Safety

General power tool safety warnings

WARNING Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

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 a 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 power source and/or 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 and clothing 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.

Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.

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 plug from the power source and/or remove the battery pack, if detachable, 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 and accessories. 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.

Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

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.

Do not use a battery pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.

Do not expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 130° C (265 °F) may cause explosion.

Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

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.

Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorized service providers.

Hammer safety warnings

Safety instructions for all operations

Wear ear protectors. Exposure to noise can cause hearing loss.

Use auxiliary handle(s), if supplied with the tool. Loss of control can cause personal injury.

Hold the 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.

Safety instructions when using long drill bits with rotary hammers

Always start drilling at low speed and with the bit tip in contact with the workpiece. At higher speeds, the bit is likely to bend if allowed to rotate freely without contacting the workpiece, resulting in personal injury.

Apply pressure only in direct line with the bit and do not apply excessive pressure. Bits can bend causing breakage or loss of control, resulting in personal injury.

Additional safety instructions

Personal safety

Use the product and accessories only when they are in perfect working order.

Never tamper with or modify the product or accessories in any way.

Use auxiliary handles supplied with the product. Keep the grips clean and dry. Loss of control can cause personal injury.

Always check that you have a safe and firm stance when you use the product. Make sure that you are securely balanced and have control before you start the operation.

Risk of injury by falling tools and/or accessories. Before starting work, check that the battery and installed accessories are secure.

Keep the air vents clear at all times. Risk of burn injuries due to blocked air vents!

Dust produced by grinding, sanding, cutting and drilling can contain dangerous chemicals. Some examples are: lead or lead-based paints; brick, concrete and other masonry products, natural stone and other products containing silicates; certain types of wood, such as oak, beech and chemically treated wood; asbestos or materials that contain asbestos. Determine the exposure of the operator and bystanders by means of the hazard classification of the materials to

be worked. Implement the necessary measures to restrict exposure to a safe level, for example by the use of a dust collection system or by the wearing of suitable respiratory protection. The general measures for reducing exposure include:
working in an area that is well ventilated,
avoidance of prolonged contact with dust,
directing dust away from the face and body,
wearing protective clothing and washing exposed areas of the skin with water and soap.
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.
When chiseling into ceilings, walls and floors, always make sure that you have a safe and firm stance. A sudden break-through can affect your balance!
Do not touch rotating parts – risk of injury!
Wear eye protection, a hard hat and ear protection while the product is in use.
Wear eye protection. Flying fragments can injure the body and eyes.
Wear protective gloves when changing the accessory tool. Touching the accessory tool can result in cuts and burns.
Take frequent breaks and do physical exercises to improve the blood circulation in your fingers. High 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 product could give you an electric shock or cause an explosion if you accidentally damage an electric cable or a gas or water pipe.

Power tool use and care

Switch the product off immediately if the accessory tool jams. The product might twist off-line.
Switch the product on only after bringing it to the working position.
Wait until the product has come to a complete stop before you lay it down.

