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Metabo SSW 18 LTX 800 BL

Metabo 18V 1/2-Inch Square Impact Wrench (Model SSW 18 LTX 800 BL) Instruction Manual

Model Number: 602403840



1. INTRODUCTION

This manual provides essential instructions for the safe and effective operation, maintenance, and troubleshooting of your Metabo 18V 1/2-inch Square Brushless Impact Wrench, Model SSW 18 LTX 800 BL. This tool is engineered for powerful and compact performance in various fastening applications.

The Metabo SSW 18 LTX 800 BL features a 2nd generation brushless motor for high efficiency and extended runtime. It includes an Automatic Power Shift (APS) function to assist in loosening fasteners and prevent them from falling off. The tool offers 12 speed/torque levels via a thumb wheel selector and is equipped with integrated LED work lights for improved visibility.



Figure 1: Metabo 18V 1/2-inch Square Impact Wrench (Model SSW 18 LTX 800 BL). This image shows the main view of the cordless impact wrench, highlighting its ergonomic design and the Metabo branding.

2. GENERAL SAFETY INSTRUCTIONS

Always observe the following safety precautions when operating the impact wrench to prevent injury or damage.

- **Wear Eye Protection:** Always wear appropriate eye protection, such as safety goggles, to protect against flying debris.
- **Wear Hearing Protection:** Prolonged use may require hearing protection.
- **Secure Workpiece:** Ensure the workpiece is stable and securely fastened before operation.
- **Maintain Firm Grip:** Hold the tool firmly with both hands, especially when applying high torque.
- **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 inserting the battery pack or picking up the tool.
- **Use Correct Accessories:** Only use impact-rated sockets and accessories designed for impact wrenches.
- **Inspect Tool Before Use:** Check for any damaged parts or loose connections before each use.
- **Do Not Overreach:** Maintain proper footing and balance at all times.
- **Disconnect Battery:** Always remove the battery pack before making any adjustments, changing accessories, or storing the tool.

