

Saker SK1201D

Saker Cordless Mini Angle Grinder SK1201D User Manual

Model: SK1201D

INTRODUCTION

This manual provides essential information for the safe and effective operation of your Saker Cordless Mini Angle Grinder SK1201D. Please read it thoroughly before first use and keep it for future reference.

The Saker Cordless Mini Angle Grinder is designed for cutting, grinding, sanding, polishing, and removing grout. Its compact and lightweight design allows for single-handed operation, making it ideal for working in small spaces or overhead. It features a powerful brushless motor for efficient performance.

HOW TO USE



Image: The Saker Cordless Mini Angle Grinder actively grinding metal, demonstrating its high efficiency in rust removal and polishing. The image shows a "Before" and "After" comparison of a metal piece, highlighting the tool's effectiveness.

SAFETY INSTRUCTIONS

WARNING: Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury.

- Always wear appropriate personal protective equipment (PPE) including safety glasses, gloves, and hearing protection.
- Ensure the workpiece is securely clamped or stabilized before operation.
- Keep hands and loose clothing away from rotating parts.
- Do not operate the tool in damp or wet conditions.
- Disconnect the battery before changing accessories, performing maintenance, or when the tool is not in use.
- Use only Saker-approved accessories and discs that are rated for the tool's maximum RPM.
- Store the tool and battery in a dry, secure location out of reach of children.
- Avoid applying excessive pressure, which can cause the disc to bind or break.

PACKAGE CONTENTS

Your Saker Cordless Mini Angle Grinder package includes the following items:

- Cordless Mini Angle Grinder Unit
- 12V Lithium-ion Battery (2000mAh)
- Battery Charger
- L-Wrench
- Assorted Cutting and Grinding Discs (5 pieces, including metal cutting, shutter grinding, tile joint cleaner, multi-function cutting, and metal grinding discs)
- Instruction Manual

ERGONOMIC DESIGN



Image: A visual representation of the complete accessories included with the Saker Cordless Mini Angle Grinder, such as various cutting and grinding discs, the battery, charger, and L-wrench.

PRODUCT OVERVIEW

Familiarize yourself with the components of your angle grinder before operation:



BRUSHLESS MOTOR SMALL BUT POWERFUL

Image: Labeled diagram of the Saker Cordless Mini Angle Grinder, highlighting key components such as the protection guard, spindle lock button (Red "C" Ring), On/Off switch, battery charge indicator, battery pack, and battery unlocking button.

- **Protection Guard:** Provides protection during grinding and cutting operations.
- **Red "C" Ring (Spindle Lock Button):** Used to lock the spindle for safe and easy disc changes.
- **On/Off Switch:** Activates and deactivates the tool's motor.
- **Battery Charge-Control Indicator:** Displays the remaining battery life.
- **Battery Pack:** The removable power source for the cordless tool.
- **Battery Unlocking Button:** Releases the battery pack from the tool.

SETUP AND ASSEMBLY

Follow these steps to properly install the cutting/grinding disc and battery:

1. **Initial State:** Ensure the tool is off and the battery is removed. The disc cannot be replaced if the tool is powered or the shaft is not locked.
2. **Open the Shaft Lock:** Pull the red "C" Ring (spindle lock button) and hold it. Rotate the spindle approximately 90 degrees using the provided L-wrench until the shaft lock engages.

3. **Loosen the Chuck:** While the spindle is locked, use the L-wrench to loosen the chuck nut counter-clockwise.
4. **Take Out the Flange:** Remove the outer flange from the spindle.
5. **Install Cutting Discs:** Place the desired cutting or grinding disc onto the spindle, ensuring it is properly seated and centered.
6. **Tighten the Chuck:** Re-install the outer flange and tighten the chuck nut clockwise firmly with the L-wrench. Do not overtighten.
7. **Lock the Shaft Lock:** Release the red "C" Ring to disengage the spindle lock.
8. **Install the Battery:** Slide the fully charged battery pack into the base of the tool until it clicks securely into place.
9. **Finish:** The tool is now ready for operation.



Image: A step-by-step visual guide demonstrating the assembly process, from opening the shaft lock to installing the battery and finishing the setup.

OPERATING INSTRUCTIONS

To operate the Saker Cordless Mini Angle Grinder safely and effectively:

1. Ensure the correct disc is installed and securely tightened according to the setup instructions.
2. Verify the battery is fully charged and properly installed. Check the battery charge indicator.
3. Hold the tool firmly with both hands, maintaining a secure grip. Ensure your stance is stable.
4. Position the tool so the disc is clear of the workpiece and any obstructions.
5. Press the On/Off switch to start the tool. Allow the disc to reach full operating speed before contacting the workpiece.
6. Gently bring the rotating disc into contact with the material. Apply steady, even pressure. Do not force the tool, as this can lead to kickback or damage.
7. For cutting, make shallow, controlled passes. For grinding or polishing, move the tool smoothly across the surface, maintaining consistent contact.
8. After completing the task, release the On/Off switch and allow the disc to stop completely before setting the tool down.

Adjustable Guard

The protection guard can be adjusted to suit different working angles and provide optimal safety. To adjust, loosen the guard, rotate it to the desired position (up to 90 degrees), and then secure it firmly before operation.



Image: The adjustable guard feature of the Saker Cordless Mini Angle Grinder, illustrating its ability to rotate up to 90 degrees for versatile use and enhanced safety.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your tool. Always disconnect the battery before performing any maintenance.

- **Cleaning:** After each use, clean the tool with a dry cloth to remove dust, debris, and metal particles. Do not use solvents or abrasive cleaners.
- **Disc Inspection:** Regularly inspect cutting and grinding discs for wear, cracks, chips, or damage. Replace worn or damaged discs immediately to prevent injury and ensure optimal performance.
- **Battery Care:** Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures. Charge the battery fully before storage if not used for extended periods. Avoid fully discharging the battery.
- **Ventilation:** Keep the tool's ventilation slots clear of obstructions to prevent overheating of the motor. Use compressed air if necessary to clear dust.

- **Brushless Motor:** This tool features a brushless motor, which requires less maintenance compared to brushed motors. No carbon brush replacement is needed.

TROUBLESHOOTING

If you encounter issues with your Saker Cordless Mini Angle Grinder, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed. On/Off switch faulty.	Ensure battery is fully charged and correctly inserted. Check On/Off switch for damage; contact support if faulty.
Reduced power or stalls easily	Low battery charge. Overloading the tool. Worn or incorrect disc.	Recharge battery. Reduce pressure on the workpiece. Replace disc with a suitable one.
Battery overheats during use	Prolonged heavy use. Blocked ventilation.	Allow the tool and battery to cool down. Clear any obstructions from ventilation slots. Avoid continuous heavy-duty work.
Disc cannot be changed	Spindle lock not engaged or chuck too tight.	Ensure the red "C" ring is pulled to engage the spindle lock. Use the L-wrench to loosen the chuck.

SPECIFICATIONS

Key technical specifications for the Saker Cordless Mini Angle Grinder SK1201D:

Feature	Specification
Brand	Saker
Model Number	SK1201D
Power Source	Battery Powered
Voltage	12 Volts (DC)
Wattage	800 Watts
Max Rotational Speed	16800 RPM
Battery Type	Lithium-ion
Item Weight	1.12 Kilograms
Material	Metal
Included Components	Battery, Charger, Wrench

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official Saker website. Keep your purchase receipt as proof of purchase.

The included 2000 mAh battery features protection against overcharge, over-discharge, and high temperature to ensure safety and durability. If the battery becomes hot after prolonged use, allow it to rest and cool down for safety and to prolong its lifespan.