

HILTI

TE 30-A36

English



1 Information about the documentation

1.1 About this documentation

- Read this documentation before initial operation or use. This is a prerequisite for safe, trouble-free handling and use of the product.
- Observe the safety instructions and warnings in this documentation and on the product.
- Always keep the operating instructions with the product and make sure that the operating instructions are with the product when it is given to other persons.

1.2 Explanation of symbols used

1.2.1 Warnings

Warnings alert persons to hazards that may occur when handling or using the product. The following signal words are used in combination with a symbol:

	DANGER! Draws attention to an imminent hazard that will lead to serious personal injury or fatality.
	WARNING! Draws attention to a potential hazard that could lead to serious personal injury or fatality.
	CAUTION! Draws attention to a potentially dangerous situation that could lead to minor personal injury or material damage.

1.2.2 Symbols in the documentation

The following symbols are used in this document:

	Read the operating instructions before use
	Instructions for use and other useful information

1.2.3 Symbols in the illustrations

The following symbols are used in illustrations:

	These numbers refer to the corresponding illustrations found at the beginning of these operating instructions.
3	The numbering reflects the sequence of operations shown in the illustrations and may deviate from the steps described in the text.
	Item reference numbers are used in the overview illustration and refer to the numbers used in the key in the product overview section.
	This symbol is intended to draw special attention to certain points when handling the product.

1.3 Product-dependent symbols

1.3.1 Symbols on the product

The following symbols are used on the product:

	Drilling without hammering action
	Drilling with hammering action (hammer drilling)
	Chiseling
	Chisel positioning
	Forward / reverse
	Diameter
n_0	Rated speed under no load

/min	Revolutions per minute
------	------------------------

1.4 Product information

Hilti products are designed for professional use and may be operated, serviced and maintained only by trained, authorized personnel. This personnel must be informed of any particular hazards that may be encountered. The product and its ancillary equipment can present hazards if used incorrectly by untrained personnel or if used not in accordance with the intended use.

The type designation and serial number are stated on the rating plate.

- ▶ Write down the serial number in the table below. You will be required to state the product details when contacting Hilti Service or your local Hilti organization to inquire about the product.

Product information

Combihammer	TE 30-A36
Generation	03
Serial no.	

1.5 Declaration of conformity

We declare, on our sole responsibility, that the product described here complies with the applicable directives and standards. A copy of the declaration of conformity can be found at the end of this documentation.

The technical documentation is filed and stored here:

Hilti Entwicklungsgesellschaft mbH | Tool Certification | Hiltistrasse 6 | 86916 Kaufering, Germany

2 Safety

2.1 General power tool safety warnings

WARNING

Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

Work area safety

- ▶ **Keep 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.** Power tools create sparks which may ignite the dust or fumes.
- ▶ **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

Electrical safety

- ▶ **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- ▶ **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- ▶ **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- ▶ **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- ▶ **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- ▶ **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

Personal safety

- ▶ **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.

- ▶ **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- ▶ **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- ▶ **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- ▶ **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- ▶ **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- ▶ **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

Power tool use and care

- ▶ Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- ▶ **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- ▶ **Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- ▶ **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- ▶ **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- ▶ **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- ▶ **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

Battery tool use and care

- ▶ **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- ▶ **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- ▶ **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.
- ▶ **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.

Service

- ▶ **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

2.2 Hammer safety warnings

- ▶ **Wear ear protectors.** Exposure to noise can cause hearing loss.
- ▶ **Use auxiliary handles, if supplied with the tool.** Loss of control can cause personal injury.
- ▶ **Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring.** Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

2.3 Additional safety instructions for breakers

Personal safety

- ▶ Use the product only when it is in technically faultless condition.
- ▶ Never tamper with or modify the power tool in any way.

