

Einhell TE-HD 18/12 Li (Model 2021)

Einhell Power X-Change Akku-Bohrhammer TE-HD 18/12 Li User Manual

Model: TE-HD 18/12 Li (Model 2021)

1. PRODUCT OVERVIEW

The Einhell cordless hammer drill TE-HD 18/12 Li-Solo is a versatile and powerful tool designed for drilling and percussion drilling tasks. As part of the Power X-Change family, it offers cordless freedom and compatibility with any Power X-Change battery.



Figure 1: Einhell TE-HD 18/12 Li Cordless Hammer Drill. This image shows the main product, a red and black cordless hammer drill, without a battery attached.

Key features include:

- **Cordless Freedom:** Operates on the Einhell Power X-Change battery system, eliminating the need for power cords.
- **Three Functions:** Capable of drilling, hammer drilling, and chiseling (with appropriate accessories).
- **Pneumatic Impact Mechanism:** Delivers up to 1.3 joules of impact energy for effective drilling in concrete (up to 12mm).
- **Robust Design:** Features a powerful motor and durable metal transmission for high torque.
- **SDS-Plus Chuck:** Universal SDS-Plus tool chuck with semi-automatic operation for quick bit changes.
- **Speed Control Electronics:** Allows adaptation of output to the material and task.
- **LED Light:** Integrated LED lamp for optimal illumination of the working area.
- **Ergonomic Softgrip:** Provides comfortable handling and control.



Figure 2: Diagram highlighting key features of the Einhell TE-HD 18/12 Li. Labels point to the pneumatic impact mechanism, SDS-Plus chuck, LED light, speed control electronics, and the 2+1 functions (impact drilling, conventional drilling, screwdriving).



Figure 3: Illustration showing the Einhell TE-HD 18/12 Li as part of the larger Power X-Change family, emphasizing battery compatibility across over 300 tools.

2. SAFETY INSTRUCTIONS

Always observe general power tool safety guidelines to prevent electric shock, fire, and serious injury. Keep this instruction manual for future reference.

2.1 General Power Tool Safety Warnings

- **Work Area Safety:** Keep work area clean and well lit. 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. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Stay alert, watch what you are doing and use common sense. Use personal protective

equipment such as safety glasses, hearing protection, and dust masks.

- **Power 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. SETUP

The Einhell TE-HD 18/12 Li is supplied without a battery or charger. These components are sold separately and are essential for operation.



Supplied without battery or charger

Figure 4: Image indicating that the product is supplied without a battery or charger, which must be acquired separately.

3.1 Attaching the Battery Pack

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

3.2 Installing Drill Bits and Accessories

The tool features a universal SDS-Plus chuck for quick and secure bit changes.



LED light for easy illumination of the working area

Figure 5: Close-up of the SDS-Plus tool holder, illustrating its semi-automatic operation for easy bit insertion and removal.

1. Pull back the chuck sleeve.
2. Insert the SDS-Plus drill bit or accessory into the chuck.
3. Release the chuck sleeve. The bit should lock into place. Pull on the bit to ensure it is securely fastened.
4. To remove, pull back the chuck sleeve and pull the bit out.

A magnetic adapter for screwdriver bits is included for screwdriving applications.

Max. number of holes per battery charge

holes 6x50 mm - concrete



2.0 AH
45 pcs.



2.5 AH
57 pcs.



3.0 AH
82 pcs.



4.0 AH
96 pcs.



5.2 AH
140 pcs.



6.0 AH
166 pcs.



8.0 AH
182 pcs.

Figure 6: Image showing the included magnetic adapter designed for use with standard screwdriver bits.

4. OPERATING INSTRUCTIONS

The Einhell TE-HD 18/12 Li offers multiple operating modes for various applications.



SDS-Plus tool holder with semi-automatic operation

Figure 7: Close-up of the mode selector switch, indicating two primary modes for flexible application.

4.1 Selecting Operating Mode

Use the mode selector switch to choose between drilling, hammer drilling, or chiseling (if applicable with specific accessories).

- **Drilling Mode:** For drilling into wood, metal, or plastic.
- **Hammer Drilling Mode:** For drilling into concrete, masonry, and stone.
- **Chiseling Mode:** For light chiseling work (requires appropriate chisel bit).

4.2 Starting and Stopping the Tool

1. To start, press the ON/OFF trigger switch.
2. To stop, release the ON/OFF trigger switch.

4.3 Speed Control

The tool features precision speed electronics. The speed can be adjusted by varying the pressure on the ON/OFF trigger switch. Apply less pressure for lower speeds and more pressure for higher speeds.

4.4 LED Work Light

The integrated LED light illuminates the work area automatically when the trigger is pressed, improving visibility in dimly lit conditions.



**Includes magnetic adapter for
screwdriver bits**

Figure 8: The cordless hammer drill with its LED light activated, demonstrating how it illuminates the work area for improved visibility.