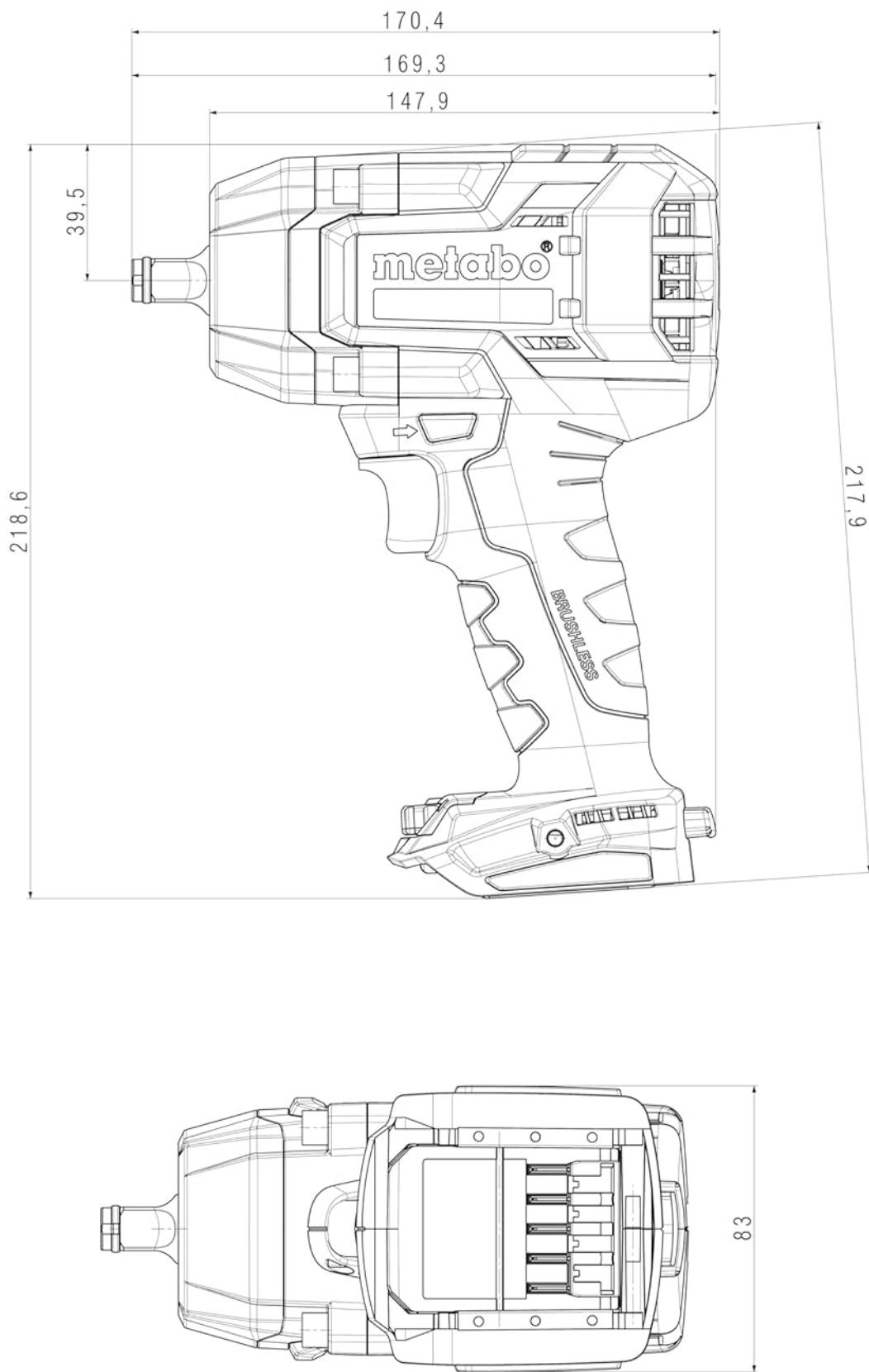
3. PRODUCT COMPONENTS

Familiarize yourself with the main parts of your Metabo Impact Wrench:

1. **1/2-inch Square Drive:** For attaching impact sockets.
2. **Trigger Switch:** Activates the tool and controls speed.
3. **Forward/Reverse Selector:** Changes rotation direction.
4. **Thumb Wheel Speed Selector:** Adjusts speed and torque levels (1-12).
5. **Integrated LED Work Lights:** Illuminates the work area.
6. **Battery Interface:** For connecting Metabo 18V Li-Ion battery packs (sold separately).
7. **Belt Hook:** For convenient temporary storage (included).

SSW 18 LTX 800 BL

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Figure 2: Technical diagram of the Metabo SSW 18 LTX 800 BL impact wrench with dimensions. This diagram provides a detailed outline of the tool, including its length, height, and width, which are useful for understanding its physical characteristics.

4. SETUP

4.1 Battery Installation and Removal

This impact wrench is a bare tool; batteries and chargers are sold separately. Ensure you use compatible Metabo 18V Lithium-Ion battery packs.

- **To Install:** Align the battery pack with the tool's battery interface and slide it in until it clicks securely into place.
- **To Remove:** Press the battery release button (usually located on the battery pack) and slide the battery out of the tool.

4.2 Attaching Accessories

Only use impact-rated sockets with a 1/2-inch square drive.

- Push the desired impact socket onto the 1/2-inch square drive until it is fully seated and secured.
- To remove, pull the socket off the square drive.



Figure 3: Illustration of the Metabo Cordless Alliance System (CAS) battery. This image emphasizes the compatibility of the Metabo 18V battery with a wide range of tools, indicating the modular nature of the power system.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off and Speed Control

- **To Start:** Squeeze the trigger switch. The tool's speed is variable depending on how far the trigger is pressed.
- **To Stop:** Release the trigger switch.
- **Speed/Torque Selection:** Use the thumb wheel selector to choose one of the 12 available speed/torque levels. Select a lower setting for delicate tasks and a higher setting for demanding applications.

5.2 Forward/Reverse Operation

The forward/reverse selector allows you to change the direction of rotation for tightening or loosening fasteners.

- Push the selector to the left for forward (tightening) rotation.
- Push the selector to the right for reverse (loosening) rotation.
- Ensure the tool is stopped before changing the direction of rotation.

5.3 Automatic Power Shift (APS)

The integrated APS function is designed to assist when loosening screws. When activated, it helps prevent fasteners from falling off after they are loosened, improving control and safety.

5.4 Integrated LED Work Lights

The tool features two integrated LED lights that illuminate the work area when the trigger is pressed, providing better visibility in dimly lit conditions.



Figure 4: A worker utilizing the Metabo impact wrench for fastening on a roof structure. This demonstrates the tool's application in construction environments, highlighting its portability and power for overhead work.

