



# GBH 187-LI Professional

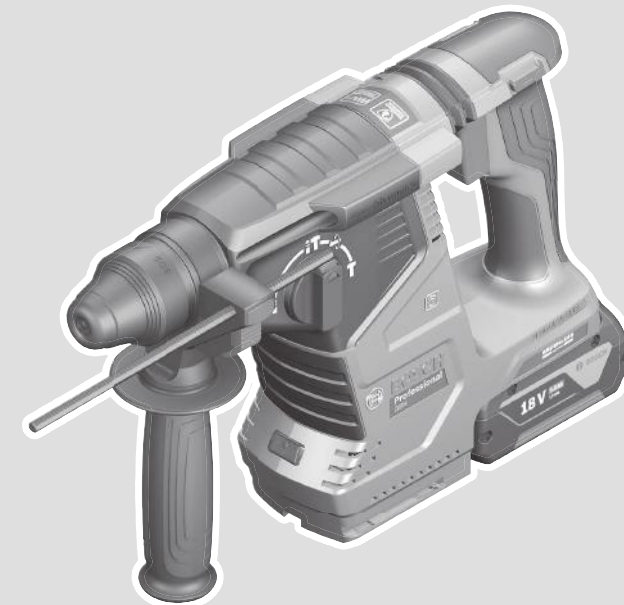
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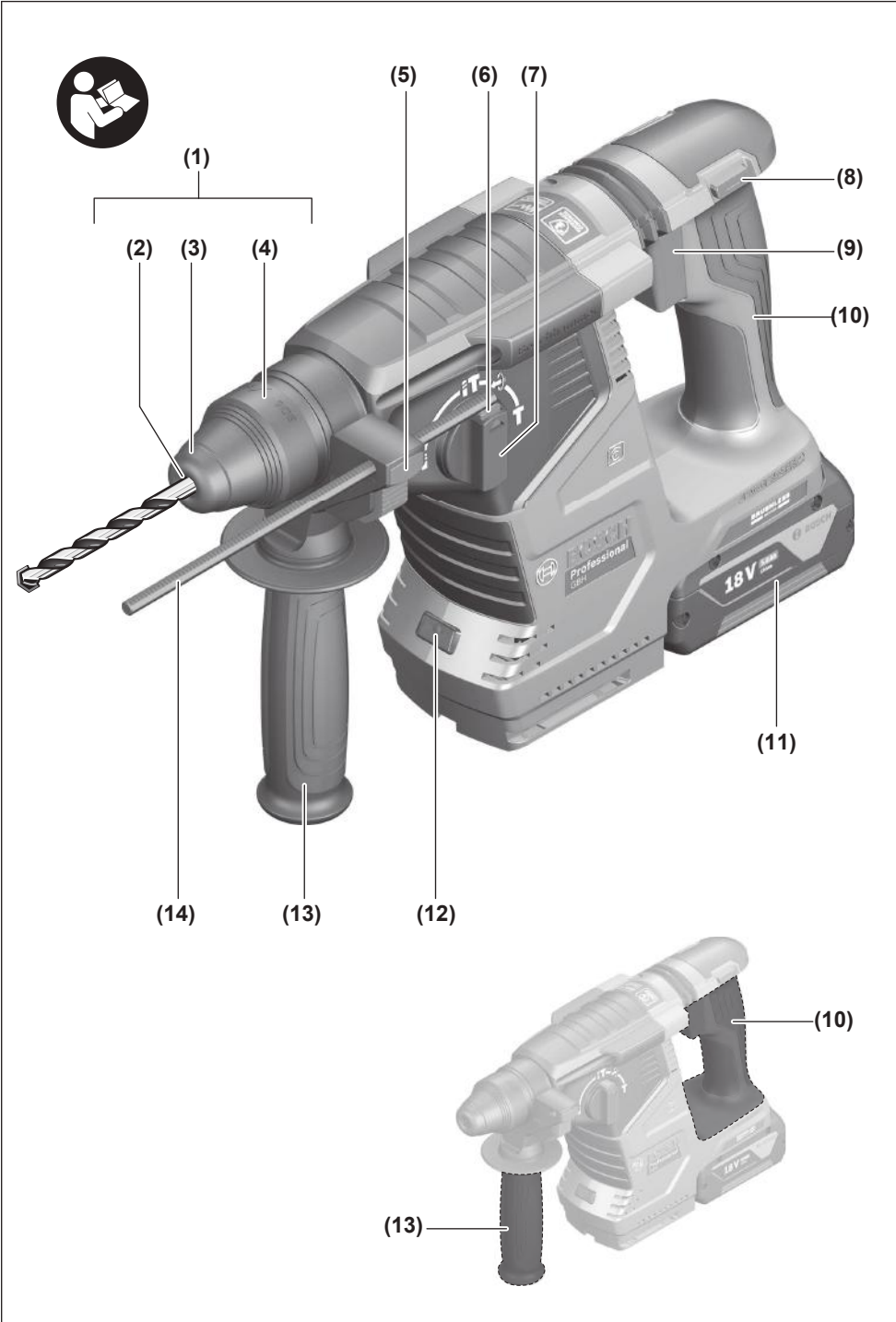
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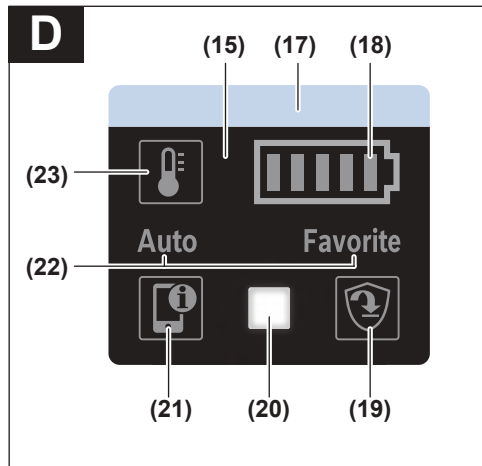