- ▶ Use the auxiliary grips supplied with the power tool. Loss of control can cause personal injury.
- ▶ Apply appropriate safety measures at the opposite side of the workpiece in work that involves breaking through. Parts breaking away could fall out and / or fall down causing injury to other persons.
- ▶ Always hold the tool securely with both hands on the insulated grips. Keep the grips clean and dry. If the accessory tool comes into contact with live cables, metal parts of the power tool can also become live, resulting in an electric shock.
- ▶ You and any other persons in the vicinity must wear suitable eye protection, a hard hat, ear protection, protective gloves and respiratory protection while the tool is in use.
- ▶ Wear protective gloves also when changing the accessory tool. Touching the accessory tool can result in cuts and burns.
- ▶ Wear eye protection. Flying fragments can injure the body and eyes.
- ▶ Before starting work, check the hazard class of the dust that will be produced when working. Use an industrial vacuum cleaner with an officially approved protection class in compliance with the locally applicable dust protection regulations. Dust from materials such as lead-based paint, certain types of wood and concrete/masonry/stone containing quartz, minerals or metal can be harmful to health.
- ▶ Make sure that the workplace is well ventilated and, where necessary, wear a respirator appropriate for the type of dust generated. Contact with or inhalation of the dust may cause allergic reactions and/or respiratory or other diseases among operators or bystanders. Certain kinds of dust are classified as carcinogenic such as oak and beech dust, especially in conjunction with additives for wood conditioning (chromate, wood preservative). Material containing asbestos may be handled only by specialists.
- ▶ Take breaks and do physical exercises to improve the blood circulation in your fingers. Exposure to vibration during long periods of work can lead to disorders of the blood vessels and nervous system in the fingers, hands and wrists.

Electrical safety

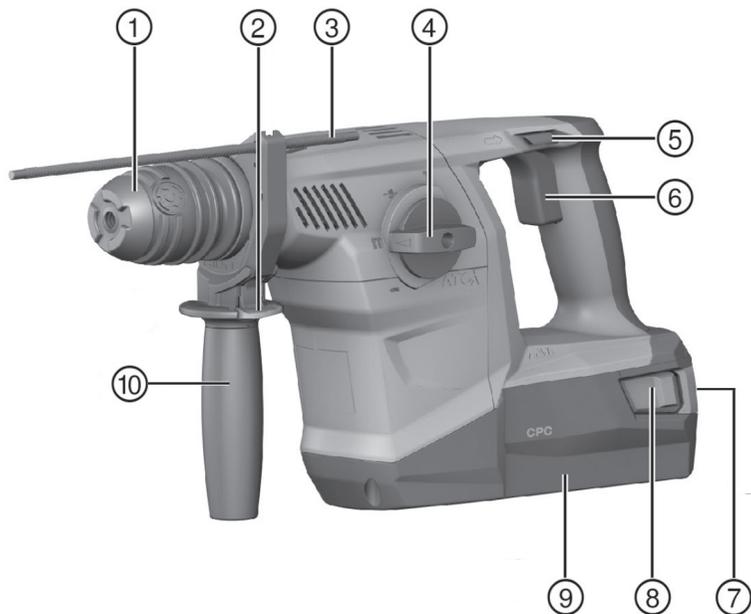
- ▶ Before beginning work, check the working area for concealed electric cables or gas and water pipes. External metal parts of the power tool can become live, presenting a risk of electric shock, if you accidentally damage an electric cable.

Careful handling and use of electric tools

- ▶ Wait until the power tool stops completely before you lay it down.

3 Description

3.1 Product overview



① Chuck

② Depth gauge release button

- | | | | |
|---|--------------------------|---|---|
| ③ | Depth gauge | ⑦ | Battery state of charge / fault display |
| ④ | Function selector switch | ⑧ | Release buttons / battery state of charge display |
| ⑤ | Forward / reverse switch | ⑨ | Battery |
| ⑥ | Control switch | ⑩ | Side handle |

3.2 Intended use

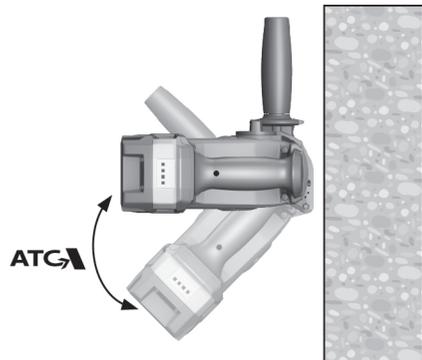
The product described is a cordless (battery-powered) combihammer with pneumatic hammering mechanism. It is designed for drilling in concrete, masonry, wood and metal. The product can also be used for light to medium-duty chiseling on masonry and surface finishing work on concrete.

