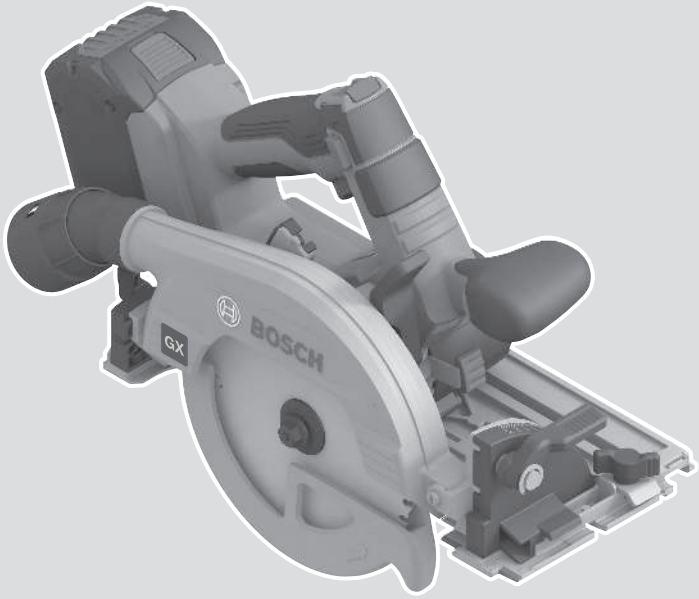
BOSCH

# Professional HEAVY DUTY

## GKS 18V-57-2 GX




**Robert Bosch Power Tools GmbH**
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GERMANY

**www.bosch-pt.com**

**1 609 92A 976** (2025.11) O / 23

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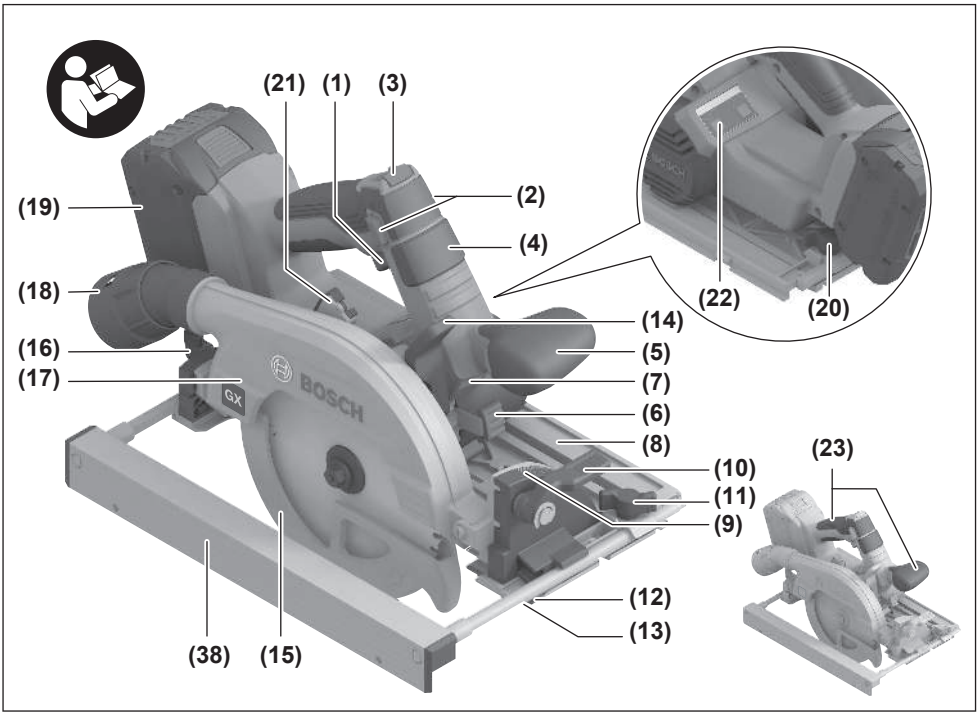
**en** Original instructions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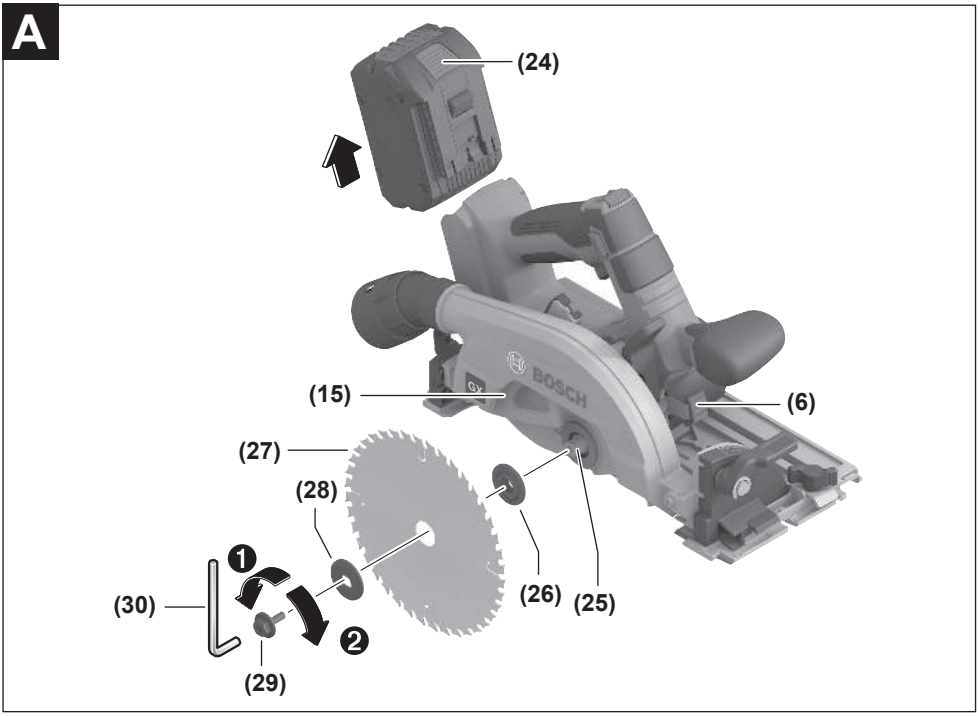
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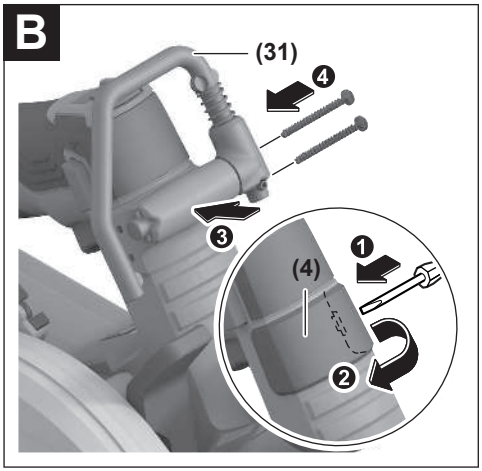