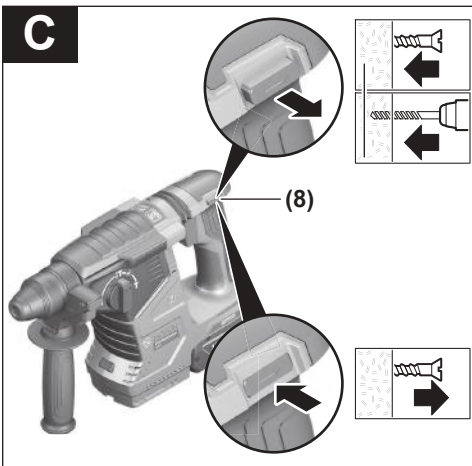
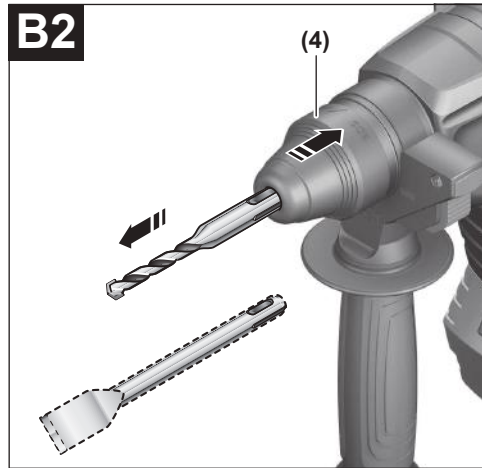
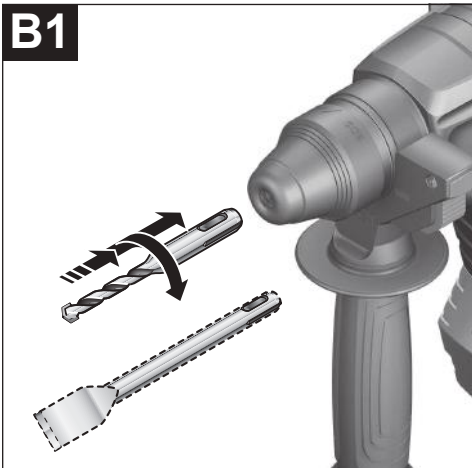
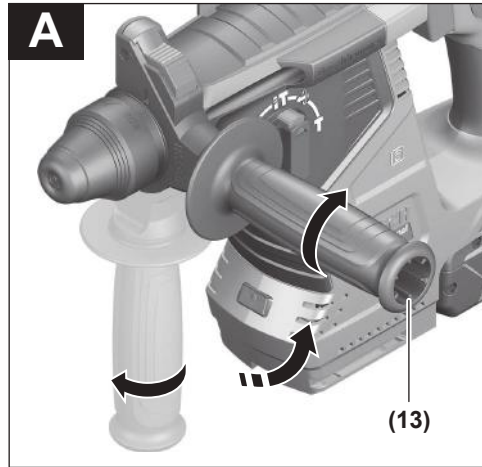
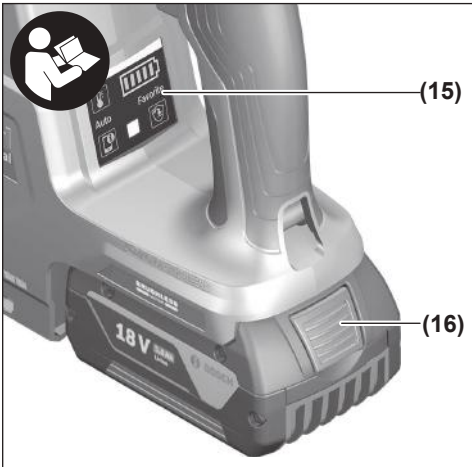


