

Einhell AXXIO 18 Cordless Angle Grinder



# Einhell AXXIO18 Cordless Angle Grinder Instruction Manual

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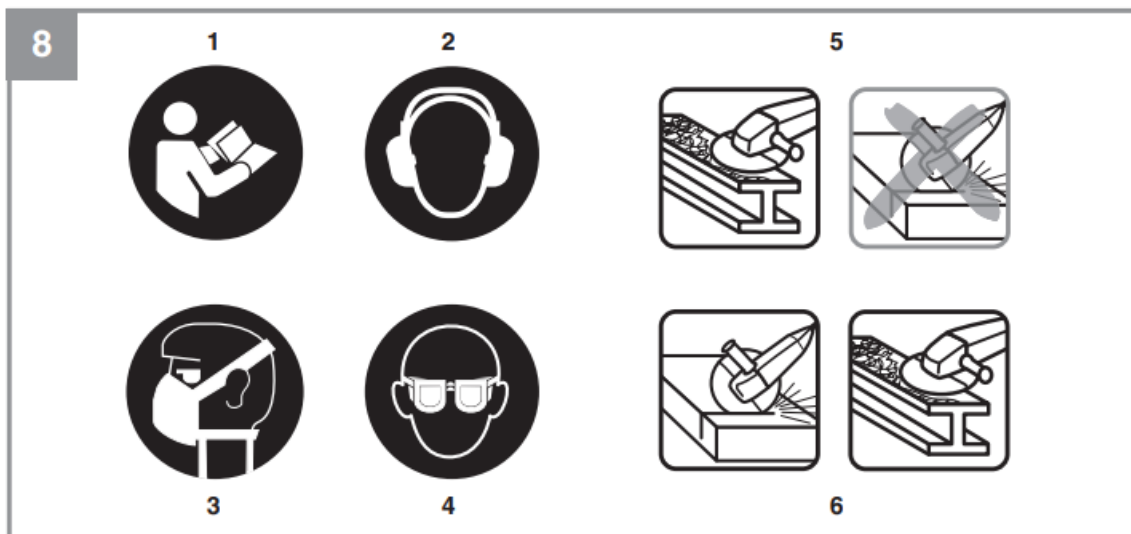
**Einhell AXXIO18 Cordless Angle Grinder**



### **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 that arise due to a failure to follow these instructions and the safety instructions.

### **Explanation of the symbols used (see Fig. 8)**



1. **Danger!** – Read the operating instructions to reduce the risk of injury.
2. **Caution!** Wear ear-muffs. The impact of noise can cause hearing damage.
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. This safety guard is designed for sanding/ grinding.
6. This safety guard is designed for cutting and grinding/sanding. (it is not included in delivery)

### **Safety regulations**

The corresponding safety information can be found in the enclosed booklet.

### **Danger!**

Read all safety regulations and instructions. Any errors made in following the safety regulations and instructions may result in an electric shock, fire and/or serious injury. Keep all safety regulations and instructions in a safe place for future use.

### **Layout and items supplied**

#### **Layout (Fig. 1)**



1. Spindle lock
2. ON/OFF switch
3. Additional handle
4. Guard
5. Quick-clamp nut

### **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!

- Angle grinder
- Additional handle
- Quick-clamp nut
- Original operating instructions
- Safety instructions

### **Proper use**

The angle grinder is designed for grinding metal and stone when using the appropriate grinding wheel and guard.

**Warning!** To cut metal and stone the grinder/sander may only be used when the guard (available as an accessory) is mounted. 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 machine is used in commercial, trade or industrial businesses or for equivalent purposes.

### **Technical data**

- **Motor power supply:** ..... 18 V DC
- **Rated speed:** .....8500 min-1
- **Max. wheel diameter:** ..... 125 mm
- **Grinding wheels:** ..... 125 x 22 mm
- **Cutting wheel:** ..... 125 x 22 mm
- **Mounting spindle thread:** ..... M14
- **Weight:** .....1.6 kg

### **Danger! Sound and vibration**

Sound and vibration values were measured by EN 60745.

- LpA sound pressure level ..... 85.1 dB(A)
- KpA uncertainty .....3 dB
- LWA sound power level ..... 96.1 dB(A)
- KWA uncertainty .....3 dB

### **Wear earmuffs.**

The impact of noise can cause hearing damage. Total vibration values (vector sum of three directions) determined following EN 60745.