- ▶ Use only **Hilti** Li-ion batteries from the B 36 series with this product.
- ▶ Use only the **Hilti** battery chargers from the C4/36 series for these batteries.

3.3 Possible misuse

- This product is not suitable for working on hazardous materials.
- This product is not suitable for working in a damp environment.

3.4 Active Torque Control



The tool is equipped with a mechanical slip clutch and an Active Torque Control (ATC) system.

This system provides additional drilling safety and convenience as it causes rapid shutdown upon sudden rotation of the power tool about the drill bit axis. This may occur, for example, when the drill bit sticks due to hitting a rebar or when the drill bit is tilted unintentionally.

Always choose a working position in which the body of the power tool, when running in a forward direction (clockwise), is free to rotate in a counterclockwise direction (as seen by the operator). When running in reverse, the tool reacts to sudden clockwise rotation. If rotational movement is not possible, the ATC system cannot react.

3.5 Motor protection system

The tool is equipped with a motor protection system. The system monitors current input and motor temperature and thus prevents the tool from overheating.

If the motor is overloaded through application of excessive working pressure, the power tool's performance drops noticeably or it may stall completely.

If the power tool stalls or slows significantly due to overloading, release the pressure applied to the tool and then allow it to run under no load for approx. 30 seconds.

3.6 Lithium-ion battery status display

The Li-ion battery state of charge and malfunctions of the power tool are indicated by the display on the Li-ion battery. The Li-ion battery state of charge is displayed after pressing one of the two battery release buttons.

Status	Meaning
4 LEDs light.	• State of charge: 75 % to 100 %
3 LEDs light.	• State of charge: 50 % to 75 %

Status	Meaning
2 LEDs light.	<ul style="list-style-type: none"> State of charge: 25 % to 50 %
1 LED lights.	<ul style="list-style-type: none"> State of charge: 10 % to 25 %
1 LED blinks.	<ul style="list-style-type: none"> State of charge: < 10 %
1 LED blinks, the power tool is not ready for use.	<ul style="list-style-type: none"> The battery has overheated or is completely discharged.
4 LEDs blink, the power tool is not ready for use.	<ul style="list-style-type: none"> The power tool is overloaded or has overheated.



Note

Battery state of charge cannot be displayed while the control switch is pressed and for up to 5 seconds after releasing the control switch.

If the battery display LEDs blink, please observe the instructions given in the Troubleshooting section.

3.7 Items supplied

Combihammer, side handle with depth gauge, operating instructions.



Note

To help ensure safe and reliable operation, use only genuine Hilti spare parts and consumables. Spare parts, consumables and accessories approved by Hilti for use with the product can be found at your local **Hilti** Center or online at: www.hilti.com

4 Technical data

4.1 Technical data

	TE 30-A36
Rated voltage	36 V
Single impact energy in accordance with EPTA procedure 05/2009	3.6 J
Weight	5.1 kg

4.2 Noise information and vibration values determined in accordance with EN 60745

The sound pressure and vibration values given in these instructions have been measured in accordance with a standardized test and may be used to compare one electric tool with another. They may be used for a preliminary assessment of exposure. The data given represents the main applications of the electric tool. However, if the electric tool is used for different applications, with different accessory tools, or is poorly maintained, the data may vary. This may significantly increase exposure over the total working period. An accurate estimation of exposure should also take into account the times when the tool is switched off, or when it is running but not actually being used for a job. This may significantly reduce exposure over the total working period. Identify additional safety measures to protect the operator from the effects of noise and/or vibration, for example: maintenance of the electric tool and the accessories, keeping the hands warm, organization of work patterns.

