

Einhell 4510040

Einhell TP-CW 18 Li Brushless-Solo Cordless Impact Wrench Instruction Manual

Model: 4510040

1. INTRODUCTION

This manual provides essential information for the safe and effective operation of your Einhell TP-CW 18 Li Brushless-Solo Cordless Impact Wrench. This powerful tool is designed for tasks such as loosening and tightening wheel nuts, offering a user-friendly alternative to manual work. It is part of the Einhell Power X-Change family, utilizing compatible 18V lithium-ion batteries (sold separately).

Please read these instructions carefully before using the impact wrench and keep them for future reference.

2. SAFETY INSTRUCTIONS

Always observe basic safety precautions 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 (e.g., pipes, radiators, ranges, refrigerators). 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. 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. PRODUCT OVERVIEW

The Einhell TP-CW 18 Li Brushless-Solo Impact Wrench is designed for efficient and comfortable use. Key features include:

- **Brushless Motor:** Provides more power and a longer running time compared to conventional carbon brush motors.
- **Robust 1/2 inch External Square Drive Mount:** For secure attachment of sockets.
- **Integrated LED Light:** Illuminates the work area for improved visibility in low-light conditions.
- **Bit Adapter:** Included for screwdriving applications.
- **Compact and Lightweight Design:** Ensures comfortable operation and handling.



Figure 1: Einhell TP-CW 18 Li Brushless-Solo Cordless Impact Wrench. This image shows the main product unit, highlighting its compact design.

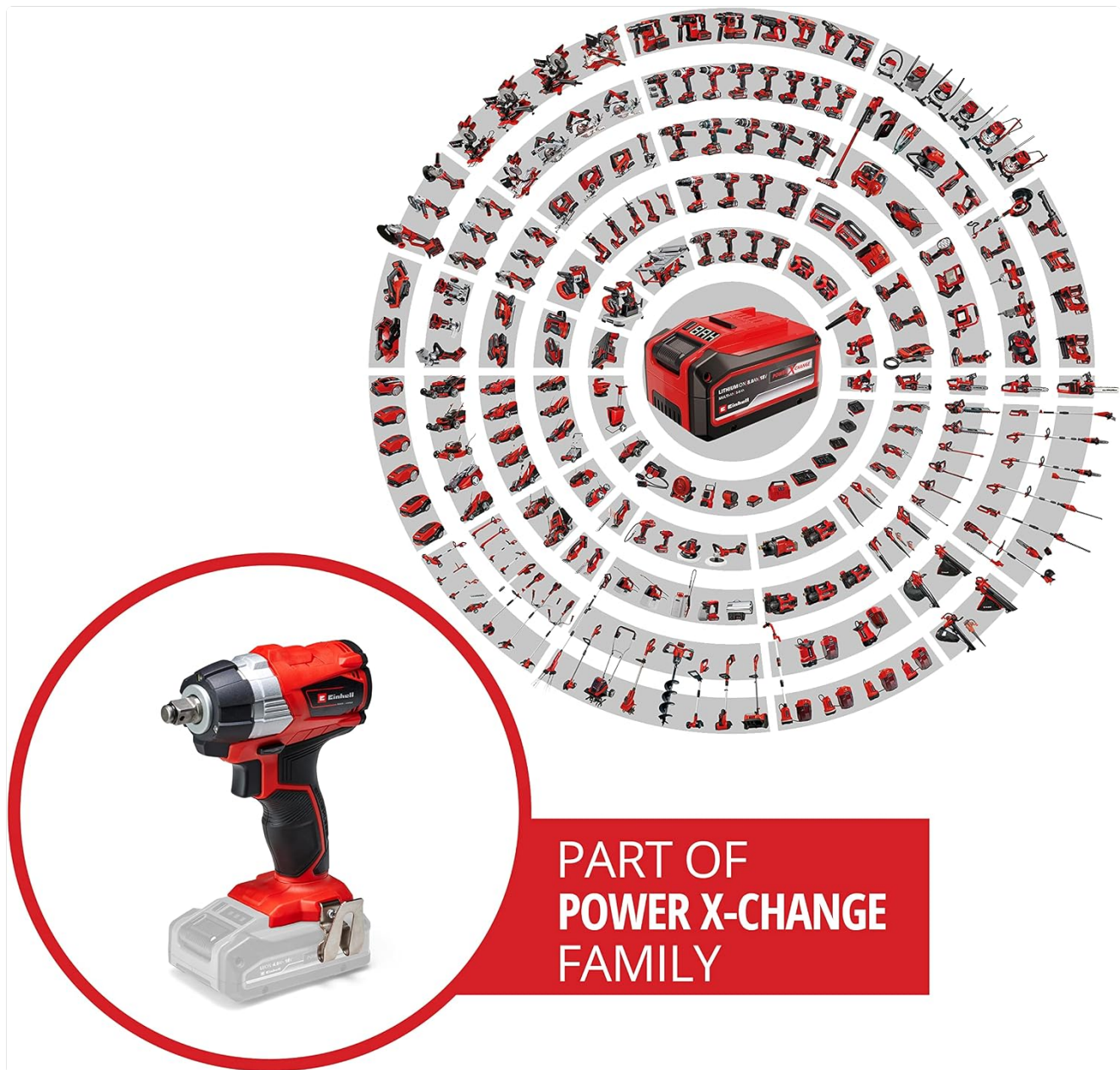


Figure 2: The Einhell TP-CW 18 Li Impact Wrench is part of the Power X-Change family, indicating battery compatibility across a wide range of Einhell tools.