## **Handle**

- Vibration emission value  $a_{hAG} = 6.831 \text{ m/s}^2$
- K uncertainty =  $1.5 \text{ m/s}^2$

## **Additional handle**

- Vibration emission value  $a_{hAG} = 4.441 \text{ m/s}^2$
- K uncertainty =  $1.5 \text{ m/s}^2$

The specified vibration value was established per a standardized testing method. It may change according to how the electric equipment is used and may exceed the specified value in exceptional circumstances. The specified vibration value can be used to compare the equipment with other electric power tools. The specified vibration value can be used for the initial assessment of a harmful effect.

## **Keep the noise emissions and vibrations to a minimum .**

- Only use appliances that 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.
- Wear protective gloves.

## **Caution!**

Residual risks Even if you use this electric power tool by instructions, certain residual risks cannot be ruled out. The following hazards may arise in connection with the equipment's construction and layout:

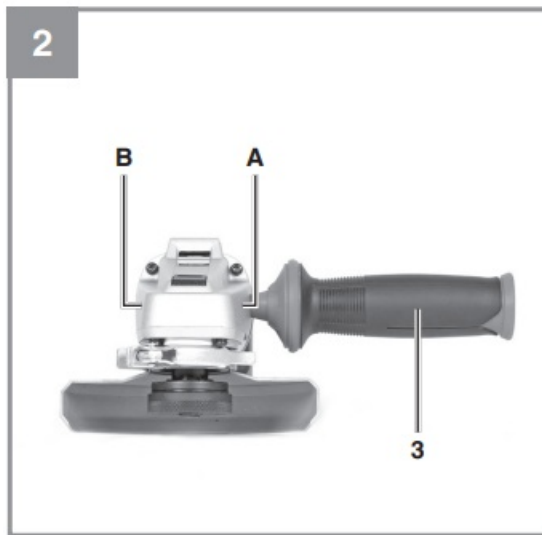
1. Lung damage if no suitable protective dust mask is used.
2. Damage to hearing if no suitable ear protection is used.
3. Health damage is caused by hand-arm vibrations if the equipment is used over a prolonged period or is not properly guided and maintained.

## **Before starting the equipment**

### **Warning!**

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

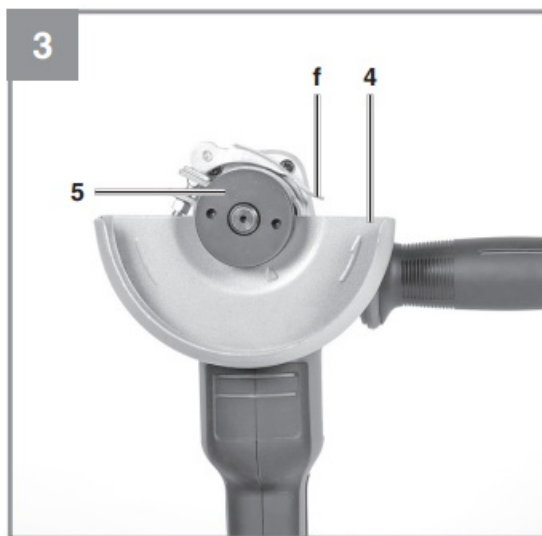
## **Fitting the additional handle (Fig. 2)**



- The angle grinder must not be used without the additional handle (3).
- The additional handle can be secured in any of two positions (A, B).

Tool side	Suitable for
Left (position A / as shown)	Right-handed users
Right (position B)	Left-handed users

Replacing and adjusting the guard (Fig. 3) Replacing:



- Remove the quick-clamp nut (5) and the clamping flange underneath.
- Open the clamp lever (f) on the guard (4).
- Turn the guard (4) through 180° in a clockwise direction so that the guard points upwards.
- Remove the guard (4).

To mount, proceed in the reverse order.

#### Adjusting:

- Adjust the guard (4) to protect your hands so that the material being ground is directed away from your body.

- The position of the guard (4) can be adjusted to any specific working conditions. Undo the clamp handle (f) and turn the cover (4) into the required position.
- Ensure that the guard (4) correctly covers the gear wheel casing.
- Secure the clamp handle (f) again.
- Ensure that the guard (4) is secure.

