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## HIKOKI DH3628DCW4Z

# HIKOKI DH3628DC Cordless Drill and Chisel Hammer User Manual

Model: DH3628DCW4Z | Brand: HIKOKI

## 1. PRODUCT OVERVIEW

The HIKOKI DH3628DC is a high-performance cordless drill and chisel hammer designed for professional use. It combines three essential functions: drilling, hammer drilling, and chiselling, making it suitable for a wide range of applications in concrete, wood, and steel. This tool is part of the 36V Multi Volt series, offering powerful performance without the constraints of a cord.

### Key Features:

- **3 Functions:** Drilling, hammer drilling, and chiselling for versatile applications.
- **Brushless Motor:** Ensures long tool life and reduced maintenance.
- **Electronic Drilling Depth Management:** Allows for consistent drilling depth with an auto-stop function.
- **Anti-Vibration System (UVP):** Reduces user fatigue during prolonged operation.
- **Safety Slip Coupling:** Protects the user and the tool in case of bit jamming.
- **RFC Function (Kick-Back Control):** Enhances user safety by preventing sudden kick-back.
- **Interchangeable Chuck:** Includes both SDS-plus and 13mm metal quick-release drill chucks for various bit types.
- **LED Indicators:** New green/red LED shows right angle, and a built-in acceleration sensor indicates machine tilt.



Image: The HIKOKI DH3628DC in different configurations, showcasing its robust design.

## 2. INCLUDED COMPONENTS

The HIKOKI DH3628DC package typically includes the following components. Please note that batteries, chargers, and transport cases are sold separately unless specified otherwise.

- 1x HIKOKI DH3628DC Cordless Drill and Chisel Hammer (tool body only)
- 1x SDS-plus tool holder
- 1x 13mm metal quick-release drill chuck
- 1x Drill depth stop
- 1x Additional handle

## 3. SETUP AND ASSEMBLY

### Attaching the Chuck:

The DH3628DC features an interchangeable chuck system, allowing you to switch between the SDS-plus chuck for hammer drilling and chiselling, and the 13mm quick-release chuck for standard drilling with cylindrical bits.

1. To remove the installed chuck, grasp it firmly and rotate it counter-clockwise while pulling it away from the tool body.
2. To attach a chuck, align the grooves on the chuck with the corresponding guides on the tool spindle. Push the

chuck onto the spindle and rotate it clockwise until it clicks securely into place. Ensure it is fully seated and locked before operation.



Image: The interchangeable chuck system of the HIKOKI DH3628DC.

### Battery Installation:

Insert a charged 36V Multi Volt battery pack into the battery slot at the base of the tool until it clicks into place. Ensure the battery is fully seated before use. To remove, press the battery release button(s) and slide the battery out.

### Attaching the Auxiliary Handle:

The additional handle can be rotated 360 degrees for optimal positioning. Loosen the handle clamp, slide the handle onto the tool's collar, adjust to the desired position, and tighten the clamp securely.

## 4. OPERATING INSTRUCTIONS

### Function Selection:

The tool features a mode selector switch to choose between drilling, hammer drilling, and chiselling. Rotate the switch to the desired icon:

- **Drill Icon:** For drilling without hammer action (e.g., in wood, metal, or with the quick-release chuck).
- **Hammer Drill Icon:** For hammer drilling in concrete and masonry.
- **Chisel Icon:** For chiselling applications (ensure the chisel is correctly oriented).

### Speed Control:

The DH3628DC offers two mechanical speed gears and continuous electronic speed control via the trigger switch.

- **Gear 1 (Low Speed):** Provides higher torque for larger diameter drilling or demanding chiselling.
- **Gear 2 (High Speed):** Provides higher RPM for faster drilling with smaller bits.
- **Variable Speed Trigger:** Pressing the trigger further increases the speed and impact rate.

## Electronic Drilling Depth Management (Auto-Stop):

This feature allows you to set a desired drilling depth. The tool will automatically stop or reduce power once the set depth is reached, ensuring consistent results. Refer to the tool's specific controls for setting this function.

## LED Indicators:

The tool is equipped with LED indicators to assist with operation:

- **Green/Red LED:** Indicates if the tool is held at the correct angle for drilling.
- **Tilt Sensor:** The built-in acceleration sensor detects the machine's tilt, and the LED lights up accordingly to indicate status, aiding in precise work.



