



# BOSCH GSR 18V-90 C Cordless Drill or Driver Instruction Manual

[Home](#) » [Bosch](#) » BOSCH GSR 18V-90 C Cordless Drill or Driver Instruction Manual 



# **BOSCH**

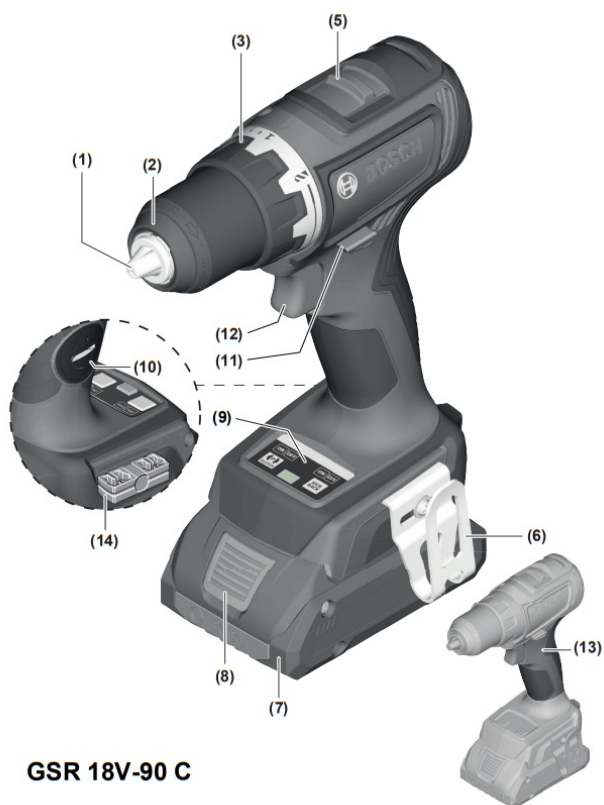
**GSR 18V-90 C Cordless Drill or Driver  
Instruction Manual**



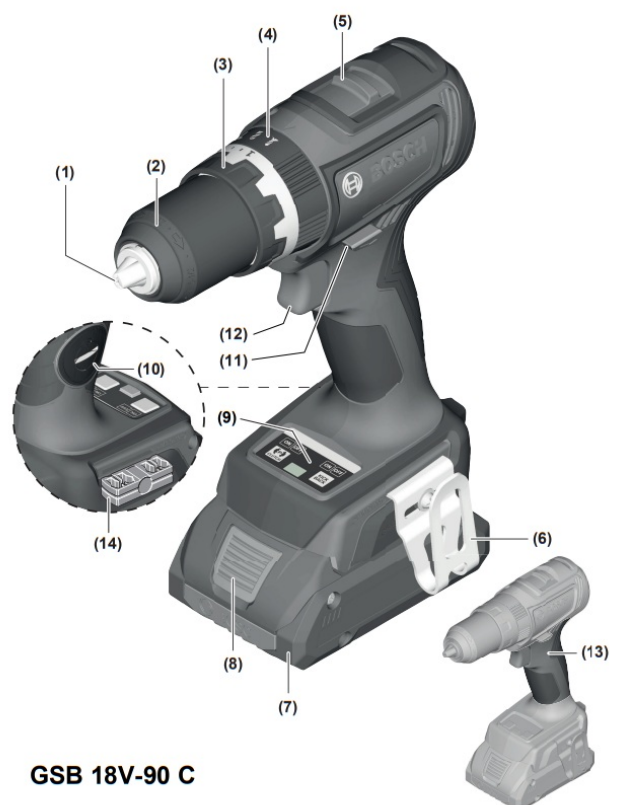
## Contents

- 1 GSR 18V-90 C Cordless Drill or Driver
- 2 Safety Instructions
- 3 Product Description and Specifications
- 4 Assembly
- 5 Operation
- 6 Maintenance and Service
- 7 Licenses
- 8 Documents / Resources
- 8.1 References