### **Warning!**

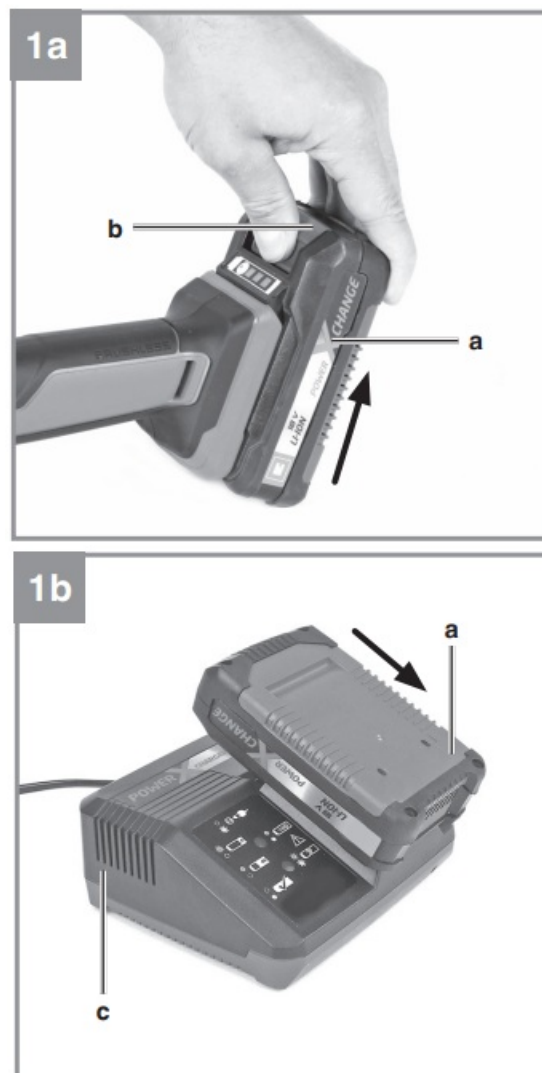
Make sure that the guard is perfectly secure.

### **Warning!**

Never use the angle grinder without the guard.

## **Operation**

### **Charging the Li battery pack (Fig. 1a-1b)**



1. Remove the battery pack (a) from the handle, pressing the pushlock button (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.

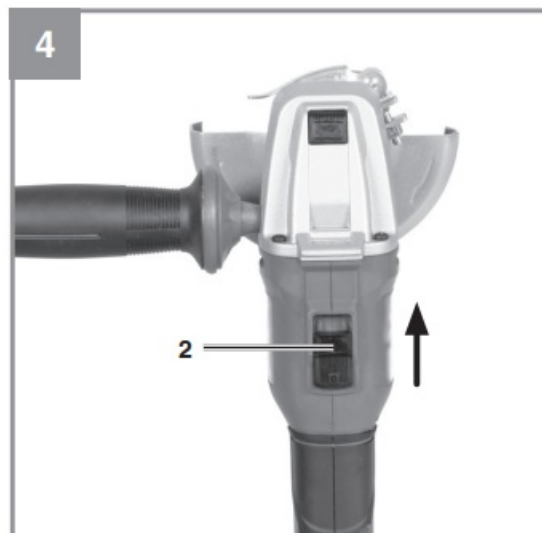
If the battery pack fails to charge, check for the following:

- voltage at the power socket
- whether there is good contact at the charging contacts of the charging unit If the battery pack still fails to charge, send
- the charger and charging adapter
- and the battery pack to our customer service centre.

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.

#### **Switching on (Fig. 4)**



To start the equipment, push the On/Off switch (2) forwards and press it down. To switch off the angle grinder, depress the On/Off switch (2) at the back. The On/Off switch (2) will jump back into its starting position.

#### **Important!**

The equipment switches to “Standby Mode” after 10 minutes of non-use. To reactivate: Switch on the equipment twice or press the battery capacity indicator. “Standby Mode” protects the battery.