Careful handling and use of batteries

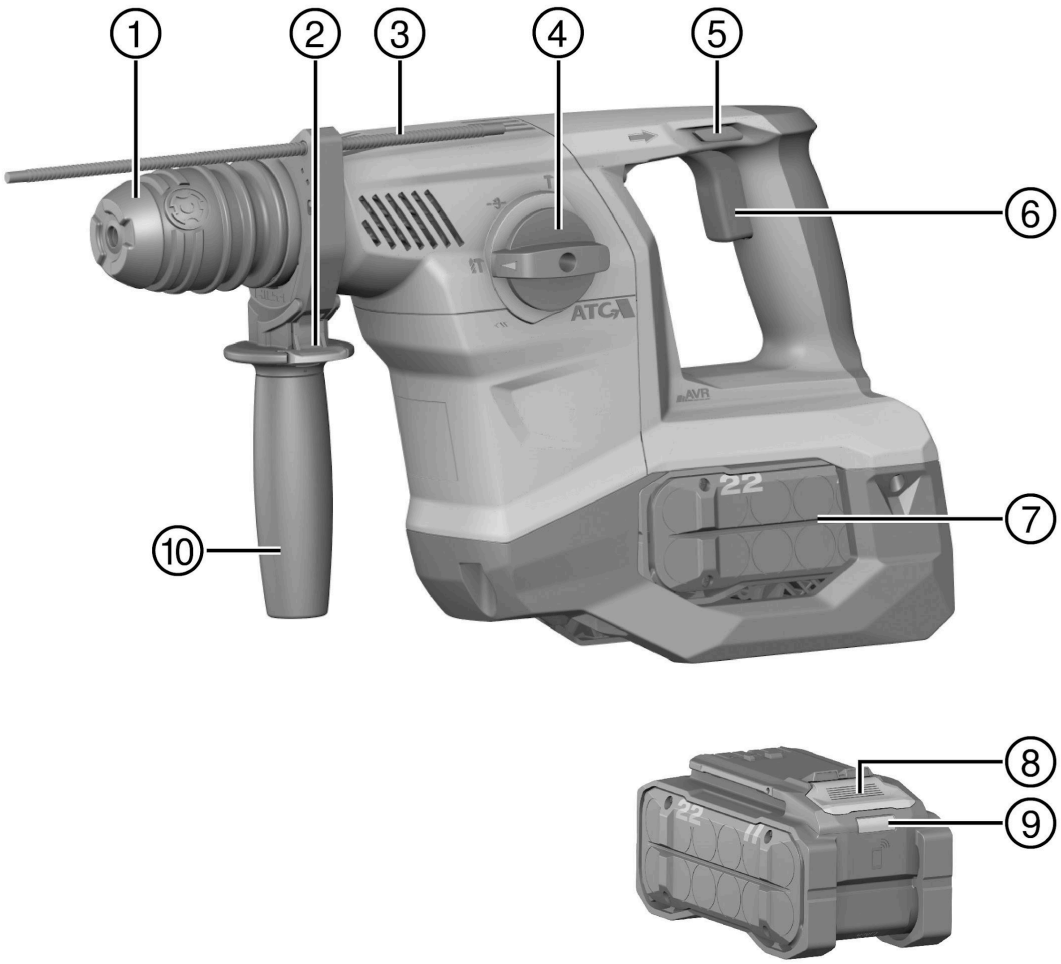
Comply with the following safety instructions for the safe handling and use of Li-ion batteries. Failure to comply can lead to skin irritation, severe corrosive injury, chemical burns, fire and/or explosion.
Use only batteries that are in perfect working order.
Treat batteries with care in order to avoid damage and prevent leakage of fluids that are extremely harmful to health!
Do not under any circumstances modify or tamper with batteries!

Do not disassemble, crush or incinerate batteries and do not subject them to temperatures over 80 °C (176 °F).
Never use or charge a battery that has suffered an impact or been damaged in any other way. Check your batteries regularly for signs of damage.
Never use recycled or repaired batteries.
Never use the battery or a battery-operated power tool as a striking tool.
Never expose batteries to the direct rays of the sun, elevated temperature, sparking, or open flame. This can lead to explosions.
Do not touch the battery poles with your fingers, tools, jewelry, or other electrically conductive objects. This can damage the battery and also cause material damage and personal injury.
Keep batteries away from rain, moisture and liquids. Penetrating moisture can cause short circuits, electric shock, burns, fire and explosions.
Use only chargers and power tools approved for the specific battery type. Read and follow the relevant operating instructions.
Do not use or store the battery in explosive environments.
If the battery is too hot to touch, it may be defective. Put the battery in a place where it is clearly visible and where there is no risk of fire, at an adequate distance from flammable materials. Allow the battery to cool down. If it is still too hot to touch after an hour, the battery is faulty. Consult **Hilti** Service or read the document entitled "Instructions on safety and use for **Hilti** Li-ion batteries".

Observe the special guidelines applicable to the transport, storage and use of lithium-ion batteries.
Read the instructions on safety and use of **Hilti** Li-ion batteries that you can access by scanning the QR code at the end of these operating instructions.

Description

Product overview



Tool holder
Depth gauge release button
Depth gauge
Function selector switch
Forward/reverse switch with switch-on interlock
Control switch
Battery
Battery release button
Battery status indicator
Side handle

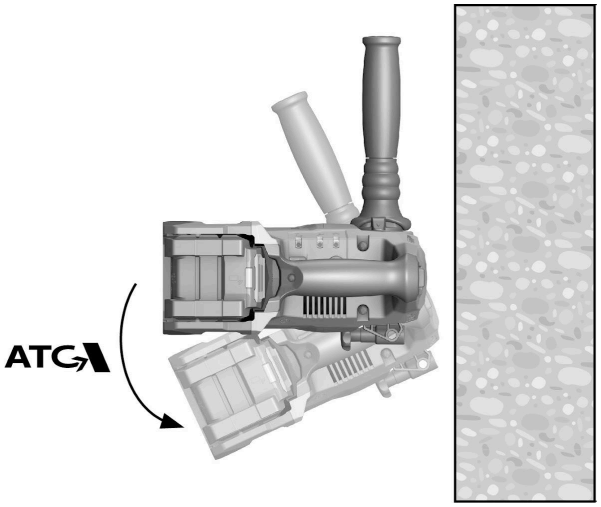
Intended use

The product described is a cordless SDS-Plus rotary hammer drill. 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 and for driving and removing screws in combination with a suitable tool holder in accordance with **www.hilti.group**