Noise emission values

	TE 30-A36
Sound (power) level	103 dB
Sound pressure level (L_{pA})	92 dB
Uncertainty for the sound power level / sound level	3 dB

Total vibration

	TE 30-A36
Drilling in metal (a_{h, HD})	5 m/s ²
Hammer drilling in concrete (a_{h, HD})	10.6 m/s ²
Chiseling (a_{h, Cheq})	10.3 m/s ²
Uncertainty	1.5 m/s ²

5 Operation

5.1 Preparations at the workplace



CAUTION

Risk of injury! Inadvertent starting of the product.

- ▶ Remove the battery before making any adjustments to the power tool or before changing accessories.

Observe the safety instructions and warnings in this documentation and on the product.

5.1.1 Inserting the battery



1. Push the battery into the battery holder until it engages with an audible click.
2. Check that the battery is seated securely.

5.1.2 Removing the battery



1. Press the release buttons on the battery.
2. Pull the battery out toward the rear.

5.1.3 Charging the battery



Note

Make sure that the outer surfaces of the battery are clean and dry before inserting the battery in the approved battery charger.

Read the operating instructions for the charger for further information about the charging process.

- ▶ Use an approved charger to charge the battery.

5.1.4 Fitting the side handle



CAUTION

Risk of injury! Loss of control over the rotary hammer drill.

- ▶ Check that the side handle is fitted correctly and tightened securely. Check that the clamping band is engaged in the groove in the tool.

1. Release the side handle clamping band by turning the handle grip.
2. Slide the side handle clamping band over the chuck from the front and into the recess provided.
3. Set the side handle to the desired position.
4. Tighten the side handle clamping band by turning the handle grip.

5.1.5 Adjusting the depth gauge (optional)



1. Press the release button on the side handle.
2. Adjust the depth gauge to the desired drilling depth.
3. Release the release button.
4. Check that the side handle is securely attached.

5.1.6 Removing the chuck



CAUTION

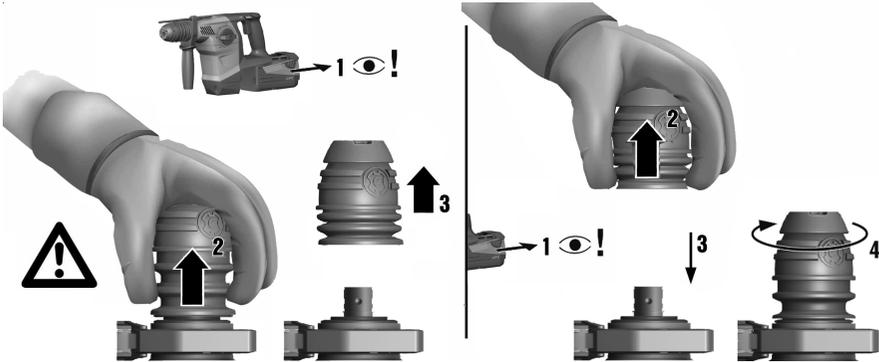
Risk of injury! The depth gauge, if fitted but not used, may hinder the user.

- ▶ Remove the depth gauge from the tool.



Note

Set the function selector switch to the **T** "Chiseling" position for changing the chuck.



1. Remove the battery from the tool.
2. Grip the chuck as shown in the illustration and pull the three chuck release rings upwards.
3. Lift the chuck upwards away from the tool.

5.1.7 Fitting the chuck



CAUTION

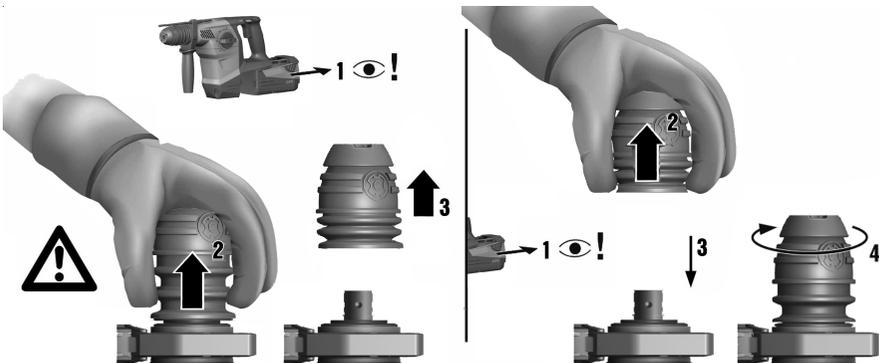
Risk of injury! The depth gauge, if fitted but not used, may hinder the user.