#### **Important!**

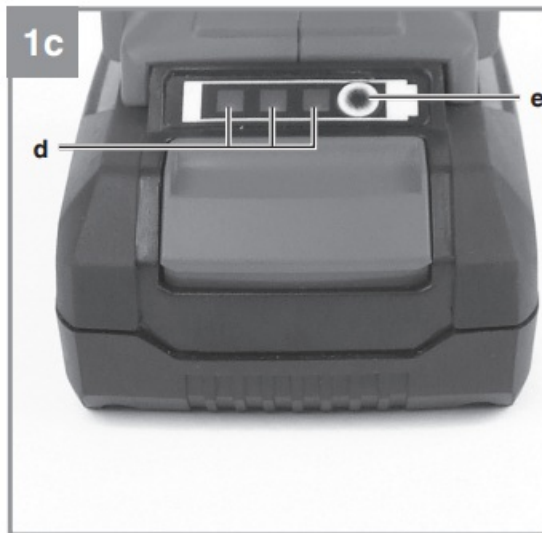
Following a stoppage (due to overloading), the cordless equipment starts up again automatically.

#### **Important!**

Wait until the machine has reached its top speed. You can then position the angle grinder on the workpiece and machine it.

#### **Battery capacity indicator (Fig. 1d/Item c)**





Press the battery capacity indicator switch (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.

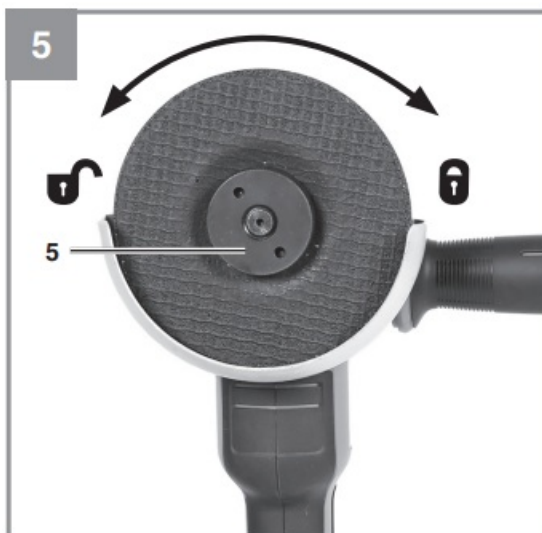
**2 or 1 LED(s) are lit:** The battery has an adequate remaining charge.

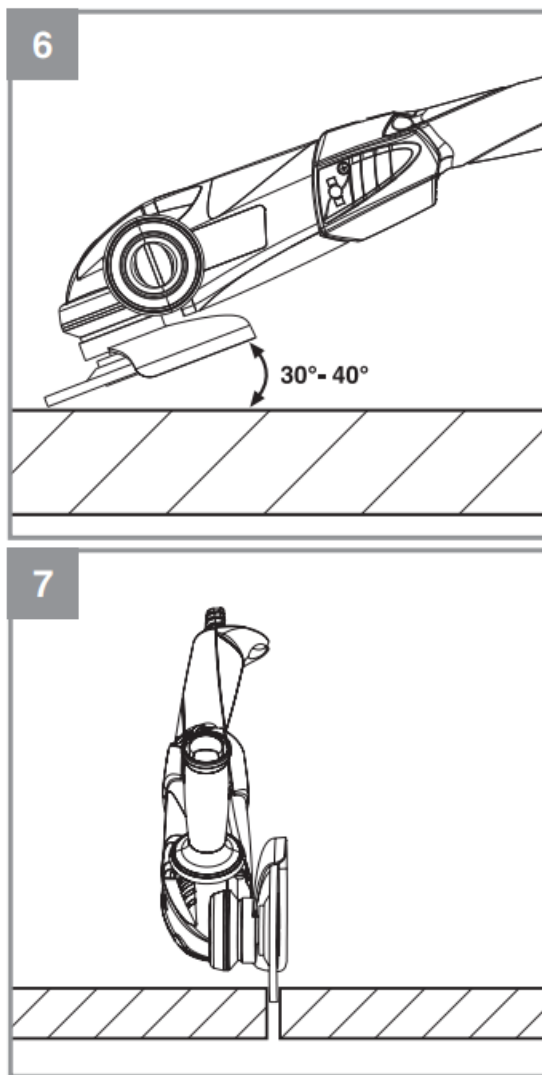
**1 LED blinks:** The battery is empty, recharge the battery.

#### **All LEDs blink**

The battery temperature is too low. 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.

#### **Changing the grinding wheels (Fig. 5)**





- The wheel is easy to change using the spindle lock and quick-clamp nut.
- Press the spindle lock and allow the grinding wheel to engage.
- Undo the quick-clamp nut by turning it counterclockwise by hand (see Fig. 5).
- Change the grinding wheel or cutting wheel and tighten the quick-clamp nut by turning it clockwise by hand.