NURON			
B 22-85 (01)	0,77 kg	1.70 lb	**C 4-22**
B 22-110 (01)	0,92 kg	2.03 lb	**C 6-22**
B 22-170 (01)	1,34 kg	2.95 lb	**C 8-22**
B 22-255 (01)	1,87 kg	4.12 lb	

For this product, use only **Hilti** Nuron lithium-ion batteries of the B 22 series. For optimum performance, **Hilti** recommends the batteries stated in this table for this product.
For these batteries, use only **Hilti** chargers of the type series stated in this table.

ATC



The product is equipped with the ATC (Active Torque Control) quick-acting electronic cut-out.
If the accessory tool sticks or stalls, the product will suddenly pivot about its own axis in the opposite direction. ATC detects this sudden pivoting movement of the product and switches the product off immediately.
For ATC to function correctly, the product must be free to pivot.

After an ATC cut-out, switch the product off and then on again.

Active Vibration Reduction

The tool is equipped with an Active Vibration Reduction (AVR) system which reduces vibration noticeably.

Status indicators of the Li-ion battery

Hilti Nuron Li-ion batteries can indicate state of charge, fault messages and the battery's state of health.

Indicators for state of charge and fault messages

Short-press the release button of the battery to get whichever of the following status indications is applicable at the time.

WARNING

Risk of injury by a falling battery!

If the release button is pressed with a battery inserted in the product, subsequently check that the battery is correctly re-engaged and secure.

State of charge and, if applicable, faults are indicated constantly as long as the connected product is switched on.

Status	Meaning
Four (4) LEDs show constantly green	State of charge: 100 % to 71 %
Three (3) LEDs show constantly green	State of charge: 70 % to 51 %
Two (2) LEDs show constantly green	State of charge: 50 % to 26 %
One (1) LED shows constantly green	State of charge: 25 % to 10 %
One (1) LED slow-flashes green	State of charge: < 10 %

One (1) LED quick-flashes green	The Li-ion battery is completely discharged. Recharge the battery. If the LED again starts quick-flashing after the battery has been charged, consult **Hilti** Service.
One (1) LED quick-flashes yellow	The Li-ion battery or the product in which it is inserted is overloaded, too hot or too cold, or experiencing some other fault. Bring the product and the battery to the recommended working temperature and do not overload the product when it is in use. If the message persists, consult **Hilti** Service.
One (1) LED shows yellow	The Li-ion battery and the product in which it is inserted are not compatible. Consult **Hilti** Service.
One (1) LED quick-flashes red	The Li-ion battery is locked and cannot be used. Consult **Hilti** Service.

Indicators showing the battery's state of health

To check the battery's state of health, press the release button and hold it down for longer than three seconds. The system does not detect a potential malfunction of the battery due to misuse, for example battery dropped or pierced, external heat damage, etc.

Status	**Meaning**
All LEDs show in sequence, followed by one (1) LED showing constantly green.	The battery can remain in use.

All LEDs show in sequence, followed by one (1) LED quick-flashing yellow.	The check to ascertain the battery's state of health did not complete. Repeat the procedure, or consult **Hilti** Service.
All LEDs show in sequence, followed by one (1) LED showing constantly red.	If a connected product can still be used, the remaining battery capacity is below 50 %. If a connected product can no longer be used, the battery has reached the end of its useful life and has to be replaced. Consult **Hilti** Service.

