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› [WORKPRO Rotary Tool Set W124003 Instruction Manual](#)

WORKPRO W124003

WORKPRO Rotary Tool Set W124003 Instruction Manual

Model: W124003

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your WORKPRO Rotary Tool Set W124003. This versatile tool is designed for various applications including grinding, engraving, sanding, polishing, and cutting. Please read this manual thoroughly before operation and keep it for future reference.

2. PRODUCT CONTENTS

The WORKPRO Rotary Tool Set W124003 includes a comprehensive collection of accessories for various tasks. Please verify that all items listed below are present in your kit.



Figure 2.1: Overview of the WORKPRO Rotary Tool Set W124003, showcasing the complete 276-piece kit within its transparent storage case.

- Sanding Bands: 52 pieces
- Sanding Discs: 40 pieces
- Emery Cut-off Wheels: 36 pieces
- Grinding Compound: 1 piece
- Fiberglass Cut-off Wheels: 16 pieces
- Flap Wheels: 4 pieces
- Felt Polishing Wheels: 8 pieces
- Felt Tip: 1 piece
- Silicon Carbide Grinding Stones: 6 pieces
- Aluminum Oxide Grinding Stones: 6 pieces
- White Aluminum Oxide Wheels: 6 pieces
- Diamond Wheels: 2 pieces
- Dressing Stone: 1 piece
- Collets: 3 pieces
- Wrench: 1 piece
- Rubber Emery Wheels: 2 pieces
- Diamond Cutters: 9 pieces
- HSS Twist Drill Bits: 9 pieces
- Mandrel Wheels: 3 pieces
- Sanding Shanks: 3 pieces
- Suction Cup: 1 piece

- Rubber Grinding Stones: 6 pieces
- Silicon Carbide Grinding Stones: 4 pieces



Figure 2.2: The rotary tool set opened, displaying the organized arrangement of various accessories in both the top and bottom compartments.



Figure 2.3: A detailed view of the grinding and sanding accessories, including various grit sizes and shapes for different applications.



Figure 2.4: The upper tray of the accessory kit, featuring an assortment of bits such as grinding stones, diamond cutters, and brushes.

3. SAFETY INSTRUCTIONS

Always follow basic safety precautions when using this rotary tool to reduce the risk of injury or damage. Failure to do so may result in serious injury.

- **Eye Protection:** Always wear ANSI-approved safety goggles or safety glasses with side shields when operating the tool.
- **Respiratory Protection:** Wear a dust mask or respirator, especially when working with materials that produce fine dust.
- **Work Area:** Keep your work area clean, well-lit, and free of clutter. Ensure adequate ventilation.
- **Secure Workpiece:** Always secure the workpiece with clamps or a vise. Never hold the workpiece by hand.
- **Proper Attire:** Do not wear loose clothing, jewelry, or long hair that can get caught in moving parts.
- **Power Source:** Ensure the power source matches the tool's requirements. Unplug the tool when not in use or when changing accessories.
- **Avoid Overreaching:** Maintain proper footing and balance at all times.
- **Tool Condition:** Inspect the tool and accessories for damage before each use. Do not use damaged tools or accessories.
- **Children and Bystanders:** Keep children and bystanders away from the operating area.
- **Flammable Materials:** Do not operate the tool near flammable liquids, gases, or dust.

4. SETUP

Before operating your rotary tool, follow these steps for proper setup:

1. **Unpack:** Carefully remove all components from the packaging. Retain packaging for storage or transport.
2. **Inspect:** Check the tool and all accessories for any signs of damage from shipping. Do not use if damaged.
3. **Select Accessory:** Choose the appropriate accessory for your task (e.g., grinding stone, sanding band, cutting wheel).
4. **Insert Accessory:**
 - Press and hold the shaft lock button on the rotary tool.
 - Unscrew the collet nut.
 - Insert the accessory shank fully into the collet.
 - Tighten the collet nut securely with the provided wrench. Do not overtighten.
 - Release the shaft lock button.
5. **Power Connection:** Ensure the tool's power switch is in the "OFF" position before plugging it into a suitable power outlet.

5. OPERATING INSTRUCTIONS

Once set up, you can begin using your WORKPRO Rotary Tool. Always practice on scrap material first.