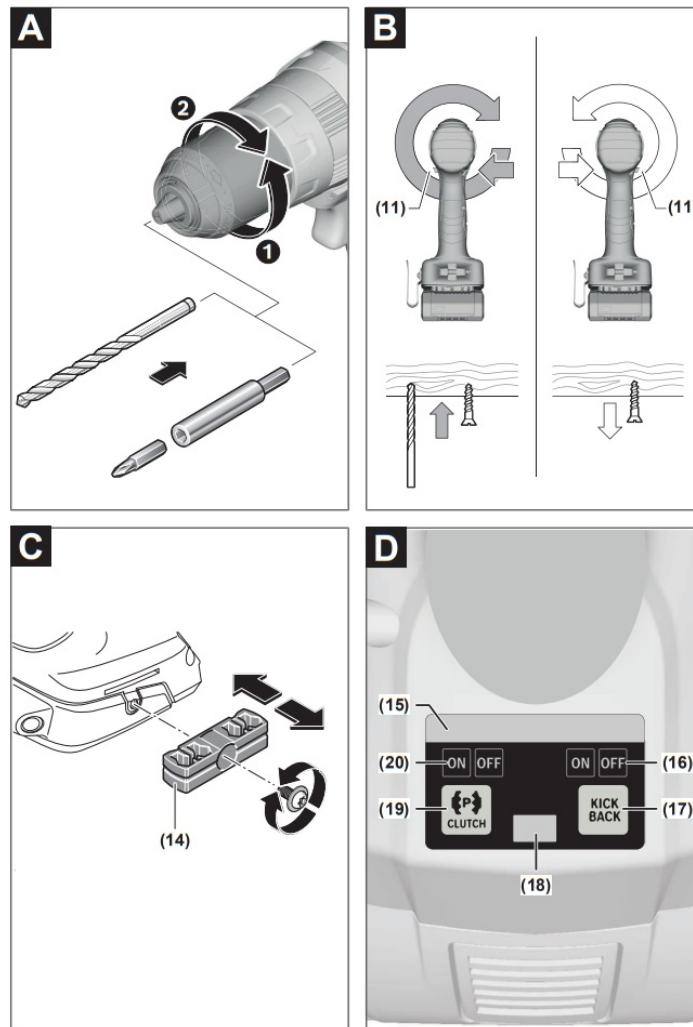
## GSR 18V-90 C Cordless Drill or Driver



**GSR 18V-90 C**



**GSB 18V-90 C**



## 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 mainsoperated (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 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.

## **Safety information for drills and screwdrivers**

### **Safety instructions for all operations**

- Wear ear protectors when impact drilling. Exposure to noise can cause hearing loss.
- 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**

- Never operate at higher speed than the maximum speed rating of the drill bit. At higher speeds, the bit is likely to bend if allowed to rotate freely without contact- ing the workpiece, resulting in personal injury.
- 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 warnings**

- Hold the power tool securely. When tightening and loosening screws be prepared for temporarily high torque reactions.
- Secure the workpiece. A workpiece clamped with clamping devices or in a vice is held more secure than by hand.
- 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.
- 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.


- Switch the power tool off immediately if the application tool becomes blocked. Be prepared for high torque

reactions which cause kickback. The application tool becomes blocked when it becomes jammed in the workpiece or when the power tool becomes overloaded.

- **Caution!** When using the power tool with Bluetooth®, 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® 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® in aircraft. Avoid using the product near your body for extended periods.

The Bluetooth® 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.



 **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.
- If you cannot close the cover, stop using the Bluetooth® module, remove the button cell and have the module repaired.

- **Only for Australia**



**Caution!** Battery is hazardous and is to be kept away from children (whether the battery is new or used). Battery can cause severe or fatal injuries in 2 hours or less if it is swallowed or placed inside any part of the body. Medical attention should be sought immediately if it is suspected the battery has been swallowed or placed inside any part of the body.

## 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 driving and loosening screws and for drilling in wood, metal, ceramic and plastic. The GSB is also designed for impact drilling in brick, masonry and stone.

With the Bluetooth® Low Energy Module GCY 42 inserted, power tool data and settings can be transferred between the power tool and a mobile device by means of Bluetooth® wireless technology.