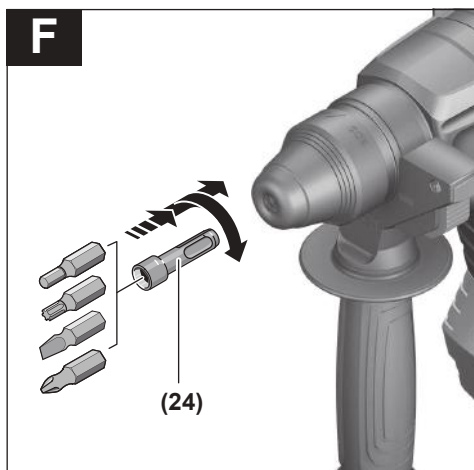
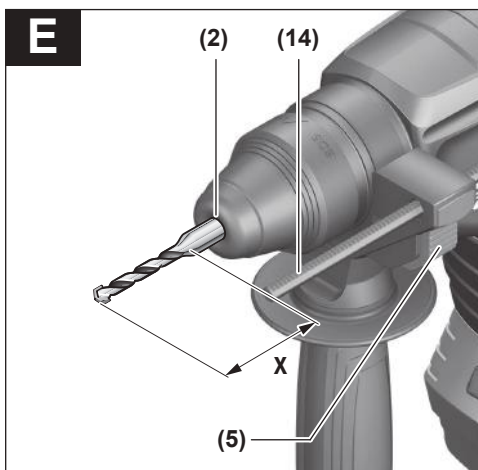
- en Original instructions
- fr Notice originale
- pt Manual original
- zh 正本使用说明书
- zh 原始使用說明書
- th หนังสือคู่มือการใช้งานฉบับต้นแบบ
- id Petunjuk-Petunjuk untuk Penggunaan Orisinal
- vi Bản gốc hướng dẫn sử dụng
- ar دليل التشغيل الأصلي
- fa دفترچه راهنمای اصلی



English .....	Page	6
Français .....	Page	14
Português .....	Página	24
中文 .....	頁	34
繁體中文 .....	頁	42
ไทย .....	หน้า	50
Bahasa Indonesia .....	Halaman	61
Tiếng Việt .....	Trang	71
عربي .....	الصفحة	82
فارسی .....	صفحه	92







# English

## Safety instructions

### 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 inatten-

tion 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 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 or fasteners may contact hidden wiring.** Cutting accessory or fasteners 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 information

- ▶ **Use suitable detectors to determine if there are hidden supply lines or contact the local utility company for assistance.** Contact with electric cables can cause fire and electric shock. Damaging gas lines can lead to explosion. Breaking water pipes causes property damage.
- ▶ **Always wait until the power tool has come to a complete stop before placing it down.** The application tool can jam and cause you to lose control of the power tool.
- ▶ **Secure the workpiece.** A workpiece clamped with clamping devices or in a vice is held more secure than by hand.
- ▶ **In case of damage and improper use of the battery, vapours may be emitted. The battery can set alight or explode.** Ensure the area is well ventilated and seek medical attention should you experience any adverse effects. The vapours may irritate the respiratory system.
- ▶ **Do not open the battery.** There is a risk of short-circuiting.
- ▶ **The battery can be damaged by pointed objects such as nails or screwdrivers or by force applied externally.** An internal short circuit may occur, causing the battery to burn, smoke, explode or overheat.
- ▶ **Only use the battery with products from the manufacturer.** This is the only way in which you can protect the battery against dangerous overload.



**Protect the battery against heat, e.g. against continuous intense sunlight, fire, dirt, water and moisture.** There is a risk of explosion and short-circuiting.



- ▶ **Do not touch any application tools or adjacent housing components shortly after operation.** These can become very hot during operation and cause burns.
- ▶ **The application tool may jam during drilling. Make sure you have a stable footing and hold the power tool firmly with both hands.** Otherwise you could lose control of the power tool.

- ▶ **Take care when carrying out demolition work using the chisel.** Falling fragments of the demolition material could injure you or any bystanders.
- ▶ **Hold the power tool firmly with both hands and make sure you have a stable footing.** The power tool can be more securely guided with both hands.