Items supplied

SDS-Plus rotary hammer drill, side handle with depth gauge, operating instructions. Other system products approved for use with this product can be found at your local **Hilti Store** or at: **www.hilti.group**

Technical data

	TE 30-22
Product generation	03
Rated voltage	21.6 V
Single impact energy	3.6 J
Weight in accordance with EPTA Procedure 01, without battery	3.9 kg
Drilling diameter range in concrete/masonry (hammer drilling)	4 mm … 28 mm

Storage temperature	−20 °C … 70 °C
Ambient temperature for operation	−17 °C … 60 °C

Battery

Battery operating voltage	21.6 V
Weight, battery	See the section headed "Intended use"
Ambient temperature for operation	−17 °C … 60 °C
Storage temperature	−20 °C … 40 °C
Battery charging starting temperature	−10 °C … 45 °C

Noise information and vibration values

The sound pressure and vibration values given in these instructions were measured in accordance with a standardized test and can be used to compare one power tool with another. They can also be used for a preliminary assessment of exposure.
The data given represent the main applications of the power tool. However, if the power tool is used for different applications, with different accessory tools, or is poorly maintained, the data can vary. This can significantly increase exposure over the total working period.
An accurate estimation of exposure should also take into account the times when the power tool is switched off, or when it is running but not actually being used for a job. This can 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: maintaining the power tool and accessory tools, keeping the hands warm, organization of work patterns.
Detailed information on the versions of the **EN 62841** standards applied here is to be found in the reproduction of the declaration of conformity.

Noise emission values

Sound (power) level	102 dB
Uncertainty for the sound power level / sound level	3 dB
Sound pressure level (L_{pA})	94 dB
Uncertainty for the sound pressure level (K_{pA})	3 dB(A)

Total vibration

Chiseling ($a_{h, Cheq}$)	B 22-85	8.5 m/s²
	B 22-255	7.6 m/s²
Hammer drilling in concrete ($a_{h, HD}$)	B 22-85	11.1 m/s²
	B 22-255	10.0 m/s²
Uncertainty		1.5 m/s²

Preparations at the workplace

WARNING

Risk of injury by inadvertent starting!

- Before inserting the battery, make sure that the product is switched off.
- 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.

Charging the battery

1. Before charging the battery, read the operating instructions for the charger.

2. Make sure that the contacts on the battery and the contacts on the charger are clean and dry.
3. Use an approved charger to charge the battery.

Inserting the battery

WARNING

Risk of injury by short circuit or falling battery!

Before inserting the battery, make sure that the contacts on the battery and the contacts on the product are free of foreign matter.

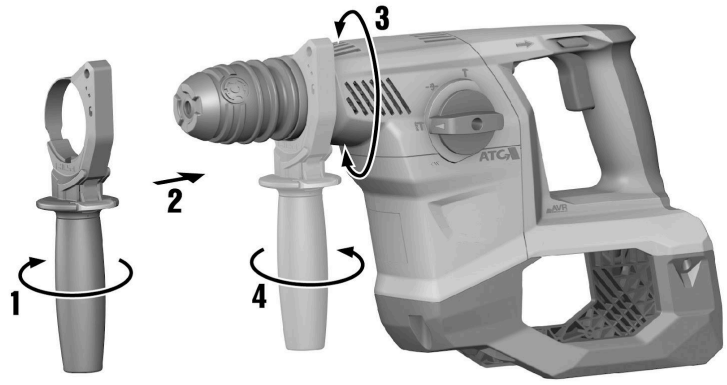
Make sure that the battery always engages correctly.

1. Charge the battery fully before using it for the first time.
2. Push the battery into the product until it engages with an audible click.
3. Check that the battery is seated securely.

Removing the battery

1. Press the battery release button.
2. Remove the battery from the product.

Fitting the side handle



CAUTION

Risk of injury! Loss of control over the product.

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

1. Release the side handle clamping band by turning the handle grip.
2. Slide the side handle clamping band over the tool holder 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.

Fall arrest

WARNING

Risk of injury by falling tool and/or accessory!

Use only the **Hilti** tool tether recommended for your product.
Prior to each use, always check the attachment point of the tool tether for possible damage.

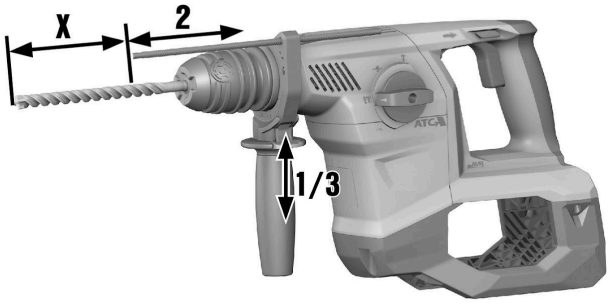
Comply with the national regulations for working at heights.

As drop arrester for this product, use only the **Hilti** tool tether #2261971.

Use the loop to secure the tool tether to the product as shown in the illustration.
Check that it holds securely.
Secure the carabiner to a load-bearing structure. Check that the carabiner holds securely.

