TC-ID 18 Li

D **Originalbetriebsanleitung**
Akku-Schlagbohrmaschine

GB **Original operating instructions**
Cordless Impact Drill

F **Instructions d'origine**
Perceuse à percussion sans fil

I **Istruzioni per l'uso originali**
Trapano a percussione a batteria

DK/N **Original betjeningsvejledning**
Akku-slagboremaskine

S **Original-bruksanvisning**
Batteridriven slagborrmaskin

CZ **Originální návod k obsluze**
Akumulátorová příklepová vrtačka

SK **Originálny návod na obsluhu**
Akumulátorová príklepová vŕtačka

NL **Originele handleiding**
Accu slagboormachine

E **Manual de instrucciones original**
Taladro de percusión inalámbrico

FIN **Alkuperäiskäyttöohje**
Akkuiskuporakone

SLO **Originalna navodila za uporabo**
Akumulatorski udarni vrtalni stroj

H **Eredeti használati utasítás**
Akkus-ütvefúrógép

RO **Instrucțiuni de utilizare originale**
Maşină de găurit cu percuție cu acumulator

GR **Πρωτότυπες Οδηγίες χρήσης**
Κρουστικό δράπανο, με μπαταρία

P **Manual de instruções original**
Akumulatorowa wiertarka udarowa

HR/BIH **Originalne upute za uporabu**
Akumulatorska udarna bušilica

RS **Originalna uputstva za upotrebu**
Akumulatorska udarna bušilica

TR **Orijinal Kullanma Talimatı**
Akülü darbeli matkap

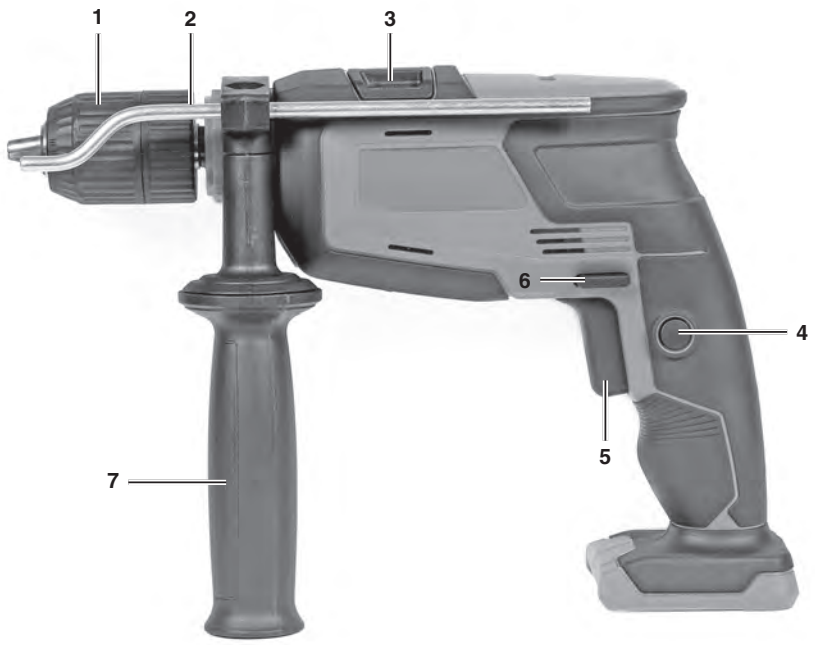
PL **Instrukcją oryginalną**
Akumulatorowa wiertarka udarowa

EE **Originaalkasutusjuhend**
Akulööktrell

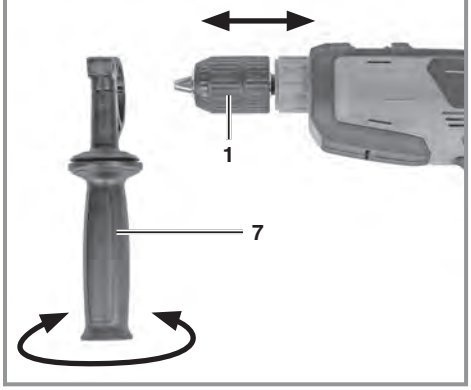
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Art.-Nr.: 45.139.60 **I.-Nr.: 11019**