### **Product Features**

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

<ul style="list-style-type: none"><li>(1) Tool holder</li><li>(2) Keyless chuck</li><li>(3) Torque presetting ring</li><li>(4) Operating mode presetting ring</li></ul> <b>(GSB 18V-90 C)</b> <ul style="list-style-type: none"><li>(5) Gear selector switch</li><li>(6) Belt clip <sup>a)</sup></li><li>(7) Rechargeable battery <sup>a)</sup></li><li>(8) Battery release button <sup>a)</sup></li><li>(9) User interface</li><li>(10) Bluetooth® Low Energy Module cover GCY 42</li></ul>	<ul style="list-style-type: none"><li>(11) Rotational direction switch</li><li>(12) On/off switch</li><li>(13) Handle (insulated gripping surface)</li><li>(14) Bit holder <sup>a)</sup></li></ul> <b>User interface</b> <ul style="list-style-type: none"><li>(15) Status indicator for power tool</li><li>(16) LED for KickBack Control</li><li>(17) Button for KickBack Control</li><li>(18) Worklight (LED)</li><li>(19) Button for Precision Clutch</li><li>(20) LED for Precision Clutch</li></ul>
--	--

<sup>a)</sup> **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**



<b>Cordless Drill/Driver</b>		<b>GSR 18V-90 C</b>	<b>GSB 18V-90 C</b>
Article number		3 601 JK6 0..	3 601 JK6 1..
Rated voltage	V=	18	18
<b>No-load speed <sup>A)</sup></b>			
– First gear	min <sup>-1</sup>	0–630	0–630
– Second gear	min <sup>-1</sup>	0–2100	0–2100
Impact rate	min <sup>-1</sup>	–	0–29500
Max. torque (soft) <sup>A)</sup>	Nm	36	36
Max. torque (hard) <sup>A)</sup>	Nm	64	64
<b>Max. drilling diameter</b>			
– Wood	min	68	68
– Steel	min	13	13
– Masonry	min	–	13
Tool holder	min	1.5–13	1.5–13
Max. screw diameter	min	12	12
Weight according to EPTA-Procedure 01:2014 <sup>B)</sup>	kg	1.45–2.5	1.55–2.55
Recommended ambient temperature during charging	°C	0 to +35	0 to +35
Permitted ambient temperature during operation and during storage	°C	–20 to +50	–20 to +50
Recommended rechargeable batteries		GBA 18V... ProCORE18V...	GBA 18V... ProCORE18V...
Recommended chargers		GAL 18... GAX 18... GAL 36...	GAL 18... GAX 18... GAL 36...

<sup>A)</sup> Measured at 20–25 °C with rechargeable battery GBA 18V 5.0Ah.

<sup>B)</sup> Measured with GBA 18V 1.5Ah and GBA 18V 12.0Ah.

#### **Noise/Vibration Information**

		GSR 18V-90 C	GSB 18V-90 C
Noise emission values determined according to EN 62841-2-1. The noise level when working can exceed the volume stated. Typically, the A-weighted noise level of the power tool is			
Sound pressure level	dB(A)	77	88
Sound power level	dB(A)	88	99
Uncertainty K	dB	5	5
<b>Wear hearing protection!</b>			
Vibration total values $a_h$ (triax vector sum) and uncertainty K determined according to EN 62841-2-1:			
Drilling			
$a_h$	$m/s^2$	< 2.5	< 2.5
K	$m/s^2$	1.5	1.5
Impact drilling			
$a_h$	$m/s^2$	–	11.8
K	$m/s^2$	–	1.5

The vibration level and noise emission value given in these instructions have been measured in accordance with a standardised measuring procedure and may be used to compare power tools. They may also be used for a preliminary estimation of vibration and noise emissions.

The stated vibration level and noise emission value represent the main applications of the power tool. However, if the power tool is used for other applications, with different application tools or is poorly maintained, the vibration level and noise emission value may differ. This may significantly increase the vibration and noise emissions over the total working period.

To estimate vibration and noise emissions accurately, the times when the tool is switched off or when it is running but not actually being used should also be taken into account. This may significantly reduce vibration and noise emissions over the total working period.

