Makita XAG04Z

Instruction Manual

Makita XAG04Z 18V LXT® Lithium-Ion Brushless Cordless 4-1/2” / 5" Cut-Off/Angle Grinder

Model: XAG04Z

Introduction

The Makita XAG04Z 18V LXT® Lithium-Ion Brushless Cordless 4-1/2” / 5” Cut-Off/Angle Grinder is engineered to deliver corded grinding performance without the need for a power cord. This tool is designed for professional use in various applications including grinding, cutting, and sanding a wide range of materials such as tile, concrete, pipe, and conduit. It features a Makita Brushless motor for extended run time, enhanced power, and increased speed, contributing to a longer tool life. The Automatic Speed Change technology optimizes performance by adjusting speed and torque during operation. This tool is part of Makita's 18V Lithium-Ion system, utilizing 18V LXT and compact Lithium-Ion batteries with Star Protection Computer Controls for protection against overloading, over-discharging, and overheating.



Image: The Makita XAG04Z Angle Grinder shown with its side handle, two wheel guards, and a grinding disc. This illustrates the main components of the tool.

Safety Information

Always observe basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury. Read all instructions carefully before operating the tool.

- **Wear Eye Protection:** Always wear safety goggles or safety glasses with side shields.
- **Wear Hearing Protection:** Use ear protection during extended operation.
- **Wear Gloves:** Protective gloves are recommended, especially when handling abrasive materials.
- **Secure Workpiece:** Always clamp or secure the workpiece to prevent movement during operation.
- **Proper Guarding:** Ensure the wheel guard is properly installed and adjusted for the specific application.
- **Avoid Overloading:** Do not force the tool; let the tool do the work at its intended speed.
- **Battery Safety:** Use only genuine Makita 18V LXT Lithium-Ion batteries. Non-genuine batteries may pose fire or injury risks.



Image: A warning graphic illustrating the dangers of using non-genuine "knock-off" Makita Lithium-Ion batteries, which can cause fires, personal injuries, or property damage. Always use genuine Makita batteries.

Components and Included Items

The Makita XAG04Z Angle Grinder (tool only) typically includes the following components:

- Makita XAG04Z Angle Grinder (Tool Body)
- Side Handle
- 5" Cut-Off Wheel Guard (126686-3)
- 5" Tool-less Wheel Guard (126687-1)
- 5" Ultra Thin Cut-Off Wheel, Stainless (B-46165)
- 5" x 1/4" x 7/8" INOX Grinding Wheel, 36 Grit (A-95962)
- Lock Nut Wrench (782424-9)

Note: Battery and charger are sold separately.

Setup

1. **Battery Installation:**

   Ensure the battery is fully charged. Align the battery pack with the battery port on the tool, then slide it in until it clicks into place. To remove, press the release button on the battery and slide it out.

2. **Side Handle Attachment:**

   Screw the side handle into one of the threaded holes on the gear housing. Choose the position that provides the best control and comfort for your application.

3. **Wheel Guard Installation:**

   Select the appropriate wheel guard (cut-off or tool-less) for your task. Position the guard over the spindle and secure it according to the specific guard type. Ensure it is firmly in place and provides maximum protection for the operation.

4. **Abrasive Wheel Installation:**

   Press the spindle lock button to prevent the spindle from rotating. Place the inner flange onto the spindle, followed

by the abrasive wheel. Ensure the wheel is correctly seated. Then, thread the lock nut onto the spindle and tighten it firmly using the provided lock nut wrench. Release the spindle lock.



Image: A hand demonstrating the proper grip on the Makita XAG04Z Angle Grinder, highlighting its ergonomic design for comfortable handling during operation.

Operating Instructions

1. **Powering On/Off:**

   To start the grinder, slide the lock-off button (if present) and then depress the trigger switch. To stop, release the trigger switch. Some models may have a slide switch that locks on for continuous operation; push it forward to engage and press the rear to release.

2. **Grinding/Cutting Technique:**

   Hold the tool firmly with both hands, ensuring a stable stance. Position the wheel at a slight angle to the workpiece for grinding, or perpendicular for cutting. Apply light, consistent pressure. Allow the tool's speed and power to do the work. Avoid excessive pressure, which can cause kickback or damage the wheel.

3. **Automatic Speed Change Technology (ASC):**

   The XAG04Z features ASC, which automatically adjusts the motor speed and torque during operation based on the load. This ensures optimal performance and efficiency for various applications without manual adjustment.

4. **Active Feedback-sensing Technology (AFT):**

   This safety feature automatically shuts off the motor if the rotation of the wheel is suddenly forced to stop, such as during a bind-up. This helps protect the user from kickback.



Image: A user operating the Makita XAG04Z Angle Grinder on a metal surface, wearing appropriate safety gloves and eye protection. This demonstrates the tool in action during a typical application.

Maintenance

Regular maintenance ensures optimal performance and extends the life of your tool.

- **Cleaning:** Regularly clean the tool's ventilation openings to prevent dust and debris buildup, which can cause overheating. Use a soft cloth and mild detergent. Do not use solvents.
- **Wheel Inspection:** Before each use, inspect the abrasive wheel for cracks, chips, or excessive wear. Replace damaged wheels immediately.
- **Guard Inspection:** Ensure the wheel guard is securely attached and undamaged.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods.
- **Storage:** When not in use, store the grinder in a dry, secure location out of reach of children.

Troubleshooting

Problem	Possible Cause	Solution
Tool does not start	Battery not inserted correctly or discharged.	Ensure battery is fully inserted. Charge battery if necessary.
Tool stops during operation	Overload protection (AFT) activated. Battery low.	Reduce pressure on workpiece. Allow tool to cool. Charge or replace battery.
Excessive vibration	Damaged or improperly installed wheel. Loose guard or handle.	Inspect and replace wheel if damaged. Re-install wheel and tighten lock nut. Check all attachments for tightness.
Reduced performance	Battery charge low. Overheating.	Charge battery. Allow tool to cool down.

Specifications

Feature	Detail
Model Number	XAG04Z
Voltage	18 Volts
Power Source	Battery Powered
Maximum Rotational Speed	8500 RPM
Product Dimensions (L x W x H)	13.3"L x 8.4"W x 5.5"H
Item Weight	0.634 ounces (Tool Only)
Material	Polymer
Special Features	Variable-speed, Automatic Speed Change Technology (ASC), Active Feedback-sensing Technology (AFT)



Image: An illustration detailing the Makita LXT Advantage, specifically highlighting the brushless motor technology that contributes to up to 50% longer motor life compared to non-brushless motors.

Warranty and Support

This Makita product comes with a standard warranty. For specific details regarding the warranty period and coverage, please refer to the warranty card included with your purchase or visit the official Makita website. The warranty typically covers defects in materials and workmanship under normal use.

For technical support, service, or warranty claims, please contact Makita customer service or an authorized service center. You can find contact information on the official Makita website or in your product documentation.

Makita Customer Service:

Website: www.makitatools.com

Phone: (800)4-MAKITA (if applicable, based on A+ content)

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