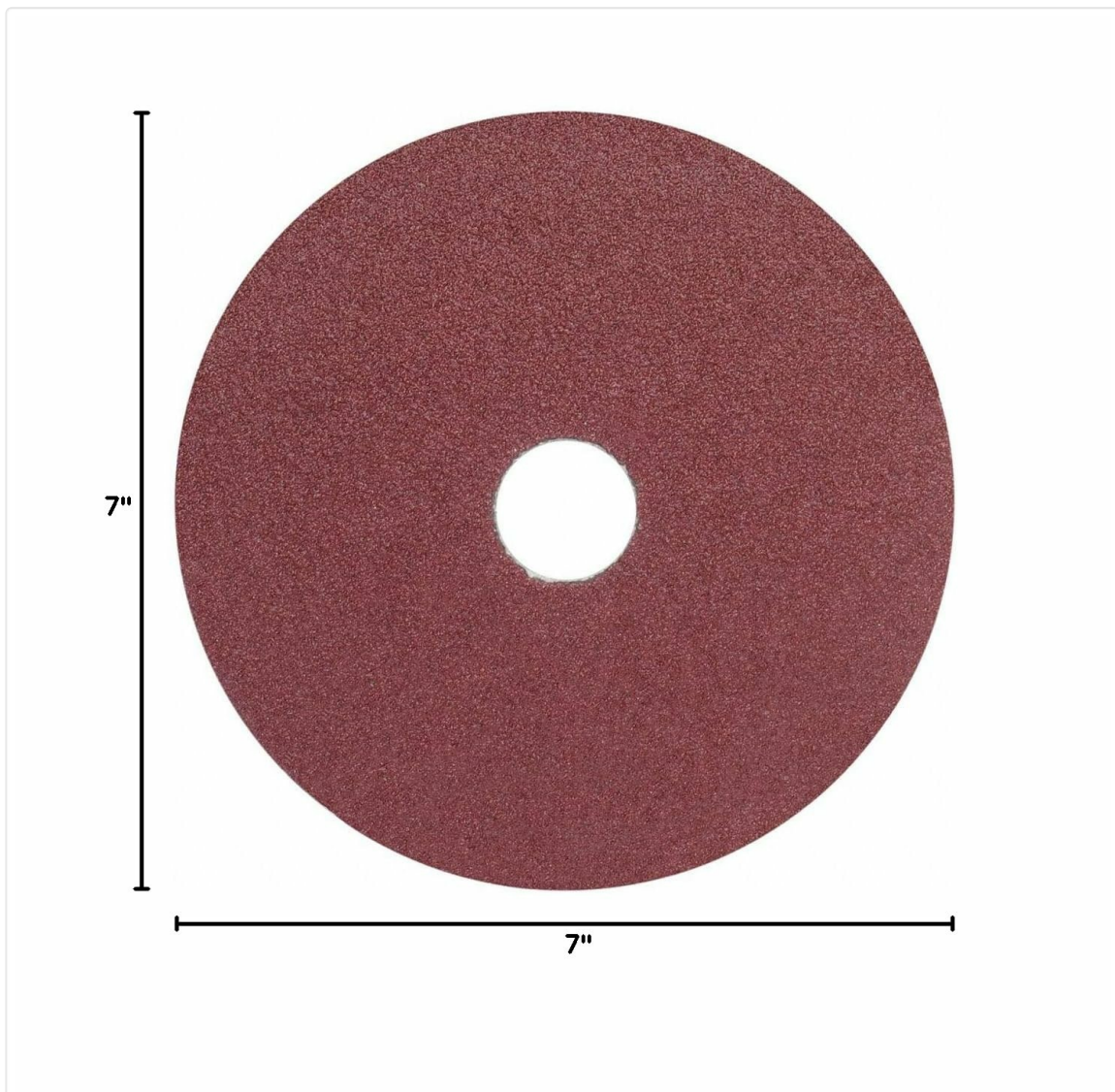
**Maximum Operating Speed:** 8,600 RPM

**Resistance Properties:** Tear

**Color:** Brown

**Package Quantity:** 25 discs

**Product Dimensions:** 7"L x 7"W x 0.04"H (approximate)



*Image 2: ZORO SELECT 7-inch Fiber Disc with Dimensions. This image illustrates the 7-inch diameter of the fiber disc, indicating its overall size.*

## WARRANTY AND SUPPORT

For specific warranty information or technical support regarding your ZORO SELECT V0947 Fiber Disc, please refer to the original purchase documentation or contact ZORO SELECT customer service directly. Ensure you have your product model number (V0947) and purchase details available

when contacting support.

**Contact Information:** Please visit the official ZORO SELECT website for the most current contact details and support resources.