4.5 Drilling Performance

The maximum number of holes per battery charge varies depending on the battery capacity and material. For concrete (6x50 mm holes), approximate performance is:

Approximate Holes per Battery Charge (Concrete 6x50 mm)

Battery Capacity	Approx. Holes
2.0 Ah	45 pcs.
2.5 Ah	57 pcs.
3.0 Ah	82 pcs.
4.0 Ah	96 pcs.
5.2 Ah	140 pcs.
6.0 Ah	166 pcs.
8.0 Ah	182 pcs.

Max. number of holes per battery charge

holes 6x50 mm - concrete



2.0 AH
45 pcs.



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5.2 AH
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166 pcs.



8.0 AH
182 pcs.

Figure 9: Visual representation of the maximum number of 6x50 mm holes that can be drilled in concrete per battery charge, across various Power X-Change battery capacities.



Figure 10: A user demonstrating the Einhell TE-HD 18/12 Li hammer drill in action, drilling into a concrete wall, highlighting its practical application.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Einhell TE-HD 18/12 Li.

5.1 Cleaning

- Keep the ventilation slots clean to prevent overheating.
- Wipe the tool housing with a soft, damp cloth. Do not use harsh cleaning agents or solvents.
- Clean the SDS-Plus chuck regularly to ensure smooth operation.

5.2 Storage

- Store the tool in a dry, well-ventilated area, away from direct sunlight and moisture.
- Ensure the battery pack is removed before storage.
- Store the tool and accessories in their original case or a suitable storage container.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Einhell TE-HD 18/12 Li.

Problem	Possible Cause	Solution
Tool does not start.	Battery not inserted correctly or discharged.	Ensure battery is fully inserted. Charge battery if necessary.
Reduced drilling performance.	Worn drill bit; incorrect mode selected; battery low.	Replace drill bit. Select appropriate mode (e.g., hammer drilling for concrete). Charge battery.
Bit not locking into chuck.	Chuck dirty or damaged; incorrect bit type.	Clean chuck. Ensure SDS-Plus bit is used. If problem persists, contact service.
Tool overheats.	Blocked ventilation slots; continuous heavy use.	Clean ventilation slots. Allow tool to cool down during prolonged use.

7. SPECIFICATIONS

Specification	Value
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Specification	Value
Brand	Einhell
Model Number	TE-HD 18/12 Li (Model 2021) / 4513970
Power Source	Battery Powered (Power X-Change 18V)
Voltage	18 Volts
Maximum Rotational Speed	1300 RPM
Impact Energy	1.3 Joules (Pneumatic)
Drill Type	Hammer Drill
Chuck Type	SDS-Plus
Drilling Capacity Wood	14 Millimeters
Drilling Capacity Metal	8 Millimeters
Drilling Capacity Concrete	12 Millimeters
Item Weight	1.49 Kilograms (approx. 3.28 pounds)
Product Dimensions (L x W x H)	9.76" x 2.87" x 7.68"
Material	Metal
Included Components	Cordless hammer drill, Magnetic adapter for screwdriver bits
Batteries Included?	No (Sold Separately)
Special Feature	Portable

8. WARRANTY AND SUPPORT

Einhell products are manufactured to high quality standards and undergo strict quality controls. Should you experience any issues, please refer to the following information.

8.1 Warranty Information





The EU Spare Part Availability Duration for this product is 2 Years. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Einhell website.

8.2 Customer Support

For technical assistance, spare parts, or service inquiries, please contact Einhell customer support. Contact details can typically be found on the official Einhell website or in the product packaging.

Official Einhell Website: www.einhell.com

Related Documents

	<p>Einhell Szerszámgépek 2024 Katalógus</p> <p>Az Einhell 2024-es szerszámgép katalógusa bemutatja a Power X-Change akkumulátorrendszert, a kéziszerszámokat, nagygépeket és professzionális termékeket, kiemelve a PurePOWER Brushless motorokat és a garanciális feltételeket.</p>
	<p>Einhell TE-VC 18 Li Akku-Handstaubsauger - Originalbetriebsanleitung</p> <p>Umfassende Betriebsanleitung für den Einhell TE-VC 18 Li Akku-Handstaubsauger, inklusive Sicherheitshinweisen, technischen Daten, Montage-, Bedienungs- und Wartungsanleitungen sowie Garantieinformationen. Teil des Power X-Change Systems.</p>
	<p>Einhell TE-AG 18/115-2 Li Akku-Winkelschleifer Bedienungsanleitung</p> <p>Die offizielle Bedienungsanleitung für den Einhell TE-AG 18/115-2 Li Akku-Winkelschleifer. Enthält wichtige Informationen zur sicheren Handhabung, technischen Daten und Wartung des kabellosen Winkelschleifers von Einhell.</p>
	<p>Einhell TE-HV 18/06 Li Akku-Handstaubsauger: Bedienungsanleitung und Sicherheitshinweise</p> <p>Umfassende Bedienungsanleitung für den Einhell TE-HV 18/06 Li Akku-Handstaubsauger, die Sicherheit, Montage, Bedienung, Wartung und Entsorgung abdeckt.</p>