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› Metabo 4.5-Inch / 5-Inch Variable Speed Angle Grinder | 2,800-10,500 RPM | 11.0 Amp | Slide Switch (Locking) | Electronics | WEV 11-125 User Manual

Metabo 603625420

Metabo WEV 11-125 Angle Grinder User Manual

Model: WEV 11-125 | Brand: Metabo

INTRODUCTION

The Metabo WEV 11-125, 4.5"/5" Pro Series Angle Grinder is engineered for durability, safety, and productivity in industrial grinding, cutting, and beveling applications. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Metabo angle grinder.



Image: The Metabo WEV 11-125 Angle Grinder, showcasing its compact design, side handle, and an installed grinding disc. The tool features a green and black body with a silver gear housing.

SAFETY INFORMATION

Always observe the following safety precautions when operating the Metabo WEV 11-125 Angle Grinder:

- **Read the Manual:** Familiarize yourself with all instructions and warnings before use.
- **Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, gloves, and a dust mask.
- **Work Area:** Keep the work area clean and well-lit. Do not operate in explosive atmospheres.
- **Electrical Safety:** Ensure the power supply matches the tool's requirements. Avoid body contact with grounded surfaces.
- **Tool Care:** Maintain tools with care. Keep cutting tools sharp and clean.
- **Kickback Prevention:** Be aware of the Metabo S-Automatic mechanical safety slip clutch which reduces kickback. Always maintain a firm grip.
- **Accessory Compatibility:** Only use accessories designed for this angle grinder and ensure they are correctly mounted.

COMPONENTS AND FEATURES

The Metabo WEV 11-125 Angle Grinder includes several key components and features designed for performance and safety:

- **LongLife Motor:** 11.0 Amp, AC, Variable Speed 2,800-10,500 RPM motor with patented dust protection.
- **Vario-Constamatic (VC) Electronics:** Full-wave variable speed electronics with a dial for customized speeds that remain almost constant under load.
- **S-Automatic Mechanical Safety Slip Clutch:** Reduces kickback if the accessory jams, enhancing user control.
- **Ergonomic Grip:** Smallest handle circumference in its class for reduced fatigue.
- **Lock-on Slide Switch:** Provides comfort for extended grinding applications.
- **Adjustable Guard:** Tool-free adjustable guard for convenient positioning and safety.
- **Die-Cast Aluminum Gear Housing:** Designed for heat dissipation and durability.
- **Winding Protection Grid:** Extends armature life in harsh environments.

SETUP AND ASSEMBLY

Attaching the Side Handle

The rubberized side handle can be attached to either side of the gear housing for optimal handling and reduced fatigue. Screw the handle firmly into one of the threaded holes on the gear housing.

Mounting the Guard

The guard is tool-free adjustable. Loosen the clamping lever, position the guard to cover the grinding disc appropriately for your application, and then secure the clamping lever firmly. Ensure the guard is always positioned to deflect sparks and debris away from the user.

Installing the Grinding Disc

1. Ensure the tool is unplugged from the power source.
2. Press the spindle lock button to prevent the spindle from rotating.
3. Place the inner flange onto the spindle.
4. Position the grinding disc onto the inner flange, ensuring it sits flat.
5. Thread the outer nut onto the spindle and tighten it securely using the provided wrench.

6. Release the spindle lock.

OPERATING INSTRUCTIONS

Powering On/Off

To turn the grinder on, slide the switch forward until it locks into the ON position. To turn it off, press the rear of the switch to release the lock and slide it back to the OFF position. The soft start feature ensures a smooth startup.

Adjusting Speed (Vario-Constamatic)

The WEV 11-125 features Vario-Constamatic (VC) electronics, allowing you to adjust the speed using the dial. Rotate the dial to select the desired RPM (2,800-10,500 RPM) suitable for the material and application. The electronics maintain a consistent speed even under load.

Grinding and Cutting Techniques

- Always hold the grinder firmly with both hands.
- Allow the disc to reach full operating speed before contacting the workpiece.
- Apply consistent, moderate pressure. Do not force the tool.
- For cutting, use a cutting disc and ensure the guard is positioned correctly. Make shallow passes to avoid overheating the disc.
- For grinding, use a grinding disc and move the tool smoothly across the surface.

MAINTENANCE

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

- **Cleaning:** Regularly clean the ventilation slots to prevent dust buildup, which can cause overheating. Use compressed air to blow out debris.
- **Cord Inspection:** Periodically inspect the power cord for damage. Do not use the tool with a damaged cord.
- **Brush Inspection:** Carbon brushes should be checked periodically by a qualified service technician.
- **Disc Condition:** Always inspect grinding and cutting discs for cracks or damage before use. Replace worn or damaged discs immediately.
- **Gear Housing:** The die-cast aluminum gear housing is designed for heat dissipation. Keep it clean and free of obstructions.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start	No power supply; Damaged cord; Faulty switch	Check power outlet and cord. If issues persist, consult a service technician.
Excessive vibration	Damaged or improperly mounted disc; Loose components	Inspect and replace disc if damaged. Ensure all components are securely fastened.
Tool overheats	Blocked ventilation slots; Overloading the tool	Clean ventilation slots. Reduce load and allow tool to cool.

Problem	Possible Cause	Solution
Motor stops under load (S-Automatic clutch activation)	Disc jamming in workpiece; Excessive pressure	Release pressure, allow disc to free up. Reduce pressure during operation.

SPECIFICATIONS

Specification	Value
Brand	Metabo
Model Number	603625420
Power Source	Corded Electric
Motor Amperage	11.0 Amp
Variable Speed Range	2,800-10,500 RPM
Wattage	570 watts
Item Weight	5.94 pounds
Country of Origin	Germany
Included Components	Angle Grinder, Guard, Flange, Nut, Handle, Wrench

WARRANTY INFORMATION

The Metabo WEV 11-125 Angle Grinder comes with a **3-Year Limited Warranty**. This warranty covers defects in material and workmanship under normal use. Please refer to the official Metabo warranty documentation for full terms and conditions.

Extended protection plans may also be available for purchase:

- 3-Year Protection Plan
- 4-Year Protection Plan
- Complete Protect (monthly renewal option)

For details on protection plans, please consult your retailer or the product's purchase page.

CUSTOMER SUPPORT

For further assistance, technical support, or service inquiries, please visit the official Metabo website or contact their customer service department.

You can also visit the [Metabo Store on Amazon](#) for product information and resources.