Comply with the operating instructions of the **Hilti** tool tether.

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.

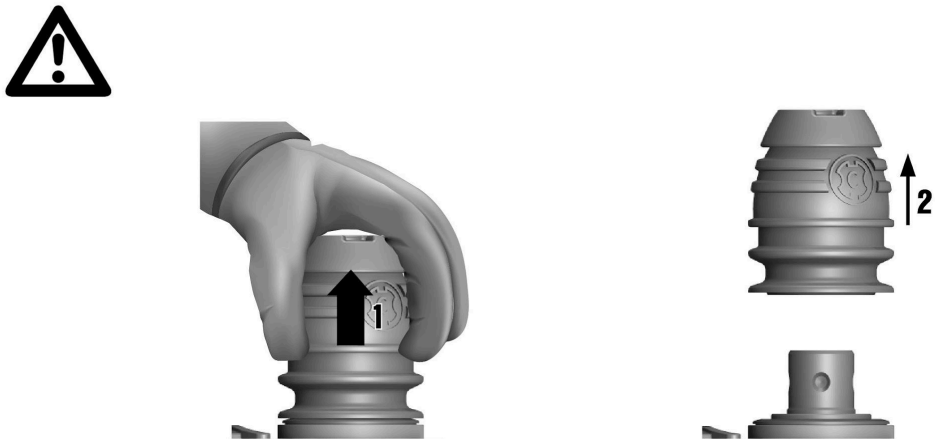
Removing the tool holder

CAUTION

Risk of injury. The depth gauge, if fitted but not used, might hinder the operator.

Remove the depth gauge from the product.

Set the function selector switch to the “Chiseling” position for changing the tool holder.



1. Grip the tool holder as shown in the illustration and pull the three tool holder release rings upwards.
2. Lift the tool holder up and off.

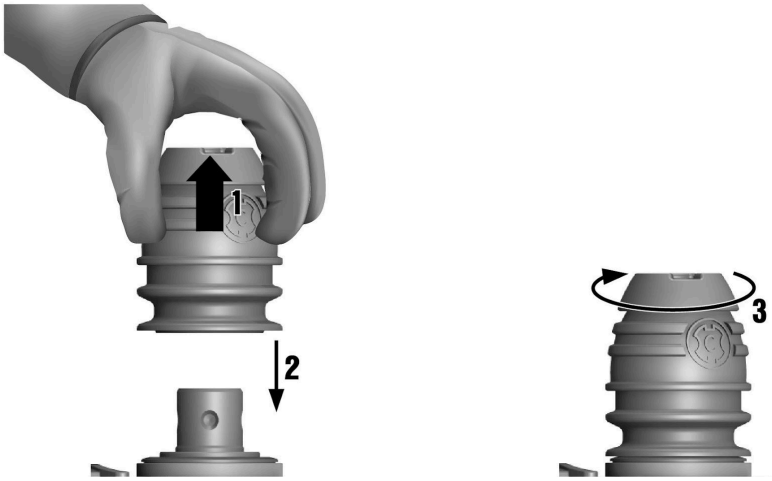
Fitting the tool holder

CAUTION

Risk of injury. The depth gauge, if fitted but not used, might hinder the operator.

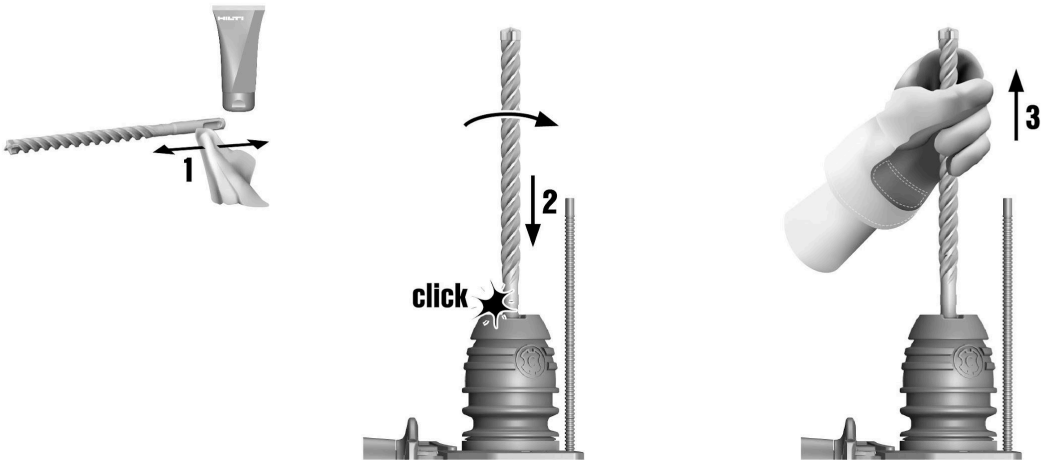
Remove the depth gauge from the product.