**WARNING**



**Ensure that the coin cell is kept out of the reach of children.**  
Coin cells are dangerous.

- ▶ **Coin cells must never be swallowed or inserted into any other part of the body. If you suspect that someone has swallowed a coin cell or that a coin cell has entered the body in another way, seek medical attention immediately.** Swallowing coin cells can result in severe internal burns and death within 2 hours.
- ▶ **Ensure that coin cell replacement is carried out properly.** There is a risk of explosion.
- ▶ **Only use the coin cells listed in this operating manual.** Do not use any other coin cells or other forms of electrical power supply.
- ▶ **Do not attempt to recharge the coin cell and do not short circuit the coin cell.** The coin cell may leak, explode, catch fire and cause personal injury.
- ▶ **Remove and dispose of drained coin cell correctly.** Drained coin cell may leak and damage the product or cause personal injury.
- ▶ **Do not overheat the coin cell or throw it into fire.** The coin cell may leak, explode, catch fire and cause personal injury.
- ▶ **Do not damage the coin cell and take the coin cell apart.** The coin cell may leak, explode, catch fire and cause personal injury.
- ▶ **Do not allow damaged coin cells to come into contact with water.** Leaking lithium may mix with water to create hydrogen, which could cause a fire, an explosion, or personal injury.
- ▶ **Caution! When using the power tool with Bluetooth<sup>®</sup>, a fault may occur in other devices and systems, aeroplanes and medical devices (e.g. pacemakers, hearing aids). Also, damage to people and animals in the immediate vicinity cannot be completely excluded. Do not use the power tool with Bluetooth<sup>®</sup> in the vicinity of medical devices, petrol stations, chemical plants, areas with a potentially explosive atmosphere or in blasting areas. Do not use the power tool with Bluetooth<sup>®</sup> in aircraft. Avoid using the product near your body for extended periods.**

The Bluetooth<sup>®</sup> word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Robert Bosch Power Tools GmbH is under license.

## Symbols

The following symbols may be important for the operation of your power tool. Please take note of these symbols and their meaning. Correctly interpreting the symbols will help you to operate the power tool more effectively and safely.

### Symbols and their meaning



Tool data logging is enabled in this tool.



Wireless connectivity tool with built-in Bluetooth<sup>®</sup> technology

## Product Description and Specifications



### Read all the safety and general instructions.

Failure to observe the safety and general instructions may result in electric shock, fire and/or serious injury.

Please observe the illustrations at the beginning of this operating manual.

### Intended Use

The power tool is intended for hammer drilling in concrete, brick and stone, as well as for light chiselling work. It is also suitable for drilling without impact in wood, metal, ceramic and plastic. Power tools with electronic control and right/left rotation are also suitable for screwdriving.

With the built-in Bluetooth<sup>®</sup> Low Energy Module, power tool data and settings are transferred between the power tool and a mobile device by means of Bluetooth<sup>®</sup> wireless technology.

### Product Features

The numbering of the product features refers to the diagram of the power tool on the graphics page.

- (1) SDS plus drill chuck
- (2) SDS plus tool holder
- (3) Dust protection cap
- (4) Locking sleeve
- (5) Button for depth stop adjustment
- (6) Release button for impact/mode selector switch
- (7) Impact/mode selector switch
- (8) Rotational direction switch
- (9) On/off switch
- (10) Handle (insulated gripping surface)
- (11) Rechargeable battery<sup>a)</sup>



- (12) Worklight
- (13) Auxiliary handle (insulated gripping surface)
- (14) Depth stop
- (15) User interface
- (16) Battery release button<sup>a)</sup>
- (17) Power tool status indicator (user interface)
- (18) Battery charge indicator (user interface)
- (19) Rapid shut-off indicator (user interface)
- (20) Button to select the working mode (user interface)
- (21) Smartphone indicator (user interface)
- (22) Working mode indicator (user interface)
- (23) Temperature indicator (user interface)
- (24) Universal holder with SDS plus shank<sup>a)</sup>

a) **Accessories shown or described are not included with the product as standard. You can find the complete selection of accessories in our accessories range.**

## Technical Data

Cordless rotary hammer		GBH 187-LI
Article number		<b>3 611 J23 0..</b>
Rated voltage	V=	18
Rated speed		
– Clockwise	min <sup>-1</sup>	0–980
– Anticlockwise	min <sup>-1</sup>	0–980
Impact rate <sup>A)</sup>	min <sup>-1</sup>	0–4350
Impact energy per stroke according to EPTA-Procedure 05:2016	J	2.4
Tool holder		SDS plus
Max. drilling diameter		
– Concrete <sup>B)</sup>	mm	24
– Steel	mm	13
– Wood	mm	30
Weight according to EPTA-Procedure 01:2014 <sup>C)</sup>	kg	3.4–4.3
Recommended ambient temperature during charging	°C	0 to +35
Permitted ambient temperature during operation <sup>D)</sup> and during storage	°C	–20 to +50
Recommended rechargeable batteries		GBA 18V... (≥ 4.0 Ah) ProCORE18V 8.0Ah/12.0Ah
Recommended chargers		GAL 18... GAX 18... GAL 36...