Implement additional safety measures to protect the operator from the effects of vibration, such as servicing the power tool and application tools, keeping their hands warm, and organising workflows correctly.

## 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.

### Inserting the Bluetooth® Low Energy Module GCY 42 (Accessory)

Read the corresponding operating instructions for information about the Bluetooth® Low Energy Module GCY 42.

### 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:** The battery is supplied partially charged. To ensure full battery capacity, fully charge the battery in the charger before using your power tool for the first time.

The lithium-ion battery can be charged at any time without reducing its service life. Interrupting the charging process does not damage the battery.

The lithium-ion battery is protected against deep discharge by the “Electronic Cell Protection (ECP)”. When the battery is discharged, the power tool is switched off by means of a protective circuit: The application tool no longer rotates.

- Do not continue to press the On/Off switch after the power tool has automatically switched off. The battery can be damaged.

Follow the instructions on correct disposal.

**Removing the Battery**

The battery (7) is equipped with two locking levels to prevent the battery from falling out when pushing the battery release button (8) unintentionally. As long as the battery is inserted in the power tool, it is held in position by means of a spring.

To remove the battery (7), press the release button (8) and pull the battery out of the power tool. Do not use force to do this.

**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.

**Note:** The state of charge of the battery is also displayed on the user interface (9) (see “Status Indications”, page 21).

**Battery model GBA 18V...**



LEDs	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...**



LEDs	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 %

## Changing the tool (see figure A)

- 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.

The drill spindle is locked when the on/off switch (12) is not pressed. This makes it possible to change the application tool in the drill chuck quickly, conveniently and easily.

Open the keyless chuck (2) by turning it in the direction of rotation ❶ until the tool can be inserted. Insert the tool. Firmly tighten the keyless chuck (2) by turning it by hand in the direction of rotation ❷. This will automatically lock the drill chuck.

### 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

### Starting Operation

#### Inserting the battery

**Note:** The use of batteries unsuitable for your power tool can lead to malfunctions or damage to the power tool. Set the rotational direction switch (11) to the middle position to avoid unintentionally switching it on. Insert the charged battery (7) into the handle until you feel it engage and it is flush with the handle.

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

The rotational direction switch (11) is used to change the rotational direction of the power tool. However, this is not possible while the on/off switch (12) is being pressed.



**Rotate clockwise:** Slide the rotational direction switch (11) on both sides until it stops in the position.



**Rotate anti-clockwise:** Slide the rotational direction switch (11) on both sides until it stops in the position.

#### Setting the operating mode

##### Drilling



##### GSR 18V-90 C

Set the torque presetting ring (3) to the "drilling" symbol.

##### GSB 18V-90 C

Set the operating mode presetting ring (4) to the "drilling" symbol.

##### Screwdriving



##### GSR 18V-90 C

Set the torque presetting ring (3) to the required torque.

##### GSB 18V-90 C

Set the operating mode presetting ring (4) to the "screwdriving" symbol.

Set the torque presetting ring (3) to the required torque.

##### Impact drilling



##### GSB 18V-90 C

Set the operating mode presetting ring (4) to the "impact drilling" symbol.

### Switching on/off

To start the power tool, press and hold the on/off switch (12).

The LED (18) lights up when the on/off switch (12) is lightly or fully pressed, meaning that the work area is illuminated in poor lighting conditions.

To switch off the power tool, release the on/off switch (12).

### Adjusting the speed

You can adjust the speed of the power tool when it is on by pressing in the on/off switch (12) to varying extents.

A light pressure on the on/off switch (12) results in a low rotational speed. Increased pressure on the switch causes an increase in speed.

### Preselecting torque (applies to screwdriving mode)

When the precision clutch is activated, you can pre-set the required torque over 20 increments using the torque presetting ring (3). Once the set torque has been reached, the application tool will be stopped. When the precision clutch is deactivated, the clutch will be released and the application tool will not be stopped.

### Mechanical gear selection

- Only operate the gear selector (5) when the power tool is not in use.

### First gear:

Low speed range; for working with a large drilling diameter or for screwdriving.

### Second gear:

High speed range; for working with a small drilling diameter.