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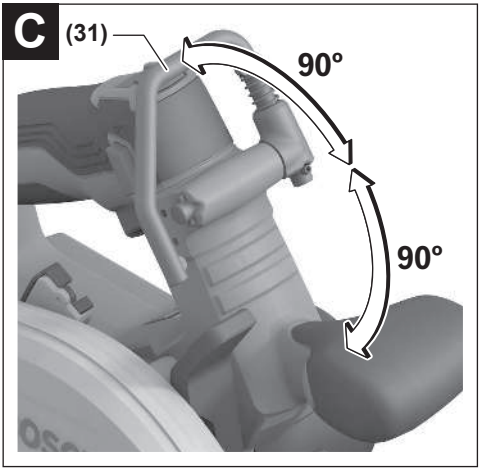
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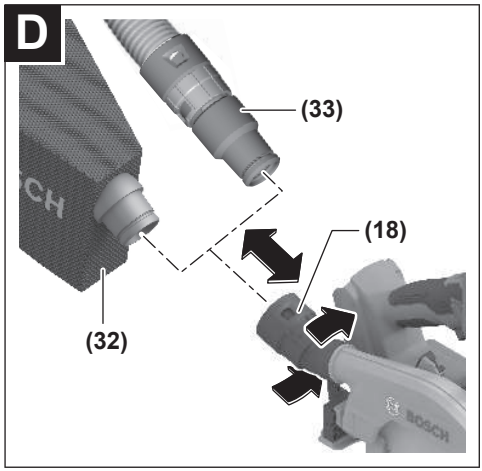
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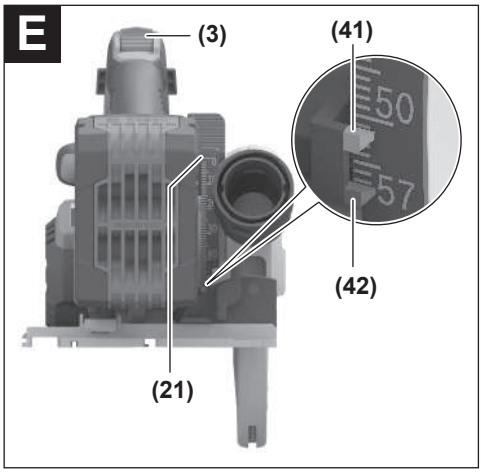
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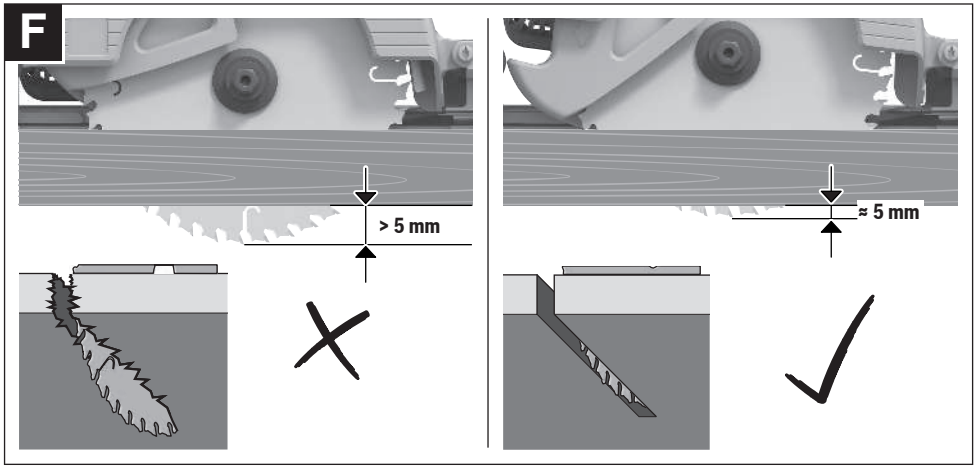
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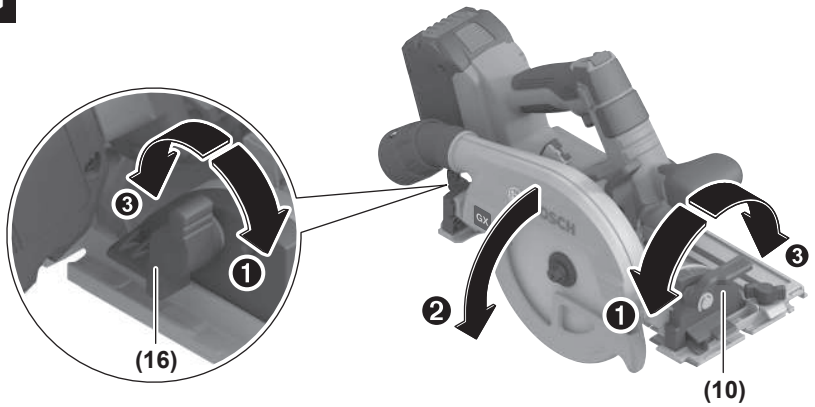