- ▶ Remove the depth gauge from the tool.



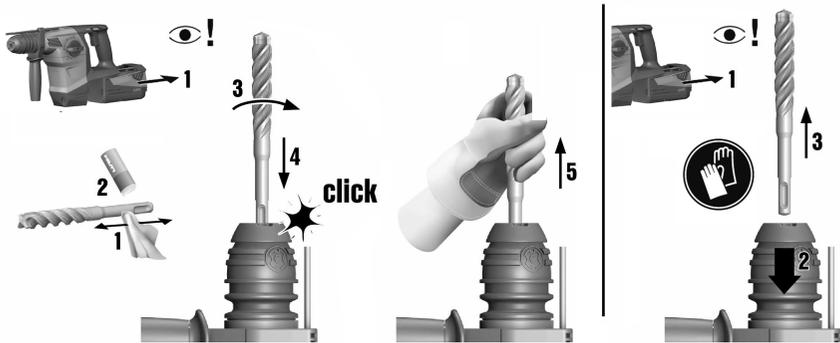
Note

When changing the chuck, set the function selector switch to this position: **T**.



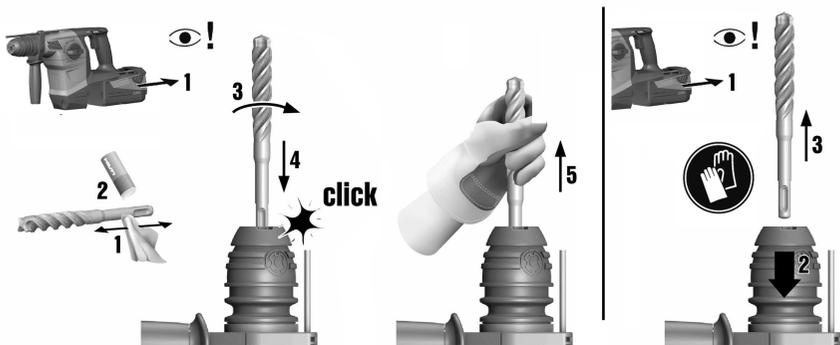
1. Remove the battery from the tool.
2. Grip the chuck as shown in the illustration and pull the three chuck release rings upwards.
3. Fit the chuck onto the chuck mount.
4. Rotate the chuck until it engages in position.

5.1.8 Fitting the accessory tool



1. Apply a little grease to the connection end of the accessory tool.
 - ◀ Use only genuine **Hilti** grease. Using the wrong grease can result in damage to the tool.
2. Push the accessory tool into the chuck as far as it will go (until it engages).
3. After fitting the accessory tool, grip it and pull it in order to check that it is securely engaged.
 - ◀ The product is ready for use.

5.1.9 Removing the accessory tool



CAUTION

Risk of injury! The accessory tool gets hot during use.

- ▶ Wear protective gloves when changing the accessory tool.
 - ▶ Do not place the hot accessory tool on readily flammable materials.
-
- ▶ Pull the chuck back as far as it will go and remove the accessory tool.

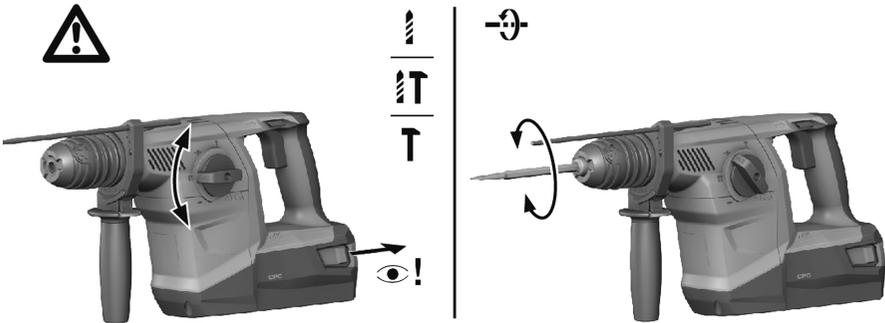
5.2 Types of work

Warning! Risk of damage!