### Temperature-dependent overload protection

When used as intended, the power tool cannot be overloaded. If the power tool is overloaded or not kept within the permitted operating temperature range, the speed is reduced or the power tool is switched off. The power tool will not run at full speed again until the permitted operating temperature has been reached.

Activation of the temperature-controlled overload protector is indicated by the LED (15) on the power tool lighting up red.

– To return to within the permitted operating temperature range, run the power tool at no load or wait until the LED (15) lights up green again.

When the LED (15) lights up green, the tool has returned to within the permitted operating temperature range.

### User Interface (see figure D)

The user interface (9) is used to activate and deactivate the precision clutch and for the “KickBack Control” rapid shutoff, as well as for the status indicator of the power tool.

### Precision Clutch



**The precision clutch stops overlocking when the set torque is reached, thereby reducing clutch wear and the resulting noise.**

The precision clutch can be deactivated on the user interface (9) with the precision clutch button (19). The current status is shown via the LED for precision clutch (20) on the user interface (9).

### 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 Kick-Back Control. The power tool will switch off if it suddenly and unforeseeably rotates around the drilling axis.**

The rapid shut-off is indicated by the LED (15) flashing red, flashing from the worklight (18) and the LED of the KickBack Control (16) lighting up red on the power tool.

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

- **It will no longer be possible to switch the power tool on if the KickBack Control function is faulty. Have the power tool serviced by a qualified repair person using only original replacement parts.**

The rapid shut-off function can be deactivated on the user interface (9) with the KickBack Control button (17). If the power tool is not used for longer than 5 minutes or if the rechargeable battery is removed, the rapid shut-off function automatically switches back on. The current status is shown via the KickBack Control LED (16) on the user interface (9).

- **Note:** The warning light of the LEDs is not visible from all directions! The warning light is difficult to see in bright sunlight.

## Status Indications

Status indicator for power tool	Meaning/cause	Solution
Green	Status OK	–
Yellow	Critical temperature has been reached, rechargeable battery is almost empty, or KickBack Control is switched off	Run the power tool at no load and allow it to cool down, replace or charge the rechargeable battery soon, or press the KickBack Control button
Illuminated red	Power tool has overheated or rechargeable battery is empty	Allow the power tool to cool down, or replace or charge the rechargeable battery
Flashing red	Rapid shut-off is triggered	Switch the power tool off and on again
Flashing blue	Power tool is connected to a mobile device or settings are being transferred	–

## Connectivity functions

In conjunction with the Bluetooth® Low Energy Module GCY 42, the following connectivity functions are available for the power tool:

- Registration and personalisation
- Status check, output of warning messages
- General information
- Management
- Switching the worklight on and off
- Setting the worklight brightness and afterglow duration
- Setting the brightness and backlight duration of the user interface

Read the corresponding operating instructions for information about the Bluetooth® Low Energy Module GCY 42.

## Practical advice

- The power tool with inserted Bluetooth® Low Energy Module GCY 42 (accessory) is equipped with a radio interface. Local operating restrictions, e.g. in aircraft or hospitals, must be observed.
- Only apply the power tool to the screw when the tool is switched off. Rotating application tools can slip off.

## Belt clip

You can use the belt clip (6) to hang the power tool on a belt, for example. You then have both hands free and the power tool is always at hand.

## 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.

### **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.

#### **Great Britain**

Robert Bosch Ltd. (B.S.C.)

P.O. Box 98

Broadwater Park

North Orbital Road

Denham Uxbridge

UB 9 5HJ

At [www.bosch-pt.co.uk](http://www.bosch-pt.co.uk) you can order spare parts or arrange the collection of a product in need of servicing or repair.

**Tel. Service:** (0344) 7360109

**E-Mail:** [boschservicecentre@bosch.com](mailto:boschservicecentre@bosch.com)

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!

#### **Only for EU countries:**

According to the Directive 2012/19/EU on waste electrical and electronic equipment and its transposition into national law, power tools that are no longer usable, and, according to the Directive 2006/66/EC, defective or drained batteries must be collected separately and disposed of in an environmentally correct manner.

If disposed incorrectly, waste electrical and electronic equipment may have harmful effects on the environment and human health, due to the potential presence of hazardous substances.