When changing the tool holder, set the function selector switch to this position:



1. Grip the tool holder as shown in the illustration and pull the three tool holder release rings upwards.
2. Install the tool holder on the mount.
3. Rotate the tool holder until it engages in position.

Inserting accessory tool



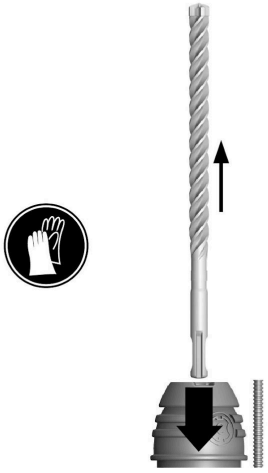
1. Lightly grease the connection end of the accessory tool.

Use only genuine **Hilti** grease. Using the wrong grease can result in damage to the product.

2. Push the accessory tool into the tool holder 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.

Removing accessory tool



CAUTION

Risk of injury by the accessory tool! The accessory tool might be hot or have sharp edges.

Wear protective gloves when changing the accessory tool.

Pull the tool lock back as far as it will go and remove the accessory tool.

Operation

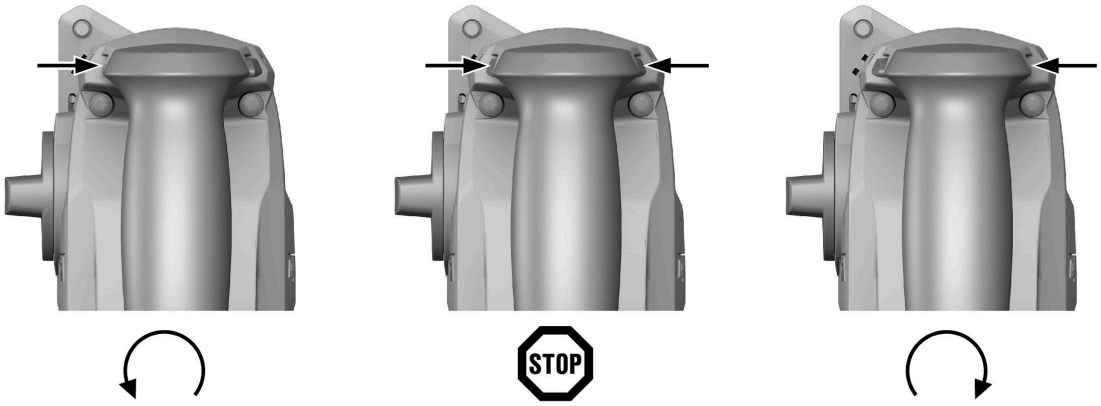
Observe the safety instructions and warnings in this documentation and on the product.

Switching on / off

1. To switch the product on, operate the control switch.

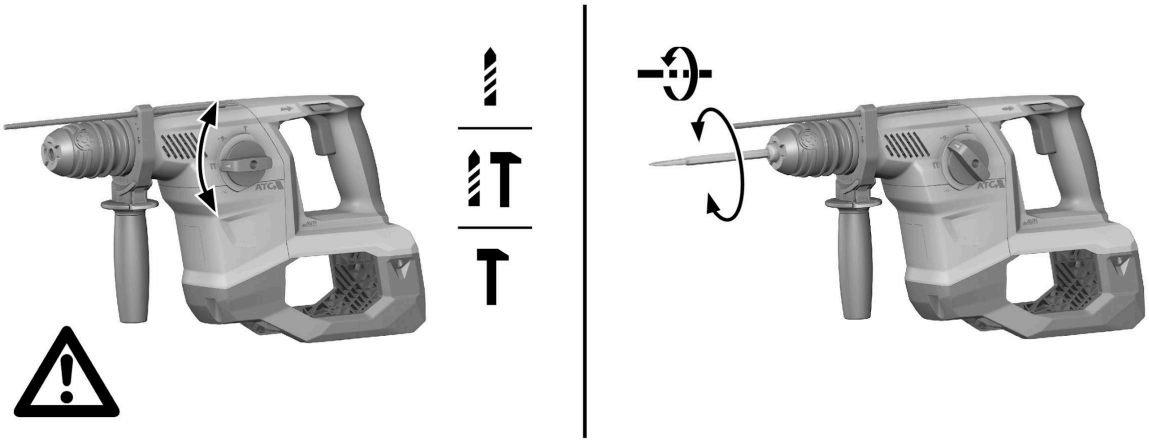
2. Speed can be controlled steplessly by varying how far the control switch is pressed in.
3. To switch the product off, release the control switch.

