TE-BS 850 E

D **Originalbetriebsanleitung**
Bandschleifer

GB **Original operating instructions**
Belt Sander

F **Instructions d'origine**
Ponceuse à ruban

I **Istruzioni per l'uso originali**
Levigatrice a nastro

DK/N **Original betjeningsvejledning**
Båndpudser

S **Original-bruksanvisning**
Bandslip

CZ **Originální návod k obsluze**
Pásová bruska

SK **Originálny návod na obsluhu**
Pásová brúska

NL **Originele handleiding**
Bandschuurmachine

E **Manual de instrucciones original**
Lijadora de banda

FIN **Alkuperäiskäyttöohje**
Nauhahiomakone

SLO **Originalna navodila za uporabo**
Tračni brusilnik

H **Eredeti használati utasítás**
Szalagköszörűgép

RO **Instrucțiuni de utilizare originale**
Polizor de banc cu bandă

GR **Πρωτότυπες Οδηγίες χρήσης**
Ταινιολειαντήρας

P **Manual de instruções original**
Lixadora de rolos

HR/BIH **Originalne upute za uporabu**
Tračna brusilica

RS **Originalna uputstva za upotrebu**
Trakasta brusilica

TR **Orijinal Kullanma Talimatı**
Tank Zımpara

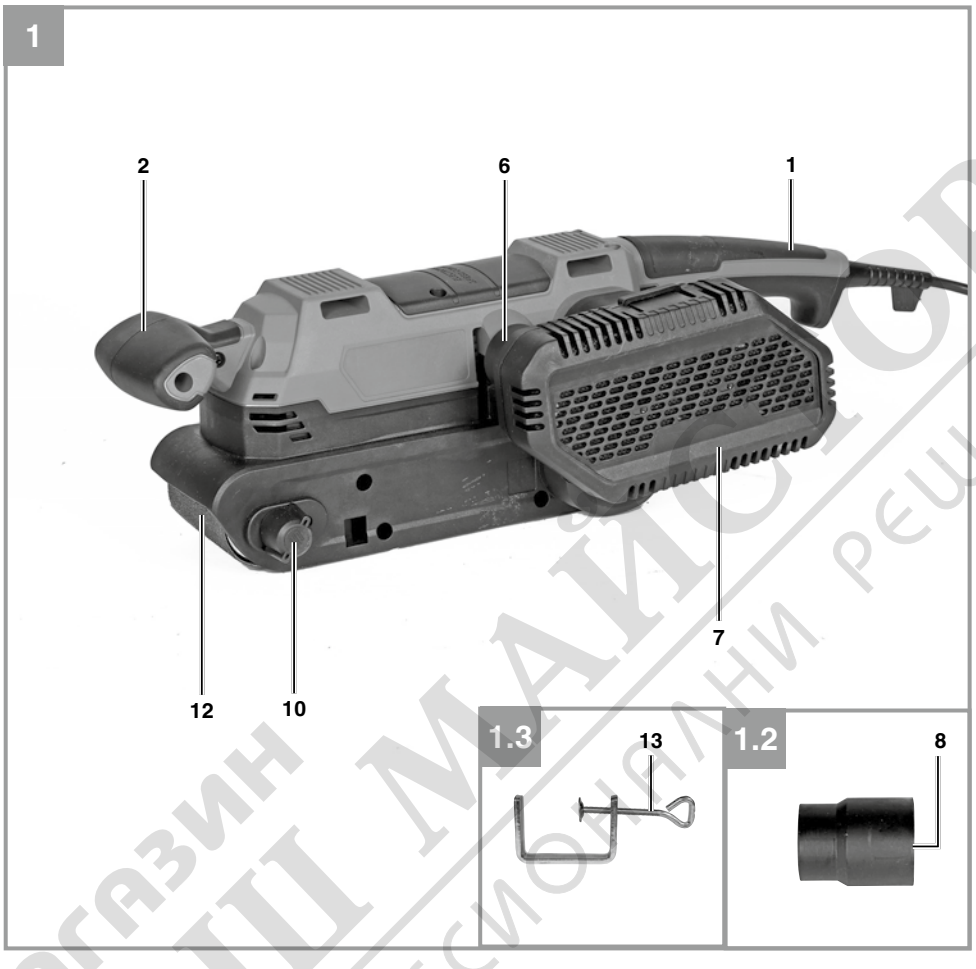
EE **Originaalkasutusjuhend**
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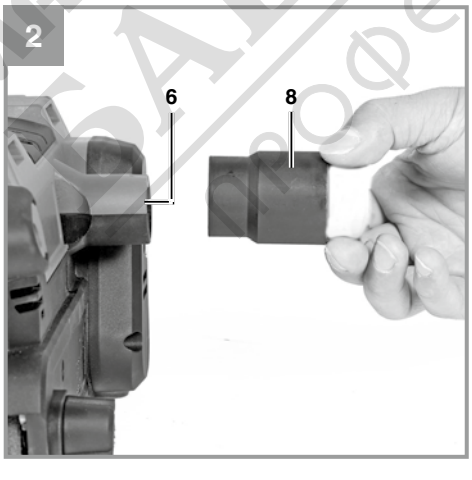
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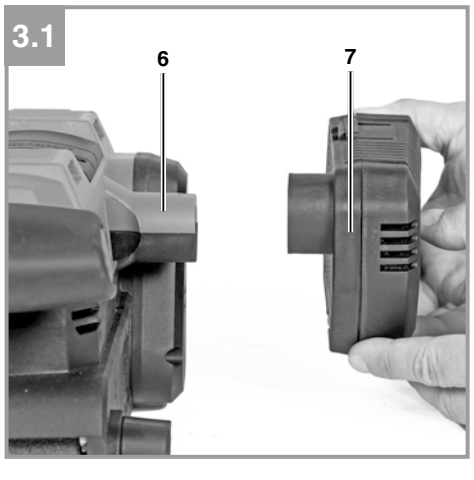
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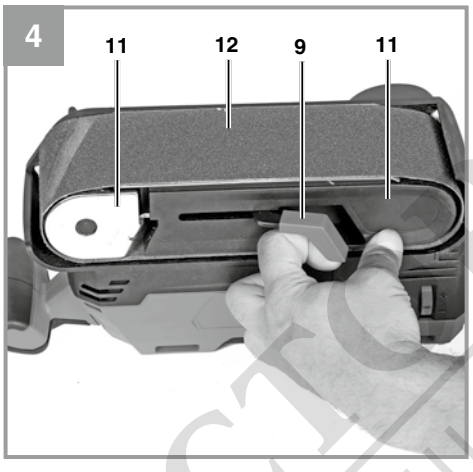