#### **Only for United Kingdom:**

According to The Waste Electrical and Electronic Equipment Regulations 2013 (SI 2013/3113) (as amended) and the Waste Batteries and Accumulators Regulations 2009 (SI 2009/890) (as amended), products that are no longer usable must be collected separately and disposed of in an environmentally friendly manner.

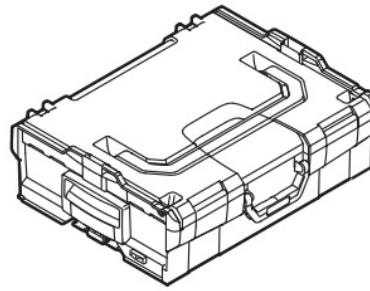
#### **Battery packs/batteries:**

##### **Li-ion:**

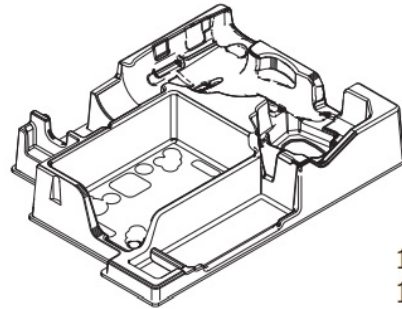
Please observe the notes in the section on transport (see "Transport", page 22).



1 600 A01 ZE2



1 600 A01 2G0  
(L-BOXX 136)



1 600 A02 K83  
1 600 A02 590

## Licenses

### Copyright © 2009–2020 ARM LIMITED

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither the name of ARM nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

### Copyright © 2015, Infineon Technologies AG

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.



- Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

#### Copyright © 2011 Petteri Aimonen

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:




1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

#### CE EU Declaration of Conformity Cordless Drill/Driver

Article number:

We declare under our sole responsibility that the stated products comply with all applicable provisions of the directives and regulations listed below and are in conformity with the following standards.

Technical file at: \*

GSR 18V-90 C GSB 18V-90 C	3 601 JK6 00 0 3 601 JK6 10 0	2006/42/EC 2014/30/EU 2011/65/EU	EN 62841-1:2015 EN 62841-2-1:2018+A11:2019 EN 55014-1:2021 EN 55014-2:2021 EN IEC 63000:2018
		 <b>BOSCH</b>	* Robert Bosch Power Tools GmbH (PT/ECS) 70538 Stuttgart GERMANY
		Henk Becker Chairman of Executive Management 	Helmut Heinzelmann Head of Product Certification 
		Robert Bosch Power Tools GmbH, 70538 Stuttgart, GERMANY Stuttgart, 20.04.2022	

**UK  
CA Declaration of Conformity**

**Cordless Drill/Driver:**

GSR 18V-90 C

GSB 18V-90 C


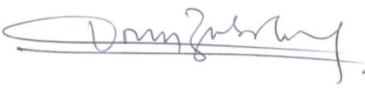

**Article number:**

3 601 JK6 000

3 601 JK6 100

We declare under our sole responsibility that the stated products comply with all applicable provisions of the regulations listed below and are in conformity with the following standards.

Technical file at: Robert Bosch Ltd. (PT/SOP-GB), Broadwater Park, North Orbital Road, Uxbridge UB9 5HJ, United Kingdom

	The Supply of Machinery (Safety) Regulations 2008 The Electromagnetic Compatibility Regulations 2016 The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 EN 62841-1:2015 EN 62841-2-1:2018+A11:2019 EN 55014-1:2021 EN 55014-2:2021 EN IEC 63000:2018
 <b>BOSCH</b>	Robert Bosch Power Tools GmbH, 70538 Stuttgart, Germany represented (in terms of the above regulations) by Robert Bosch Limited, Broadwater Park, North Orbital Road, Uxbridge UB9 5HJ, United Kingdom
Vonjy Rajakoba Managing Director – Bosch UK 	Martin Sibley Head of Sales Operations and Aftersales 
Robert Bosch Ltd. Broadwater Park, North Orbital Road, Uxbridge UB9 5HJ, United Kingdom, as authorised representative acting on behalf of Robert Bosch Power Tools GmbH, 70538 Stuttgart, Germany	
Place of issue: Uxbridge	Date of issue: 20/04/2022