- ▶ Operation of the direction of rotation and/or function selector switch while the tool is running may result in damage to the tool.
- ▶ Do not operate this switch while the tool is running.

Observe the safety instructions and warnings in this documentation and on the product.

5.2.1 Function selector switch



- ▶ Set the function selector switch to the desired working position.
 - ◀ Do not operate the function selector switch while the motor is running. **Risk of damage!**

5.2.2 Drilling without hammering

- ▶ Set the function selector switch to this symbol: .

5.2.3 Drilling with hammering action (hammer drilling)

- ▶ Set the function selector switch to this symbol: .

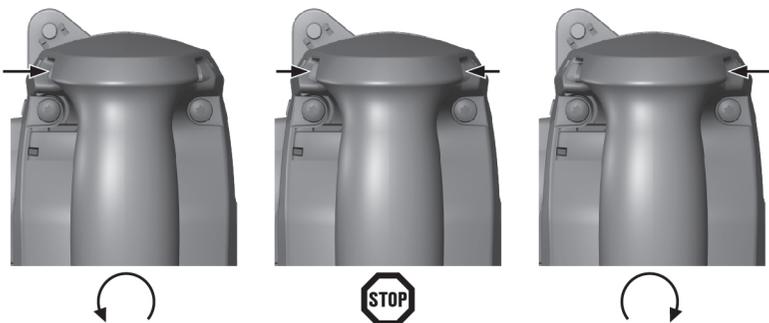
5.2.4 Chisel positioning

- ▶ Set the function selector switch to this symbol: 
 - ◀ The chisel can be adjusted to 12 different positions (in 30° increments). This ensures that flat chisels and shaped chisels can always be set to the optimum working position.

5.2.5 Chiseling

- ▶ Set the function selector switch to this symbol: .

5.2.6 Forward / reverse



- ▶ Set the forward / reverse switch to the desired direction of rotation.

6 Care and maintenance of cordless tools



WARNING

Risk of electric shock! Attempting care and maintenance with the battery fitted in the tool can lead to severe injury and burns.

- ▶ Always remove the battery before carrying out care and maintenance tasks!

Care and maintenance of the tool

- Carefully remove any dirt that may be adhering to parts.
- Clean the air vents carefully with a dry brush.
- Use only a slightly damp cloth to clean the casing. Do not use cleaning agents containing silicone as these may attack the plastic parts.

Care of the lithium-ion batteries

- Keep the battery free from oil and grease.
- Use only a slightly damp cloth to clean the casing. Do not use cleaning agents containing silicone as these may attack the plastic parts.
- Avoid ingress of moisture.

Maintenance

- Check all visible parts and controls for signs of damage at regular intervals and make sure that they all function correctly.
- Do not operate the cordless tool if signs of damage are found or if parts malfunction. Have the tool repaired by **Hilti Service** immediately.
- After cleaning and maintenance, fit all guards or protective devices and check that they function correctly.



Note

To help ensure safe and reliable operation, use only genuine Hilti spare parts and consumables. Spare parts, consumables and accessories approved by Hilti for use with the product can be found at your local **Hilti Center** or online at: www.hilti.com

7 Transport and storage of cordless tools

Transport



CAUTION

Inadvertent starting during transport. Uncontrolled starting during transport may occur if the battery is fitted, thereby resulting in damage to the tool.

- ▶ Always remove the battery before transporting the tool.

- ▶ Remove the battery.
- ▶ Transport the tool and batteries individually packaged.
- ▶ Never transport batteries in bulk form (loose, unprotected).
- ▶ Check the tool and batteries for damage before use after long periods of transport.