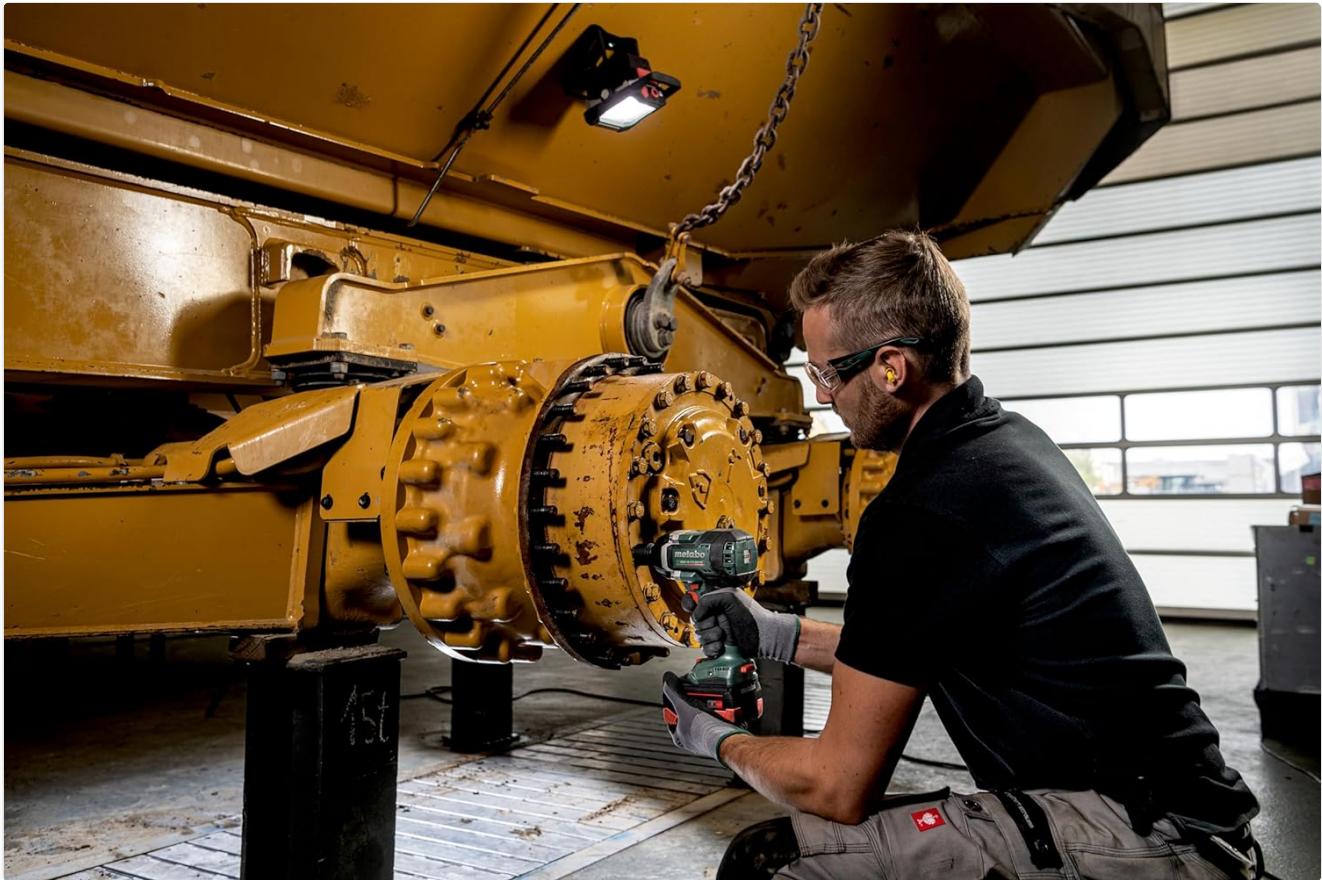


Figure 5: A mechanic using the Metabo impact wrench to work on heavy machinery. This image illustrates the tool's capability for high-torque applications in industrial or automotive settings.



Figure 6: A worker using the Metabo impact wrench to remove lug nuts from a vehicle tire. This showcases the tool's efficiency and power for automotive maintenance tasks.

6. MAINTENANCE

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

- **Cleaning:** Keep the ventilation openings clear and clean. Use a soft, damp cloth to wipe down the tool. Do not use solvents or abrasive cleaners.
- **Inspection:** Periodically inspect the tool for any signs of wear, damage, or loose components. Pay attention to the square drive and housing.
- **Storage:** Store the tool in a dry, secure location, out of reach of children and away from direct sunlight or extreme temperatures. Remove the battery pack before storage.
- **Brushless Motor:** The 2nd generation brushless motor requires minimal maintenance compared to brushed motors, offering high performance and low maintenance.
- **Gear Housing:** The robust die-cast aluminum gear housing is designed for optimum heat dissipation and durability.

7. TROUBLESHOOTING

Refer to the following table for common issues and their potential solutions.

Problem	Possible Cause	Solution
Tool does not start.	Battery not inserted correctly or discharged.	Ensure battery is fully inserted. Charge or replace battery.
Reduced power or torque.	Low battery charge; incorrect speed/torque setting.	Charge battery. Adjust thumb wheel to a higher speed/torque level.
Tool overheats.	Prolonged heavy use; blocked ventilation.	Allow tool to cool down. Clear any obstructions from ventilation openings.
Socket does not attach securely.	Incorrect socket type; square drive worn.	Use only 1/2-inch impact-rated sockets. If drive is worn, contact service.