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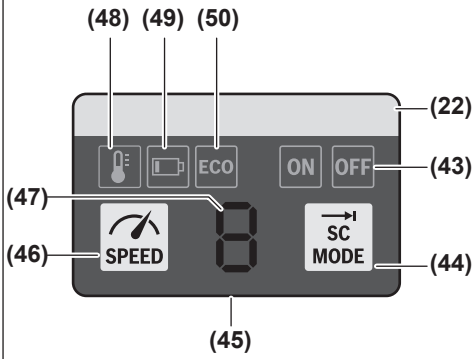
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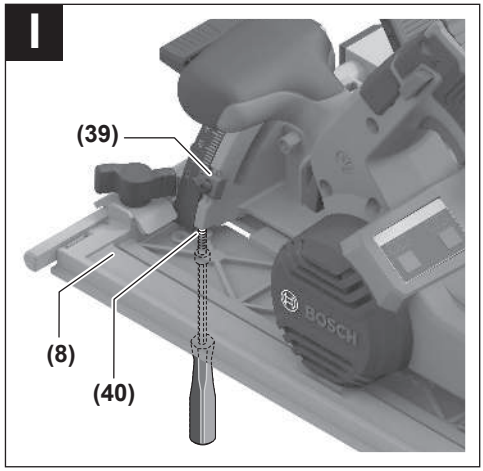
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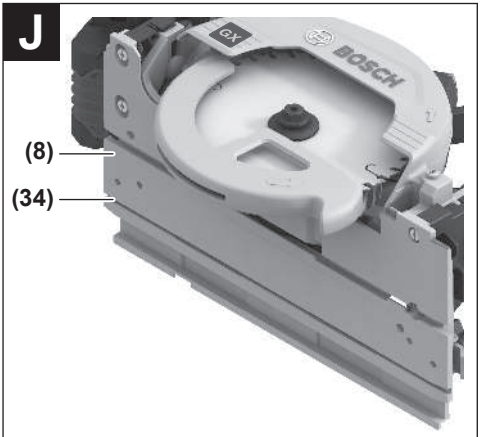
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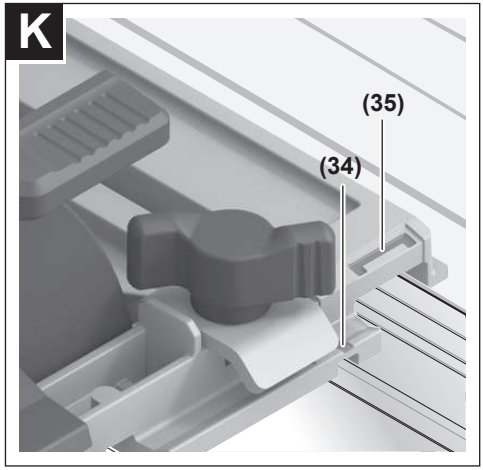
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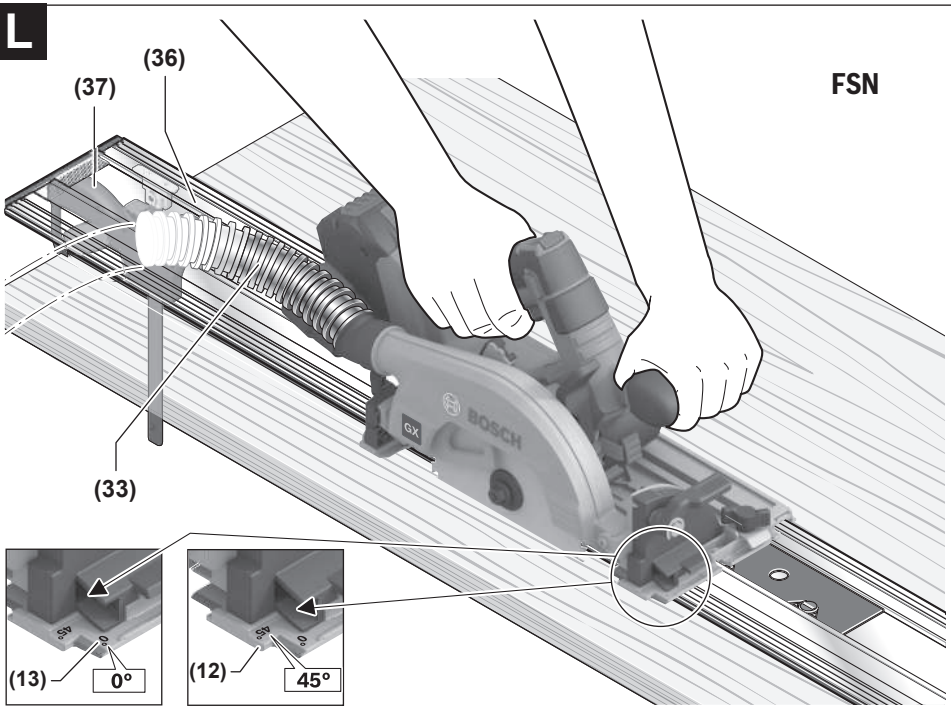