Forward / reverse



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

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!

Drilling without hammering

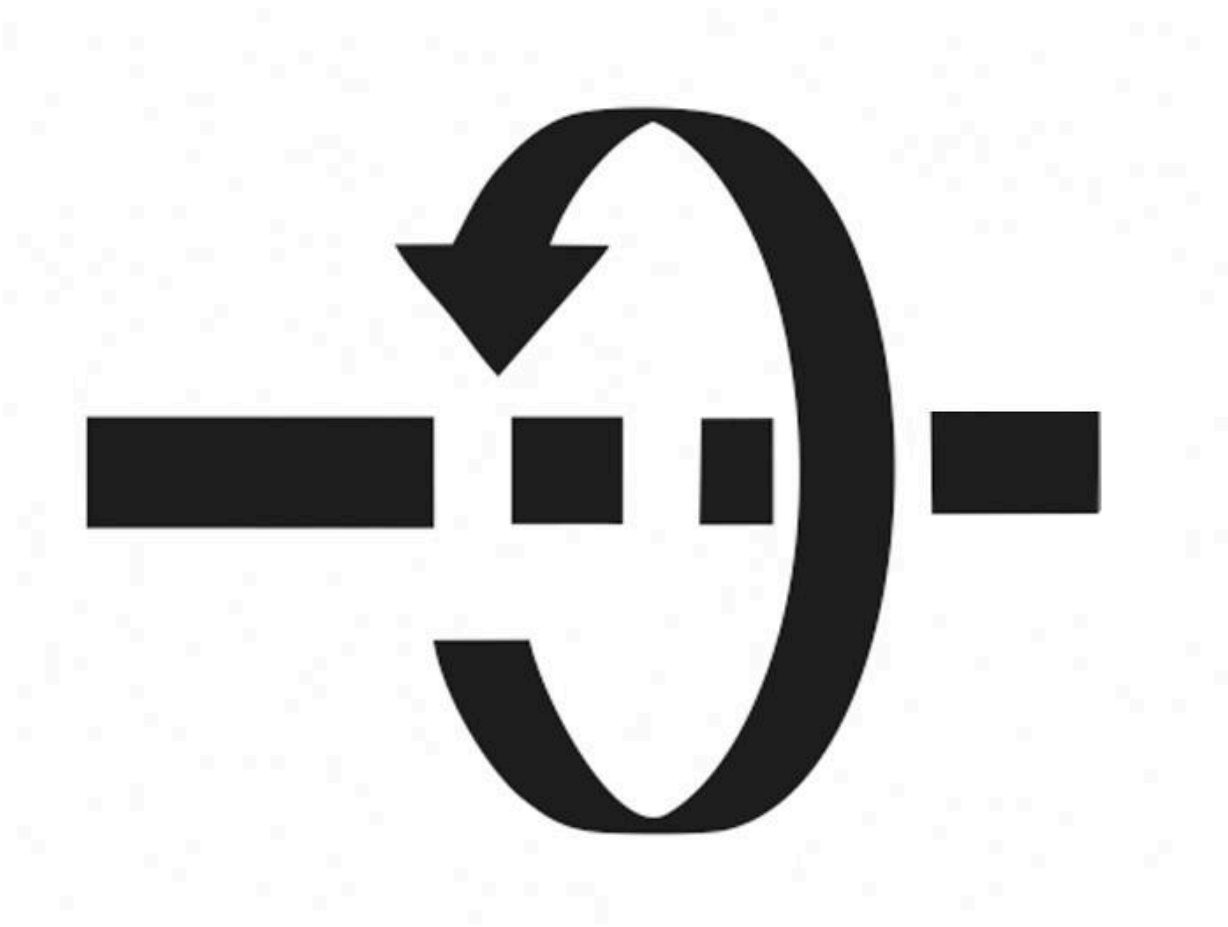
Set the function selector switch to this symbol:  .

Drilling with hammering action (hammer drilling)

Set the function selector switch to this symbol:  .

Chisel positioning

Set the function selector switch to this symbol:



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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.