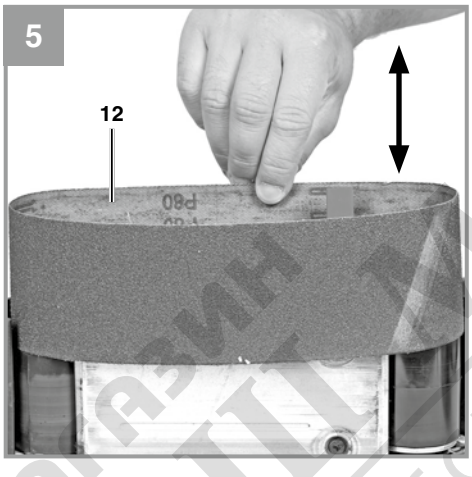


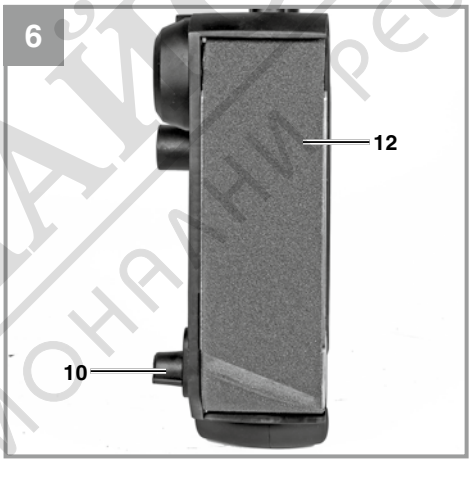
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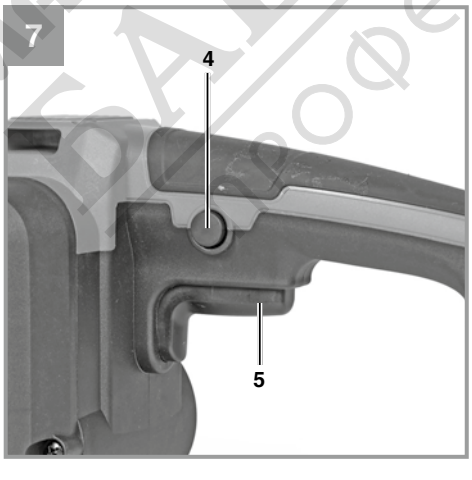
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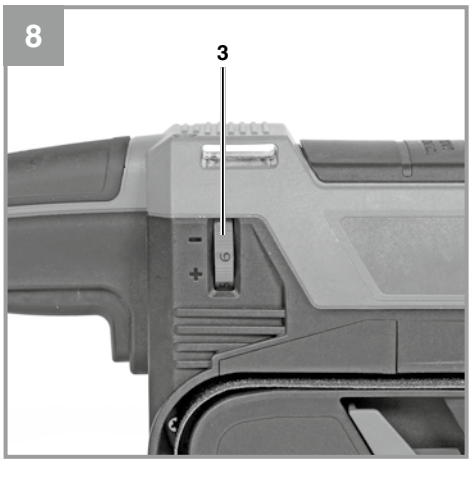








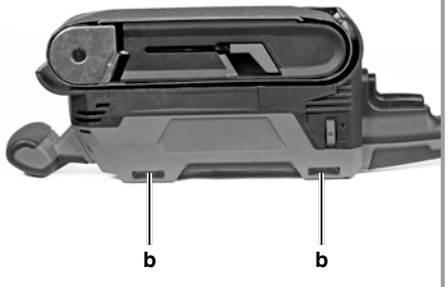




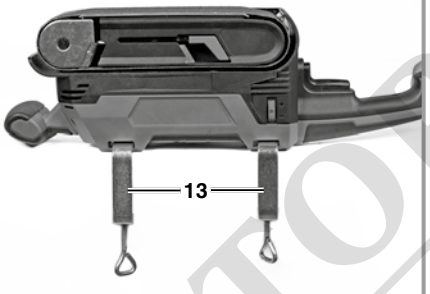
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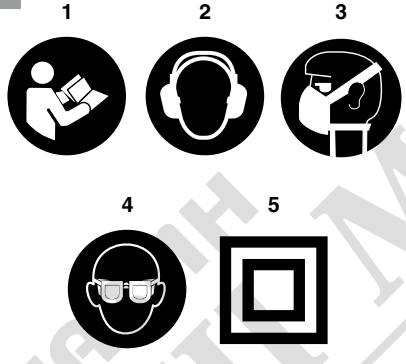
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Danger!
When using the equipment, a few safety precautions must be observed to avoid injuries and damage. Please read the complete operating instructions and safety regulations with due care. Keep this manual in a safe place, so that the information 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. Protection class II (double-insulated)

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. 1/2)
1. Handle
2. Additional handle
3. Setting wheel for belt speed
4. Locking button
5. On/Off switch
6. Connection for the dust collection box
7. Dust collection box
8. Dust extraction adapter
9. Clamping lever for grinding/sanding belt
10. Setting screw for adjusting the grinding/sanding belt
11. Drive rollers
12. Grinding/sanding belt
13. Clamps

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!

- Cordless belt grinder/sander
- 2x Clamps
- Dust collection box
- Dust extraction adapter 35 mm
- Original operating instructions
- Safety instructions

3. Proper use

The belt sander/grinder is designed for sanding/grinding wood, iron, plastic and similar materials using the appropriate sanding/grinding belt.

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.