## Data transfer

Cordless rotary hammer		GBH 187-LI
Bluetooth <sup>®</sup>		Bluetooth <sup>®</sup> 4.2 (Low Energy) <sup>E)</sup>
Max. signal range	m	30 <sup>F)</sup>
Frequency range used	MHz	2400–2483.5
Output power	mW	< 1
<b>Energy supply Bluetooth<sup>®</sup> Low Energy module</b>		
Coin cell		3 V lithium battery, CR 2450
Coin cell service life, approx.	Years	5

- A) Measured at 20–25 °C with rechargeable battery **ProCORE18V 12.0Ah**.
- B) optimum performance with drilling diameter **6–14 mm**
- C) Depends on battery in use
- D) Limited performance at temperatures < 0 °C
- E) The mobile terminal devices must be compatible with *Bluetooth<sup>®</sup> Low Energy* devices (version 4.2) and support the Generic Access Profile (GAP).
- F) The signal range may vary greatly depending on external conditions, including the receiving device used. The *Bluetooth<sup>®</sup>* range may be significantly weaker inside closed rooms and through metallic barriers (e.g. walls, shelving units, cases, etc.).

## Rechargeable battery

**Bosch** sells some cordless power tools without a rechargeable battery. You can tell whether a rechargeable battery is included with the power tool by looking at the packaging.

### Charging the battery

- ▶ **Use only the chargers listed in the technical data.** Only these chargers are matched to the lithium-ion battery of your power tool.

**Note:** Lithium-ion rechargeable batteries are supplied partially charged according to international transport regulations. To ensure full rechargeable battery capacity, fully charge the rechargeable battery before using your tool for the first time.

### Inserting the Battery

Push the charged battery into the battery holder until it clicks into place.

### Removing the Battery



To remove the rechargeable battery, press the battery release button and pull the battery out. **Do not use force to do this.**

The rechargeable battery has two locking levels to prevent the battery from falling out if the battery release button is pressed unintentionally. The rechargeable battery is held in place by a spring when fitted in the power tool.

### Battery charge indicator

The green LEDs on the battery charge indicator indicate the state of charge of the battery. For safety reasons, it is only

possible to check the state of charge when the power tool is not in operation.

Press the button for the battery charge indicator  or  to show the state of charge. This is also possible when the battery is removed.

If no LED lights up after pressing the button for the battery charge indicator, then the battery is defective and must be replaced.

The state of charge of the battery is also displayed on the user interface Status indications.

#### Battery model GBA 18V...



LED	Capacity
3 × continuous green light	60–100 %
2 × continuous green light	30–60 %
1 × continuous green light	5–30 %
1 × flashing green light	0–5 %

#### Battery model ProCORE18V...



LED	Capacity
5 × continuous green light	80–100 %
4 × continuous green light	60–80 %
3 × continuous green light	40–60 %
2 × continuous green light	20–40 %
1 × continuous green light	5–20 %
1 × flashing green light	0–5 %

### Recommendations for Optimal Handling of the Battery

Protect the battery against moisture and water.

Only store the battery within a temperature range of –20 to 50 °C. Do not leave the battery in your car in the summer, for example.

Occasionally clean the ventilation slots on the battery using a soft brush that is clean and dry.

A significantly reduced operating time after charging indicates that the battery has deteriorated and must be replaced. Follow the instructions on correct disposal.

### Assembly

- ▶ **Remove the battery from the power tool before carrying out work on the power tool (e.g. maintenance, changing tool, etc.). The battery should also be removed for transport and storage.** There is risk of injury from unintentionally pressing the on/off switch.

### Auxiliary handle

- ▶ **Do not operate your power tool without the auxiliary handle (13).**
- ▶ **Make sure that the auxiliary handle is always tightened.** Otherwise you could lose control of the power tool when working.

#### Swivelling the auxiliary handle (see figure A)

You can swivel the auxiliary handle (13) to any angle for a safe work posture that minimises fatigue.

- Turn the lower gripping end of the auxiliary handle (13) anticlockwise and swivel the auxiliary handle (13) into the required position. Then turn the lower gripping end of the auxiliary handle (13) clockwise to retighten it. Make sure that the retaining strap of the auxiliary handle slots into the corresponding groove of the housing.