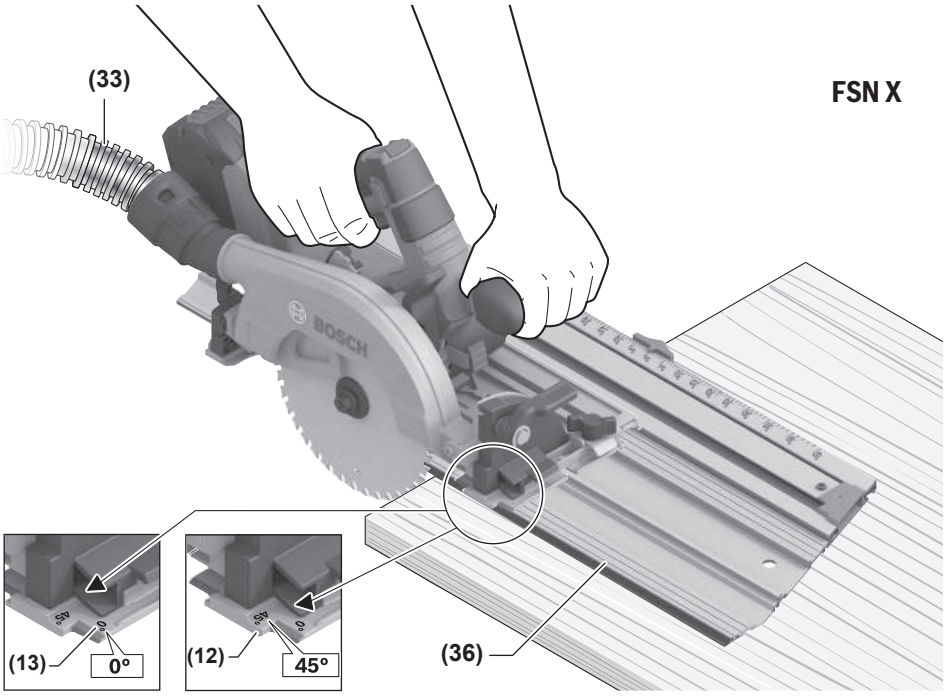

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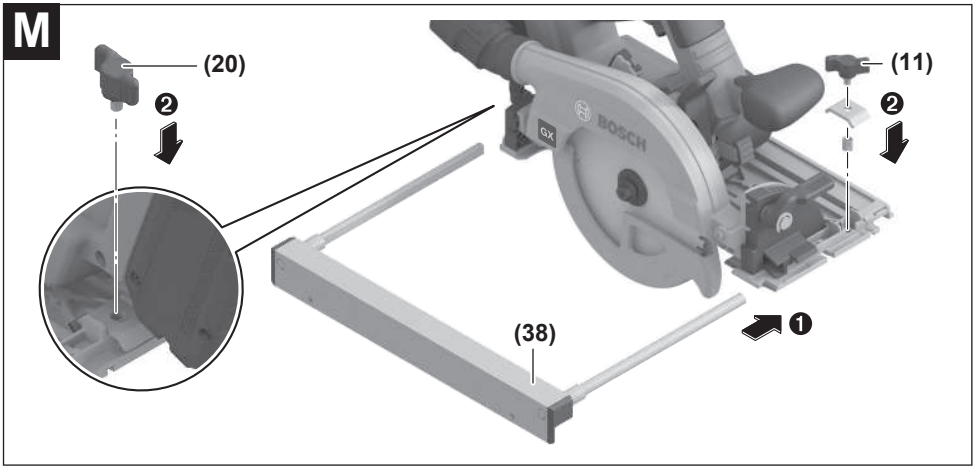


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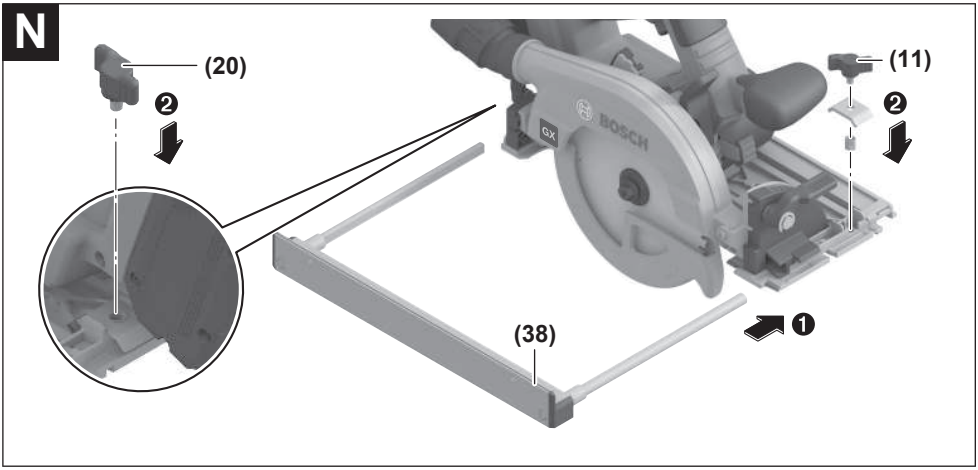


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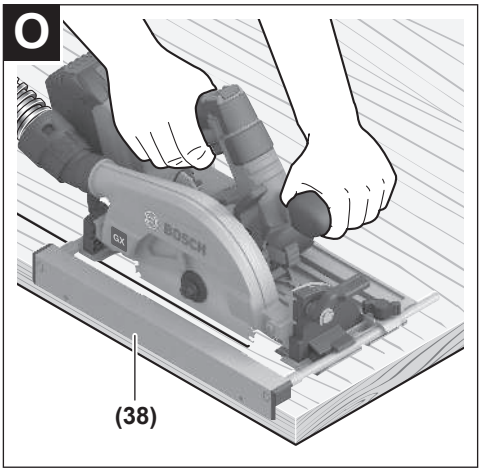


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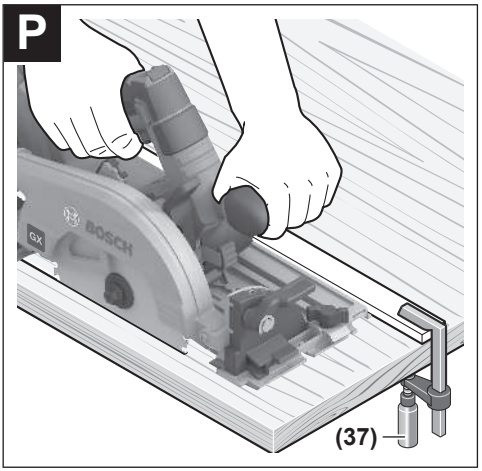


# English

## 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**

- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase 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 instructions for circular saws

