

Ingco CIDLI20768

INGCO CIDLI20768 Compact Brushless Cordless Impact Drill User Manual

Model: CIDLI20768

1. INTRODUCTION

Thank you for choosing the INGCO CIDLI20768 Compact Brushless Cordless Impact Drill. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before first use and keep it for future reference.



Image 1.1: The INGCO CIDLI20768 Compact Brushless Cordless Impact Drill, including two batteries, a charger, drill bits, and a carrying case.

2. SAFETY INSTRUCTIONS

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury when operating power tools. Keep this manual handy for reference.

- **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. Use hearing protection when operating the tool for extended periods. Dress properly; avoid loose clothing or jewelry.
- **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 Pack Use and Care:** Recharge only with the charger specified by the manufacturer. Do not use

battery packs with any other power tools.

3. PRODUCT COMPONENTS AND WHAT'S IN THE BOX

The INGCO CIDLI20768 Impact Drill comes with the following components:

- INGCO CIDLI20768 Compact Brushless Cordless Impact Drill
- 2 x 20V 2.0Ah Battery Packs
- 1 x Battery Charger (220-240V~50/60Hz)
- 3 x Masonry Drill Bits
- 47 pcs Accessory Box (various drill bits and fasteners)
- Carrying Case

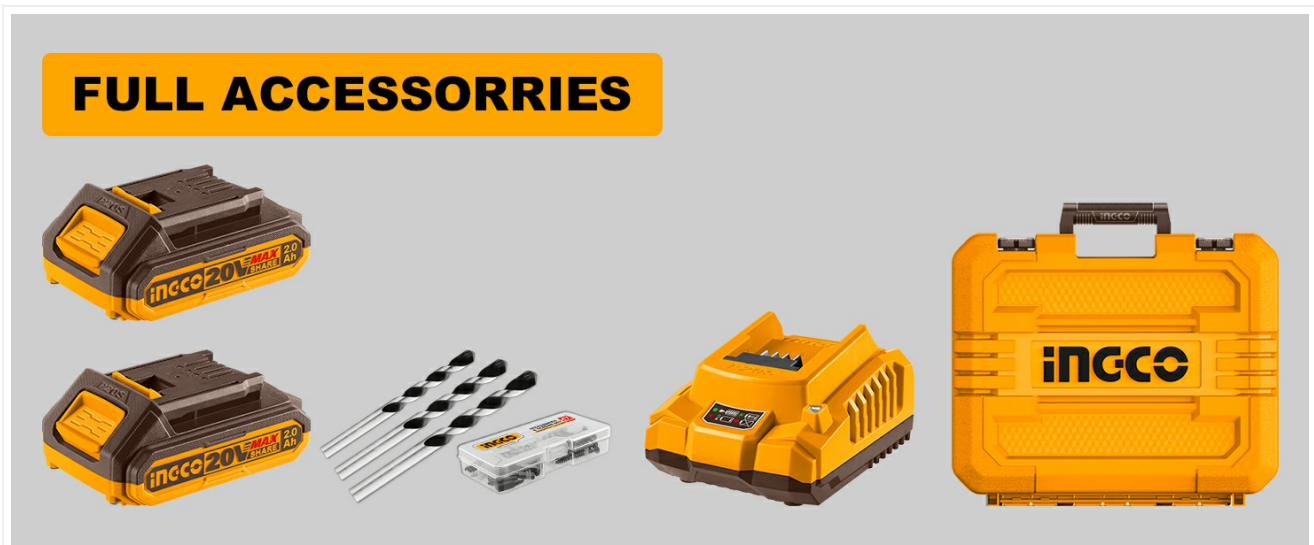


Image 3.1: Overview of the full accessory set included with the drill, featuring batteries, charger, various bits, and a durable carrying case.

4. SETUP

4.1. Charging the Battery

1. Connect the battery charger to a suitable power outlet (220-240V~50/60Hz).
2. Slide the battery pack onto the charger until it clicks into place.
3. Allow the battery to charge fully. The charger's indicator light will show the charging status.
4. Once charged, remove the battery from the charger.

4.2. Installing/Removing the Battery Pack

- **Installation:** Align the battery pack with the base of the drill handle and slide it in until it locks securely.
- **Removal:** Press the battery release button (usually located on the sides of the battery pack) and slide the battery pack out.

4.3. Installing Drill Bits or Accessories

The drill features a 13mm metal chuck for firm clamping of accessories.

1. Ensure the drill is switched off and the battery pack is removed for safety.
2. Rotate the chuck counter-clockwise to open the jaws.

3. Insert the desired drill bit or accessory into the chuck, ensuring it is centered.
4. Rotate the chuck clockwise to tighten the jaws firmly around the bit. Hand-tighten only; do not use a wrench.

CHUCK CAPACITY: 13 MM



METAL CHUCK

Image 4.1: Detailed view of the 13mm metal chuck, demonstrating its robust design for secure bit retention.

5. OPERATING INSTRUCTIONS

5.1. Powering On/Off and Speed Control

The drill is activated by pressing the trigger switch. The speed is variable depending on how far the trigger is pressed. Release the trigger to turn off the drill.

5.2. Two-Speed Adjustment

The drill features a two-speed gearbox, allowing selection between low speed (0-500 RPM) for high torque applications like driving screws, and high speed (0-2000 RPM) for drilling.

- **Speed 1 (Low):** Slide the speed selector switch to position '1'. Ideal for driving screws and drilling larger holes.
- **Speed 2 (High):** Slide the speed selector switch to position '2'. Ideal for faster drilling of smaller holes.

NO-LOAD SPEED: 0-500/0-2000RPM



2 SPEED ADJUSTMENT

Image 5.1: The two-speed adjustment switch, enabling selection between low and high RPM settings for versatile applications.

