

Bahco BCL33IW2

Bahco BCL33IW2 18V 1/2" High Performance Brushless Impact Gun User Manual

Model: BCL33IW2

1. SAFETY INFORMATION

Always read and understand 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.

- **Wear Eye Protection:** Always wear appropriate eye protection, such as safety goggles, when operating the impact gun.
- **Wear Hearing Protection:** Prolonged exposure to noise from power tools can cause hearing damage. Use ear protection.
- **Secure Workpiece:** Ensure the workpiece is stable and secured before operating the tool.
- **Maintain Firm Grip:** Always hold the tool firmly with both hands to maintain control.
- **Keep Work Area Clear:** Ensure the work area is well-lit and free from obstructions.
- **Avoid Accidental Starting:** Ensure the switch is in the off-position before connecting to a battery pack, picking up or carrying the tool.
- **Use Correct Accessories:** Only use sockets and accessories designed for impact tools.
- **Inspect Tool Before Use:** Check for any damage or wear before each use. Do not use if damaged.

2. PRODUCT OVERVIEW

The Bahco BCL33IW2 is an 18V 1/2" high-performance brushless impact gun designed for various tightening and loosening applications, particularly suitable for workshop use such as wheel bolt applications. It features a robust metal housing for the hammer mechanism, ensuring durability and consistent performance.



Figure 2.1: Bahco BCL33IW2 Impact Gun. This image shows the complete impact gun with its 18V battery attached, featuring the orange and black color scheme and the Bahco logo.

Key Features:

- **18V Brushless Motor:** Provides high performance and extended tool life.
- **Two Speed/Torque Regulation:** Allows for precise control over tightening applications.
- **Metal Hammer Housing:** Enhances durability and performance.
- **Progressive Trigger:** Offers variable speed control in both tightening and loosening modes.
- **One-Handed Control:** Designed for easy switching between tightening and loosening.
- **LED Battery Level Indicator:** Provides real-time battery status.
- **1/2" Square Drive:** Compatible with standard 1/2" drive sockets, featuring a cup retaining ring.

3. SETUP

3.1 Battery Installation

1. Ensure the impact gun is switched off.
2. Align the battery pack with the battery port at the base of the tool handle.
3. Slide the battery pack into the port until it clicks securely into place.
4. To remove, press the battery release button and slide the battery pack out.

3.2 Attaching Sockets

1. Ensure the impact gun is switched off and the battery is removed for safety.
2. Select the appropriate 1/2" drive impact-rated socket for your application.
3. Push the socket firmly onto the 1/2" square drive anvil until it is securely seated by the retaining ring.
4. To remove, pull the socket off the anvil.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

The tool is powered on by pressing the trigger switch and powered off by releasing it. The progressive trigger allows for variable speed control based on how far it is pressed.

4.2 Speed/Torque Regulation

The BCL33IW2 features two speed/torque settings. Use the speed selector switch, typically located near the trigger, to choose between the two positions:

- **Position 1 (Lower Speed/Torque):** Ideal for initial tightening of fasteners, such as approaching wheel bolts to approximately 105 Nm, or for applications requiring less power and more control.
- **Position 2 (Higher Speed/Torque):** For maximum power and faster removal or tightening of stubborn fasteners.

4.3 Tightening and Loosening (Forward/Reverse)

The direction of rotation is controlled by a one-handed switch, usually located above the trigger. Push the switch to the left for forward rotation (tightening) and to the right for reverse rotation (loosening).



Figure 4.1: User operating the Bahco BCL331W2 Impact Gun to work on a vehicle's wheel assembly. The image shows the tool being used in a practical application, demonstrating its ergonomic design and ease of handling.

4.4 LED Battery Level Indicator

The tool is equipped with an LED indicator that displays the remaining battery charge. Monitor this indicator to ensure sufficient power for your task and to know when to recharge the battery.

5. MAINTENANCE

5.1 Cleaning

- Always disconnect the battery pack before cleaning.
- Use a soft, damp cloth to wipe down the exterior of the tool. Do not use harsh chemicals or abrasive cleaners.
- Keep the ventilation openings clear of dust and debris to prevent overheating. Use compressed air if necessary.

5.2 Storage

- Store the impact gun in a clean, dry place, away from direct sunlight and extreme temperatures.
- Remove the battery pack from the tool before storing for extended periods.
- Store batteries in a cool, dry place, partially charged if possible, to prolong their lifespan.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start	Battery not installed correctly Battery discharged Tool malfunction	Ensure battery is fully seated Charge battery pack Contact customer support
Reduced power/torque	Battery low Incorrect speed setting Worn accessories	Recharge battery Switch to higher speed/torque setting Replace worn sockets
Tool overheating	Blocked ventilation Prolonged heavy use	Clear ventilation openings Allow tool to cool down

7. SPECIFICATIONS

Feature	Specification
Brand	Bahco
Model Number	BCL33IW2 (462811)
Power Source	Battery Powered (18V)
Voltage	18 Volts
Maximum Torque	105 Newton Meters
Chuck Size	0.5 Inches (1/2")
Number of Speeds	2
Special Feature	Brushless Motor
Material	Metal
Item Dimensions (L x W x H)	10L x 10W x 10H millimeters

Feature	Specification
Item Weight	3.58 Kilograms
Included Components	Impact Gun

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official Bahco website. Keep your purchase receipt as proof of purchase for any warranty claims.

Bahco Customer Service: Please refer to your regional Bahco contact information for assistance.