

Metabo 602358850

Metabo BS 18 LTX BL I 18V Brushless Cordless Drill Driver User Manual

Model: 602358850

INTRODUCTION

This manual provides essential instructions for the safe and effective operation, maintenance, and troubleshooting of your Metabo BS 18 LTX BL I 18V Brushless Cordless Drill Driver. Please read these instructions carefully before using the tool and keep them for future reference.

GENERAL SAFETY INSTRUCTIONS

WARNING: Read 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.

- Always wear appropriate personal protective equipment, including eye protection, hearing protection, and gloves.
- Ensure the work area is well-lit and free from obstructions.
- Keep children and bystanders away while operating a power tool.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Disconnect the battery pack from the tool before making any adjustments, changing accessories, or storing the tool.
- Use only battery packs and chargers specified by the manufacturer.
- Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation.

PRODUCT OVERVIEW

Familiarize yourself with the components of your Metabo BS 18 LTX BL I drill driver.



Figure 1: Metabo BS 18 LTX BL I Cordless Drill Driver. This image displays the complete drill driver unit, including the main body, chuck, trigger, and detachable side handle. The tool features a green and black housing with red accents.

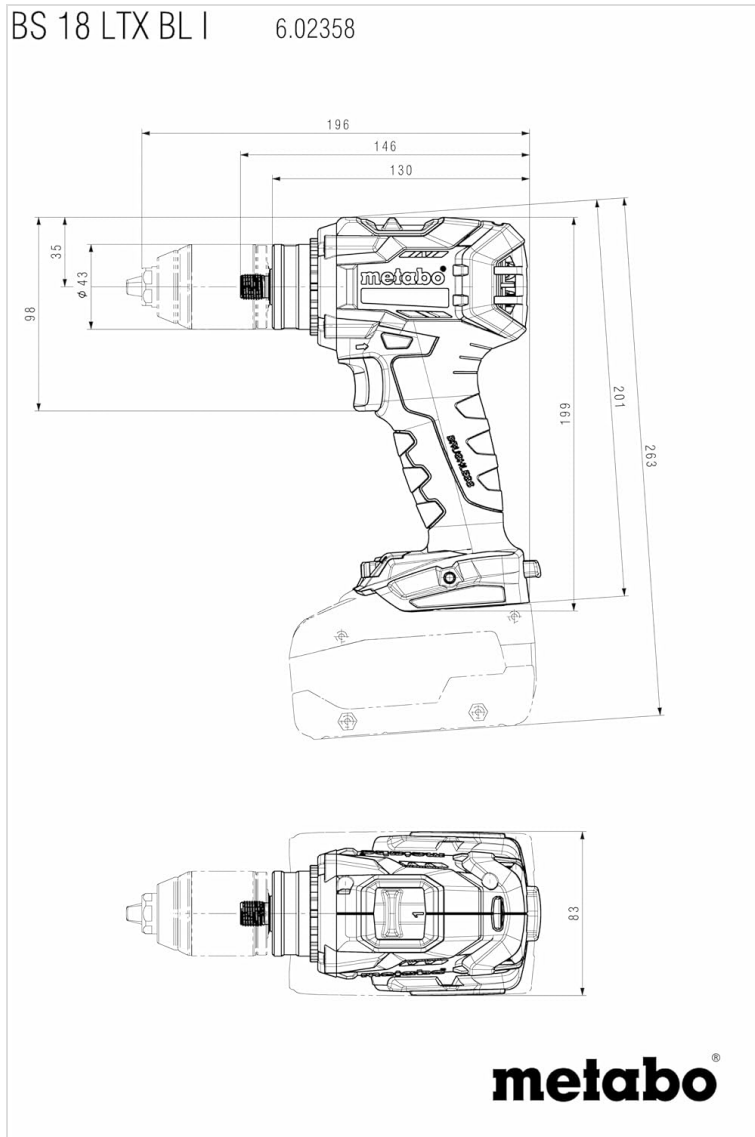


Figure 2: Technical drawing illustrating the dimensions of the Metabo BS 18 LTX BL I drill driver. This diagram provides precise measurements for the tool's length, height, and width, including the chuck diameter (43mm Euro collar).

Key Components:

- **Chuck:** For securing drill bits and other accessories.