5.3. Torque Settings (22+1+1 Gear Adjustment)

The torque collar allows you to adjust the amount of torque applied, preventing over-driving screws or damaging materials. The drill offers 22 torque settings, plus a drilling mode and an impact drilling mode.

- **Torque Settings (1-22):** Select a lower number for smaller screws or softer materials, and a higher number for larger screws or harder materials.
- **Drilling Mode (Drill Symbol):** For general drilling without clutch action.
- **Impact Drilling Mode (Hammer Symbol):** For drilling into masonry or concrete, providing additional hammering action.

PERFECT FOR DIFFERENT WORKING CONDITIONS



TORQUE SETTINGS: 22+1+1

Image 5.2: The torque adjustment collar, illustrating the 22+1+1 settings for precise control across various tasks.

5.4. Forward/Reverse Rotation

The forward/reverse selector switch, located above the trigger, controls the direction of rotation. Push it left for forward rotation (tightening) and right for reverse rotation (loosening).

5.5. Integrated LED Work Light

The drill is equipped with an integrated LED work light that illuminates the work area when the trigger is pressed, improving visibility in dimly lit spaces.



Image 5.3: The drill in operation, with the integrated LED light clearly illuminating the workpiece for enhanced precision.

5.6. Operating Tips

- Always secure your workpiece before drilling or driving.
- Apply steady, even pressure. Do not force the drill.
- For drilling into hard materials, start with a pilot hole if necessary.
- When driving screws, select an appropriate torque setting to avoid stripping the screw head or damaging the material.



Image 5.4: The INGCO Impact Drill performing a drilling task on a wooden beam, demonstrating its capability for various materials.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your tool.

- **Cleaning:** Keep the ventilation openings clear and free of dust. Use a soft, damp cloth to clean the tool's exterior. Do not use harsh chemicals or abrasive cleaners.
- **Chuck Maintenance:** Periodically clean the chuck jaws to ensure proper gripping.
- **Battery Care:** Store batteries in a cool, dry place. Do not store fully discharged batteries for extended periods.
- **Storage:** When not in use, store the drill and its accessories in the provided carrying case, away from moisture and direct sunlight.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Drill does not start.	Battery not charged or not properly installed.	Ensure battery is fully charged and securely inserted.
Loss of power during operation.	Battery charge is low.	Recharge the battery pack.
Bit slips in chuck.	Chuck not tightened sufficiently or bit shank is dirty.	Tighten chuck firmly. Clean bit shank before insertion.
Over-driving screws.	Torque setting is too high.	Adjust the torque collar to a lower setting.

8. SPECIFICATIONS

- **Model:** CIDLI20768
- **Motor Type:** Brushless Motor
- **Voltage:** 20V
- **Maximum Torque:** 76 NM
- **No-Load Speed:**
 - Speed 1: 0-500 RPM
 - Speed 2: 0-2000 RPM
- **Chuck Capacity:** 13mm Metal Chuck
- **Torque Settings:** 22+1+1 (Drilling, Impact Drilling)
- **Impact Rate:** 30000 BPM
- **Product Dimensions:** 27L x 10W x 34H Centimeters
- **Item Weight:** 3.4 Kilograms
- **Power Source:** Battery Powered
- **Included Components:** Battery Charger, Drill Attachment



Image 8.1: Visual representation emphasizing the drill's 76 NM maximum torque and efficient brushless motor technology.




9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your product packaging or contact INGCO customer support. Keep your purchase receipt as proof of purchase for any warranty claims.

For technical assistance or service inquiries, please visit the official INGCO website or contact their authorized service centers.

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Related Documents - CIDLI20768

	<p>INGCO CIDLI20602: Οδηγός Χρήσης για Δραπανοκατσάβιδο Μπαταρίας 20V Li-Ion</p> <p>Ανακαλύψτε πώς να χρησιμοποιείτε με ασφάλεια και αποτελεσματικότητα το δραπανοκατσάβιδο μπαταρίας INGCO 20V Li-Ion (μοντέλα CIDLI20602, UCIDLI20602, CIDLI206021, κ.α.). Ο πλήρης οδηγός περιλαμβάνει οδηγίες ασφαλείας, λειτουργίας, τεχνικές προδιαγραφές και συντήρηση.</p>
	<p>INGCO Cordless 3 Piece Combo Kit: User Manual & Safety Guide</p> <p>Download the INGCO Cordless 3 Piece Combo Kit user manual. Get detailed instructions, safety warnings, and maintenance tips for your INGCO cordless blower, impact driver, and impact drill.</p>
	<p>INGCO Compact Brushless Cordless Impact Drill Product Manual</p> <p>Comprehensive product manual for the INGCO Compact Brushless Cordless Impact Drill, covering safety instructions, technical specifications, operation, maintenance, troubleshooting, and warranty information.</p>
	<p>INGCO Compact Brushless Cordless Drill User Manual</p> <p>User manual and safety instructions for the INGCO Compact Brushless Cordless Drill (models CDLI20668, UCIDLI20668 series). Covers operation, specifications, and maintenance.</p>
	<p>INGCO CIDLI20968 Brushless Cordless Impact Drill User Manual</p> <p>Comprehensive user manual for the INGCO Brushless Cordless Impact Drill (CIDLI20968 series). Includes detailed operating instructions, safety guidelines, technical specifications, maintenance, and troubleshooting for this powerful cordless tool.</p>



[INGCO Cordless Lithium-Ion Impact Wrench CIWLI2085xy - Product Manual & Safety Guide](#)

Comprehensive product manual for the INGCO 20V Li-Ion Cordless Impact Wrench (CIWLI2085xy). Includes safety instructions, technical specifications, operation guide, troubleshooting, and warranty information.