### **Warning!**

For safety reasons, the quick-clamp nut (5) may only be used for this angle grinder.

### **Notice!**

Only ever press the spindle lock when the motor and grinding spindle are at a standstill! You must keep the spindle lock pressed while you change the wheel!

### **Test run for new grinding Wheels**

Allow the right-angle grinder to run idle for at least 1 minute with the grinding or cutting wheel fitted in place. The vibrating wheels are to be replaced immediately.

### **Grinding Wheels**

- Never use a grinding or cutting wheel bigger than the specified diameter.
- Before using a grinding or cutting wheel, check its rated speed.
- The maximum speed of the grinding or cutting wheel used must be higher than the idle speed of the angle grinder.

- Use only grinding and cutting wheels that are approved for a minimum speed of 8,500 rpm and a peripheral speed of 52 m/sec.
- Check the direction of rotation when you use diamond cutting wheels. The directional arrow on the diamond cutting wheel must point in the direction in which the tool rotates.

**Warning!**

Take special care that the grinding/sanding wheels are properly stored and transported. Ensure that the grinding/sanding wheels are never exposed to shock, jolts or sharp edges (for example during transport or storage in a toolbox). This could cause damage (such as cracks) to the grinding/sanding wheels and place the user in serious danger.

**Warning!****Operating Modes****Rough grinding (Fig. 11)**

**Caution:** Use the safety device for sanding/grinding For the best rough grinding results, hold the grinding wheel at an angle of between 30° and 40° to the workpiece surface and guide back and forth over the workpiece in steady movements.

**Cutting (Fig. 12)**

**Caution:** Use the safety device for abrasive cutting (Available as an accessory, see 7.3). When you use the right-angle grinder for cutting purposes, avoid tilting it in the cutting plane. The cutting wheel must have a clean cutting edge. A diamond cutting wheel is best used to cut hard stones.

**Warning!**

It is prohibited to use the machine on asbestos materials!

**Warning!**

Never use a cutting wheel for rough grinding.

**Note**

To increase the power and running time of the cordless equipment, we recommend using our 4.0 Ah Power-X-Change. (Art. No.: 45.113.96)

**Important!**

To increase the cutting performance and running time of the cordless equipment, we recommend that you use a cutting wheel with a thickness of 1 mm.

**Motor**

The motor needs to be well-ventilated during operation. Be sure, therefore, to keep the ventilation holes clean at all times.

**Cleaning, maintenance and ordering of spare parts****Danger!**

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

**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.

## Maintenance

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

## Ordering replacement parts:

Please quote the following data when ordering replacement parts:

- Type of machine
- Article number of the machine
- Identification number of the machine
- Replacement part number of the part required For our latest prices and information please go to [www.Einhell-Service.com](http://www.Einhell-Service.com) Safety guard for cutting (Art. No.: 44.500.53)

## 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 centre for proper disposal. If you do not know the whereabouts of such a collection point, you should ask your local council offices.

## 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.

## Charger indicator

Indicator status		Explanations and actions
Red LED	Green LED	
Off	Flashing	<b>Ready for use</b>  The charger is connected to the mains and is ready for use; there is no battery pack in the charger

On	Off	<p><b>Charging</b></p> <p>The charger is charging the battery pack in quick charge mode. The charging times are shown directly on the charger.</p> <p>Important! The actual charging times may vary slightly from the stated charging times depending on the existing battery charge.</p>
Off	On	<p><b>The battery is charged and ready for use. (READY TO GO)</b></p> <p>The unit then changes over to gentle charging mode until the battery is fully charged.</p> <p>To do this, leave the rechargeable battery on the charger for approx. 15 minutes longer.</p> <p><b>Action:</b></p> <p>Take the battery pack out of the charger. Disconnect the charger from the mains supply.</p>
Flashing	Off	<p><b>Adapted charging</b></p> <p>The charger is in gentle charging mode.</p> <p>For safety reasons, the charging is performed less quickly and takes more time. The reasons can be:</p> <ul style="list-style-type: none"> <li>– The rechargeable battery has not been used for a very long time.</li> <li>– The battery temperature is outside the ideal range.</li> </ul> <p><b>Action:</b></p> <p>Wait for the charging to be completed; you can continue to charge the battery pack.</p>
Flashing	Flashing	<p><b>Fault</b></p> <p>Charging is no longer possible. The battery pack is defective.</p> <p><b>Action:</b></p> <p>Never charge a defective battery pack. Take the battery pack out of the charger.</p>
On	On	<p><b>Temperature fault</b></p> <p>The battery pack is too hot (e.g. due to direct sunshine) or too cold (below 0° C).</p> <p><b>Action:</b></p> <p>Remove the battery pack and keep it at room temperature (approx. 20° C) for one day.</p>

