AEG BSB18SBL-202C IN2

AEG 18V Subcompact Brushless Hammer Drill BSB18SBL-202C IN2 User Manual

Model: BSB18SBL-202C IN2 | Brand: AEG

1. Overview

The AEG 18V Subcompact Brushless Hammer Drill BSB18SBL-202C IN2 is a versatile and powerful cordless tool designed for drilling and driving applications. It features a pistol grip design with a shock-resistant plastic body, offering a compact and lightweight solution for various tasks. This drill delivers up to 60 Nm of torque, making it suitable for drilling into wood, metal, and plastic. Its ergonomic, rubber-coated handle ensures a comfortable and secure one-handed grip, minimizing vibration during operation. The tool is engineered to prevent over-drilling and screw stripping, enhancing precision and efficiency.



Figure 1.1: Front view of the AEG 18V Subcompact Brushless Hammer Drill, showcasing its compact design and keyless chuck.

2. Safety Information

Always adhere to general power tool safety warnings and instructions to prevent electric shock, fire, and serious injury. Keep this manual for future reference.

- **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 appropriate personal protective equipment (PPE), including eye protection, hearing protection, and gloves. Dress properly; avoid loose clothing or jewelry that can get caught in moving parts.
- **Tool Use and Care:** Do not force the power tool. Use the correct 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. Package Contents

Verify that all items are present and in good condition upon opening the package. If any items are missing or damaged, please contact your retailer.

- 1 x AEG BSB18SBL-202C 18V Brushless Subcompact Hammer Drill IN2

Note: Batteries and charger are sold separately and are required for tool operation.

4. Setup

4.1 Charging the Battery (Battery Sold Separately)

Before first use, fully charge the battery pack using a compatible AEG 18V charger. Refer to your battery and charger manuals for specific charging instructions.

4.2 Attaching and Removing the Battery Pack

- **To Attach:** Align the battery pack with the base of the drill handle. Slide the battery pack into the tool until it clicks securely into place.
- **To Remove:** Press the battery release button(s) located on the sides of the battery pack and slide the battery out of the tool.

4.3 Installing and Removing Drill Bits/Accessories

- **To Install:** Rotate the chuck counter-clockwise to open the jaws. Insert the drill bit or accessory fully into the chuck. Rotate the chuck clockwise to tighten the jaws firmly around the bit. Ensure the bit is centered and secure.

- **To Remove:** Rotate the chuck counter-clockwise to loosen the jaws and pull the bit out.



Figure 4.1: Side view of the drill, showing the chuck and battery interface area.

5. Operating Instructions

5.1 Powering On/Off

The tool is activated by pressing the variable speed trigger. The further the trigger is pressed, the faster the drill operates. Release the trigger to turn the tool off.

5.2 Speed and Torque Adjustment

- **Speed Selector:** Use the speed selector switch (typically located on top of the drill) to choose between two speed settings: low speed for high torque applications (e.g., driving screws) and high speed for faster drilling.
- **Torque Collar:** Rotate the torque adjustment collar (located behind the chuck) to select the desired torque setting. This prevents over-driving screws and stripping screw heads. For drilling, set the collar to the drill icon for maximum torque.

5.3 Forward/Reverse Rotation

The forward/reverse selector switch (located above the trigger) controls the direction of rotation. Push it to the left for forward (clockwise) rotation for drilling and driving, and to the right for reverse (counter-clockwise) rotation for removing screws or freeing stuck bits.

5.4 Drilling into Wood, Metal, and Plastic

- Select the appropriate drill bit for the material.
- Set the torque collar to the drill icon.
- Apply steady, even pressure. Do not force the drill.
- For metal, use a cutting lubricant and start with a pilot hole for larger diameters.



Figure 5.1: The drill in action, demonstrating its capability for drilling into wood.

5.5 Hammer Drilling (for Masonry/Concrete)

This model features a hammer drill function for drilling into masonry and concrete. Ensure you use appropriate masonry drill bits.

- Set the torque collar to the hammer drill icon.
- Apply firm, consistent pressure. The hammer action will assist in breaking through hard materials.