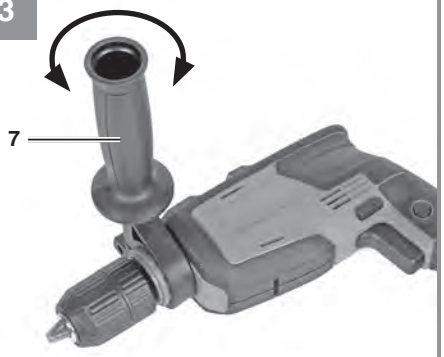
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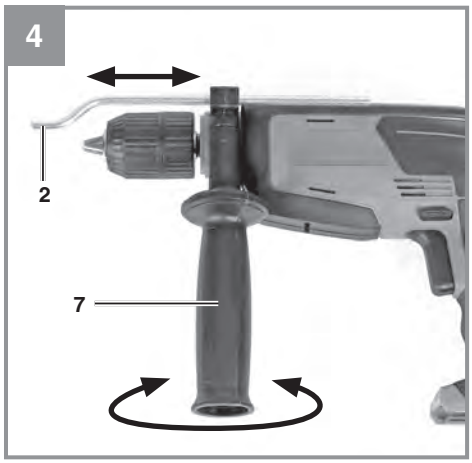
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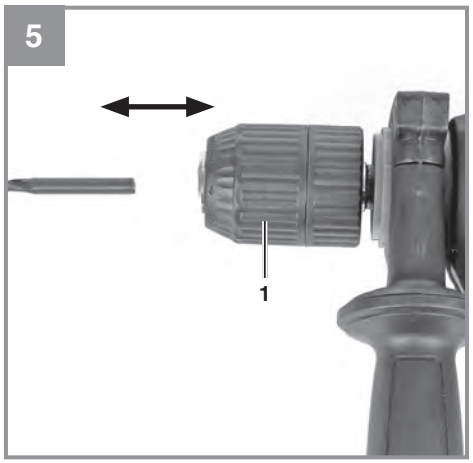


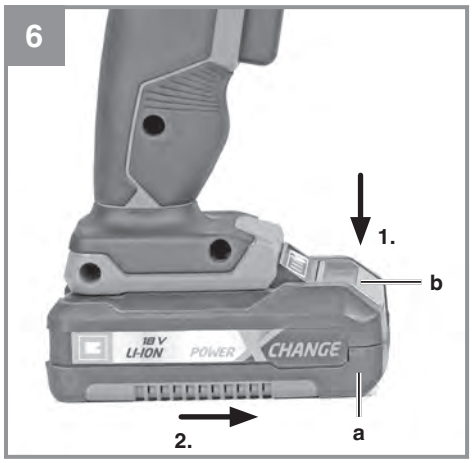
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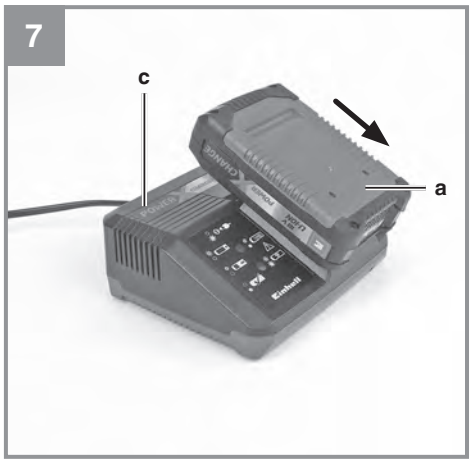