### Changing the Tool

The dust protection cap (3) largely prevents the penetration of drilling dust into the tool holder during operation. When inserting the tool, make sure that the dust protection cap (3) does not become damaged.

- ▶ **Replace a damaged dust protection cap immediately. It is recommended that you have use an after-sales service for this.**

#### Changing the tool (SDS plus)

##### Inserting SDS-plus application tools (see figure B1)

The SDS-plus drill chuck enables you to change the application tool easily and conveniently without needing to use additional tools.

- Clean and lightly grease the insertion end of the application tool.
- Insert the application tool into the tool holder while turning it until it locks automatically.
- Check the latching by pulling the tool.

As a requirement of the system, the SDS-plus application tool can move freely. This causes a certain radial run-out at no-load, which has no effect on the accuracy of the drill hole, as the drill bit centres itself upon drilling.

##### Removing SDS-plus application tools (see figure B2)

- Push the locking sleeve (4) back and remove the application tool.

### Dust/Chip Extraction

Dust from materials such as lead-containing coatings, some wood types, minerals and metal can be harmful to one's health. Touching or breathing-in the dust can cause allergic reactions and/or lead to respiratory infections of the user or bystanders.

Certain dust, such as oak or beech dust, is considered carcinogenic, especially in connection with wood-treatment additives (chromate, wood preservative). Materials containing asbestos may only be worked by specialists.

- Provide for good ventilation of the working place.
- It is recommended to wear a P2 filter-class respirator.

Observe the relevant regulations in your country for the materials to be worked.

- **Avoid dust accumulation at the workplace.** Dust can easily ignite.

## Operation

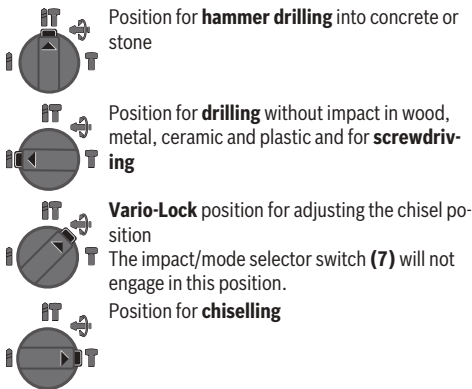
### Start-up

#### Setting the Operating Mode

The operating mode of the power tool is selected using the impact/mode selector switch (7).

- To change the operating mode, press the release button (6) and turn the impact/mode selector switch (7) until it clicks into the required position.

**Note:** Only change the operating mode when the power tool is switched off. Otherwise, the power tool may become damaged.



#### Setting the rotational direction (see figure C)

The rotational direction switch (8) is used to change the rotational direction of the power tool. However, this is not possible while the on/off switch (9) is being pressed.

- **Only operate the rotational direction switch (8) when the power tool is not in use.**

### Status indications

Battery charge indicator (user interface) (18)	Meaning/cause	Solution
Green (2 to 5 bars)	Battery charged	–
Yellow (1 bar)	Battery almost empty	Replace or charge battery soon
Red (1 bar)	Battery empty	Replace or charge battery

Temperature indicator (23)	Meaning/cause	Solution
Yellow	Operating temperature of the battery or the power tool has significantly increased, performance is reduced	Leave the power tool to cool down or replace overheated battery

Always set the rotational direction to clockwise rotation for hammer drilling, drilling and chiselling.

- **Clockwise:** To drill and to drive in screws, press the rotational direction switch (8) all the way to the left.
- **Anticlockwise:** To loosen and unscrew screws and nuts, press the rotational direction switch (8) all the way to the right.

#### Switching On/Off

- To **switch on** the power tool, press the on/off switch (9). The worklight (12) lights up when the on/off switch (9) is lightly or fully pressed, allowing the work area to be illuminated in poor lighting conditions.
- To **switch off** the power tool, release the on/off switch (9).

For low temperatures, the power tool reaches the full hammer/impact capacity only after a certain time.

#### Adjusting the Speed/Impact Rate

You can adjust the speed/impact rate of the power tool when it is on by pressing in the on/off switch (9) to varying extents.

Applying light pressure to the on/off switch (9) results in a low rotational speed/impact rate. Applying increasing pressure to the switch increases the speed/impact rate.

You can also control the speed on the user interface and/or via a smartphone app: .

#### Changing the chiselling position (Vario-Lock)

You can lock the chisel in different positions, so you can select the optimum working position for each task.

- Insert the chisel into the tool holder.
- Turn the impact/mode selector switch (7) to the "Vario-Lock" position.
- Turn the application tool to the required chisel position.
- Turn the impact/mode selector switch (7) to the "chiselling" position. With this, the tool holder is locked.
- Set the rotational direction for chiselling to clockwise.

