

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

> [Conentool](#) /

> [Conentool 21V Cordless Brushless Impact Wrench User Manual \(Model CW-313\)](#)

Conentool CW-313

Conentool 21V Cordless Brushless Impact Wrench

Model: CW-313 | Brand: Conentool

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Conentool 21V Cordless Brushless Impact Wrench, Model CW-313. Please read these instructions carefully before using the tool to ensure proper function and to prevent injury.

2. SAFETY INSTRUCTIONS

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

- **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 for extended periods. Dress properly; 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 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 OVERVIEW

The Conentool CW-313 is a powerful 21V cordless brushless impact wrench designed for efficient tightening and loosening of fasteners. It features a robust brushless motor and a high-capacity battery for extended use.

3.1 Key Components



Image: Overview of the Conentool Impact Wrench with labeled parts including 1/2" chuck, LED light, variable speed switch, battery pack release button, brushless motor, forward and reverse switch, soft rubberized handle, and smart control panel. This image illustrates the main external and internal features of the tool.

3.2 Brushless Motor Technology

This impact wrench is equipped with an upgraded pure copper brushless motor, offering enhanced performance and durability compared to brushed motors.

UPGRADED PURE COPPER BRUSHLESS MOTOR

60% ↑
Life time:

80% ↑
Power:

90% ↓
Sparks:

60% ↓
Noise:



Image: Diagram illustrating the benefits of the upgraded pure copper brushless motor, showing increased life time (+60%), increased power (+80%), reduced sparks (-90%), and reduced noise (-60%).

3.3 4.0Ah Large Capacity Battery

The tool is designed to be powered by a 4.0Ah large capacity lithium-ion battery, providing extended working hours and consistent power output.