**Cutting procedures**

- ▶ **DANGER: Keep hands away from cutting area and the blade. Keep your second hand on auxiliary handle, or motor housing.** If both hands are holding the saw, they cannot be cut by the blade.
- ▶ **Do not reach underneath the workpiece.** The guard cannot protect you from the blade below the workpiece.
- ▶ **Adjust the cutting depth to the thickness of the workpiece.** Less than a full tooth of the blade teeth should be visible below the workpiece.
- ▶ **Never hold the workpiece in your hands or across your leg while cutting. Secure the workpiece to a stable platform.** It is important to support the work properly to minimise body exposure, blade binding, or loss of control.
- ▶ **Hold the power tool by insulated gripping surfaces, when performing an operation where the cutting tool may contact hidden wiring.** Contact with a "live" wire will also make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- ▶ **When ripping always use a rip fence or straight edge guide.** This improves the accuracy of cut and reduces the chance of blade binding.
- ▶ **Always use blades with correct size and shape (diamond versus round) of arbour holes.** Blades that do not match the mounting hardware of the saw will run off-centre, causing loss of control.
- ▶ **Never use damaged or incorrect blade washers or bolt.** The blade washers and bolt were specially designed for your saw, for optimum performance and safety of operation.

**Kickback causes and related warnings**

- kickback is a sudden reaction to a pinched, jammed or misaligned saw blade, causing an uncontrolled saw to lift up and out of the workpiece toward the operator;

- when the blade is pinched or jammed tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator;

- if the blade becomes twisted or misaligned in the cut, the teeth at the back edge of the blade can dig into the top surface of the wood causing the blade to climb out of the kerf and jump back toward the operator.

Kickback is the result of saw misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

- ▶ **Maintain a firm grip with both hands on the saw and position your arms to resist kickback forces. Position your body to either side of the blade, but not in line with the blade.** Kickback could cause the saw to jump backwards, but kickback forces can be controlled by the operator, if proper precautions are taken.
- ▶ **When blade is binding, or when interrupting a cut for any reason, release the trigger and hold the saw motionless in the material until the blade comes to a complete stop. Never attempt to remove the saw from the work or pull the saw backward while the blade is in motion or kickback may occur.** Investigate and take corrective actions to eliminate the cause of blade binding.
- ▶ **When restarting a saw in the workpiece, centre the saw blade in the kerf so that the saw teeth are not engaged into the material.** If a saw blade binds, it may walk up or kickback from the workpiece as the saw is restarted.
- ▶ **Support large panels to minimise the risk of blade pinching and kickback.** Large panels tend to sag under their own weight. Supports must be placed under the panel on both sides, near the line of cut and near the edge of the panel.
- ▶ **Do not use dull or damaged blades.** Unsharpened or improperly set blades produce narrow kerf causing excessive friction, blade binding and kickback.
- ▶ **Blade depth and bevel adjusting locking levers must be tight and secure before making the cut.** If blade adjustment shifts while cutting, it may cause binding and kickback.

- ▶ **Use extra caution when sawing into existing walls or other blind areas.** The protruding blade may cut objects that can cause kickback.

**Lower guard function**

- ▶ **Check the lower guard for proper closing before each use. Do not operate the saw if the lower guard does not move freely and close instantly. Never clamp or tie the lower guard into the open position.**If the saw is accidentally dropped, the lower guard may be bent. Raise the lower guard with the retracting handle and make sure it moves freely and does not touch the blade or any other part, in all angles and depths of cut.
- ▶ **Check the operation of the lower guard spring. If the guard and the spring are not operating properly, they must be serviced before use.** Lower guard may operate sluggishly due to damaged parts, gummy deposits, or a build-up of debris.
- ▶ **The lower guard may be retracted manually only for special cuts such as "plunge cuts" and "compound cuts". Raise the lower guard by the retracting handle and as soon as the blade enters the material, the lower guard must be released.**For all other sawing, the lower guard should operate automatically.
- ▶ **Always observe that the lower guard is covering the blade before placing the saw down on bench or floor.**An unprotected, coasting blade will cause the saw to walk backwards, cutting whatever is in its path. Be aware of the time it takes for the blade to stop after switch is released.

**Additional safety warnings**

- ▶ **Do not allow the chip ejector to come into contact with your hands.** You may be injured by rotating parts.
- ▶ **Do not use the saw above the level of your head.** Doing so will mean you have inadequate control of the power tool.
- ▶ **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.
- ▶ **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.
- ▶ **Do not operate the power tool when stationary .** It is not suitable for operation with a saw table.
- ▶ **When performing plunge cuts which are not right-angled, secure the guide plate of the saw so that it will not shift sideways.**In the event of a sideways shift, the saw blade may become jammed, which could lead to kickback.
- ▶ **Secure the workpiece.** A workpiece clamped with clamping devices or in a vice is held more secure than by hand.
- ▶ **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.
- ▶ **Do not use HSS saw blades.** Such saw blades can easily break.
- ▶ **Do not saw any ferrous metals.** Hot chips may ignite the dust extractor.
- ▶ **Wear a dust mask.**
- ▶ **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 modify or 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 in the manufacturer's products.** 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.

# 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 making straight cuts in wood with and against the grain and mitre cuts in wood while resting firmly against the workpiece.