Storage



CAUTION

Inadvertent damage caused by defective battery. A leaking battery may damage the tool.

- ▶ Always remove the battery before storing the tool.

- ▶ Store the tool and batteries in a place that is as cool and dry as possible.
- ▶ Never store batteries in direct sunlight, on heating units or behind a window pane.
- ▶ Store the tool and batteries in a place where they cannot be accessed by children or unauthorized persons.
- ▶ Check the tool and batteries for damage before use after long periods of storage.

8 Troubleshooting

If the trouble you are experiencing is not listed in this table or you are unable to remedy the problem by yourself, please contact **Hilti Service**.

8.1 The combihammer is in working order.

Trouble or fault	Possible cause	Action to be taken
The battery runs down more quickly than usual.	Battery condition is not optimal.	▶ Replace the battery.
The battery doesn't engage with an audible click.	The retaining lugs on the battery are dirty.	▶ Clean the retaining lugs and refit the battery.
The control switch can't be pressed, i.e. the switch is locked.	The forward / reverse switch is in the middle position.	▶ Push the forward / reverse switch to the right or left.
The drive spindle doesn't rotate.	The permissible operating temperature of the combihammer's electronics has been exceeded.	▶ Allow the combihammer to cool down.
	The battery is discharged.	▶ Change the battery and charge the empty battery.
The combihammer switches itself off automatically.	The overload cut-out has been activated.	▶ Release the control switch. Allow the combihammer to cool down. Press the control switch again. Reduce the load on the tool.
The combihammer or the battery gets very hot.	Electrical fault.	▶ Switch the combihammer off immediately. Remove the battery and keep it under observation. Allow it to cool down. Contact Hilti service .
	The combihammer has been overloaded (application limits exceeded).	▶ Select a tool that is suitable for the intended purpose.
The insert tool can't be released.	Chuck not pulled back fully.	▶ Pull the chuck back as far as it will go and remove the accessory tool.
The drill bit makes no progress.	The combihammer is set to run in reverse rotation.	▶ Move the forward / reverse selector switch to the "Forward" position.

8.2 The combihammer is not in working order.

Malfunction	Possible cause	Action to be taken
No LEDs light.	The battery is not fully inserted.	▶ Push the battery in until it engages with a click.
	The battery is discharged.	▶ Change the battery and charge the empty battery.
	The battery is too hot or too cold.	▶ Bring the battery to the recommended working temperature.
1 LED blinks.	The battery is discharged.	▶ Change the battery and charge the empty battery.
	The battery is too hot or too cold.	▶ Bring the battery to the recommended working temperature.
4 LEDs blink.	The combihammer has been overloaded briefly.	▶ Release the control switch and then press it again.
	The overheating prevention cut-out has been activated.	▶ Allow the combihammer to cool down and clean the air vents.

9 Disposal

 Most of the materials from which **Hilti** tools and appliances are manufactured can be recycled. The materials must be correctly separated before they can be recycled. In many countries, your old tools, machines or appliances can be returned to **Hilti** for recycling. Ask **Hilti** Service or your Hilti representative for further information.



-
- ▶ Disposal of electric tools or appliances together with household waste is not permissible.
-

10 Manufacturer's warranty

- ▶ Please contact your local **Hilti** representative if you have questions about the warranty conditions.



Hilti Aktiengesellschaft
Feldkircherstraße 100
9494 Schaan | Liechtenstein

TE 30-A36 (03)

[2017]

2006/42/EG

2014/30/EU

2011/65/EU

EN ISO 12100

EN 60745-1

EN 60745-2-6

Paolo Luccini

Head of BA Quality and Process Management
BA Electric Tools & Accessories

Schaan, 05/2017

Tassilo Deinzer

Executive Vice President
BU Power Tools & Accessories



Hilti Corporation

LI-9494 Schaan

Tel.: +423/234 21 11

Fax: +423/234 29 65

www.hilti.group

Hilti = registered trademark of Hilti Corp., Schaan