- **Torque Adjustment Ring:** To set the desired torque level.
- **Gear Selector:** For high-speed drilling or high-torque driving.
- **Trigger Switch:** Activates the tool and controls speed.
- **Forward/Reverse Selector:** Changes rotation direction.
- **Battery Pack Interface:** For attaching the 18V battery pack.
- **LED Work Light:** Illuminates the work area.
- **Belt Hook:** For convenient temporary storage.
- **Side Handle:** Provides additional control for demanding applications.

SETUP

1. Battery Installation and Removal

1. **To Install:** Align the battery pack with the tool's battery interface and slide it in until it clicks securely into place.
2. **To Remove:** Press the battery release button (if present) and slide the battery pack out.

Note: This tool is part of the CAS (Cordless Alliance System) and is compatible with all 18V battery packs and chargers from CAS brands. Ensure the battery is fully charged before use.



Figure 3: Illustration of the Cordless Alliance System (CAS) battery compatibility. This image shows a CAS battery pack at the center, surrounded by numerous power tools from various brands, all compatible with the same 18V battery system.

2. Attaching Accessories (Drill Bits/Driver Bits)

1. Ensure the tool is switched off and the battery pack is removed.
2. Rotate the chuck counter-clockwise to open the jaws.
3. Insert the drill bit or driver bit fully into the chuck.
4. Rotate the chuck clockwise to tighten the jaws securely around the accessory. Hand-tighten firmly.

3. Attaching the Side Handle

For demanding applications, attach the auxiliary side handle for improved control and safety. Slide the handle onto the Euro collar (43 mm diameter) and tighten it securely in the desired position.

OPERATING INSTRUCTIONS

1. Selecting Rotation Direction

Use the forward/reverse selector switch located above the trigger to choose the desired rotation direction. Push left for forward (drilling/driving screws in) and right for reverse (removing screws).

2. Adjusting Torque and Speed

- **Torque Adjustment:** Rotate the torque adjustment ring to select the appropriate torque setting for your application. Lower settings are for driving small screws or working with soft materials, while higher settings are for larger screws or harder materials. The "Precision Stop" feature provides electronic torque control for accurate work.
- **Gear Selection:** Use the gear selector switch on top of the tool to choose between two speed ranges. Gear 1 provides higher torque and lower speed, suitable for driving screws. Gear 2 provides lower torque and higher speed, ideal for drilling.

3. Using the Impulse Mode

The selectable "impulse" mode is designed for specific tasks:

- Removing damaged screws.
- Spot-drilling on smooth surfaces to prevent the drill bit from wandering.

Refer to the tool's specific controls for activating the impulse function.

4. Electronic Safety Shutdown (Kickback Control)

The tool features an electronic safety shutdown system to prevent kickback if the drill bit jams unexpectedly. This enhances user safety by stopping the motor instantly.



Figure 4: Visual representation of the Anti-Kickback safety feature. This image shows the drill driver preventing rotational force from being transferred to the user when the bit jams, indicated by red arrows showing the tool stopping instead of twisting.



Figure 5: Internal view of the Metabo drill driver, illustrating the Electronic Safety Clutch mechanism. This cutaway view highlights the internal components responsible for the electronic safety shutdown, ensuring user protection during operation.

5. Integrated LED Work Light

The integrated LED work light illuminates the work area when the trigger is pressed. It also features an afterglow function, remaining lit for a short period after the trigger is released to provide continued visibility.

6. Using the Belt Hook and Bit Case

The tool includes a handy belt hook and bit case, which can be attached to either the right or left side of the tool for convenient access and temporary storage.

MAINTENANCE

- **Cleaning:** Regularly clean the ventilation openings of the tool to prevent dust buildup. Use a soft, dry cloth. Do not use water or chemical cleaning agents.
- **Inspection:** Periodically inspect the tool for any signs of damage, loose screws, or worn parts. If damage is found, have the tool repaired by a qualified service technician.
- **Battery Care:** Store battery packs in a cool, dry place. Do not expose them to extreme temperatures or direct sunlight.
- **Storage:** When not in use, store the tool and accessories in a secure, dry place, out of reach of children.

TROUBLESHOOTING

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 performance.	Battery low, incorrect torque setting, or tool overheating.	Charge battery. Adjust torque setting. Allow tool to cool down (overload protection).
Chuck not holding bit securely.	Bit not inserted fully or chuck worn.	Re-insert bit and tighten chuck firmly. If issue persists, chuck may need replacement.

