

Ingco CAGLI21104

INGCO 20V Cordless Angle Grinder 100mm (Body Only) CAGLI21104 Instruction Manual

1. INTRODUCTION

Thank you for choosing the INGCO 20V Cordless Angle Grinder 100mm (Body Only), model CAGLI21104. This manual provides essential information for the safe operation, proper maintenance, and effective troubleshooting of your tool. Please read these instructions carefully before use and keep them for future reference. This product is designed for grinding and cutting various materials, offering portability and high performance.

2. SAFETY INSTRUCTIONS

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury when using power tools.

General Safety

- Wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, and gloves.
- 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.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Electrical Safety

- This tool features double insulation to prevent electric shock. Do not modify the plug or use ungrounded adapters.
- Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators.

Personal Safety

- Stay alert, watch what you are doing, and use common sense when operating a power tool.
- Do not use the tool while tired or under the influence of drugs, alcohol, or medication.

- Secure the workpiece. Use clamps or a vise to hold the workpiece.
- Ensure the anti-rotation protective cover is properly installed and adjusted for maximum user protection.

3. PRODUCT OVERVIEW

The INGCO CAGLI21104 is a powerful 20V cordless angle grinder designed for various grinding and cutting applications. It features a brushless motor for enhanced efficiency and durability.

Components and Features

- **Brushless Motor:** Provides high performance, longer runtime, and extended tool life.
- **3-Stage Speed Adjustment:** Allows selection of 3000, 6000, or 9000 RPM for optimal control across different materials and tasks.
- **Aluminum Alloy Head Shell:** Ensures durability and efficient heat dissipation.
- **Dust-Proof Structure:** Protects internal components from debris, extending tool lifespan.
- **Metal Wheel Guard:** Provides essential protection during operation.
- **Auxiliary Handle:** Enhances grip and control for safer operation.
- **Lock-on Switch:** For continuous operation.



The INGCO 20V Cordless Angle Grinder, model CAGLI21104, shown without battery or charger.



Detailed view of the angle grinder, pointing out features like the dust screen, 3-speed adjustment, lock-on switch, aluminum alloy gearbox, brushless motor, metal wheel guard, and auxiliary handle.

4. SETUP

Battery and Charger (Not Included)

This product is sold as a 'body only' unit. A compatible INGCO 20V Lithium-ion battery and charger are required for operation and must be purchased separately. Ensure you use genuine INGCO 20V batteries for optimal performance and safety.

Installing/Removing Grinding/Cutting Discs

- Ensure the tool is switched off and the battery is removed before attempting to install or remove any accessories.
- Press and hold the spindle lock button.
- Use the provided wrench to loosen the outer flange nut.
- Place the desired 100mm grinding or cutting disc onto the spindle, ensuring it sits correctly on the inner flange.

- Replace the outer flange nut and tighten it securely with the wrench while holding the spindle lock button.
- **Note:** The inner flange is sold separately. Ensure the inner flange meets the size requirements: shaft diameter: 10mm, inner diameter: 15mm, cutting part: 14-14.5mm.

Adjusting the Wheel Guard

The metal wheel guard can be adjusted to protect against sparks and debris. Loosen the guard's fastening screw, rotate the guard to the desired position, and then securely tighten the screw.

5. OPERATING INSTRUCTIONS

Before starting, ensure the battery is fully charged and correctly inserted into the tool. Always wear appropriate safety gear.

Powering On/Off

- To turn on the tool, slide the lock-on switch forward.
- To turn off the tool, slide the lock-on switch backward.

Speed Adjustment

The tool features a 3-stage speed adjustment. Use the speed selector switch to choose between 3000 RPM (low), 6000 RPM (medium), and 9000 RPM (high) depending on the material and task. Lower speeds are generally for grinding, while higher speeds are for cutting.

Applications

This angle grinder is suitable for a variety of tasks:

- **Grinding:** Effective for grinding stainless steel, removing iron slag, and surface preparation.
- **Cutting:** Capable of cutting materials such as rebar, ceramic tiles, and marble.

バッテリー&充電器

は含まれていません



P20S 同じバッテリー200+ツール

A worker wearing safety gear uses the INGCO angle grinder to cut rebar, generating sparks.

防塵スクリーン

3速調整

ロックオンスイッチ

アルミニウム合金
ギアボックス

人間工学に基づいて設計
されたボディ

ブラシレスモーター

金属製ホ
イールガード

補助ハンドル

Images demonstrating the angle grinder's use for metal cutting, metal grinding, rebar cutting, and plastic cutting.

ブラシレスモーター

ブラシレスモーター

電圧:20V

無負荷速度:3000/6000/9000rpm

ディスク直径:110mm

スピンドルねじ:M10

ディスクは付属しません

バッテリーと充電器は別売りです

カラーボックスに梱包されています



A close-up of the INGCO angle grinder in action, grinding a metal surface with sparks.

6. MAINTENANCE

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

Cleaning

- Always disconnect the battery before cleaning.
- Clean the tool's ventilation openings regularly to prevent overheating.
- Wipe the tool housing with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Remove any dust or debris from the wheel guard and spindle area.

Storage

- Store the tool in a dry, secure place out of reach of children.
- Avoid storing the tool in direct sunlight or in areas with extreme temperatures.
- Remove the battery from the tool before long-term storage.

Inspection

- Regularly inspect the power tool for any damage, loose parts, or wear.
- Check the grinding/cutting discs for cracks or damage before each use. Replace damaged discs immediately.

7. TROUBLESHOOTING

If you encounter issues with your INGCO angle grinder, refer to the following common problems and solutions:

- **Tool does not start:** Ensure the battery is fully charged and properly inserted. Check the lock-on switch position.
- **Reduced performance/speed:** The battery may be low; recharge it. The disc might be worn or incorrect for the material; replace it.
- **Excessive vibration or noise:** Check if the disc is properly installed and tightened. Inspect the disc for damage.
- **Inner flange size mismatch:** Some users have reported issues with the included inner flange size. Ensure the inner flange meets the specified dimensions (shaft diameter: 10mm, inner diameter: 15mm, cutting part: 14-14.5mm). If the included flange is incompatible, a replacement may be required. Contact INGCO JP for assistance or recommended accessory links.

For issues not covered here, please contact INGCO customer support.

8. SPECIFICATIONS

Specification	Value
Brand	Ingco
Model Number	CAGLI21104
Style	100mm (Body Only)
Power Source	Battery powered
Voltage	20 Volts
Max Rotational Speed	9000 RPM
Item Weight	1.69 Kilograms
Package Size	32.5 x 12.8 x 10.8 cm
Included Components	Cordless Angle Grinder (Body Only)
Shaft Diameter	10mm
Inner Diameter	15mm
Cutting Part	14-14.5mm



金属切断



金属研削



鉄筋切断



プラスチック切断

The angle grinder shown with an overlay of its brushless motor and maximum speed of 9000 RPM.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or inquiries regarding compatible accessories (such as recommended inner flanges or batteries/chargers), please contact INGCO JP customer service. Keep your purchase receipt as proof of purchase for any warranty claims.

You can find more information and contact details on the official INGCO website or through your point of purchase.