

Ingco AG24008

Ingco AG24008 Angle Grinder User Manual

Model: AG24008 | Brand: Ingco

1. INTRODUCTION

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your Ingco AG24008 Angle Grinder. Please read and understand all instructions before using the tool. Retain this manual for future reference.

The Ingco AG24008 is a powerful corded electric angle grinder designed for various cutting, grinding, and polishing tasks on metal and masonry materials. Its 2400 Watt motor and 9-inch (230mm) disc capacity make it suitable for demanding applications.

2. GENERAL SAFETY INSTRUCTIONS

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

2.1 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. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2.2 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. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep cord away from heat, oil, sharp edges, or moving parts. Damaged or entangled cords increase the risk of electric shock.

2.3 Personal Safety

- Always wear eye protection. Use safety glasses, goggles, or a face shield.
- Wear appropriate personal protective equipment (PPE) such as dust masks, non-skid safety shoes, hard hats, or hearing protection.
- Stay alert, watch what you are doing, and use common sense when operating a power tool.
- Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source, picking up or carrying the tool.

2.4 Power Tool Use and Care

- Do not force the power tool. Use the correct power tool for your application.
- Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.
- Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.

3. COMPONENTS AND FEATURES

Familiarize yourself with the parts of your Ingco AG24008 Angle Grinder before operation.



An image showing the Ingco AG24008 Angle Grinder. The tool is yellow and black, featuring a silver gear housing, a main handle, and an auxiliary handle. A metal cutting disc is mounted on the spindle, protected by a guard.

1. **Main Handle:** Ergonomic grip for primary control.
2. **Auxiliary Handle:** Provides additional grip and control, can be mounted in different positions.
3. **Spindle Lock Button:** Used to lock the spindle for disc changes.
4. **On/Off Switch:** Activates and deactivates the tool.

5. **Gear Housing:** Contains the gears and spindle assembly.
6. **Guard:** Protects the user from sparks and debris, adjustable.
7. **Grinding/Cutting Disc:** The abrasive accessory for material removal.
8. **Power Cord:** Connects the tool to the electrical supply.

4. SETUP

4.1 Attaching the Auxiliary Handle

The auxiliary handle can be screwed into one of the three threaded holes on the gear housing, depending on your working preference and hand orientation. Ensure it is tightened securely before use.

4.2 Adjusting the Guard

The guard must always be used and positioned to provide maximum protection from sparks and debris. Loosen the guard clamping screw, rotate the guard to the desired position, and then securely tighten the screw.

4.3 Installing/Changing Grinding or Cutting Discs

1. **Ensure the tool is unplugged from the power source.**
2. Press and hold the spindle lock button.
3. Using the supplied wrench, loosen and remove the outer flange nut by turning it counter-clockwise.
4. Remove the old disc (if applicable).
5. Place the new disc onto the inner flange, ensuring it is centered. The disc must be rated for at least the tool's maximum RPM (6300 RPM).
6. Replace the outer flange nut and tighten it securely with the wrench while holding the spindle lock button. Do not overtighten.
7. Release the spindle lock button.

Important: Always use discs appropriate for the material and task, and ensure they are in good condition without cracks or damage.

5. OPERATING INSTRUCTIONS

5.1 Before Starting

- Verify that the power cord and plug are undamaged.
- Ensure the disc is correctly installed and secured.
- Adjust the guard for optimal protection.
- Wear all necessary personal protective equipment (PPE): safety glasses, hearing protection, gloves, and a dust mask.
- Secure the workpiece firmly to prevent movement during operation.

5.2 Starting and Stopping

- **To Start:** Plug the tool into a suitable 220-240V, 50-60Hz power outlet. Press the ON/OFF switch. Allow the disc to reach full speed before contacting the workpiece.
- **To Stop:** Release the ON/OFF switch. Wait for the disc to come to a complete stop before setting the tool down.

5.3 Grinding and Cutting Techniques

- **Grinding:** Hold the grinder at an angle of approximately 15-30 degrees to the workpiece. Apply moderate pressure and move the tool smoothly across the surface.

- **Cutting:** Hold the grinder perpendicular (90 degrees) to the workpiece. Apply light, consistent pressure. Do not twist or bend the cutting disc. Allow the disc to do the work.
- Always direct sparks away from yourself and others.
- Avoid overloading the tool. If the motor slows significantly, reduce pressure.
- Do not use cutting discs for grinding, as they are not designed for side pressure.

6. MAINTENANCE

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

6.1 Cleaning

- **Always unplug the tool before cleaning.**
- Clean the ventilation openings regularly to prevent overheating. Use compressed air if available.
- Wipe the tool housing with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Remove any dust or debris from the guard and around the spindle area.

6.2 Inspection

- Regularly inspect the power cord for cuts, fraying, or damage. Replace immediately if damaged.
- Check the auxiliary handle and guard for secure attachment.
- Examine the carbon brushes periodically. If they are worn down, have them replaced by a qualified service technician.

6.3 Storage

Store the angle grinder in a dry, secure location, out of reach of children and away from direct sunlight or extreme temperatures. Ensure the tool is clean and unplugged before storage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start	No power supply; Faulty switch; Worn carbon brushes.	Check power connection and outlet; Have switch or brushes inspected/replaced by a technician.
Excessive vibration	Damaged or improperly installed disc; Loose flanges.	Inspect disc for damage, replace if necessary; Reinstall disc correctly, ensure flanges are tight.
Overheating	Blocked ventilation slots; Overloading the tool.	Clean ventilation slots; Reduce pressure during operation.
Sparks are excessive or unusual	Worn carbon brushes; Incorrect disc for material.	Have carbon brushes checked/replaced; Ensure correct disc type is used.

For issues not listed here or if solutions do not resolve the problem, contact Ingco customer support or a qualified service center.

8. SPECIFICATIONS

Feature	Specification
Model	AG24008
Brand	Ingco
Voltage	220-240 V
Frequency	50-60 Hz
Input Power	2400 W
No-load Speed	6300 RPM
Disc Diameter	9 Inches (230 mm)
Weight	Approximately 1.25 kg (tool only)
Dimensions (L x W x H)	Approximately 5 x 38 x 41 cm

9. WARRANTY AND SUPPORT

Ingco products are manufactured to high-quality standards and are warranted against defects in materials and workmanship. Specific warranty terms and conditions may vary by region and retailer. Please retain your proof of purchase for warranty claims.

For technical support, service, or spare parts, please contact your local Ingco dealer or visit the official Ingco website for contact information.

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

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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