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

4. Technical data

Mains voltage: ..... 220-240 V ~ 50 Hz
Power input: ..... 850 W
Belt speed: ..... 240-400 m/min
Sanding/Grinding belt size: .....75 x 533 mm
Protection class: ..... II/⧈
Weight: .....3.7 kg

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

L_{pA} sound pressure level ..... 90.4 dB(A)
K_{pA} uncertainty ..... 3 dB
L_{WA} sound power level ..... 98.4 dB(A)
K_{WA} uncertainty ..... 3 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.

Handle
Vibration emission value a_h = 3.006 m/s²
K uncertainty = 1.5 m/s²

Additional handle
Vibration emission value a_h = 5.887 m/s²
K uncertainty = 1.5 m/s²

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.

Limit the operating time.
All stages of the operating cycle must be considered (for example, times in which the electric tools are switched off and times in which the tool is switched on but operates without load).

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 pull the power plug before making adjustments to the equipment.

5.1 Dust extraction

5.1.1 Installing the dust extractor adapter (Figure 2/Item 8)
Push the dust extractor adapter (8) onto the connection for dust extraction (6).

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You can then connect a suitable dust extractor (a) to the dust extractor adapter (8) (dust extractor not supplied).
This will provide excellent dust extraction on the workpiece.
Check that all the parts are properly connected.

Important. The vacuum cleaner you use for the extraction work must be suitable for the workpiece material.

5.1.2 Fitting the dust collection box (Fig. 3/Item 7)
Slide the dust collection box (7) onto the connection for the dust extraction box (6). To remove the dust collection box, proceed in reverse order.

The dust is transferred straight from the grinding/sanding belt into the dust collection box.

To empty the dust collection box (7), open it with the two clips (a). The top part of the dust collection box (7) can now be removed. Then clean the dust collection box (7) thoroughly and place the top part back in position. As you do so, make sure that the top part is fully inserted all around and is locked into position with the two clips (a) .
The dust collection box (7) can now be refitted.

Important!
For health reasons it is imperative that you use the dust collection box or a dust extraction system via the dust extractor adapter!

5.2 Changing the grinding/sanding belt (Fig. 4-5/Item 12)
- Pull the clamping lever (9) outwards in order to release the tension from the grinding/sanding belt.
- Pull the worn grinding/sanding belt off the drive rollers (11).
- Push the new grinding/sanding belt onto the drive rollers.
- Make sure that the running direction of the grinding/sanding belt (see arrow on the inside of the grinding/sanding belt) is the same as the running direction of the cordless belt grinder/sander.
- Press the clamping lever (9) to the rear in order to tension the grinding/sanding belt.

5.3 Adjusting the position of the belt (Fig. 6/Item 10)
- Hold the belt sander/grinder with the sanding/grinding plate at the top.
- Switch on the belt sander/grinder.
- By turning the setting screw (10) the belt position should be set so that the sanding/grinding belt is at the center of the two drive rollers.

6. Starting up

6.1 Switching ON/OFF (Fig. 7)

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

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

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

The machine can be operated on a temporary or permanent setting.

6.2 Setting the belt speed (Fig. 8/Item 3)
You can select the belt speed by turning the setting knob (3).

PLUS direction:
Increase belt speed

MINUS direction:
Reduce belt speed

6.3 Stationary use (Fig. 9-10)
You can use the belt grinder/sander in stationary mode.
To do so, use the two clamps (13) to fasten the belt grinder/sander on a strong and level worktop or similar. The two fastening points (b) must be used for this purpose.

6.4 Instructions for use
Warning! Never hold the workpiece you wish to sand/grind in your hands. Secure the workpiece on a sturdy surface or using a vise.
- Allow the belt sander/grinder to start before you place it on the workpiece.
- Do not switch off the belt sander/grinder as long as the sanding/grinding belt is in contact with the workpiece.
- Always hold the belt sander/grinder with both hands whilst it is in use.
- Always sand wood in the direction of the grain.

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7. Replacing the power cable

Danger!
If the power cable for this equipment is damaged, it must be replaced by the manufacturer or its after-sales service or similarly trained personnel to avoid danger.

8. Cleaning, maintenance and ordering of spare parts

Danger!
Always pull out the mains power plug before starting any cleaning work.

8.1 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.

8.2 Carbon brushes

In case of excessive sparking, have the carbon brushes checked only by a qualified electrician.
Danger! The carbon brushes should not be rep laced by anyone but a qualified electrician.