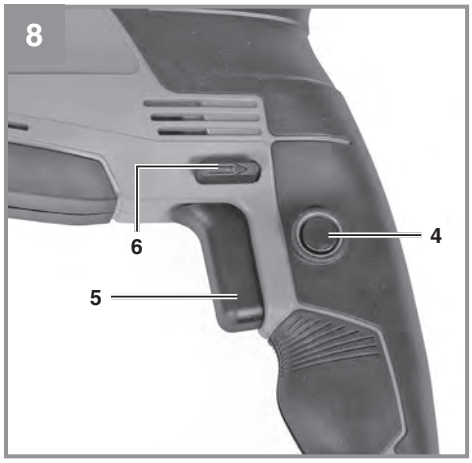
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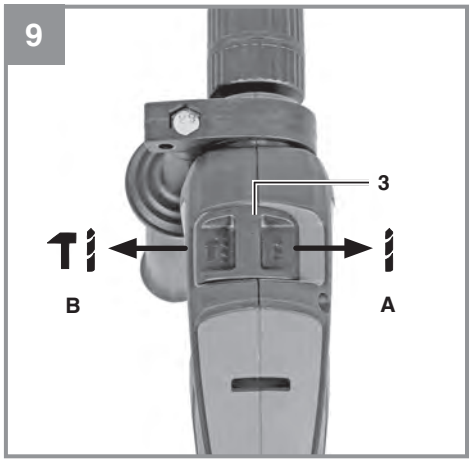












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Danger!
When using the equipment, a few safety precautions must be observed to avoid injuries and damage. Please read the complete operating instructions and safety regulations with due care. Keep this manual in a safe place, so that the information is available at all times. If you give the equipment to any other person, hand over these operating instructions and safety regulations as well. We cannot accept any liability for damage or accidents which arise due to a failure to follow these instructions and the safety instructions.

Explanation of the symbols used (see Fig. 11)
1. **Danger!** - Read the operating instructions to reduce the risk of injury.
2. **Caution! Wear ear-muffs.** The impact of noise can cause damage to hearing.
3. **Caution! Wear a breathing mask.** Dust which is injurious to health can be generated when working on wood and other materials. Never use the device to work on any materials containing asbestos!
4. **Caution! Wear safety goggles.** Sparks generated during working or splinters, chips and dust emitted by the device can cause loss of sight.
5. To avoid damaging the gearbox, the drill / hammer drill selector switch should only be moved when the machine is at a standstill

1. Safety regulations

The corresponding safety information can be found in the enclosed booklet.
Warning!
Read all the safety information, instructions, illustrations and technical data provided on or with this power tool. Failure to adhere to the following instructions may result in electric shock, fire and/or serious injury.
Keep all the safety information and instructions in a safe place for future use.

2. Layout and items supplied

2.1 Layout (Fig. 1)
1. Keyless chuck
2. Drill depth stop
3. Drill/hammer drill selector switch
4. Locking button
5. ON/OFF switch
6. Changeover switch
7. Additional handle

2.2 Items supplied
Please check that the article is complete as specified in the scope of delivery. If parts are missing, please contact our service center or the sales outlet where you made your purchase at the latest within 5 working days after purchasing the product and upon presentation of a valid bill of purchase. Also, refer to the warranty table in the service information at the end of the operating instructions.
- Open the packaging and take out the equipment with care.
- Remove the packaging material and any packaging and/or transportation braces (if available).
- Check to see if all items are supplied.
- Inspect the equipment and accessories for transport damage.
- If possible, please keep the packaging until the end of the guarantee period.

Danger!
The equipment and packaging material are not toys. Do not let children play with plastic bags, foils or small parts. There is a danger of swallowing or suffocating!

- Hammer drill
- Drill depth stop
- Original operating instructions
- Safety instructions

3. Proper use

The impact drill is designed for drilling holes into wood, iron and non-ferrous metals, and for impact drilling in stone, using the appropriate bits.

The equipment is not designed for tightening screws of any kind.

The equipment is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user / operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.

Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the

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machine is used in commercial, trade or industrial businesses or for equivalent purposes.

4. Technical data

Voltage supply .....18 V d.c.
Idling speed: .....0-2600 min^{-1}
Drilling capacity ..... Concrete 13 mm
..... Steel 10 mm
..... Wood 25 mm
Weight: .....1.6 kg

Danger!
Sound and vibration
Sound and vibration values were measured in accordance with EN 62841.

L_{pA} sound pressure level ..... 82 dB(A)
K_{pA} uncertainty .....5 dB
L_{WA} sound power level ..... 93 dB(A)
K_{WA} uncertainty .....5 dB

Wear ear-muffs.
The impact of noise can cause damage to hearing.

Total vibration values (vector sum of three directions) determined in accordance with EN 62841.

Hammer drilling in concrete
Vibration emission value $a_{h, ID}$ = 4.8 m/s^2
K uncertainty = 1.5 m/s^2

The stated vibration emission levels and stated noise emission values were measured in accordance with a set of standardized criteria and can be used to compare one power tool with another.

The stated vibration emission levels and stated noise emission values can also be used to make an initial assessment of exposure.

Warning:
The vibration and noise emission levels may vary from the level specified during actual use, depending on the way in which the power tool is used, especially the type of workpiece it is used for.

Keep the noise emissions and vibrations to a minimum.
- Only use appliances which are in perfect working order.
- Service and clean the appliance regularly.
- Adapt your working style to suit the appliance.
- Do not overload the appliance.
- Have the appliance serviced whenever necessary.
- Switch the appliance off when it is not in use.

Caution!
Residual risks
Even if you use this electric power tool in accordance with instructions, certain residual risks cannot be rules out. The following hazards may arise in connection with the equipment's construction and layout:
1. Lung damage if no suitable protective dust mask is used.
2. Damage to hearing if no suitable ear protection is used.
3. Health damage caused by hand-arm vibrations if the equipment is used over a prolonged period or is not properly guided and maintained.

5. Before starting the equipment

Warning!
Always remove the battery pack before making adjustments to the equipment.

5.1. Fitting the additional handle (Fig. 2-3/Item 7)

The additional handle (7) enables you to achieve better stability whilst using the hammer drill. Do not use the tool without the additional handle. The additional handle (7) is secured to the hammer drill by a clamp. During the handle clockwise tightens this clamp. Turning it anti-clockwise will release the clamp.
- The supplied additional handle (7) must first be fitted. To do this, the clamp must be opened by turning the handle until it is wide enough for the additional handle to be slid over the chuck (1) and on to the hammer drill.
- After you have positioned the additional handle (7), turn it to the most comfortable working position for you.
- Now turn the handle in the opposite direction again until the additional handle is secure.

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- The additional handle (7) is suitable for both left-handed and right-handed users.

5.2 Fitting and adjusting the depth stop (Fig. 4/Item 2)

The depth stop (2) is held in place by the additional handle (7) by clamping. The clamp can be released and tightened by turning the handle.

- Release the clamp and fit the depth stop (2) in the recess provided for it in the additional handle.
- Set the depth stop (2) to the same level as the drill bit.
- Pull the depth stop back by the required drilling depth.
- Turn the handle on the additional handle (7) until it is secure.
- Now drill the hole until the depth stop (2) touches the workpiece.

5.3 Fitting the drill bit (Fig. 5)

- Release the depth stop as described in 5.2 and push it towards the additional handle. This provides free access to the chuck (1).
- This hammer drill is fitted with a keyless chuck (1).
- Open the chuck (1). The drill bit opening must be large enough to fit the drill bit into.
- Select a suitable drill bit. Push the drill bit as far as possible into the chuck opening.
- Close the chuck (1). Check that the drill bit is secure in the chuck (1).

