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› PFERD 82972 Crimped Wire End Brush Instruction Manual

Pferd 82972

PFERD 82972 Crimped Wire End Brush

Instruction Manual

Model: 82972

PRODUCT OVERVIEW

The PFERD 82972 Crimped Wire End Brush is an industrial-grade abrasive tool designed for various surface preparation and finishing tasks. This brush features durable .006 carbon steel wire bristles and a 1/4-inch shank, making it suitable for use with compatible power tools such as drills and die grinders. It is commonly used for cleaning, deburring, rust removal, and light material removal on various surfaces.



An image showing the PFERD 82972 crimped wire end brush, featuring its carbon steel bristles and 1/4-inch shank.

SPECIFICATIONS

Attribute	Value
Item Weight	2 Pounds
Manufacturer	PFERD
Country of Origin	Germany
Brand	Pferd

Grit Material	Carbon Steel
Bristle Type	Crimped Wire
Number of Pieces (per pack)	10
ASIN	B0042T0YJC

SETUP

- Safety First:** Always ensure your power tool is turned off and unplugged from the power source before attaching or detaching any accessories.
- Tool Compatibility:** Select a power tool (e.g., drill, die grinder) that is compatible with a 1/4-inch shank and has a suitable RPM range for wire brushes.
- Secure Attachment:** Insert the 1/4-inch shank of the PFERD 82972 brush fully into the chuck or collet of your power tool. Tighten the chuck/collet securely to prevent the brush from slipping during operation.
- Personal Protective Equipment (PPE):** Before starting, always wear appropriate PPE, including safety glasses, a face shield, and work gloves, to protect against flying debris and wire fragments.

OPERATING INSTRUCTIONS

- Workpiece Security:** Ensure the workpiece is securely clamped or held to prevent movement during brushing.
- Start Slowly:** Begin operating the power tool at a low RPM and gradually increase to the desired speed. Avoid exceeding the maximum RPM rating of your power tool or the brush (if specified).
- Apply Light Pressure:** Use light, consistent pressure. Excessive force can cause premature wear, wire breakage, or damage to the workpiece. Let the tips of the wires do the work.
- Maintain Angle:** Hold the brush at an appropriate angle to the surface to maximize contact and effectiveness, typically a slight angle rather than flat.
- Direction of Rotation:** Be aware of the brush's rotation direction relative to the workpiece. For optimal results and safety, the brush should generally rotate away from the edge of the workpiece.
- Ventilation:** Work in a well-ventilated area, especially when generating dust or fine particles.

MAINTENANCE

- Cleaning:** After each use, clean the brush to remove any accumulated debris, metal shavings, or residue. A stiff brush or compressed air can be used.
- Inspection:** Regularly inspect the wire bristles for signs of wear, damage, or excessive fraying. Check the shank for any bends or damage.

- **Storage:** Store the brush in a clean, dry place to prevent corrosion of the carbon steel wires. Keep it away from moisture and corrosive substances.
- **Replacement:** Replace the brush if the wires are significantly worn down, bent, or if the brush shows any signs of damage that could affect its performance or safety.

TROUBLESHOOTING

Issue	Possible Cause	Solution
Ineffective cleaning/material removal	Insufficient RPM, worn bristles, incorrect pressure/angle	Increase RPM (within safe limits), replace brush, adjust pressure and angle
Excessive wire breakage	Too much pressure, incorrect RPM, brush overloaded, worn brush	Reduce pressure, ensure correct RPM, use for appropriate tasks, replace brush
Brush wobbles or vibrates excessively	Shank not fully inserted, chuck/collet not tightened, bent shank	Ensure shank is fully inserted and tightened, inspect shank for damage and replace if bent

SAFETY INFORMATION

- WARNING:** Failure to follow these safety instructions may result in serious injury or property damage.
- Always wear ANSI Z87.1 approved eye protection (safety glasses and/or face shield) when operating wire brushes.
 - Wear appropriate hand protection (gloves) to protect against sharp wires and debris.
 - Ensure the workpiece is stable and securely fastened before beginning work.
 - Do not use brushes that are damaged, bent, or have missing wires.
 - Keep bystanders clear of the work area.
 - Never exceed the maximum safe operating speed (RPM) specified for the brush or your power tool.
 - Read and understand the instruction manual for your power tool before using this brush.
 - Avoid applying excessive side pressure, which can cause wire breakage.

WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or service, please contact PFERD customer service directly. Refer to the official PFERD website or product packaging for the most current contact details and warranty terms.

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

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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