Chiseling

Set the function selector switch to this symbol: .

Screwdriving

1. Change the tool holder.
2. Set the forward/reverse switch to the desired direction of rotation.

Care and maintenance

WARNING

Risk of injury with battery inserted !

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

Care of the product

Carefully remove stubborn dirt.

Carefully clean the air vents, if present, with a dry, soft brush.

Use only a slightly damp cloth to clean the housing. Do not use cleaning agents containing silicone as these can attack the plastic parts.

Use a dry, clean cloth to clean the contacts of the product.

Care of the Li-ion batteries

Never use a battery with clogged air vents. Clean the air vents carefully using a dry, soft brush.

Avoid unnecessary exposure of the battery to dust and dirt. Never expose the battery to high levels of moisture (e.g. by being dipped in water or left in the rain). If a battery has been soaked by moisture, treat it as a damaged battery. Isolate it in a non-flammable container and consult **Hilti** Service.

Keep the battery free of extraneous oil and grease. Do not permit dust or dirt to accumulate unnecessarily on the battery. Clean the battery with a dry, soft brush or a clean, dry cloth. Do not use cleaning agents containing silicone as these can attack the plastic parts.

Do not touch the contacts of the battery and do not remove the factory-applied grease from the contacts.

Use only a slightly damp cloth to clean the housing. Do not use cleaning agents containing silicone as these can attack the plastic parts.

Maintenance

Check all visible parts and controls for signs of damage at regular intervals and make sure that they all function correctly.

Do not use the product if signs of damage are found or if parts malfunction. Immediately have the product repaired by **Hilti** Service.

After cleaning and maintenance, install all guards and protective devices and check that they are in full working order.

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 your product can be found at your **Hilti Store** or online at: **www.hilti.group**

Transport and storage of cordless tools and batteries

Transport

CAUTION

Accidental starting during transport !

Always transport your products with the batteries removed!

Remove the battery/batteries.

Never transport batteries loose and unprotected. During transport, batteries should be protected from excessive shock and vibration and isolated from any conductive materials or other batteries that may come in contact with the terminals and cause a short circuit. **Comply with the locally applicable regulations for transporting batteries.**

Do not send batteries through the mail. Consult your shipper for instructions on how to ship undamaged batteries.

Prior to each use and before and after prolonged transport, check the product and the batteries for damage.

Storage

WARNING

Accidental damage caused by defective or leaking batteries !

Always store your products with the batteries removed!

Store the product and the batteries in a cool and dry place. Comply with the temperature limits stated in the technical data.

Do not store batteries on the charger. Always remove the battery from the charger when the charging operation has completed.

Never leave batteries in direct sunlight, on sources of heat, or behind glass.

Store the product and batteries where they cannot be accessed by children or unauthorized persons.

Prior to each use and before and after prolonged storage, check the product and the batteries for damage.

Troubleshooting

If a problem occurs, always observe the charge-status and fault indicator of the battery. See the section headed **Status indicators of the Li-ion battery** .

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.

Trouble or fault	Possible cause	Action to be taken

Trouble or fault	Possible cause	Action to be taken

No hammering action.	The product is too cold.	Bring the product into contact with the working surface, switch it on and allow it to idle. If necessary, repeat the procedure until the hammering mechanism begins to operate.
The battery runs down more quickly than usual.	Battery condition is not optimal.	Call up the battery's state of health.
LEDs of the battery show nothing.	Battery defective.	Contact **Hilti** Service.
The battery doesn't engage with an audible click.	The retaining lugs on the battery are dirty.	Clean the retaining lug 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.	Battery defective.	Contact **Hilti** Service.

Product switches off if drill bit jams.	The electronic safety shut-down has tripped to prevent further jamming.	Release the drill bit.
Product or battery gets very hot.	Electrical fault	Immediately switch off the product. Remove the battery and keep it under observation. Allow it to cool down. Contact **Hilti** service.
The insert tool cannot be released from the chuck.	Tool holder not pulled back fully.	Pull the tool lock back as far as it will go and remove the accessory tool.
The drill bit makes no progress.	Product has been set to reverse rotation.	Move the forward / reverse switch to the “Forward” position.
The drill bit does not rotate.	The function selector switch is not engaged or is in the "Chiseling" position  or the "Chisel positioning" position	With the motor at a standstill, set the function selector switch to the "Hammer drilling"  position.

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Product does not start.	The electronic restart interlock is activated after an interruption in the electricity supply.	Release the control switch and then press it again.