

PHALANX P03

PHALANX 180W Rotary Tool Kit User Manual

Model: P03 | Brand: PHALANX

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your PHALANX 180W Rotary Tool Kit. Please read all instructions carefully before use to ensure proper handling and to prevent potential hazards.

The PHALANX Rotary Tool is a versatile power tool designed for various crafting projects and DIY creations, including cutting, grinding, polishing, sanding, drilling, engraving, milling, and more.

PRODUCT OVERVIEW

The PHALANX 180W Rotary Tool Kit comes with a comprehensive set of accessories and features designed for optimal performance and user convenience.

Main Components

- 1x Mini Grinder (Rotary Tool)
- 1x Storage Box
- 1x Auxiliary Handle
- 1x Flexible Shaft
- 1x Drill Locator
- 1x Cover Shield
- 2x Wrench
- 2x Wire Brush
- 5x Cut Off Wheel
- 3x Mini HSS Cutting Disc
- 3x Diamond Cutting Disc
- 16x Sanding Drum
- 12x Felt Wheel

- 6x Abrasive Stone
- 5x Mandrel
- 8x Diamond Burr Bit
- 4x HSS Twist Drill
- 3x Rotary Burr
- 60x Sanding Paper Disc
- 1x Oilstone
- 4x Collet

Key Features

Powerful 180W Motor & 6 Variable Speeds

The rotary tool is equipped with a robust 180W motor, offering a variable speed range from 8,000 to 35,000 RPM. The 6-speed adjustment allows for precise control tailored to different tasks and materials.

180W High Power & 6-Speed

Powerful Motor, Stable Speed, Multi-Speed Adjustable



Image: Close-up of the PHALANX rotary tool highlighting its 180W motor and 6-speed adjustment dial.

Keyless Chuck for Easy Accessory Changes

Featuring a keyless chuck, this tool allows for quick and effortless accessory changes without the need for additional tools. It also includes 2 additional high-quality collets for enhanced stability.



Image: Detailed view of the keyless chuck mechanism on the rotary tool.

Broad Compatibility with Various Collet Sizes

The tool is compatible with multiple collet sizes, including 1/8", 1/16", 3/32", and 3/25", ensuring stable fixing of accessories for diverse applications like grinding, cutting, wood carving, sanding, and engraving.



Image: Illustration demonstrating the compatibility of the rotary tool with different collet sizes and accessories.

Enhanced Durability and User Comfort

Designed with a comfortable and stable handle, the tool operates with lower noise levels. Innovative blockers prevent unintended speed gear changes, and ventilation holes ensure heat dissipation, extending service life.



Image: Visual representation of the rotary tool's ergonomic design and ventilation system.

SETUP

- 1. Unpack the Kit:** Carefully remove all components from the storage box. Verify that all listed accessories are present.
- 2. Inspect the Tool:** Before first use, inspect the rotary tool and all accessories for any signs of damage. Do not use if any part is damaged.
- 3. Select the Right Accessory:** Choose the appropriate accessory (e.g., cutting disc, sanding drum, burr bit) for your specific task. Refer to the accessory use chart provided in the kit.
- 4. Install the Accessory:**
 - Press and hold the spindle lock button on the tool.
 - Unscrew the collet nut.
 - Insert the accessory shaft into the collet. Ensure it is fully seated.
 - Tighten the collet nut firmly using the provided wrench, while still holding the spindle lock button. Release the button once tightened.



Keyless chuck



CUTTING		GRINDING		POLISHING		DRILLING	
Silicon carbide cut off wheels 36pcs		Silicon carbide grinding wheels 3pcs		Polishing compound		High-speed cutting cutter	
SANDING		CUTTING		GRINDING		DRILLING	
Slim sanding drums 10pcs & Big sanding drums 10pcs		Diamond cutting disc 2pcs		Mini HSS cutting 2pcs		HSS twist drill 3pcs	
Sanding paper 80pcs		HPP cut off wheels fiberglass 6pcs		Aluminum oxide grinding wheels 6pcs			
POLISHING		CARVING ENGRAVING		ATTACHMENT			
Big felt wheels 4pcs & Small felt wheels 8pcs		Steel brushes & Bristle brushes		Sharpening attachment			
ACCESSORIES							
Collets		Wrench		Drill locator			
Collets		Spanner		Sanding guide			
				Upgraded flex shaft			

Image: An array of accessories included with the PHALANX rotary tool kit, demonstrating the variety available for different tasks.