6. Operation

6.1 Charging the LI battery pack (Fig. 6-7)

1. Remove the battery pack (a) from the handle, pressing the pushlock buttons (b) downwards to do so.
2. Check that your mains voltage is the same as that marked on the rating plate of the battery charger. Insert the power plug of the charger (c) into the mains socket outlet. The green LED will then begin to flash.
3. Push the battery pack onto the battery charger.

In section 10 “Charger indicator” you will find a table with an explanation of the LED indicator on the charger.

If the battery pack fails to become charged, please check

- whether there is voltage at the socket-outlet
- whether there is proper contact at the charging contacts on the charger.

If the battery still fails to become charged, please return

- the charger
- the battery pack

to our Customer Service Department.

To ensure that items are properly packaged and delivered when you send them to us, please contact our customer service or the point of sale at which the equipment was purchased.

When shipping or disposing of batteries and cordless tools, always ensure that they are packed individually in plastic bags to prevent short circuits and fires.

To ensure that the battery pack provides long service, you should take care to recharge it promptly. You must recharge the battery pack when you notice that the performance of the device drops. Never allow the battery pack to become fully discharged. This will cause it to develop a defect.

6.2 On/Off switch (Fig. 8/Item 5)

Infinitely variable speed control is possible with the On/Off switch (5). The further you push the switch, the higher the speed of the cordless impact drill.

To switch on:
Press the ON/OFF switch (5)

Continuous operation:
Secure the ON/OFF switch (5) with the locking button (4).

To switch off:
Press the ON/OFF switch (5) briefly.

6.3 Changeover switch (Fig. 8/Item 6)

Using the changeover switch (6) above the On/Off switch (5) you can select the direction of rotation of the cordless impact drill and lock the cordless impact drill so that it cannot be switched on accidentally. You can select between clockwise and counter-clockwise rotation. To avoid causing

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damage to the gearing, the direction of rotation must only be changed when the equipment is at a standstill. When the slide switch is in the middle position, the On/Off switch is blocked.

6.4 Drill / hammer drill selector switch (Fig. 9/Item 3)
Change switch position only when the drill is at a standstill!

Drill
Drill / hammer drill selector switch (3) in the drill position. (Position A)
Use for: Wood, metal, plastic

Hammer drill
Drill / hammer drill selector switch (3) in the hammer drill position. (Position B)
Use for: Concrete, rock, masonry

6.5 Tips for working with your hammer drill

6.5.1 Drilling concrete and masonry
- Switch the Drill/Hammer drill selector switch (3) to position B (Hammer drill).
- Always use carbide drill bits and a high speed setting for drilling into masonry and concrete.

6.5.2 Drilling steel
- Switch the drill / hammer drill selector switch (3) to position A (drill).
- Always use HSS drill bits (HSS = high speed steel) and a low speed setting for drilling steel.
- We recommend that you lubricate the hole with a suitable cutting fluid to prevent unnecessary drill bit wear.

6.5.3 Starting holes
If you wish to drill a deep hole in a hard material (such as steel), we recommend that you start the hole with a smaller drill bit.

6.5.4 Drilling tiles
- To start the hole, switch the drill / hammer drill selector switch (3) to position A (drill).
- Switch the drill / hammer drill selector switch (3) to position B (hammer drill) as soon as the drill bit has passed through the tiles.

6.6 Battery capacity indicator (Fig. 10/ Item d)
Press the button for the battery capacity indicator (e). The battery capacity indicator (d) shows the charge status of the battery using 3 LEDs.

All 3 LEDs are lit:
The battery is fully charged.

2 or 1 LED(s) are lit:
The battery has an adequate remaining charge.

1 LED flashes:
The battery is empty, recharge the battery.

All LEDs blink:
The battery temperature is too high. Remove the battery from the equipment, keep it at room temperature for one day. If the fault reoccurs, this means that the rechargeable battery has undergone exhaustive discharge and is defective. Remove the battery from the equipment. Never use or charge a defective battery.

