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› INGCO CAGLI76012 20V Cordless Mini Angle Grinder User Manual

Ingco CAGLI76012

INGCO CAGLI76012 20V Cordless Mini Angle Grinder

Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your INGCO CAGLI76012 20V Cordless Mini Angle Grinder. Please read these instructions carefully before using the tool and keep them for future reference.



Image: The INGCO CAGLI76012 20V Cordless Mini Angle Grinder, demonstrating its compact design and cordless functionality.

2. GENERAL SAFETY INSTRUCTIONS

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

- **Work Area Safety:** Keep your 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.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection, such as safety goggles or a face shield. Use hearing protection when operating the tool for extended periods. Wear appropriate clothing; avoid loose clothing or jewelry. Secure long hair.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.

- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs.

3. INCLUDED COMPONENTS

The INGCO CAGLI76012 package typically includes the following items:

- 1x INGCO Mini Angle Grinder (CAGLI76012)
- 1x 2.0 Ah Li-ion Battery
- 1x Battery Charger
- 4x Abrasive Metal Cutting Discs
- 2x Abrasive Metal Grinding Discs
- 1x Wet Diamond Disc
- 1x Hex Key



Image: Labeled diagram showing the mini angle grinder, battery, charger, discs, and hex key.

4. SETUP

4.1. Battery Charging and Installation

1. Ensure the battery is fully charged before first use. Connect the charger to a power outlet and insert the battery pack. The charger indicator will show the charging status.
2. To install the battery, align the battery pack with the base of the tool and slide it in until it clicks securely into place.
3. To remove the battery, press the release button on the battery pack and slide it out.

Note: This INGC mini angle grinder is exclusively powered by INGC batteries, which are compatible with all INGC Li-ion 20V products.

4.2. Disc Installation

Always ensure the tool is switched off and the battery is removed before changing discs.

1. Press and hold the spindle lock button to prevent the spindle from rotating.
2. Using the provided hex key, loosen the outer flange nut by turning it counter-clockwise.
3. Remove the outer flange nut and the outer flange.
4. Place the desired cutting or grinding disc onto the inner flange, ensuring it is centered.
5. Replace the outer flange and the outer flange nut. Tighten the nut clockwise with the hex key while holding the spindle lock button. Do not overtighten.



INSTAMALATION ET UTILISATION DU DISQUE

Image: Step 1 of disc installation, showing the spindle lock and hex key.

Parameter Information

Tension: 20V

Vitesse à vide: 19500 tr/min

Diamètre Dosc: 76mm(3")

Filetage de broche: M6

Emplacement du disque: gauche

Inclure:

4x disque de découpe de métal abrasif

2x disque de meulage de métal abrasif

1x disque de diamant humide

1x hex clé

1x batterie 2.0Ah

1x chargeur



Image: Step 2 of disc installation, showing the disc being secured with the hex key.

5. OPERATION

The INGCO mini angle grinder is designed for a variety of tasks including cutting, grinding, and polishing. Always ensure proper safety gear is worn before operation.

5.1. Starting and Stopping the Tool

- **To Start:** Press the On/Off switch. For continuous operation, some models may have a lock-on feature.
- **To Stop:** Release the On/Off switch. If locked on, press and release the switch again.

5.2. Cutting and Grinding

1. Secure the workpiece firmly to prevent movement during operation.
2. Hold the grinder firmly with both hands.
3. Allow the disc to reach full speed before making contact with the workpiece.
4. Apply light, consistent pressure. Do not force the tool, as this can cause kickback or damage the disc.
5. Maintain a stable posture and keep bystanders at a safe distance.



DIVERSES FONCTIONS SUR UN

Image: Collage showing the angle grinder being used for cutting metal, PVC pipe, and grinding wood, demonstrating its versatility.



Image: Close-up of the angle grinder cutting a metal surface, producing sparks, highlighting its cutting capability.

6. MAINTENANCE

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

- **Cleaning:** Keep the ventilation openings clear and free from dust. Use a soft brush or compressed air to clean the tool regularly. Do not use water or chemical cleaners.
- **Disc Inspection:** Regularly inspect discs for wear, cracks, or damage. Replace worn or damaged discs immediately.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods.
- **Storage:** Store the tool and accessories in a dry, secure place out of reach of children.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed.	Charge the battery. Ensure the battery is securely installed.
Reduced power or speed	Low battery charge. Overloading the tool.	Recharge the battery. Reduce pressure on the workpiece.
Excessive vibration	Damaged or improperly installed disc.	Inspect the disc for damage and replace if necessary. Reinstall the disc correctly.
Tool stops during operation	Overload protection activated. Low battery.	Release the trigger, allow the tool to cool, then restart. Recharge the battery.

8. SPECIFICATIONS

Technical specifications for the INGCO CAGLI76012 Mini Angle Grinder:

Feature	Detail
Brand	Ingco
Model Number	CAGLI76012
Material	Metal
Power Source	Battery Powered
Color	Yellow
Item Weight	2 Kilograms
Voltage	20 Volts
Maximum Rotational Speed	19500 rpm
Disc Diameter	76mm (3 inches)
Spindle Thread	M6
Disc Placement	Left



Image: Visual representation of the technical specifications and included accessories.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the documentation included with your product or contact INGCO customer service directly. Keep your purchase receipt as proof of purchase.

You can also visit the official INGCO website for more information and contact details.