#### User interface (see figure D)

The user interface (15) is used to select the working mode and to indicate the status of the power tool.

Temperature indicator (23)	Meaning/cause	Solution
Red	Operating temperature of the battery or the power tool has been exceeded, power tool switches itself off as a precautionary measure	Leave the power tool to cool down or replace overheated battery

Power tool status indicator (17)	Meaning/cause	Solution
Green	Status OK	–
Yellow	Critical temperature has been reached or rechargeable battery is almost empty	Allow the power tool to cool down, or replace or charge the battery
Red	Power tool has overheated or rechargeable battery is empty	Allow the power tool to cool down, or replace or charge the battery
Red	Impact/mode selector switch activated during operation	Turn the power tool off and on again
	Motor is jammed, battery too weak	Charge the battery or use the recommended battery type
	General error	– Turn the power tool off and on again, or remove the battery and reinsert it  If the error persists: – Send the power tool to the after-sales service
Flashing red – In combination with the rapid shut-off indicator (19)	Rapid shut-off is triggered	Turn the power tool off and on again
Flashing blue	Power tool is connected to a mobile device via <i>Bluetooth</i> <sup>®</sup> or settings are being transferred	–

Smartphone status indicator (21)	Meaning/cause	Solution
white	Important information available (e.g. temperature warning)	Read the message on the smartphone

### Selecting the working mode

Press the **(20)** button for selecting the working mode repeatedly until the working mode you require lights up.

**Note:** In **Favorite** working mode, the functions are configured via the smartphone app, while the functions are pre-set in **Auto** working mode.

Working mode (22) indicator	Functions
<b>Auto</b> lights up	In <b>Auto</b> working mode, the power tool reaches maximum performance. – 100 % of the maximum speed – Rapid Shut-off (KickBack Control)
<b>Favorite</b> lights up	In <b>Favorite</b> working mode, the power tool can be individually configured via a smartphone app. – The speed can be configured in several settings for different applications: low/medium/high (100 % of the maximum speed) speed

### Practical Advice

- The power tool with built-in *Bluetooth*<sup>®</sup> Low Energy Module is equipped with a radio interface. Local oper-

ating restrictions, e.g. in aircraft or hospitals, must be observed.

- ▶ In areas in which the *Bluetooth*<sup>®</sup> wireless technology must not be used, the *Bluetooth*<sup>®</sup> Low Energy Module must be switched off via the app.

#### Setting the drilling depth (see figure E)

You can use the depth stop (14) to set the required drilling depth X.

- Press the button for depth stop adjustment (5) and insert the depth stop into the auxiliary handle (13).  
The fluting on the depth stop (14) must face downwards.
- Insert the SDS-plus application tool into the SDS-plus tool holder (2) to the stop. Otherwise, the movability of the SDS-plus drilling tool can lead to incorrect adjustment of the drilling depth.
- Pull the depth stop far enough out that the distance between the drill bit tip and the edge of the depth stop corresponds to the required drilling depth X.

#### Overload clutch

- ▶ If the application tool jams or snags, the power transmission to the drill spindle will be interrupted. Always hold the power tool firmly with both hands to withstand the forces this may create and adopt a position with stable footing.
- ▶ Switch the power tool off immediately and remove the application tool if the power tool becomes blocked. Switching on when the drilling tool is blocked may cause high torque reactions.

#### Rapid shut-off (KickBack Control)



The rapid shut-off function (KickBack Control) gives the user greater control over the power tool and offers them better protection than power tools that do not have KickBack Control. If the power tool suddenly and unforeseeably rotates around the drilling axis, it will switch off and the rapid shut-off indicator (19) will light up and the worklight (12) will flash. When rapid shut-off is activated, the status indicator (17) flashes red.

- To switch the tool back on, release the on/off switch (9) and then press it again.

#### Inserting screwdriver bits (see figure F)

- ▶ Only apply the power tool to the screw/nut when the tool is switched off. Rotating tool inserts can slip off.

A universal holder (24) with SDS-plus shank (accessory) is required to work with screwdriver bits.

- Clean and lightly grease the insertion end of the shank.
- Insert the universal holder into the tool holder while turning it until it locks automatically.
- Check that it is locked by pulling the universal holder.
- Insert a screwdriver bit in the universal holder. Only use screwdriver bits that fit the screw head.
- To remove the universal holder, slide the locking sleeve (4) backwards and remove the universal holder (24) from the tool holder.

## Connectivity functions

### System Requirements for Using the App

#### System Requirements


Mobile device (tablet, smartphone)	Android 5.1 (and newer) iOS 10 (and newer)
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### Installing and Setting up the App

You will need to install the device-specific app before you can use the connectivity functions.