Couple de serrage dur
215 Nm



Moteur sans charbon
puissant et durable



Porte-embout
4 pans mâles 1/2"



Variateur électronique
vissage en douceur

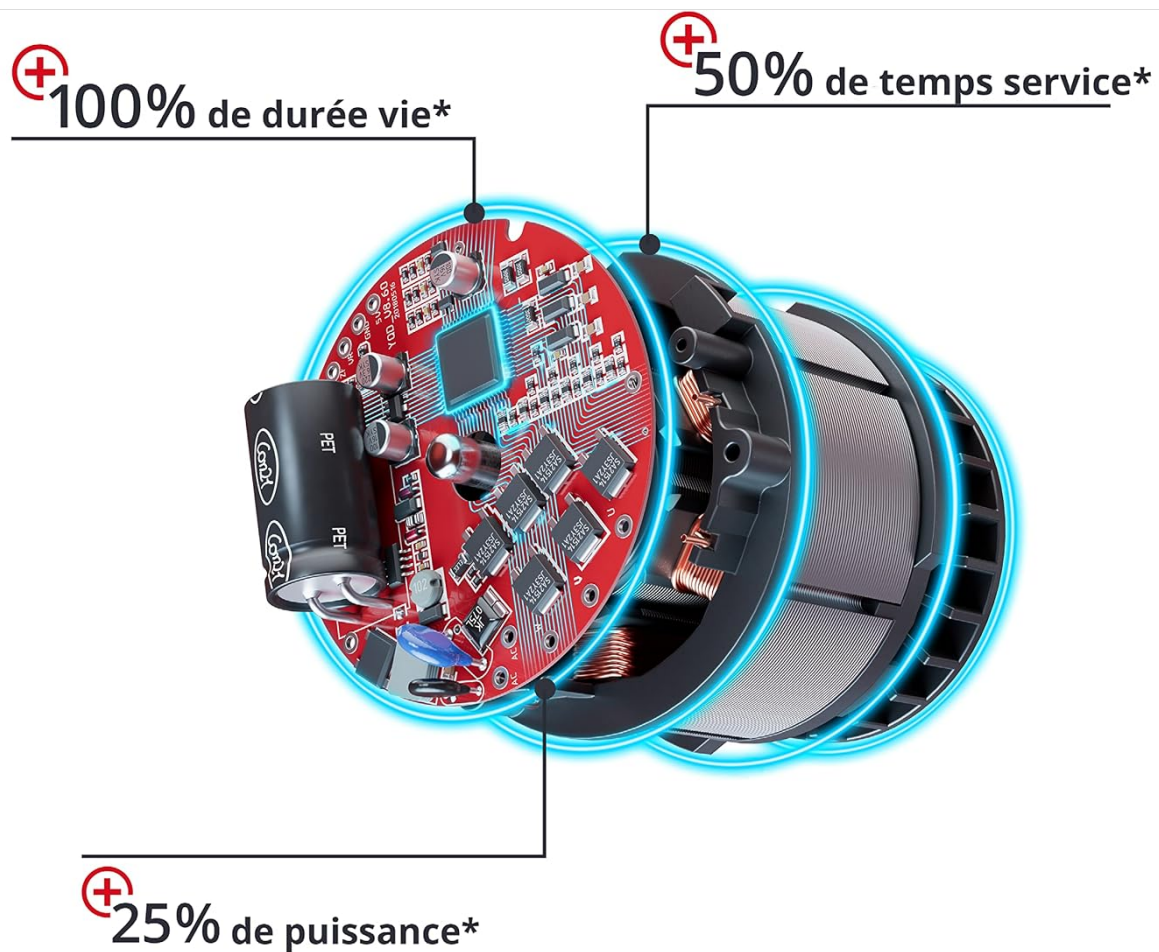


Fonction d'arrêt rapide
arrêt immédiat du vissage



Surfaces Softgrip
manipulation confortable

Figure 3: Diagram illustrating key features: 215 Nm torque, powerful and durable brushless motor, 1/2" male square bit holder, electronic speed control for smooth screwing, quick stop function for immediate stopping, and soft-grip surfaces for comfortable handling.



*Données approximatives par rapport aux moteurs à charbon classiques

Moteur sans charbon – plus de puissance et durée de vie prolongée

Figure 4: Internal diagram of the brushless motor, illustrating its components and highlighting benefits such as 100% lifespan, 50% runtime, and 25% more power compared to conventional carbon brush motors.