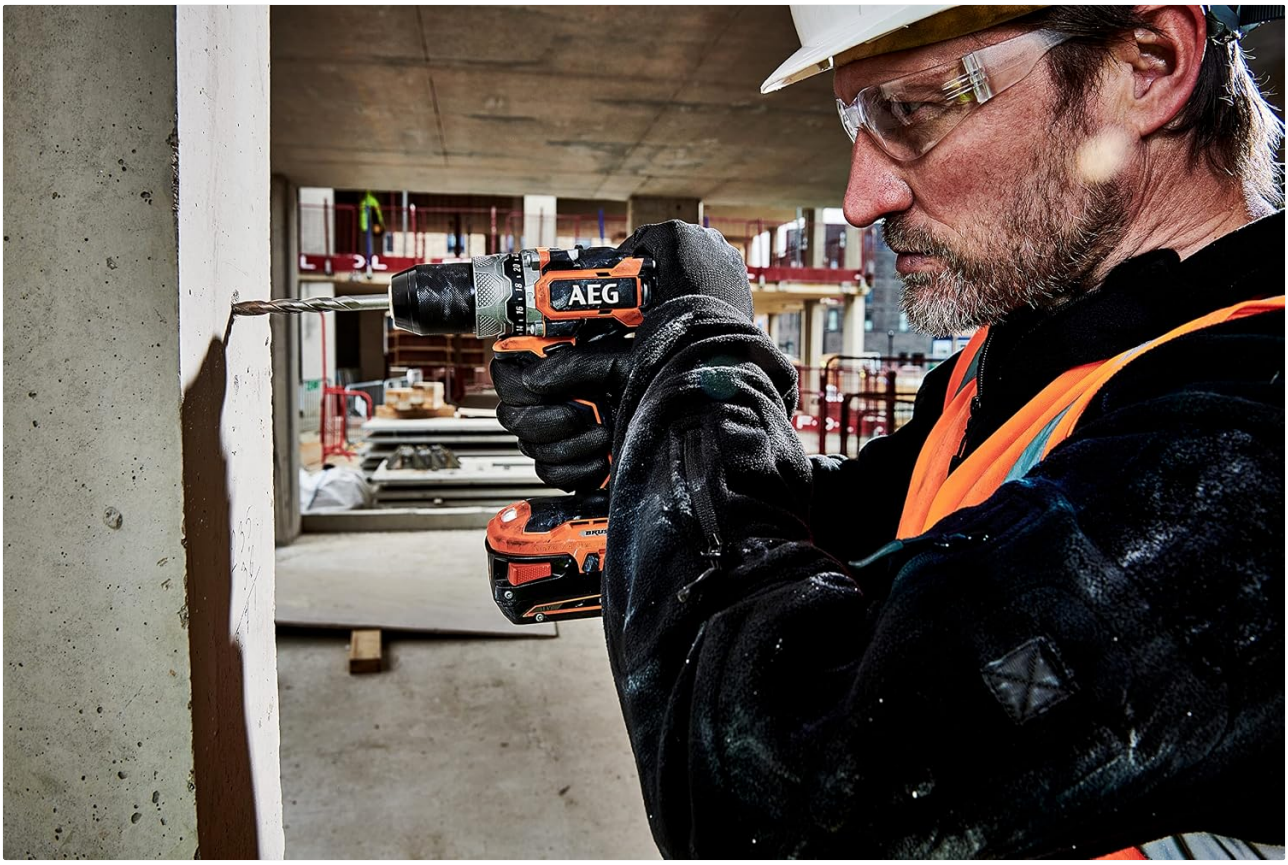


Figure 5.2: The drill being used for hammer drilling into a concrete surface.

6. Maintenance

Regular maintenance ensures optimal performance and extends the life of your tool.

- **Cleaning:** Keep the tool's ventilation openings clear and free of debris. Use a soft, damp cloth to clean the exterior. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the tool and battery pack in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure the battery is removed from the tool before storage.
- **Battery Care:** Do not store battery packs in a discharged state. Recharge them regularly, even if not in use, to maintain battery health.

7. Troubleshooting

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

- **Tool Not Starting:** Ensure the battery pack is fully charged and securely inserted. Check if the forward/reverse selector is in the neutral (locked) position.
- **Bit Stuck in Material:** Engage the reverse rotation function and gently pull the drill out. Do not force it.

- **Overheating:** Allow the tool to cool down. Ensure ventilation slots are not blocked. Avoid continuous heavy-duty use without breaks. The tool features reliable heat and overload protection.
- **Reduced Performance:** Check battery charge. Ensure the correct speed and torque settings are selected for the task.

For issues not covered here, please contact AEG customer support.

8. Specifications

Feature	Specification
Brand	AEG Powertools
Model Number	BSB18SBL-202C IN2 (4935478456)
Power Source	Battery Powered (DC)
Voltage	18 Volts
Max Torque	60 Newton-meters
No-Load Speed	1750 RPM
Number of Speeds	2
Special Features	Reverse Rotation, Brushless Motor, Overload Protection
Material	Metal (Chassis/Components)
Color	Multi-color (Orange/Black)
Item Weight	1.4 Kilograms
Product Dimensions	38.4 x 11 x 29 cm
Battery Type	Lithium-ion (Not Included)
Country of Origin	Germany

9. Warranty and Support

AEG Powertools products are manufactured to high standards and undergo rigorous quality control. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. Please refer to the warranty card included with your purchase or visit the official AEG Powertools website for detailed warranty terms and conditions.

For technical support, service, or spare parts, please contact your local AEG Powertools service center or authorized dealer. You can find contact information on the official AEG website or through your retailer.

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