- Download the app from the corresponding app store (Apple App Store, Google Play Store).  
**Note:** You will need to have a user account with the relevant app store to do this.

App name	iOS	Android
Bosch Toolbox		

App name	
Bosch BeConnected	

- Then select the **MyTools** or **Connectivity** sub-item in the app.
- The display of your mobile device shows you all of the subsequent steps required to connect the power tool to the mobile device.

### Data Transfer via *Bluetooth*<sup>®</sup>

The built-in *Bluetooth*<sup>®</sup> Low Energy Module sends a signal at regular intervals. Depending on ambient conditions, multiple transmission intervals may be required before the power tool is detected. If the power tool is not detected, check the following:

- Is the distance to the mobile device too great?  
Reduce the distance between the mobile device and the power tool.
- Is the coin cell for the built-in *Bluetooth*<sup>®</sup> Low Energy Module weak or drained?  
Contact an authorised after-sales service centre for Bosch power tools to replace the coin cell.
- Switch *Bluetooth*<sup>®</sup> off and on again on your mobile device.  
Check whether the power tool has now been detected.

### Functions in Conjunction with the Power Tool

In conjunction with the *Bluetooth*<sup>®</sup> Low Energy Module, the following connectivity functions are available for the power tool:

- Registration and personalisation
- Status check, output of warning messages
- General information and settings
- Management
- Adjusting the *Bluetooth*® transfer settings for **Favourite** working mode

## Maintenance and Service

### Maintenance and Cleaning

- ▶ **Remove the battery from the power tool before carrying out work on the power tool (e.g. maintenance, changing tool, etc.). The battery should also be removed for transport and storage.** There is risk of injury from unintentionally pressing the on/off switch.
- ▶ **To ensure safe and efficient operation, always keep the power tool and the ventilation slots clean.**
- ▶ **Replace a damaged dust protection cap immediately. It is recommended that you have use an after-sales service for this.**
- Clean the tool holder **(2)** after each use.

### Replacing the Built-in Coin Cell

The *Bluetooth*® Low Energy Module is fitted with a coin cell. You will be notified via the **Bosch Toolbox** app if the coin cell is too weak or if it is drained. The coin cell replacement must be performed by Bosch or by an after-sales service centre authorised to work with Bosch power tools.

- ▶ **Caution: The coin cell must always be replaced with a coin cell of the same type.** There is a risk of explosion.
- ▶ **Remove and dispose of drained coin cell correctly.** Drained coin cell may leak and damage the product or cause personal injury.

### After-Sales Service and Application Service

Our after-sales service responds to your questions concerning maintenance and repair of your product as well as spare parts. You can find explosion drawings and information on spare parts at: [www.bosch-pt.com](http://www.bosch-pt.com)

The Bosch product use advice team will be happy to help you with any questions about our products and their accessories.

In all correspondence and spare parts orders, please always include the 10-digit article number given on the nameplate of the product.

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### You can find further service addresses at:

[www.bosch-pt.com/serviceaddresses](http://www.bosch-pt.com/serviceaddresses)

### Transport

The recommended lithium-ion batteries are subject to legislation on the transport of dangerous goods. The user can transport the batteries by road without further requirements.

When shipping by third parties (e.g.: by air transport or forwarding agency), special requirements on packaging and labelling must be observed. For preparation of the item being shipped, consulting an expert for hazardous material is required.

Dispatch battery packs only when the housing is undamaged. Tape or mask off open contacts and pack up the battery in such a manner that it cannot move around in the packaging. Please also observe the possibility of more detailed national regulations.

### Disposal



Power tools, rechargeable batteries, accessories and packaging should be sorted for environmental-friendly recycling.



Do not dispose of power tools and batteries/rechargeable batteries into household waste!

### Battery packs/batteries:

#### Li-ion:

Please observe the notes in the section on transport (see "Transport", page 14).

## Français

### Consignes de sécurité

#### Avertissements de sécurité généraux pour l'outil électrique

#### **AVERTISSEMENT**

**Lire tous les avertissements de sécurité, les instructions, les illustrations et les spécifications fournis avec cet outil électrique.** Ne pas suivre les instructions énumérées ci-dessous peut provoquer un choc électrique, un incendie et/ou une blessure sérieuse.

#### **Conserver tous les avertissements et toutes les instructions pour pouvoir s'y reporter ultérieurement.**

Le terme "outil électrique" dans les avertissements fait référence à votre outil électrique alimenté par le secteur (avec cordon d'alimentation) ou votre outil électrique fonctionnant sur batterie (sans cordon d'alimentation).