Image: Demonstrating the HIKOKI DH3628DC in use for drilling.

## 5. MAINTENANCE AND CARE

Regular maintenance ensures the longevity and optimal performance of your HIKOKI DH3628DC.

- **Cleaning:** After each use, wipe down the tool with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners. Keep ventilation openings clear of dust and debris.
- **Chuck Maintenance:** Periodically clean the chuck and lubricate the SDS-plus shank of drill bits with a small amount of grease to ensure smooth operation and prevent wear.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods. Follow the charging instructions provided with your HIKOKI charger.
- **Storage:** Store the tool in a dry, secure location, out of reach of children. If storing for extended periods, remove the battery.
- **Inspection:** Regularly inspect the power cord (if using a corded version, though this is cordless), switches, and housing for any damage. Do not use a damaged tool.

## 6. TROUBLESHOOTING

If you encounter issues with your HIKOKI DH3628DC, refer to the following common troubleshooting steps:

- **Tool Not Starting:**
  - Ensure the battery is fully charged and properly inserted.
  - Check if the mode selector is set correctly.
  - Verify that the trigger lock (if present) is disengaged.
- **Reduced Performance/Power:**
  - The battery may be low; recharge it.
  - The drill bit or chisel may be dull or damaged; replace it.
  - Ensure the correct mode (e.g., hammer drill for concrete) is selected.
  - Check for excessive dust or debris in the chuck or ventilation openings.
- **Excessive Vibration:**
  - Ensure the drill bit or chisel is properly inserted and secured in the chuck.
  - Check for bent or damaged accessories.
  - The Anti-Vibration System (UVP) is designed to reduce vibration, but extreme vibration may indicate an issue with the accessory or the material being worked on.
- **Chuck Not Holding Bit:**
  - Ensure the chuck is fully engaged and locked onto the tool spindle.
  - Clean the chuck jaws and the bit shank.
  - For SDS-plus bits, ensure the grooves are clean and the bit is inserted far enough to allow the locking balls to engage.

If these steps do not resolve the issue, please contact HIKOKI customer support or an authorized service center.

## 7. TECHNICAL SPECIFICATIONS

Specification	Value
Model Number	DH3628DCW4Z
Voltage	36 V
Impact Energy (EPTA 5.0)	3.2 J
Idle Speed 1st Gear	0-700 min-1
Idle Speed 2nd Gear	0-950 min-1
Full Load Impact Rate 1st Gear	0-3170 min-1
Full Load Impact Rate 2nd Gear	0-4300 min-1
Drilling Capacity in Concrete	28 mm
Drilling Capacity in Wood	32 mm
Drilling Capacity in Steel	13 mm
Drilling with Crown Diameter	25-50 mm
Tool Holder	SDS-plus (interchangeable with 13mm quick-release chuck)
Dimensions (L x W x H)	389 x 91 x 232 mm
Weight (without battery)	3.4 kg
Motor Type	Brushless

## 8. SAFETY INFORMATION

Always observe general power tool safety guidelines to prevent injury and damage.

- **Personal Safety:** Always wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, and gloves. Secure loose clothing and tie back long hair.
- **Work Area Safety:** Keep your work area clean and well-lit. 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 (e.g., pipes, radiators, ranges, refrigerators). Do not expose power tools to rain or wet conditions.
- **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.

- **Kick-Back Control (RFC):** The RFC function helps to prevent sudden kick-back if the bit jams. However, always maintain a firm grip on the tool and be prepared for sudden reactions.
- **Anti-Vibration System (UVP):** While the UVP reduces vibration, prolonged use can still lead to hand-arm vibration syndrome. Take regular breaks and use the tool correctly.

## 9. WARRANTY AND SUPPORT

HIKOKI power tools are manufactured to high standards and come with a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your purchase or visit the official HIKOKI website.

For technical support, service, or spare parts, please contact your local authorized HIKOKI dealer or customer service center. When contacting support, please have your tool's model number (DH3628DCW4Z) and serial number (if applicable) ready.

You can find more information and contact details on the official HIKOKI website: [www.hikoki-powertools.com](http://www.hikoki-powertools.com)