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› Metabo 18V Cordless Driver Drill BS 18 LTX-3 BL Q I Instruction Manual

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Metabo 18V Cordless Driver Drill BS 18 LTX-3 BL Q I Instruction Manual

Model: BS 18 LTX-3 BL Q I (Part No. 603184840)

1. PRODUCT OVERVIEW

The Metabo 18V Cordless Driver Drill, model BS 18 LTX-3 BL Q I, is a powerful and versatile tool designed for demanding drilling and screwdriving applications. Featuring a brushless motor and three-speed gearbox, it offers high performance and efficiency, particularly for fast drilling in metal. This manual provides essential information for safe operation, maintenance, and troubleshooting.



Image 1.1: The Metabo 18V Cordless Driver Drill (BS 18 LTX-3 BL Q I) showing its main body, chuck, and attached side handle. This model is designed for robust performance in various applications.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent electric shock, fire, and serious injury.

- **Read all instructions:** Familiarize yourself with the tool's operation and safety guidelines before use.
- **Wear personal protective equipment:** Always wear eye protection, hearing protection, and suitable gloves.
- **Secure workpiece:** Always clamp or otherwise secure the workpiece to prevent movement during drilling.
- **Maintain a firm grip:** Hold the tool firmly with both hands, especially when using the side handle.
- **Keep work area clean:** Cluttered areas and benches invite injuries.
- **Avoid accidental starting:** Ensure the switch is in the off-position before inserting the battery pack.
- **Use correct battery pack:** This tool is designed for 18V Metabo battery packs. (Note: Tool is sold without battery).
- **Electronic Safety Shutdown:** The tool is equipped with an electronic safety shutdown feature to protect against overload. If the tool stops, release the trigger, wait a moment, and then restart.

3. PACKAGE CONTENTS

Verify that all items are present upon unpacking:

- Metabo 18V Cordless Driver Drill (BS 18 LTX-3 BL Q I)
- Quick-change chuck
- Side handle
- metaBOX 145 L (storage case)
- Instruction Manual (this document)

Note: Battery pack and charger are not included with this "Tool Only" model.

4. SETUP

4.1 Attaching the Side Handle

1. Unscrew the side handle counter-clockwise until it is loose enough to slide over the drill's chuck housing.
2. Slide the side handle onto the front of the drill body, positioning it for comfortable and secure grip.
3. Tighten the side handle by screwing it clockwise until it is firmly secured. Ensure it does not rotate freely.

4.2 Installing/Removing the Quick-Change Chuck

1. To install: Align the quick-change chuck with the spindle of the drill. Push it firmly onto the spindle until it clicks into place.
2. To remove: Pull the chuck forward firmly while holding the drill body. The chuck will detach from the spindle.

4.3 Inserting/Removing Drill Bits

1. Ensure the drill is switched off and the battery is removed for safety.
2. Rotate the chuck collar counter-clockwise to open the jaws.
3. Insert the drill bit or screwdriver bit into the chuck jaws. Ensure the bit is centered.
4. Rotate the chuck collar clockwise to tighten the jaws securely around the bit. Hand-tighten firmly.
5. To remove: Rotate the chuck collar counter-clockwise to loosen the jaws and pull out the bit.

4.4 Battery Installation (Not Included)

This tool operates on an 18V Metabo Li-Power or LiHD battery pack. To install, slide the charged battery pack into the base of the drill handle until it clicks into place. To remove, press the release button on the battery pack and slide it out.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

The tool is activated by pressing the trigger switch. The speed is variable depending on how far the trigger is pressed. Release the trigger to turn the tool off.

5.2 Speed Selection (3-Speeds)

The drill features a 3-speed gearbox for optimal performance across various applications:

- **Speed 1 (Low):** For high torque applications, large diameter drilling, and screwdriving.
- **Speed 2 (Medium):** For general drilling and screwdriving.

- **Speed 3 (High):** For fast drilling, especially in metal, with a maximum rotational speed of 4000 RPM.

To change speed, use the gear selector switch located on top of the drill. Ensure the tool is stopped before changing speeds to prevent gear damage.

5.3 Torque Setting

The torque collar allows you to adjust the clutch setting for screwdriving applications. Rotate the collar to select the desired torque. Higher numbers indicate higher torque. For drilling, set the collar to the drill symbol for maximum power.

5.4 Electronic Safety Shutdown

This feature protects the motor and gearbox from overload. If the tool experiences excessive resistance and stops, release the trigger immediately. Allow the tool to cool for a few moments before resuming operation. Reduce the load or adjust settings if the shutdown occurs frequently.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Metabo drill.

- **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 Care:** Periodically inspect the chuck jaws for wear or damage. Clean any accumulated dust or debris from inside the chuck.
- **Storage:** Store the drill in a dry, secure location, out of reach of children. Use the provided metaBOX 145 L for protection during storage and transport.
- **Battery Care:** If using a Metabo battery (sold separately), follow the battery manufacturer's instructions for charging, storage, and maintenance.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drill does not start.	Battery not inserted correctly or discharged.	Ensure battery is fully inserted. Charge battery if necessary.
Drill stops during operation.	Electronic Safety Shutdown activated (overload).	Release trigger, wait a moment, then restart. Reduce load or adjust settings.
Chuck not holding bit securely.	Chuck jaws worn or dirty. Bit not inserted correctly.	Clean chuck jaws. Ensure bit is fully inserted and chuck is tightened firmly. If problem persists, chuck may need replacement.
Reduced power or speed.	Low battery charge. Tool operating under heavy load.	Charge battery. Reduce pressure on the tool or use a lower speed setting for heavy loads.

8. TECHNICAL SPECIFICATIONS

Feature	Specification
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Feature	Specification
Model Number	BS 18 LTX-3 BL Q I (Part No. 603184840)
Brand	Metabo
Power Source	Battery Powered (18V)
Motor Type	Brushless
Number of Speeds	3
Maximum Rotational Speed	4000 RPM
Maximum Torque	1150.6 Inch Pounds
Chuck Size	0.75 Inches (Max)
Voltage	18 Volts
Amperage	1 Amps
Maximum Power	900 Watts
Item Weight	3.9 Pounds
Product Dimensions (L x W x H)	9.1" x 3.2" x 8"
Country of Origin	Germany
Sound Level	85 dB

9. WARRANTY AND SUPPORT

Metabo products are manufactured to the highest quality standards. For information regarding warranty coverage, service, or technical support, please refer to the warranty card included with your product or visit the official Metabo website. Keep your purchase receipt as proof of purchase for warranty claims.

Protection plans are available for purchase separately to extend coverage beyond the standard manufacturer's warranty. Please consult your retailer for details on available protection plans.