4.0AH LARGE CAPACITY BATTERY

Help your usage at any time

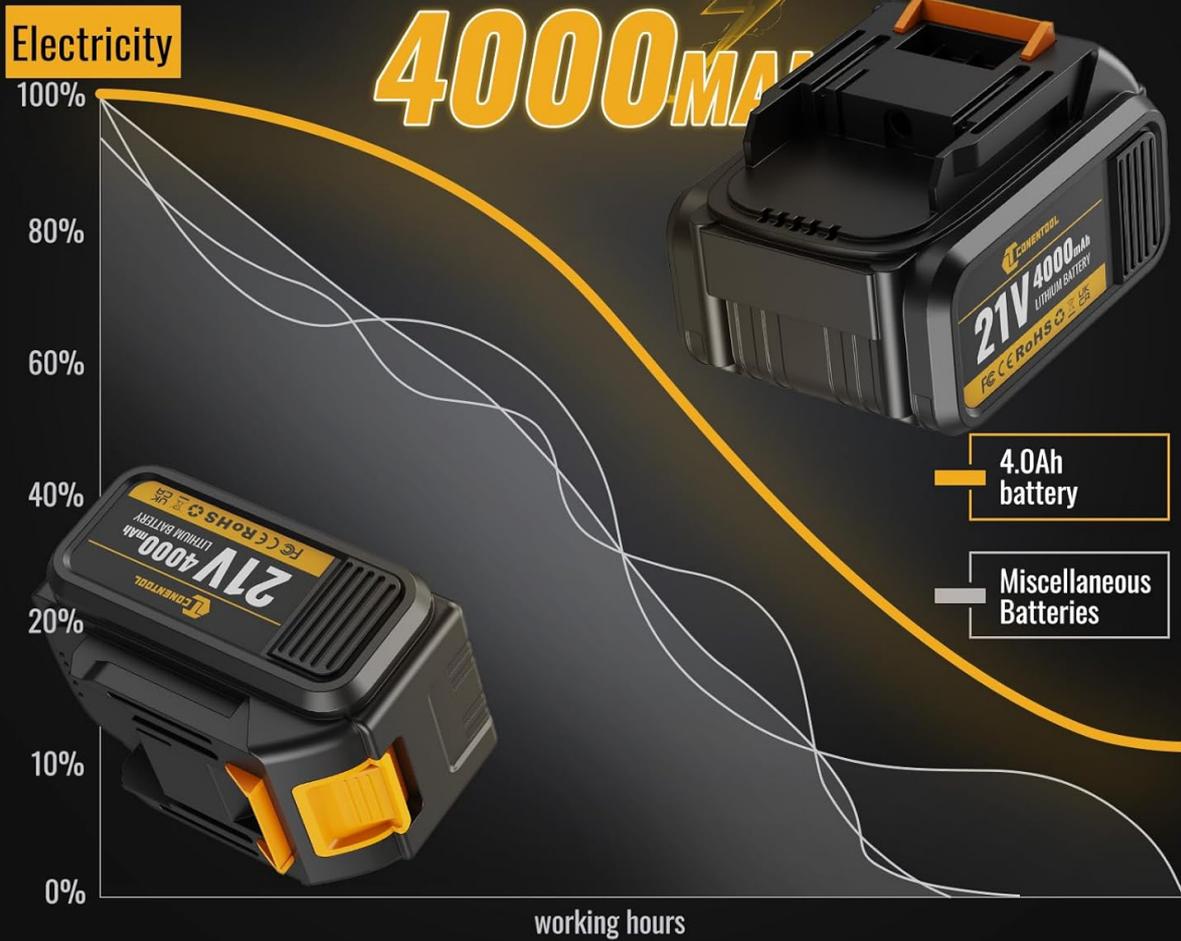


Image: Graph showing the extended electricity retention and working hours of a 4.0Ah battery compared to miscellaneous batteries, highlighting its large capacity.

4. SETUP

4.1 Battery Installation and Removal

1. **To Install:** Align the battery pack with the base of the tool handle. Slide the battery pack into the handle until it clicks securely into place. Ensure it is fully seated.
2. **To Remove:** Press the battery pack release button (refer to Product Overview image PT05) located at the front of the battery. While holding the button, slide the battery pack out of the tool handle.

Note: The battery may be sold separately or included in specific kits. Ensure the battery is fully charged before first use.

4.2 Socket/Bit Installation

The impact wrench features a 1/2-inch chuck for attaching sockets or hex screwdriver bits.

1. **To Install:** Push the desired 1/2-inch impact socket or hex screwdriver bit onto the square drive anvil until it locks into place. Pull on the accessory to ensure it is securely attached.

2. **To Remove:** Pull the accessory firmly off the square drive anvil.



Image: Illustration of the tool's 2-in-1 functionality, demonstrating its use as an impact wrench with a socket and as a screwdriver with a hex bit adapter.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off and Variable Speed

The tool is activated by pressing the variable speed switch. The speed of the tool is controlled by the amount of pressure applied to the switch. Pressing lightly results in lower speed, while pressing fully results in maximum speed (up to 3300 RPM).

5.2 Forward and Reverse Operation

The direction of rotation is controlled by the forward and reverse switch, located above the trigger.



Image: Diagram showing the positions of the forward and reverse switch: right for forward (tighten), centered for locked, and left for reverse (loosen).

- **Forward (Tighten):** Push the switch to the right.
- **Reverse (Loosen):** Push the switch to the left.
- **Locked:** Position the switch in the center to prevent accidental starting. Always engage the lock when not in use or when changing accessories.

5.3 Using the LED Light

The built-in LED light automatically illuminates the work area when the trigger is pressed, enhancing visibility in dark or confined spaces.

BUILD-IN LED LIGHT

Enhance the Visibility in Dark Working Area



LED LIGHT

Image: The impact wrench in use, with its built-in LED light illuminating a dark work area, enhancing visibility.

5.4 Torque Application

The Conentool CW-313 delivers a maximum torque of 680 N.m (approximately 501.54 ft-lbs), suitable for various applications from tightening screws to tire disassembly and industrial use.