4. SETUP

4.1. Battery Installation

The Einhell TP-CW 18 Li Brushless-Solo Impact Wrench operates with an 18V Power X-Change battery (not included). Ensure the battery is fully charged before use.

1. Align the battery pack with the battery slot at the base of the tool.
2. Slide the battery into the slot until it clicks securely into place.
3. To remove, press the release button on the battery and slide it out.



Batterie et chargeur disponibles séparément

Figure 5: Illustration indicating that the battery and charger are available separately and are not included with the wrench-only product.

4.2. Attaching Sockets and Bits

The impact wrench features a robust 1/2" external square drive mount. It also includes a bit adapter for screwdriving.

1. **For Sockets:** Push the desired 1/2" square drive socket onto the drive mount until it locks securely.
2. **For Screwdriving Bits:** Attach the included bit adapter to the 1/2" square drive mount. Then, insert the desired screwdriving bit into the adapter.
3. Ensure all attachments are firmly seated before operation.



Porte-embout 4 pans mâles 1/2" robuste

Figure 6: Close-up view of the robust 1/2 inch external square drive mount, ready for socket attachment.



Adaptateur pour embouts - pour l'utilisation d'embouts de vissage

Figure 7: The impact wrench with the bit adapter attached, demonstrating its use for screwdriving applications.

5. OPERATING INSTRUCTIONS

5.1. General Operation

1. Ensure the battery is installed and the correct accessory (socket or bit) is attached.
2. Hold the tool firmly with both hands, if possible, especially for high-torque applications.
3. Position the socket or bit onto the fastener.
4. Press the trigger to start the tool. The integrated LED light will illuminate the work area.
5. Apply steady pressure and allow the tool to do the work. The impact mechanism will engage as resistance is met.
6. Release the trigger to stop the tool.



Figure 8: A user operating the Einhell impact wrench to drive a large screw into wood, demonstrating its application versatility.



Figure 9: A user changing a car tire using the Einhell impact wrench, showcasing its primary function for automotive tasks.

5.2. Direction of Rotation

The tool has a forward/reverse switch, typically located near the trigger. Push the switch to the left for forward rotation (tightening) and to the right for reverse rotation (loosening).

5.3. LED Work Light

The integrated LED light automatically activates when the trigger is pressed, providing illumination to the work area. This is particularly useful in dimly lit environments.



Lampe LED pour un éclairage optimal de la zone de travail

Figure 10: Close-up of the impact wrench head, showing the integrated LED lights illuminating the area around the 1/2" square drive mount.

6. MAINTENANCE

6.1. Cleaning

- Always remove the battery pack before cleaning.
- Keep the ventilation slots clean to prevent overheating.
- Wipe the tool housing with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

6.2. Storage

- Store the tool in a dry, secure place, out of reach of children.
- Remove the battery pack from the tool before storing for extended periods.

- The tool can be temporarily hung using its belt clip for convenience during work.



Clip pour un rangement temporaire rapide au niveau de la ceinture

Figure 11: A user demonstrating the use of the belt clip for temporary storage of the impact wrench during work.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start	Battery not inserted correctly or discharged.	Ensure battery is fully inserted. Charge the battery.
Reduced power/torque	Battery low or incorrect accessory.	Recharge battery. Ensure correct size and type of socket/bit is used.
Tool overheats	Blocked ventilation slots or prolonged heavy use.	Clean ventilation slots. Allow tool to cool down. Reduce load.

Problem	Possible Cause	Solution
Accessory not holding	Accessory not fully engaged or worn drive mount.	Push accessory firmly until it locks. If issue persists, inspect drive mount for wear.

8. SPECIFICATIONS

Specification	Value
Brand	Einhell
Model Number	4510040
Power Source	Battery Powered (Power X-Change 18V)
Maximum Rotational Speed	2900 RPM
Maximum Torque	215 Newton Meters
Drive Mount	1/2 inch External Square Drive
Item Weight	1.1 kg
Item Length	14.3 Centimeters
Material Type	Metal
Special Features	Brushless Motor, LED Work Light

max. nombre de boulons de roue à desserrer par charge de batterie

Clé de 22 mm - 120 Nm



Figure 12: Chart showing the maximum number of wheel bolts (22mm - 120 Nm) that can be loosened per battery charge for various Power X-Change battery capacities: 2.0 Ah (505 pcs), 2.5 Ah (630 pcs), 3.0 Ah (760 pcs), 4.0 Ah (1010 pcs), 5.2 Ah (1310 pcs), 6.0 Ah (1520 pcs), 8.0 Ah (2020 pcs).

9. WARRANTY AND SUPPORT

The Einhell TP-CW 18 Li Brushless-Solo Cordless Impact Wrench comes with a 10-year warranty on the brushless motor after online registration. For warranty claims, technical support, or spare parts, please contact your local Einhell service center or visit the official Einhell website. Keep your purchase receipt as proof of purchase. For further assistance, refer to the contact information provided with your product packaging or on the Einhell official website.