## Product features

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

**(1)** On/off switch
**(2)** Lock-off function for On/Off switch
**(3)** Button for cutting depth preselection
**(4)** Cover for utility hook
**(5)** Auxiliary handle
**(6)** Spindle lock button
**(7)** Worklight
**(8)** Base plate

**(9)** Scale for mitre/bevel angles
**(10)** Clamping lever for mitre/bevel angle preselection
**(11)** Wing bolt for parallel guide (front)
**(12)** 45° cut mark
**(13)** 0° cut mark
**(14)** Adjusting lever for retracting blade guard
**(15)** Retracting blade guard
**(16)** Wing bolt for mitre/bevel angle preselection
**(17)** Protective guard
**(18)** Chip ejector
**(19)** Rechargeable battery[a)]
**(20)** Wing bolt for parallel guide (rear)
**(21)** Cutting depth scale
**(22)** User interface
**(23)** Handle (insulated gripping surface)
**(24)** Battery release button[a)]
**(25)** Saw spindle
**(26)** Mounting flange
**(27)** Circular saw blade[a)]
**(28)** Clamping flange
**(29)** Clamping bolt with washer
**(30)** Hex key
**(31)** Utility hook[a)]
**(32)** Dust/chip box[a)]
**(33)** Extraction hose[a)]
**(34)** Groove for Bosch and Mafell guide rail systems
**(35)** Groove for Festool and Makita guide rail systems
**(36)** Guide rail[a)]
**(37)** Pair of screw clamps[a)]
**(38)** Parallel guide
**(39)** Mitre/bevel angle scale marking
**(40)** Screw for adjusting the mitre/bevel angle scale marking
**(41)** White scale marking on the cutting depth scale for cutting with a guide rail
**(42)** Red scale marking on the cutting depth scale for cutting without a guide rail
**(43)** Stop Control on/off indicator (user interface)
**(44)** Stop Control on/off button (user interface)
**(45)** Power tool status indicator (user interface)
**(46)** Speed preselection button (user interface)
**(47)** Speed setting/mode indicator (user interface)
**(48)** Temperature indicator (user interface)
**(49)** Battery charge indicator (user interface)
**(50)** ECO mode indicator (user interface)

a) **This accessory is not part of the standard scope of delivery.**

## Technical data

| Circular Saw | | GKS 18V-57-2 GX |
|---|---|---|
| Article number | | **3 601 FC1 0..** |
| Rated voltage | V⎓ | 18 |
| Rated no-load speed[A)] | $min^{-1}$ | 5000 |
| Max. cutting depth | | |
| – At a 0° mitre/bevel angle | mm | 57 |
| – At a 45° mitre/bevel angle | mm | 42 |
| Spindle lock | | ● |
| Base plate dimensions | mm | 164 x 305 |
| Saw blade diameter | mm | 165 |
| Max. base blade thickness | mm | 1.8 |
| Min. base blade thickness | mm | 0.9 |
| Locating bore | mm | 20 |
| Weight[B)] | kg | 3.4 |
| Recommended ambient temperature during charging | °C | 0 to +35 |
| Permitted ambient temperature during operation[C)] and during storage | °C | –20 to +50 |
| Compatible rechargeable batteries | | GBA18V...<br>GBA 18V...<br>ProCORE18V...<br>EXPERT18V...<br>EXBA18V...<br>CORE18V... |
| Recommended rechargeable batteries for maximum performance | | GBA 18V...<br>≥ 2.0 Ah<br>ProCORE18V...<br>≥ 4.0 Ah<br>EXPERT18V... |
| Recommended battery chargers | | GAL18...<br>GAL 18...<br>GAL 36...<br>GAL12V/18..<br>GAL 12V/18...<br>GAX 18...<br>EXAL18... |

A) Measured at 20–25 °C with rechargeable battery **GBA 18V 5.5Ah**
B) Without rechargeable battery (you can find the battery weight at www.bosch-professional.com)
C) Limited performance at temperatures < 0 °C

Values can vary depending on the product, scope of application and environmental conditions. To find out more, visit www.bosch-professional.com/wac.

## Noise/vibration information

Noise emission values determined according to **EN 62841-2-5**.

Typically, the A-weighted noise level of the power tool is: Sound pressure level **96** dB(A); sound power level **104** dB(A). Uncertainty K = **3** dB.

**Wear hearing protection!**

Vibration values $a_h$ (continuous vibrations), $p_F$ (repeated shock vibrations) and uncertainty K determined according to **EN 62841-2-5**:

Cutting wood: $a_{h,W}$ = **2.5** m/s$^2$ (K = **1.5** m/s$^2$),
$p_{F,W}$ = **204** m/s$^2$ (K = **35.0** m/s$^2$)

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 accessories 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 accessories, keeping their hands warm, and organising workflows correctly.

# 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

Note: Not all battery types have a 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 On 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 (see "Status indications", page 15).

**Rechargeable battery type GBA 18V... | GBA18V...**


| 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... | EXPERT18V... | EXBA18V... | CORE18V...**

| 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 % |

## Battery defect risk detection

**EXPERT18V... | EXBA18V...**

In addition to the state of charge of the rechargeable battery, the LEDs on the battery charge indicator can also indicate the risk of a battery defect.

To activate the function, press and hold the button for the battery charge indicator for 3 seconds. The analysis of the battery is signalled by a moving light on the battery charge indicator. The result of is shown on the battery charge indicator.

**1 LED:** The rechargeable battery has a high defect risk. Performance and runtime may already be reduced. Replacing the rechargeable battery is recommended.

**5 LEDs:** The rechargeable battery is in good condition and has a low defect risk.

**Please note:** The rechargeable battery defect risk assessment works in a binary manner and offers a simplified status assessment, indicating either that the rechargeable battery is in good condition or that the rechargeable battery has an increased defect risk. A percentage of the battery status is not shown.

### 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.

## Fitting

▶ **Only use saw blades the maximum permitted speed of which is higher than the no-load speed of the power tool.**

### Inserting/changing the circular saw blade

▶ **Before carrying out any work on the power tool (e.g. maintenance, tool change etc.), remove the battery from the power tool.** There is risk of injury from unintentionally pressing the on/off switch.

▶ **Wear protective gloves when fitting the saw blade.** Danger of injury when touching the saw blade.

▶ **Do not use abrasive wheels as the application tool under any circumstances.**

▶ **Only use saw blades that match the specifications given in this operating manual and that are tested and marked in accordance with EN 847-1**

**Asia/Africa/Latin America**

▶ **Only use saw blades that match the specifications given in this operating manual and on the power tool.**

**Selecting the saw blade**

You will find an overview of recommended saw blades at the end of these operating instructions.