5. **Attach Optional Attachments (if needed):** For tasks requiring precision or extended reach, attach the flexible shaft or drill locator as per their individual instructions.
6. **Connect to Power:** Plug the tool into a standard 110V (AC) power outlet. Ensure the power switch is in the "OFF" position before plugging in.

OPERATING INSTRUCTIONS

1. **Power On:** Slide the ON/OFF switch to the "ON" position.
2. **Adjust Speed:** Use the 6-speed adjustment dial to select the desired RPM (8,000-35,000 RPM) for your task and material. Start with a lower speed and gradually increase if necessary.
3. **Begin Work:**
 - Hold the tool firmly.
 - Apply gentle, consistent pressure to the workpiece. Avoid excessive force, which can damage the tool or accessory.
 - For cutting or grinding, allow the accessory to reach full speed before contacting the material.



Image: A user demonstrating metal cutting with the rotary tool, showing sparks generated during operation.



More versatile
10+ new types of accessories

213PCS
fully upgraded
Keyless chuck; more durable flex shaft

Image: A user sanding a wooden piece with the rotary tool, illustrating its use for woodworking projects.



Image: A user engraving a design onto a terracotta pot using the flexible shaft attachment of the rotary tool.



Image: A user drilling into a wooden plank with the rotary tool, utilizing the drill locator for precise hole placement.

4. **Power Off:** Once finished, slide the ON/OFF switch to the "OFF" position and unplug the tool from the power outlet.

MAINTENANCE

- **Cleaning:** After each use, unplug the tool and clean it with a soft, dry cloth. Use a small brush to remove dust and debris from the ventilation openings. Do not use harsh chemicals or abrasive cleaners.
- **Accessory Care:** Clean accessories after use. Store them in the provided storage box to prevent damage and loss. Replace worn or damaged accessories promptly.
- **Storage:** Store the rotary tool and all accessories in their original storage box in a dry, secure location, out of reach of children.
- **Cord Inspection:** Regularly inspect the power cord for any cuts, fraying, or damage. If damaged, have it repaired by a qualified professional.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start.	No power supply; Power switch off; Damaged cord.	Check power outlet; Ensure switch is ON; Inspect and repair/replace cord.
Accessory wobbles or vibrates excessively.	Accessory not properly installed; Damaged or bent accessory; Incorrect collet size.	Reinstall accessory securely; Replace accessory; Use correct collet.
Tool overheats.	Blocked ventilation; Excessive continuous use; Overloading the tool.	Clear ventilation openings; Allow tool to cool down; Reduce pressure/load.
Reduced performance.	Worn accessory; Incorrect speed setting for material.	Replace accessory; Adjust speed setting.

SPECIFICATIONS

Feature	Detail
Brand	PHALANX
Model Number	P03 (PRT4335-PRO)
Voltage	110 Volts (AC)
Power Source	Corded Electric
Wattage	180 watts
Minimum Rotational Speed	8000 RPM
Maximum Rotational Speed	35000 RPM
Item Dimensions (L x W x H)	9.25 x 1.85 x 2.05 inches
Item Weight	4.51 pounds
Cord Length	1.5 Meters
Included Accessories	213 pieces (as listed in Product Overview)

WARRANTY AND SUPPORT

PHALANX provides comprehensive after-sales service for its products. For any questions, concerns, or support needs regarding your rotary tool kit, please refer to the contact information provided in your product packaging or visit the official PHALANX website.

This product is from a small business brand. Your support is appreciated.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question