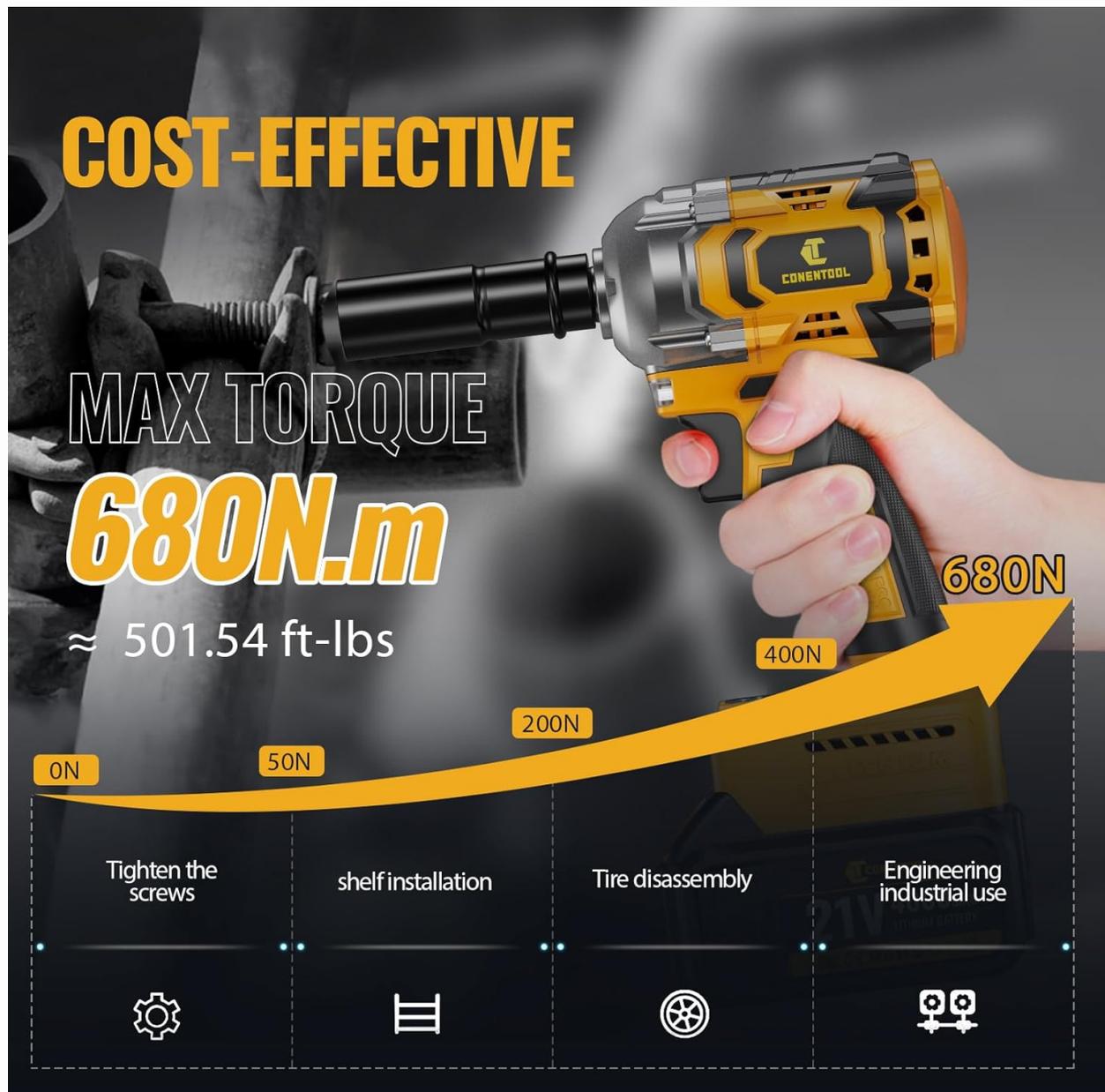


Image: Graph illustrating the maximum torque of 680 N.m and its application range, from tightening screws (low torque) to tire disassembly and engineering industrial use (high torque).

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your impact wrench.

- **Cleaning:** Keep the tool's ventilation openings clean and free of debris to prevent overheating. Use a soft, damp cloth to clean the exterior. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store batteries in a discharged state for extended periods. Recharge batteries regularly, even if not in use, to maintain their health.
- **Inspection:** Periodically inspect the chuck for wear or damage. Ensure all screws are tight. If any parts are damaged, have them replaced by a qualified service technician.

7. TROUBLESHOOTING

If you encounter issues with your impact wrench, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed; Forward/Reverse switch in locked position.	Charge battery fully and ensure it is securely installed. Move the Forward/Reverse switch out of the center (locked) position.
Reduced power or speed	Low battery charge; Overheating; Worn carbon brushes (not applicable for brushless motor, but common for brushed tools).	Recharge the battery. Allow the tool to cool down if it has been used continuously.
Excessive vibration or noise	Loose accessory; Damaged internal components.	Ensure the socket/bit is properly seated. If the problem persists, discontinue use and contact customer support.

8. SPECIFICATIONS

Feature	Specification
Model Number	CW-313
Manufacturer	CONENTOOL
Power Source	Battery Powered
Voltage	21 Volts
No-Load Speed	Up to 3300 RPM
Max Torque	680 N.m (approx. 501.54 ft-lbs)
Chuck Size	1/2 inch
Motor Type	Brushless
Battery Capacity (recommended)	4.0 Ah Lithium-ion (sold separately or included in specific kits)
Package Dimensions	37.5 x 28.4 x 11.4 cm
Weight	3.53 kg (including packaging)

8.1 Included Accessories

The following accessories are typically included with the Conentool CW-313 impact wrench kit:



Image: A visual representation of the product accessories, which typically include the electric wrench, various socket wrenches, screwdriver bits, pins, a conversion head, charger, battery, and a carry case.

- 1 x Electric Wrench (Impact Wrench)
- 6 x Socket Wrenches (Impact Sockets)
- 1 x Screwdriver (Hex Bit Adapter)
- 2 x Circular Circle (Retaining Rings for sockets)
- 2 x Pin (for socket retention)
- 1 x Conversion head (for screwdriver bits)
- 1 x Charger
- 1 x Battery (4.0Ah, if included in kit)
- 1 x Carry Case

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please refer to the contact information provided at the point of purchase or visit the official Conentool website. Please have your model

number (CW-313) and purchase date available when contacting support.

© 2024 Conentool. All rights reserved.