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 under the national recycling and waste disposal regulations. This does not apply to any accessories or aids without electrical components supplied with the old equipment. Please note that batteries and lamps (e.g. light bulbs) must be removed from the tool before it is disposed of. 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 Einhell Germany AG. Subject to technical changes

## **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*	Carbon brushes, Battery
Consumables*	Cutting wheels, grinding wheels
Missing parts	

Not necessarily included in the scope of delivery!

In the event of defects or faults, please register the problem on the internet at [www.Einhell-Service.com](http://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) before the failure?
- What malfunction does the equipment have in your opinion (main symptom)? Describe this malfunction.

## **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 that 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 of 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 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 claim the guarantee, please register the defective device at: [www.Einhell-Service.com](http://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 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 to offer a chargeable repair service for any defects which are not covered by the scope of this guarantee or for units that 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 worn parts, consumables and missing parts as set out in the service information in these operating instructions.

Declaration of conformity: We declare conformity in accordance with the EU directive and standards for article

**Akku-Winkelschleifer\* AXXIO 18/125 Q (Einhell)**

- 2014/29/EU
- 2005/32/EC\_2009/125/EC
- (EU)2015/1188
- 2014/35/EU
- 2006/28/EC
- X 2014/30/EU
- 2014/32/EU
- 2014/53/EU
- 2014/68/EU

- (EU)2016/426
- Notified Body:
- (EU)2016/425
- X 2011/65/EU\_(EU)2015/863
- X 2006/42/EC
- Annex IV
- Notified Body:
- Reg. No.:
- 2000/14/EC\_2005/88/EC
- Annex V
- Annex VI
- Noise: measured LWA = dB (A); guaranteed LWA = dB (A)
- P = kW; L/Ø = cm
- Notified Body: 2012/46/EU\_(EU)2016/1628
- Emission No.:

**Standard references:** EN 60745-2; EN 60745-2-3; EN 55014-1; EN 55014-2

## **Declaration of conformity**

### **We, Einhell UK Ltd**

Champions Business Park, First Floor Unit 10, Arrowe Brook Rd, Upton, Wirral CH49 0AB, United Kingdom  
declare the conformity to UK standards and legislation was assessed for:

### **Cordless Angle Grinder AXXIO 18/125 Q (Einhell)**

UK legislation

- Simple Pressure Vessels (Safety) Regulation
- Electrical Equipment (Safety) Regulation
- Radio Equipment Regulation
- Electromagnetic Compatibility Regulation
- Measuring Instruments Regulation
- Pressure Equipment (Safety) Regulation
- Personal Protective Equipment Regulation
- The Ecodesign for Energy-Related Products and Energy Information Regulation
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulation
- Noise Emission in the Environment by Equipment for Use Outdoors Regulation
  - Annex V
  - Annex VI
  - Noise: measured LWA = dB (A); guaranteed LWA = dB (A) P = kW; L/Ø = cm
  - UK Approved Body:
- Supply of Machinery (Safety) Regulation
  - Annex IV
  - UK Approved Body:




- UKTE Certificate No.:

**Standards:** BS EN 60745-2; BS EN 60745-2-3; BS EN 55014-1; BS EN 55014-2

- **Article Number:** 44.311.51 I.-No.: 21032 Subject to change without notice
  - **Archive-File/Record:** NAPR027565
  - **Documents registrar:** Georg Riedel Wiesenweg 22, 94405 Landau/Isar, Germany
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## Documents / Resources

	<p><a href="#">Einhell AXXIO18 Cordless Angle Grinder</a> [pdf] Instruction Manual AXXIO18 Cordless Angle Grinder, AXXIO18, Cordless Angle Grinder, Angle Grinder, Grinder</p>
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## References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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