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	Metabo
Model Number	602403840
Voltage	18V
Head Style	1/2-inch Square
Maximum Torque	590 ft. lbs (800 Nm)
Release Torque	885 ft. lbs (1,200 Nm)
Impact Rate	3,300 BPM
Speed/Torque Levels	12 (via thumb wheel)

Feature	Specification
Motor Type	Brushless
Weight (Tool Only)	4.18 pounds (1.9 Kilograms)
Material	Metal
Power Source	Battery Powered (18V Lithium Ion)

9. WARRANTY INFORMATION

This Metabo product is covered by a **3-Year Limited Warranty**. For detailed terms and conditions, please refer to the warranty card included with your product or visit the official Metabo website.

10. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to arrange for service, please contact Metabo customer support or visit their official website.

Metabo Official Website: [Visit the Metabo Store on Amazon](#) (for general product information and store access)
For specific support, please refer to the contact information provided in your product packaging or on the main Metabo corporate website.

Related Documents - SSW 18 LTX 800 BL

 <p>metabo</p> <p>SSW 18 LTX 400 BL SSW 18 LTX 400 BL SE SSW 18 LTX 600 SSW 18 LTX 800 BL SSW 18 LTX 1450 BL SSW 18 LTX 1750 BL</p> <p>www.metabo.com</p>	<p>Metabo SSW 18 LTX Series Cordless Impact Wrenches - Operating Instructions and Technical Specifications</p> <p>Comprehensive operating instructions, safety information, technical specifications, and accessory details for Metabo SSW 18 LTX series cordless impact wrenches, including models like SSW 18 LTX 400 BL, SSW 18 LTX 600, SSW 18 LTX 800 BL, SSW 18 LTX 1450 BL, and SSW 18 LTX 1750 BL.</p>
 <p>metabo</p> <p>SSW 18 LTX 400 BL SSW 18 LTX 400 BL SE SSW 18 LTX 600 SSW 18 LTX 800 BL SSW 18 LTX 1450 BL SSW 18 LTX 1750 BL</p> <p>www.metabo.com</p>	<p>Metabo SSW 18 LTX Cordless Impact Wrenches - User Manual</p> <p>Comprehensive user manual for Metabo SSW 18 LTX series cordless impact wrenches, including models SSW 18 LTX 400 BL, SSW 18 LTX 400 BL SE, SSW 18 LTX 600, SSW 18 LTX 800 BL, SSW 18 LTX 1450 BL, and SSW 18 LTX 1750 BL. Covers safety instructions, operation, technical specifications, accessories, and environmental protection.</p>

 <p>metabo</p> <p>SSW 18 LTX 550 BL SSW 18 LTX 800 BL SSW 18 LTX 1450 BL SSW 18 LTX 1750 BL</p> <p>www.metabo.com</p>	<p>Metabo SSW 18 LTX Akku-Schlagschrauber Bedienungsanleitung</p> <p>Diese Bedienungsanleitung enthält wichtige Informationen zur sicheren Verwendung und Wartung der Metabo SSW 18 LTX Akku-Schlagschrauber Modelle.</p>
 <p>metabo</p> <p>SSW 18 LTX 550 BL SSW 18 LTX 800 BL SSW 18 LTX 1450 BL SSW 18 LTX 1750 BL</p> <p>www.metabo.com</p>	<p>Metabo SSW 18 LTX Serie: Akku-Schlagschrauber Bedienungsanleitung</p> <p>Umfassende Bedienungsanleitung für die Metabo Akku-Schlagschrauber SSW 18 LTX Serie (550 BL, 800 BL, 1450 BL, 1750 BL). Enthält Informationen zu Sicherheit, Bedienung, technischen Daten und Zubehör.</p>
 <p>metabo</p> <p>SSD 18 LTX 200 BL SSW 18 LTX 300 BL</p> <p>www.metabo.com</p> <p>TMy Bilder für Tiefenwinkel 30°</p>	<p>Metabo SSD 18 LTX 200 BL & SSW 18 LTX 300 BL Akku-Schlagschrauber Betriebsanleitung</p> <p>Offizielle Betriebsanleitung für die Metabo Akku-Schlagschrauber SSD 18 LTX 200 BL und SSW 18 LTX 300 BL. Erfahren Sie mehr über sichere Bedienung, technische Spezifikationen und Wartung. Besuchen Sie www.metabo.com für weitere Informationen.</p>
 <p>metabo</p> <p>SSD 18 LTX 200 BL SSW 18 LTX 300 BL</p> <p>www.metabo.com</p>	<p>Metabo Akku-Schlagschrauber SSD 18 LT 200 BL & SSW 18 LT 300 BL Bedienungsanleitung</p> <p>Umfassende Bedienungsanleitung für die Metabo Akku-Schlagschrauber SSD 18 LT 200 BL und SSW 18 LT 300 BL. Enthält Informationen zu sicherer Handhabung, technischen Daten, Wartung und Zubehör.</p>