1. **Power On:** Plug the tool into the power outlet. Turn the power switch to the "ON" position.
2. **Speed Adjustment:** If your model has variable speed control, adjust the speed according to the material and accessory being used. Higher speeds are generally for harder materials and smaller accessories, while lower speeds are for softer materials and larger accessories.
3. **Application:**
 - **Grinding/Engraving:** Apply light, consistent pressure. Let the tool do the work. Move the tool smoothly across the workpiece.
 - **Sanding:** Use appropriate grit sanding bands/discs. Move the tool in a circular or back-and-forth motion to achieve an even finish.
 - **Cutting:** Use cut-off wheels for cutting. Ensure the workpiece is stable. Apply gentle pressure and allow the wheel to cut through the material.
 - **Polishing:** Use felt wheels with polishing compound. Apply a small amount of compound to the wheel and polish the surface with light pressure.
4. **Power Off:** When finished, turn the power switch to the "OFF" position and unplug the tool from the power outlet.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your rotary tool.

- **Cleaning:** After each use, unplug the tool and use a soft brush or compressed air to remove dust and debris from the ventilation openings and around the collet.
- **Accessory Storage:** Store accessories in their designated compartments within the case to prevent damage and loss.
- **Tool Storage:** Store the rotary tool in a dry, secure location, out of reach of children.
- **Cord Inspection:** Regularly inspect the power cord for any cuts, fraying, or damage. Do not use the tool if the cord is damaged.
- **Brush Replacement:** (If applicable for this model) Refer to a qualified service technician for carbon brush inspection and replacement if the tool experiences reduced power or intermittent operation.

7. TROUBLESHOOTING

If you encounter issues with your WORKPRO Rotary Tool, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tool does not turn on.	No power supply; Faulty power switch; Damaged cord.	Check power outlet; Ensure switch is ON; Inspect cord for damage.
Accessory wobbles or vibrates excessively.	Accessory not properly inserted; Collet nut loose; Bent accessory shank.	Re-insert accessory fully and tighten collet nut; Replace bent accessory.
Tool overheats.	Blocked ventilation; Excessive pressure during operation; Prolonged use.	Clean ventilation slots; Reduce pressure; Allow tool to cool down.
Poor performance (e.g., slow grinding).	Worn accessory; Incorrect speed setting; Inappropriate accessory for material.	Replace worn accessory; Adjust speed; Select correct accessory for task.

8. SPECIFICATIONS

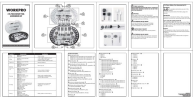
Key technical specifications for the WORKPRO Rotary Tool Set W124003:


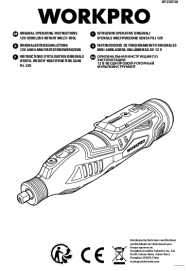



- Brand:** WORKPRO
- Model Number:** W124003
- Product Dimensions (Approx.):** Length 240mm x Width 290mm x Thickness 57mm
- Product Weight (Approx.):** 838 g
- Total Weight (Approx.):** 860 g (including packaging)
- Power Source:** Corded Electric
- Quantity:** 1 Set

9. WARRANTY AND SUPPORT

According to the product information, there is no specific warranty provided for this item. For any product inquiries, technical assistance, or support, please contact the seller or WORKPRO customer service directly through their official channels. You can visit the official WORKPRO store on Amazon for more information: [WORKPRO Store](#)

Related Documents - W124003

	<p>WORKPRO 276-Piece Rotary Tool Accessories Kit: Operating Instructions and Safety</p> <p>Comprehensive guide to the WORKPRO 276-Piece Rotary Tool Accessories Kit, including safety instructions, intended use, and detailed product descriptions for drilling, milling, engraving, polishing, and cutting applications.</p>
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	<p>WORKPRO 12.5A Rotary Hammer W125174A - Operating Instructions and Safety Guide</p> <p>Official operating instructions and safety guide for the WORKPRO 12.5A Rotary Hammer, model W125174A (Z1C-DS-32MA/T). Covers features, operation, safety warnings, maintenance, and disposal.</p>
	<p>WORKPRO 12V Cordless Rotary Multi-tool Operating Instructions & Safety Guide</p> <p>Comprehensive operating instructions and safety guide for the WORKPRO 12V Cordless Rotary Multi-tool, covering assembly, operation, maintenance, and safety precautions.</p>
	<p>WORKPRO 12V Cordless Rotary Multi-Tool Operating Instructions</p> <p>Comprehensive operating instructions and safety guidelines for the WORKPRO 12V Cordless Rotary Multi-Tool (Model W123015A). Learn about product features, assembly, operation, maintenance, and safe disposal.</p>
	<p>WORKPRO Mechanic Tool Set Operator's Manual</p> <p>Operator's manual for the WORKPRO Mechanic Tool Set, detailing safety warnings, features, intended use, operation, and maintenance. Includes information on the quick-release ratchet handle and socket construction.</p>
	<p>WORKPRO 7.5A Rotary Hammer Operating Instructions</p> <p>Official operating instructions for the WORKPRO 7.5A Rotary Hammer (Model Z1C-DS-26FW). Learn about safety, operation, maintenance, and specifications for this power tool.</p>