7. Cleaning, maintenance and ordering of spare parts

Hazard!
Always pull out the battery pack before starting any cleaning work.

7.1 Cleaning
- Keep all safety devices, air vents and the motor housing free of dirt and dust as far as possible. Wipe the equipment with a clean cloth or blow it with compressed air at low pressure.
- We recommend that you clean the device immediately each time you have finished using it.
- Clean the equipment regularly with a moist cloth and some soft soap. Do not use cleaning agents or solvents; these could attack the plastic parts of the equipment. Ensure that no water can seep into the device. The ingress of water into an electric tool increases the risk of an electric shock.

7.2 Maintenance
There are no parts inside the equipment which require additional maintenance.

7.3 Ordering spare parts and accessories
Please provide the following information when ordering spare parts:
- Type of unit
- Article number of the unit
- ID number of the unit
- Spare part number of the required spare part

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For our latest prices and information please go to www.Einhell-Service.com

Tip! For good results we recommend high-quality accessories from kwb ! www.kwb.eu welcome@kwb.eu

8. Disposal and recycling

The equipment is supplied in packaging to prevent it from being damaged in transit. The raw materials in this packaging can be reused or recycled. The equipment and its accessories are made of various types of material, such as metal and plastic. Never place defective equipment in your household refuse. The equipment should be taken to a suitable collection center for proper disposal. If you do not know the whereabouts of such a collection point, you should ask in your local council offices.

9. Storage

Store the equipment and accessories in a dark and dry place at above freezing temperature. The ideal storage temperature is between 5 and 30 °C. Store the electric tool in its original packaging.

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10. Charger indicator

Indicator status		Explanations and actions
Red LED	**Green LED**	
Off	Flashing	**Ready for use** The charger is connected to the mains and is ready for use; there is no battery pack in the charger
On	Off	**Charging** The charger is charging the battery pack in quick charge mode. The charging times are shown directly on the charger. Important! The actual charging times may vary slightly from the stated charging times depending on the existing battery charge.
Off	On	**The battery is charged and ready for use.** The unit then changes over to gentle charging mode until the battery is fully charged. To do this, leave the rechargeable battery on the charger for approx. 15 minutes longer. **Action:** Take the battery pack out of the charger. Disconnect the charger from the mains supply.
Flashing	Off	**Adapted charging** The charger is in gentle charging mode. For safety reasons the charging is performed less quickly and takes more time. The reasons can be: - The rechargeable battery has not been used for a very long time. - The battery temperature is outside the ideal range. **Action:** Wait for the charging to be completed; you can still continue to charge the battery pack.
Flashing	Flashing	**Fault** Charging is no longer possible. The battery pack is defective. **Action:** Never charge a defective battery pack. Take the battery pack out of the charger.
On	On	**Temperature fault** The battery pack is too hot (e.g. due to direct sunshine) or too cold (below 0° C). **Action:** Remove the battery pack and keep it at room temperature (approx. 20° C) for one day .

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For EU countries only

Never place any electric power tools in your household refuse.

To comply with European Directive 2012/19/EC concerning old electric and electronic equipment and its implementation in national laws, old electric power tools have to be separated from other waste and disposed of in an environment-friendly fashion, e.g. by taking to a recycling depot.

Recycling alternative to the return request:
As an alternative to returning the equipment to the manufacturer, the owner of the electrical equipment must make sure that the equipment is properly disposed of if he no longer wants to keep the equipment. The old equipment can be returned to a suitable collection point that will dispose of the equipment in accordance with the national recycling and waste disposal regulations. This does not apply to any accessories or aids without electrical components supplied with the old equipment.

The reprinting or reproduction by any other means, in whole or in part, of documentation and papers accompanying products is permitted only with the express consent of the Einhell Germany AG.