Problem	Possible Cause	Solution
Tool stops unexpectedly (kickback control).	Drill bit jammed or overloaded.	This is a safety feature. Remove the tool from the workpiece, clear any obstruction, and restart. Reduce pressure or use a different bit.

If you encounter problems not listed here or if solutions do not resolve the issue, contact Metabo customer support or an authorized service center.

SPECIFICATIONS

Feature	Detail
Brand	Metabo
Model Number	602358850
Power Source	Battery Powered
Voltage	18 Volts
Motor Type	Brushless
Item Torque	177 Inch Pounds
Maximum Power	850 Watts
Chuck Type	Keyless
Euro Collar Diameter	43 mm
Item Weight	1.7 Kilograms (3.74 pounds)
Product Dimensions	5.51 x 2.36 x 4.72 inches
Sound Level	87 Decibels
Special Features	Wireless, Impulse Mode, Precision Stop, Overload Protection, Electronic Safety Shutdown, Integrated LED Work Light, Belt Hook, Bit Case
Battery Compatibility	CAS (Cordless Alliance System) 18V battery packs

WARRANTY AND SUPPORT

For information regarding warranty coverage, service, or technical support, please refer to the official Metabo website or contact your authorized Metabo dealer. Keep your purchase receipt as proof of purchase for warranty claims.
You can visit the official Metabo store for more information:[Metabo Store on Amazon](#)

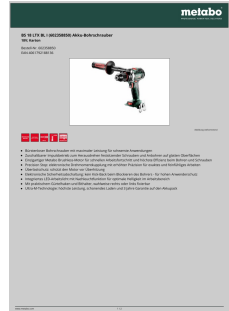
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Related Documents - 602358850

	Metabo GB 18 LTX BL Q I Akku-Bohrschrauber Bedienungsanleitung Entdecken Sie die Bedienungsanleitung für den Metabo GB 18 LTX BL Q I Akku-Bohrschrauber. Erfahren Sie mehr über sichere Anwendung, technische Daten und Wartung dieses leistungsstarken Werkzeugs.
	Metabo MT 18 LTX BL Q SL Cordless Multi-Tool User Manual Comprehensive user manual for the Metabo MT 18 LTX BL Q SL cordless multi-tool, covering safety instructions, operation, maintenance, and technical specifications.

	Metabo KHA 36 LTX / KHA 36-18 LTX 32 Cordless Hammer Drill Operating Instructions Comprehensive operating instructions and technical specifications for the Metabo KHA 36 LTX and KHA 36-18 LTX 32 cordless hammer drills. Covers safety, usage, maintenance, accessories, repairs, environmental protection, and technical data.
	Metabo BS/SB 18 LTX Series Cordless Drills & Hammer Drills Operating Manual Comprehensive operating instructions and technical specifications for Metabo BS 18 LTX BL, BS 18 LTX-3 BL, SB 18 LTX BL, and SB 18 LTX-3 BL series cordless drills and hammer drills. Covers safety, usage, troubleshooting, and technical data.
	Metabo SSW 18 LTX Series Cordless Impact Wrenches - Operating Instructions and Technical Specifications 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.
	Metabo KH 18 LTX BL Series Cordless Rotary Hammer Drill - Operating Instructions Official operating instructions and technical specifications for Metabo KH 18 LTX BL 24, KH 18 LTX BL 24 Q, and KH 18 LTX BL 28 Q cordless rotary hammer drills. Includes safety guidelines, usage instructions, maintenance, and technical data.

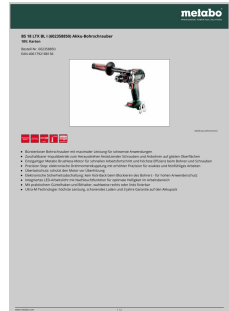
Documents - Metabo – 602358850



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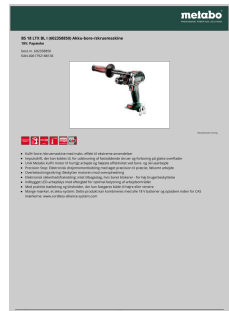
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[Metabo Power Tool Offers May-Sep 2024: Cordless Tools, Drills, Grinders & More](#)

Explore Metabo's promotional flyer for May-September 2024, featuring a comprehensive range of cordless power tools including drill redemption offers on battery packs and tool kits.