**Removing the Saw Blade (see figure A)**

To change tools, we recommend that you place the power tool down on the front side of the motor housing.

– Press and hold the spindle lock button **(6)**.

▶ **Do not press the spindle lock button (6) while the saw spindle is moving.** The power tool may become damaged if this happens.

– Use the hex key **(30)** to undo the clamping bolt **(29)** in rotational direction ❷.

– Swing the retracting blade guard **(15)** back and hold on to it firmly.

– Remove the clamping flange **(28)** and the saw blade **(27)** from the saw spindle **(25)**.

**Fitting the saw blade (see figure A)**

To change tools, we recommend that you place the power tool down on the front side of the motor housing.

– Clean the saw blade **(27)** and all the clamping elements to be fitted.

– Swing the retracting blade guard **(15)** back and hold on to it firmly.

– Place the saw blade **(27)** on the mounting flange **(26)**. The cutting direction of the teeth (direction of the arrow on the saw blade) must match the rotational direction of the arrow on the retracting blade guard **(15)**.

– Attach the clamping flange **(28)** and screw in the clamping bolt **(29)** in rotational direction ❷. Ensure that the mounting flange **(26)** and clamping flange **(28)** are installed in the correct position.

– Press and hold the spindle lock button **(6)**.

– Use the hex key **(30)** to tighten the clamping bolt **(29)** in rotational direction ❷. The tightening torque should be 6–9 Nm, which corresponds to hand-tight plus ¼ turn.

### Mounting the utility hook (see figures B–C)

Using a screwdriver, lever out the cover **(4)** from the recess on the side. Mount the utility hook **(31)** and secure it with two screws. Tighten the screws with a torque of 1.8–2 Nm. The utility hook **(31)** can be swivelled.

### Dust/Chip Extraction

Do not perform work without taking dust-reducing measures.

Using a suitable dust extraction attachment or a dust box/dust bag will reduce exposure to harmful dust. Provide good ventilation at the workplace. Always use suitable breathing protection. If you are using a dust box, empty it in good time and clean the filter element regularly to ensure optimal dust extraction.

If you are using a dust extractor, refer to the requirements listed below. The regulations on the material being machined that apply in the country of use must be observed.

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

| Requirements for the Dust Extractor | | |
|---|---|---|
| Recommended hose nominal diameter | mm | **35** |
| Required vacuum pressure[A)] | mbar<br>hPa | ≥ **230**<br>≥ **230** |
| Required flow rate[A)] | l/s<br>$m^3/h$ | ≥ **36**<br>≥ **129.6** |
| Recommended filter efficiency | | Dust class M[B)] |

A) Power value at the power tool's dust extractor connection

B) According to IEC/EN 60335-2-69

Refer to the dust extractor's instructions. If there is reduced suction power, stop working and eliminate the cause.

**Chip ejector (see figure D)**

The chip ejector **(18)** can turn freely.

An extraction hose with a diameter of 35 mm or a dust/chip box **(32)** can be connected to the chip ejector **(18)**.

To ensure optimum extraction, the chip ejector **(18)** must be cleaned regularly.

**External dust extraction**

Connect the extraction hose **(33)** to a dust extractor (accessory). You will find an overview of connecting to various dust extractors at the end of these operating instructions.

The dust extractor must be suitable for the material being worked.

When extracting dry dust that is especially detrimental to health or carcinogenic, use a special dust extractor.

# Operation

▶ **Before carrying out any work on the power tool (e.g. maintenance, tool change etc.), remove the battery from the power tool.** There is risk of injury from unintentionally pressing the on/off switch.

## Operating modes

**Adjusting the Cutting Depth (see figures E–F)**

▶ **Adapt the cutting depth to the thickness of the workpiece**. A space of less than the height of one full tooth should be visible under the workpiece.

The cutting depth can be set using the button for cutting depth preselection **(3)**.

For a smaller cutting depth, pull the saw away from the base plate **(8)**; for a larger cutting depth, push the saw towards the base plate **(8)**. Set the required cutting depth on the scale **(21)**.

**Note:** Use the white scale marking **(41)** on the cutting depth scale **(21)** for making cuts with a guide rail and the red scale marking **(42)** for making cuts without a guide rail.

**Adjusting the Mitre/Bevel Angle (see figure G)**

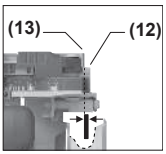
We recommend that you place the power tool down on the front side of the protective guard **(17)**.

Loosen the clamping lever for preselecting the mitre-bevel angle **(10)** and wing bolt **(16)**. Swivel the saw to the side. Set the required mitre/bevel angle on the scale **(9)**. Retighten the adjusting lever **(10)** and wing bolt **(16)**.

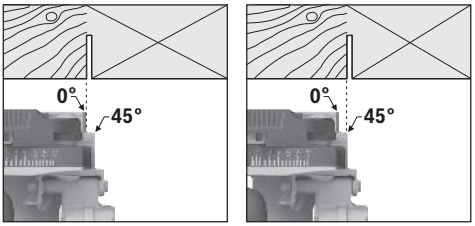
To move the saw back into its original position, loosen the clamping lever for preselecting the mitre/bevel angle **(10)** and wing bolt **(16)**. Move the saw to the 0° position and retighten the clamping lever and the wing bolt without applying pressure to the saw.

**Note:** When making mitre cuts, the cutting depth is less than the value shown on the cutting depth scale **(21)**.

**Cut Marks**




The 0° cut mark **(13)** indicates the position of the saw blade when making a right-angled cut. The 45° cut mark **(12)** indicates the position of the saw blade when making a 45° cut.




Use the left edge of the cut mark as a guide to make the cut, as shown in the figure. In this case, the waste piece is on the right-hand side. We recommend making a test cut.

## Start-up

**Switching on/off**

▶ **Make sure that you are able to press the On/Off switch without releasing the handle.**

To **start** the power tool, first press the lock-off switch **(2)**, **then** press and hold the on/off switch **(1)**.