Subject to technical changes

This consignment contains lithium-ion batteries.
In accordance with special provision 188 this consignment is not subject to the ADR regulations. Handle with care. Danger of ignition in case of damage to the consignment package. If the consignment package is damaged: Check and if necessary repackage.
For further information contact: 0049 9951 95920-66. Outside Germany charges will apply instead for a regular call to a landline number in Germany.

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Service information

We have competent service partners in all countries named on the guarantee certificate whose contact details can also be found on the guarantee certificate. These partners will help you with all service requests such as repairs, spare and wearing part orders or the purchase of consumables.

Please note that the following parts of this product are subject to normal or natural wear and that the following parts are therefore also required for use as consumables.

Category	Example
Wear parts*	Drill chuck, Battery
Consumables*	Bit inserts/drill bits
Missing parts	

* Not necessarily included in the scope of delivery!

In the effect of defects or faults, please register the problem on the internet at www.Einhell-Service.com. Please ensure that you provide a precise description of the problem and answer the following questions in all cases:

- Did the equipment work at all or was it defective from the beginning?
- Did you notice anything (symptom or defect) prior to the failure?
- What malfunction does the equipment have in your opinion (main symptom)? Describe this malfunction.

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Warranty certificate

Dear Customer,
All of our products undergo strict quality checks to ensure that they reach you in perfect condition. In the unlikely event that your device develops a fault, please contact our service department at the address shown on this guarantee card. You can also contact us by telephone using the service number shown. Please note the following terms under which guarantee claims can be made:

1. These guarantee terms apply to consumers only, i.e. natural persons intending to use this product neither for their commercial activities nor for any other self-employed activities. These warranty terms regulate additional warranty services, which the manufacturer mentioned below promises to buyers of its new products in addition to their statutory rights of guarantee. Your statutory guarantee claims are not affected by this guarantee. Our guarantee is free of charge to you.
2. The warranty services cover only defects due to material or manufacturing faults on a product which you have bought from the manufacturer mentioned below and are limited to either the rectification of said defects on the product or the replacement of the product, whichever we prefer.
   Please note that our devices are not designed for use in commercial, trade or professional applications. A guarantee contract will not be created if the device has been used by commercial, trade or industrial business or has been exposed to similar stresses during the guarantee period.
3. The following are not covered by our guarantee:
   - Damage to the device caused by a failure to follow the assembly instructions or due to incorrect installation, a failure to follow the operating instructions (for example connecting it to an incorrect mains voltage or current type) or a failure to follow the maintenance and safety instructions or by exposing the device to abnormal environmental conditions or by lack of care and maintenance.
   - Damage to the device caused by abuse or incorrect use (for example overloading the device or the use or unapproved tools or accessories), ingress of foreign bodies into the device (such as sand, stones or dust, transport damage), the use of force or damage caused by external forces (for example by dropping it).
   - Damage to the device or parts of the device caused by normal or natural wear or tear or by normal use of the device.
4. The guarantee is valid for a period of 24 months starting from the purchase date of the device. Guarantee claims should be submitted before the end of the guarantee period within two weeks of the defect being noticed. No guarantee claims will be accepted after the end of the guarantee period. The original guarantee period remains applicable to the device even if repairs are carried out or parts are replaced. In such cases, the work performed or parts fitted will not result in an extension of the guarantee period, and no new guarantee will become active for the work performed or parts fitted. This also applies if an on-site service is used.
5. To make a claim under the guarantee, please register the defective device at:
   www.Einhell-Service.com. Please keep your bill of purchase or other proof of purchase for the new device. Devices that are returned without proof of purchase or without a rating plate shall not be covered by the guarantee, because appropriate identification will not be possible. If the defect is covered by our guarantee, then the item in question will either be repaired immediately and returned to you or we will send you a new replacement.

Of course, we are also happy offer a chargeable repair service for any defects which are not covered by the scope of this guarantee or for units which are no longer covered. To take advantage of this service, please send the device to our service address.

Also refer to the restrictions of this warranty concerning wear parts, consumables and missing parts as set out in the service information in these operating instructions.

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