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Tax Time Offers Metabo Apr 1 2025 - 130 Nm 3 Speed Hammer Drill Driver SB 18 LTX BL I METAL 2 x 5 8 thread for tripod use Dust splash proof IP 54 2500 ME Tax Time Offers Redemption offers for cordless tool purchases 499 and over. REDEMPTION 1 Spend b ... vers Hammers 18V Drill/T BL I 18V Drill/Driver 2-Speed Quick 130Nm 602359850 BS 18 LTX BL Q I 75 Nm ma...

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After Tax Offers 1 giorno fa — Quiet light low fatigue operation Laser cut diamond ground blades Tool free blade change Safety switch quick stop 12 V version ME After-Tax Offers Redemption offers for cordless tool purchases 499 and over. REDEMPTION 1 Spend ... vers Hammers 18V Drill/Dri BL I 18V Drill/Driver 2-Speed Quick 130Nm 602359850 BS 18 LTX BL Q I 75 Nm ma...

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НОВИНКИ ТА АКЦІЇ Metabo BE 850 2 Вт - Міцний корпус редуктора з алюмінієвого лиття під тиском ASR 35 L APC Продуктивність повітря на турбіні 4380 INOX 1/2025 31.08.2025 www.metabo.ua 1 - 12 , PowerMaxx BS Ba ... 18 LT BL Q 75 / 0600 / 2100 / . 602334860 7 999 . BS 18 LT 603180850 15 999

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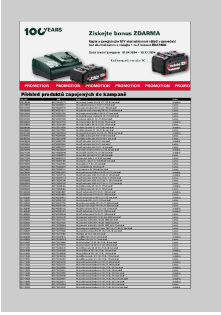
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PDF document showing a list of Metabo products, including a table with columns for product name, EAN, and description. The table lists various Metabo tools and accessories.

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Annika Schiek Liste Der Akku fürs Handwerk 18 Volt System Metabo Artikelliste AktionGratisAkku2 0Ah 4 0A 2022 metabo t3 fileadmin de 010 maschinen Gratis A Artikelliste Aktion Gratis Akku 2022 2.0 Ah / 4.0 Ah - Preislistenartikel Artikelnr. 601718850 6023 ... 602267840 602397850 6016078 600324800 602327500 602366840 602321500 602361840 602402810 613021840 602267850 601614850 ... lang:de score:11 filesize: 213.38 K page_count: 7 document date: 2022-08-08

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PDF document showing a list of Metabo products, including a table with columns for product name, EAN, and description. The table lists various Metabo tools and accessories.

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PDF document showing a list of Metabo products, including a table with columns for product name, EAN, and description. The table lists various Metabo tools and accessories.

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Annika Schiek Metabowerke GmbH Material no EAN Description Product category Metabo SSE 18 LTX BL Compact cordless reciprocating saw Reciprocating saw aktuell 00 specials 99 kampanj ||| Material no. EAN 600146840 4061792195172 600146850 4061792195189 600154850 4007430206817 600 ... 58500 40617921877/ 4061792188136 602359650 4061792187726 602359660 4061792187740 602359770 40617921877 ... lang:en score:10 filesize: 236.03 K page_count: 9 document date: 2024-03-25

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A catalog page titled '100 YEARS' with the subtitle 'Compleet gratis'. It features a grid of various Metabo power tools, including drills, saws, and grinders, arranged in rows and columns. The tools are shown in their packaging, and the page is designed to showcase the company's long history and product range.

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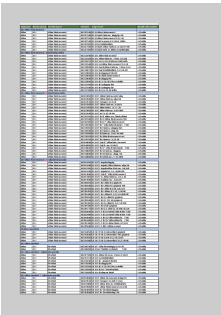
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A catalog page titled 'Aktion Gratis Zugabe' (Free Gift Action). It features a grid of various Metabo power tools, including drills, saws, and grinders, arranged in rows and columns. The tools are shown in their packaging, and the page is designed to showcase the company's long history and product range.

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Annika Schiek Artikelliste Aktion Gratis Zugabe 2023 09 30 — Artikelnr EAN Artikel Produktkategorie 600146840 4061792195172 SXA 18 LTX 125 BL Akku Exzer
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A catalog page showing a grid of various Metabo power tools, including drills, saws, and grinders, arranged in rows and columns. The tools are shown in their packaging, and the page is designed to showcase the company's long history and product range.

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