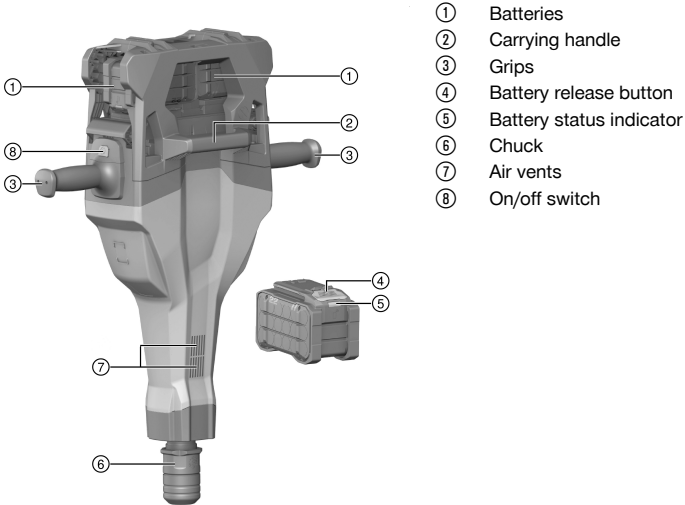


3 Description

3.1 Product overview 1



- ① Batteries
- ② Carrying handle
- ③ Grips
- ④ Battery release button
- ⑤ Battery status indicator
- ⑥ Chuck
- ⑦ Air vents
- ⑧ On/off switch

3.2 Overview of transport trolley and case B22/C (XL) (optional) 2

- ① Grip
- ② Load retainer
- ③ Locking bar
- ④ Lock for battery case B22/C (XL)
- ⑤ Holder for accessory tools (chisels)
- ⑥ Wheels
- ⑦ Wheel securing parts (washer, retaining pin)
- ⑧ Power tool locating pin
- ⑨ Carrying handle
- ⑩ Battery
- ⑪ Charger
- ⑫ Case B22/C (XL)

3.3 Intended use

The product described is a hand-held cordless breaker. It is designed for chiseling work on concrete, masonry and asphalt. It can also be used for excavating and compacting.

Use the product only in the downward working direction, toward the floor.

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

3.4 Misuse

- Use of the product in a damp or wet environment is not permissible.
- Do not use the product where there is a risk of fire and explosion.
- Working with materials hazardous to health (e.g. asbestos) is not permissible.
- Do not transport the product by crane.
- Do not work off a ladder.
- Do not use the product in a horizontal working direction, toward the wall.
- Do not use a tool tether.



3.5 Active Vibration Reduction

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

3.6 Items supplied

Cordless breaker, operating instructions, grease

The transport trolley and the case for batteries and charger are available as accessories.

Other system products approved for use with this product can be found at your local **Hilti Store** or at: www.hilti.group

3.7 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.

3.7.1 Indicators for state of charge and fault messages



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.

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

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 .

3.7.2 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 .



Status	Meaning
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 .

4 Cordless breaker

	TE 2000-22
Weight without battery	17.4 kg (38.4 lb)
Single impact energy	38.2 J
Ambient temperature for operation	-17 °C ... 60 °C (1 °F ... 140 °F)
Storage temperature	-20 °C ... 70 °C (-4 °F ... 158 °F)

4.1 Battery

Battery operating voltage	21.6 V
Weight, battery	See the end of these operating instructions
Ambient temperature for operation	-17 °C ... 60 °C (1 °F ... 140 °F)
Storage temperature	-20 °C ... 40 °C (-4 °F ... 104 °F)
Battery charging starting temperature	-10 °C ... 45 °C (14 °F ... 113 °F)

5 Preparations at the workplace

WARNING

Risk of injury by inadvertent starting!

- ▶ Before inserting the batteries, make sure that the product is switched off.
- ▶ Remove the batteries before making adjustments and before changing accessories.

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

5.1 Charging the batteries

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. → page 6

5.2 Inserting batteries

WARNING

Risk of injury by short circuit or falling battery!

- ▶ Before inserting the batteries, make sure that the contacts on the batteries and the contacts on the product are free of foreign matter.
- ▶ Make sure that the batteries always engage correctly.

1. Charge the batteries fully before using them for the first time.
2. Push the batteries into the product until they engage with an audible click.
3. Check that the batteries are seated securely.



5.3 Removing the battery

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

6 Operation

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

6.1 Inserting the accessory tool

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



The use of unsuitable grease can cause damage to the product. **Use only genuine Hilti grease.**

2. Push the accessory tool into the chuck as far as it will go, turning it and applying light pressure until it engages with an audible click.
3. Check that the chisel has engaged correctly by gripping and pulling it.

6.2 Removing the accessory tool



CAUTION

Risk of injury! The accessory tool may be hot and/or have sharp edges.

- ▶ Wear protective gloves when changing the accessory tool.
- ▶ Never lay down a hot accessory tool on a flammable surface.

1. Pull the accessory tool retaining bar back as far as it will go.
2. Remove the accessory tool.

6.3 Operation

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

Full approval must be obtained from the site engineer or architect prior to beginning the work.

6.3.1 Chiseling

1. Position the tip of the chisel at the desired location.
2. Press the on/off switch.



Working at low temperatures:

The hammering mechanism works only when the product has reached a minimum operating temperature. Briefly position the product on the surface to be worked and run the product under no load until the required temperature is reached. If necessary, repeat this procedure until the hammering mechanism begins to operate.

6.3.2 Switching off

- ▶ Press the on/off switch.

6.3.3 Working with the power tool



The chisel can be adjusted to 6 different positions (in 60° increments). This ensures that flat chisels and shaped chisels can always be set to the optimum working position.

- ▶ Bring the chisel into contact with the workpiece about 80 - 100 mm (3 1/8" - 4") from its edge.
- ▶ When working close to reinforcing bars, always guide the chisel toward the edge of the workpiece, not toward a reinforcing bar.
- ▶ Start with the chisel held at an angle of 90° to the concrete surface and face the chisel toward the edge of the workpiece. Then change the angle to 70° to 80° and chisel the material away.
- ▶ Rotate the chisel regularly to help ensure even wear and to promote the self-sharpening process.
- ▶ If inadequate pressure is applied, the chisel will jump around uncontrollably. Application of excessive pressure will result in a loss of chiseling performance.

