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Metabo WEA 14-125 Plus

Metabo WEA 14-125 Plus Angle Grinder User Manual

Model: WEA 14-125 Plus (601105000)

1. PRODUCT OVERVIEW

The Metabo WEA 14-125 Plus is a powerful 125 mm angle grinder designed for various grinding and cutting applications. This manual provides essential information for safe operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your tool.



This image displays the Metabo WEA 14-125 Plus Angle Grinder. It features a dark green and black body with a silver-colored gear housing. A red side handle with the 'metabo' logo is attached, and a grinding wheel is visible under the protective guard. The power cord extends from the rear of the tool.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent electric shock, fire, and serious injury.

- **Work Area Safety:** Keep the work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating the tool. Wear a dust mask if operations create dust. Do not overreach. Keep proper footing and balance at all times.
- **Power Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- **Specific Angle Grinder Safety:**
 - Always use the guard provided with the tool.
 - Ensure the grinding wheel is correctly mounted and tightened before use.
 - Do not use damaged or incorrect accessories.
 - Allow the tool to reach full speed before applying it to the workpiece.
 - Be aware of kickback and how to avoid it.

3. SETUP

Before operating the angle grinder, ensure it is properly set up.

1. **Unpacking:** Carefully remove the angle grinder and all accessories from the packaging. Inspect for any damage. Do not use the tool if any part is damaged.

2. **Attaching the Side Handle:** The side handle can be screwed into either the left or right side of the gear housing, depending on user preference and application. Ensure it is securely tightened.

Refer to the product image for the typical placement of the side handle.

3. **Mounting the Grinding Wheel:**

- Ensure the tool is unplugged from the power source.
- Press the spindle lock button to secure the spindle.
- Place the inner flange onto the spindle.
- Position the grinding wheel (e.g., 125 mm abrasive wheel, Type 27) onto the inner flange, ensuring it sits flush.
- Screw the outer flange (clamping nut) onto the spindle.
- Use the spanner wrench to firmly tighten the outer flange while holding the spindle lock.

4. **Adjusting the Guard:** The protective guard must always be used. Adjust its position to provide maximum protection for the operator, directing sparks and debris away from the user. Loosen the guard's clamping screw, rotate the guard to the desired position, and then securely tighten the screw.

4. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation.

1. **Powering On/Off:**

- To switch on, slide the switch forward. For continuous operation, press the front part of the switch down until it locks.
- To switch off, release the switch. If locked for continuous operation, press the rear part of the switch to release it.

2. **Grinding:**

- Hold the tool firmly with both hands.

- Allow the grinding wheel to reach full speed before contacting the workpiece.
- Apply light, even pressure. Do not press too hard, as this can reduce wheel life and motor efficiency.
- Maintain an angle of approximately 15-30 degrees between the grinding wheel and the workpiece surface for optimal material removal.

3. Cutting:

- For cutting, use appropriate cutting discs and ensure the guard is correctly positioned.
- Hold the tool firmly. Make straight cuts without tilting the disc.
- Do not apply side pressure to the cutting disc, as this can cause it to bind or break.
- Ensure the workpiece is securely clamped.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Metabo angle grinder.

- **Cleaning:** Regularly clean the ventilation slots to prevent overheating. Use a soft brush or compressed air. Do not use water or solvents.
- **Carbon Brushes:** This tool uses carbon brushes. If the motor sparks excessively or the tool loses power, the carbon brushes may need replacement. This should ideally be performed by a qualified service technician.
- **Power Cord:** Inspect the power cord regularly for damage. If damaged, have it replaced by a qualified electrician to avoid electrical hazards.
- **General Inspection:** Periodically check all screws and fasteners for tightness. Ensure the guard and side handle are securely attached.

6. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Tool does not start.	No power supply; damaged power cord; faulty switch.	Check power outlet and cord. If cord or switch is damaged, have it repaired by a qualified technician.
Excessive sparking at motor.	Worn carbon brushes.	Have carbon brushes inspected and replaced by a service technician.
Tool overheats.	Blocked ventilation slots; continuous heavy load.	Clean ventilation slots. Reduce load and allow the tool to cool.
Grinding wheel vibrates excessively.	Improperly mounted wheel; damaged wheel; worn flanges.	Ensure wheel is correctly mounted and tightened. Replace damaged wheel or flanges.

7. TECHNICAL SPECIFICATIONS

Key technical data for the Metabo WEA 14-125 Plus Angle Grinder.

Brand: Metabo

Model Number: 601105000

Power: 1400 Watts

Voltage: 230 Volts

Grinding Wheel Diameter: 125 mm

Spindle Thread: M 14

Product Dimensions (L x W x H): 13 x 37.2 x 12.4 cm

Weight: 2000 Grams (2 kg)

Power Source: Corded Electric

Material: Plastic

Color: Green

8. WARRANTY AND SUPPORT




For warranty information, service, or technical support, please refer to the documentation provided with your purchase or contact Metabo customer service directly. Keep your proof of purchase for warranty claims.

You can find more information on the official Metabo website:www.metabo.com



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Related Documents - WEA 14-125 Plus

 <p>metabo</p> <p>DW 125 DW 10-125 Quick</p> <p>www.metabo.com</p>	<p>Metabo DW 125 & DW 10-125 Quick Air Angle Grinder Operating Instructions</p> <p>Comprehensive operating instructions and safety guide for Metabo DW 125 and DW 10-125 Quick compressed air angle grinders. Covers specifications, usage, maintenance, and safety precautions.</p>
 <p>metabo</p> <p>CED 125 CED 125 Plus</p> <p>www.metabo.com</p>	<p>Metabo CED 125 & CED 125 Plus Operating Instructions</p> <p>Comprehensive operating instructions for the Metabo CED 125 and CED 125 Plus cutting systems, detailing safety, usage, maintenance, and accessories.</p>
 <p>metabo</p> <p>WEF 9-125 WEPF 9-125 WF 18 LTX 125 WPF 18 LTX 125</p> <p>www.metabo.com</p>	<p>Metabo WEF 9-125, WEPF 9-125, WF 18 LTX 125, WPF 18 LTX 125 Operating Instructions</p> <p>This document provides operating instructions and safety information for Metabo angle grinders, including models WEF 9-125, WEPF 9-125, WF 18 LTX 125, and WPF 18 LTX 125. It covers specified use, general safety, specific safety warnings for grinding, sanding, and cutting-off operations, troubleshooting, maintenance, and technical specifications.</p>

Comprehensive operating instructions and safety guidelines for Metabo angle grinders, including models WEF 9-125 Quick, WEPF 9-125 Quick, WVBF 18 LT BL 11-125 Quick, and WVBF 18 LTX BL 15-125 Quick. Learn about safe usage, technical specifications, and maintenance from Metabo.

Comprehensive operating instructions for the Metabo CED 125 and CED 125 Plus safety guards, detailing safe use, assembly, maintenance, and technical specifications for professional power tool applications.

Official parts list and exploded diagram for the Metabo WE 15-125 Quick angle grinder (model 00448390). Essential for identifying components for maintenance and repair.