8.3 Maintenance

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

8.4 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

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

9. 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.

10. 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.ckaging.

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Disposal



Power tools, rechargeable batteries, accessories and packaging should be sorted for environmental-friendly recycling.
Do not dispose of power tools and batteries/rechargeable batteries into household waste!

Only for EU countries:
According to the Directive 2012/19/EU on waste electrical and electronic equipment and its transposition into national law, power tools that are no longer usable, and, according to the Directive 2006/66/EC, defective or drained batteries must be collected separately and disposed of in an environmentally correct manner.
If disposed incorrectly, waste electrical and electronic equipment may have harmful effects on the environment and human health, due to the potential presence of hazardous substances.

Only for United Kingdom:
According to The Waste Electrical and Electronic Equipment Regulations 2013 (SI 2013/3113) (as amended) and the Waste Batteries and Accumulators Regulations 2009 (SI 2009/890) (as amended), products that are no longer usable must be collected separately and disposed of in an environmentally friendly manner.

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Subject to technical changes

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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*	V-belt, Carbon brushes
Consumables*	Grinding/sanding paper
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 this equipment 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 solely to consumers, i.e. natural persons, who do not want to use this product in connection with either their commercial or other self-employed activities. These guarantee terms regulate additional guarantee services which the undermentioned manufacturer promises to buyers of its new products in addition to their statutory rights of guarantee. Your statutory rights of guarantee are not affected by this guarantee. Our guarantee is free of charge to you.
2. The guarantee services cover only defects due to material or manufacturing faults on the new product which you have bought in the European Union from the undermentioned manufacturer and are limited to either the rectification of said defects or the replacement of the product, whichever we prefer. Please note that only equipment under the brand name “Professional” has been designed for use in commercial, trade or professional applications. For all other products the guarantee is invalidated if the equipment is used within the guarantee period in commercial, trade or industrial applications or for other equivalent activities.
3. Our guarantee does not cover:
   - Damage to the equipment caused by failure to comply with the installation/assembly instructions or by unprofessional installation; damage caused by failure to comply with the operating instructions (e.g. connection to the wrong mains voltage or current type); damage caused by failure to comply with the maintenance and safety regulations; damage caused by exposing the equipment to abnormal environmental conditions; damage resulting from poor care and maintenance.
   - Damage to the equipment caused by misuse or incorrect applications (e.g. overloading the equipment or using non-approved attachments or accessories); damage caused by foreign bodies (e.g. sand, stones, dust, ….) getting inside the equipment. Damage in transit; damage caused by force or external influences (e.g. by dropping the equipment).
   - Damage to the equipment or parts of the equipment which is owed to use-related, normal or otherwise natural wear. For example, batteries and battery packs are manufactured with a cycle limit for design-related reasons. Wear is negatively influenced in particular by load demands and charging speeds as well as exposure to heat, cold, vibration and impact.
4. The guarantee is valid for a period of 2 years starting from the purchase date of the equipment. Guarantee claims must be submitted before the end of the guarantee period and 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 equipment 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 for any replacement parts fitted. This also applies if on-site service is used.
5. To assert your guarantee claim, register the defective equipment at: www.Einhell-Service.com. You will need to provide proof of purchase of the new item of equipment. Equipment returned without such proof or without a rating plate are excluded from the guarantee services because of the lack of traceability. If the defect is covered by our guarantee, then either the item in question will be repaired immediately and returned to you or we will send you a new replacement.
6. If you have taken the equipment with you to a different EU country than where you bought it, we will arrange for a local service partner to provide the guarantee services. If you take the equipment outside the EU, the guarantee will not apply.

Of course, we are also happy to offer a chargeable repair service for any defects which are not covered or no longer covered by the scope of this guarantee. To take advantage of this service, please send the equipment to our service address. We draw attention to the restrictions of this guarantee concerning wear parts, consumables and missing parts as presented in the service information included in this operating manual.

Warrantor/ Service:
Einhell UK Ltd, Unit 10, 1st Floor, Champion‘s Business Park, Arrowe Brook Road, Upton, Wirral, CH49 0UQ

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