**Robert Bosch Power Tools GmbH**

70538 Stuttgart

GERMANY





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

1 609 92A 6GU (2022.06) AS / 283



1 609 92A 6GU

**Documents / Resources**

	<p><b><a href="#">BOSCH GSR 18V-90 C Cordless Drill or Driver</a></b> [pdf] Instruction Manual  GSR 18V-90 C, GSB 18V-90 C, GSR 18V-90 C Professional, GSB 18V-90 C Professional, GS  R 18V-90 C Cordless Drill or Driver, Cordless Drill or Driver, Drill, Driver, Drill or Driver</p>
	<p><b><a href="#">BOSCH GSR 18V-90 C Cordless Drill or Driver</a></b> [pdf] Instruction Manual  GSR 18V-90 C, GSB 18V-90 C, GSR 18V-90 C Professional, GSB 18V-90 C Professional, GS  R 18V-90 C Cordless Drill or Driver, Cordless Drill or Driver, Drill or Driver, Drill, Driver</p>
	<p><b><a href="#">BOSCH GSR 18V-90 C Cordless Drill or Driver</a></b> [pdf] Instruction Manual  GSR 18V-90 C, GSB 18V-90 C, GSR 18V-90 C Professional, GSB 18V-90 C Professional, GS  R 18V-90 C Cordless Drill or Driver, Cordless Drill or Driver, Drill or Driver, Drill, Driver</p>
	<p><b><a href="#">BOSCH GSR 18V-90 C Cordless Drill or Driver</a></b> [pdf] Instructions  GSR 18V-90 C, GSB 18V-90 C, GSR 18V-90 C Professional, GSB 18V-90 C Professional, GS  R 18V-90 C Cordless Drill or Driver, Cordless Drill or Driver, Drill or Driver, Drill, Driver</p>

## References

-  [Invented for life | Bosch Global](#)
-  [Početna strana | Bosch u Srbiji](#)
-  [Skånevik Ølen Kraftlag AS](#)
-  [Д·Д»ДмД°Ñ.Ñ€Д¾Ñ-Д½ÑÑ.Ñ€ÑфД¼ДмД½Ñ.Д. Bosch | Bosch Professional](#)
-  [ДД»ДмД°Ñ.Ñ€Д¾Д.Д½ÑÑ.Ñ€ÑфД¼ДмД½Ñ.Ñ. Bosch | Bosch Professional](#)
-  [Bosch Power Tools | Bosch Power Tools](#)
-  [Location selection | Bosch Power Tools](#)
-  [Електроинструменти на Bosch | Електроинструменти на Bosch](#)
-  [Service worldwide](#)
-  [Elektrické náradí Bosch | Elektrické náradí Bosch](#)
-  [Bosch Elektrowerkzeuge und Zubehör | Bosch Elektrowerkzeuge](#)
-  [Bosch el-værktøj | Bosch el-værktøj](#)
-  [Bosch-sähkötyökalut | Bosch-sähkötyökalut](#)
-  [Outillage électroportatif Bosch | Outillage électroportatif Bosch](#)
-  [Ηλεκτρικά εργαλεία Bosch | Ηλεκτρικά εργαλεία Bosch](#)
-  [Bosch elektromos kéziszerszámok | Bosch elektromos kéziszerszámok](#)
-  [Elektronarzędzia Bosch | Elektronarzędzia Bosch](#)
-  [Scule electrice Bosch | Scule electrice Bosch](#)
-  [Bosch električni alati | Bosch električni alati](#)
-  [bosch-pt.ru](#)
-  [Elektrické náradie Bosch | Elektrické náradie Bosch](#)
-  [Invented for life | Bosch Global](#)
-  [Ana Sayfa | Bosch Türkiye](#)
-  [Početna | Bosch u Hrvatskoj](#)
-  [Domov | Bosch v Sloveniji](#)
-  [herramientasbosch.net](#)
-  [Serwis elektronarzędzi Bosch | Bosch Professional](#)