To **switch off** the power tool, release the on/off switch **(1)**.

**Note:** For safety reasons, the on/off switch **(1)** cannot be locked; it must remain pressed during the entire operation.

**Switching on the LED worklight**

The lamp **(7)** lights up when the on/off switch **(1)** is lightly or fully pressed, meaning that the work area is illuminated in poor lighting conditions.

**Run-out brake**

An integrated run-out brake shortens the time the saw blade keeps running for after the power tool has been switched off.

**User Interface (see figure H)**

The user interface **(22)** is used to preselect the speed, to activate the Stop Control safety function and to indicate the status of the power tool.

**Stop Control**

If the Stop Control function is activated, the power tool will automatically stop as soon as the cut is finished (i.e. as soon as the saw blade leaves the workpiece), even if the on/off switch **(1)** is still being pressed. The Stop Control function is switched off by default. To switch on the function, press the button **(44)** on the user interface **(22)**.

**Please note:** The function may not trigger when making cuts at a low speed, at a low feed rate or with thin materials.

**Kickback stop**


If there is a sudden kickback in the power tool, e.g. jamming during cutting, the power supply to the motor will be interrupted electronically. The worklight **(7)** then flashes white and the status indicator **(45)** flashes red.

To restart the tool, set the on/off switch **(1)** to the off position and then switch the power tool on again.

**ECO mode**

If the power tool is operated in the energy-saving ECO mode, the battery life may be up to 10 % longer.

If the ECO mode is active, the symbol **E** is shown on the speed setting/mode indicator **(47)**. In addition, the ECO mode indicator **(50)** lights up.

**Speed preselection**

Three speed settings and ECO mode are preset.

The following table shows the speed settings and the corresponding speeds.

| Speed setting | Speed [min$^{-1}$] |
|---|---|
| **1** | 2500 |
| **2** | 3750 |
| **3** | 5000 |
| **ECO** | 3000$^{A)}$ |

A) ±25 %

You can use the button for speed preselection **(46)** to preselect the required speed, even during operation.

**Status indications**

| Battery charge indicator (user interface) (49) | Meaning/cause | Solution |
|---|---|---|
| Green | Battery charged | – |
| Yellow | Battery almost empty | Replace or charge battery soon |
| Red | Battery empty | Replace or charge battery |

| Temperature indicator (48) | Meaning/cause | Solution |
|---|---|---|
| Yellow | Critical temperature has been reached (motor, electronics, battery) | Run the power tool at no load and allow it to cool down |
| Red | Power tool is overheated and will switch off | Leave the power tool to cool down |

| Power tool status indicator (45) | Meaning/cause | Solution |
|---|---|---|
| Green | Status OK | – |
| Yellow | Critical temperature has been reached or rechargeable battery is almost empty | Run the power tool at no load and allow it to cool down, or replace or charge the battery soon |
| Red | Power tool has overheated or battery is empty | Allow the power tool to cool down, or replace or charge the battery |
| Flashing red | Kickback shutdown has been triggered | Turn the power tool off and on again; if necessary, remove the battery and reinsert it. |

## Practical advice

- ▶ **Before carrying out any work on the power tool (e.g. maintenance, tool change etc.), remove the battery from the power tool.** There is risk of injury from unintentionally pressing the on/off switch.

The width of cut varies depending on the saw blade used.

Protect saw blades against shock and impact.

Guide the power tool evenly, pushing it gently in the cutting direction in order to achieve a high cut quality. Applying too much pressure will significantly reduce the service life of application tools and can damage the power tool.

Always work with uniform feed and ensure that the speed of the saw blade stays constant. Avoid increasing pressure (e.g. when working with damp wood, pressure-treated construction timber or waste wood) and the resulting speed reduction in order to prevent the saw blade teeth from overheating.

The sawing performance and the quality of the cut essentially depend on the condition and the tooth shape of the saw blade. This is why you should only use sharp saw blades that are suitable for the material being machined.

When starting or continuing a sawing process, centre the saw blade in the sawing gap and ensure that the saw teeth are not caught in the workpiece. This prevents kickback or the saw blade moving out of the workpiece.

**Sawing wood**

Choosing the right saw blade depends on the wood type, wood quality and whether cuts with or against the grain are required.

Making cuts in spruce with the grain produces long, spiral-shaped chips.

Beech and oak dust is especially detrimental to health. Therefore, work only with dust extraction.

**Using the Guide Rail (see figure J)**

The narrow groove **(34)** integrated into the base plate **(8)** can be used for the guide rails shown on the accessories page.

**Sawing with a Guide Rail (see figures K–L)**

You can use the guide rail **(36)** to produce straight cuts.

The rubber lip on the guide rail acts as an anti-splinter guard, which prevents the surface from splintering when sawing wooden materials. To fulfil this function, the saw blade must be positioned with its teeth right up against the rubber lip.

Before making the first cut with the guide rail **(36)**, the rubber lip must be adapted to the circular saw used. To do so, position the guide rail **(36)** along the entire length of a workpiece. Set a cutting depth of approx. 9 mm and a right-angled mitre/bevel angle. Switch on the circular saw and guide it evenly, pushing it gently in the cutting direction.

The groove **(34)** is suitable for guide rail systems from Bosch and Mafell.

The groove **(35)** is suitable for guide rail systems from Festool and Makita.

The screw clamp **(37)** can be inserted into the groove of the guide rail **(36)**.

**Sawing with the Parallel Guide (see figures M–O)**

The parallel guide **(38)** allows you to make precise cuts along the edge of a workpiece and cut strips with the same dimensions.

Slide the guide rods on the parallel guide **(38)** through the guides in the base plate **(8)**. Attach the wing bolts **(11)** on both sides as shown in the figure, then screw in the wing bolts**(11)** without fully tightening them.

Set the required cutting width as a scale value at the corresponding cut mark **(13)** or **(12)**, Cut marks. Then tighten the wing bolts **(11)**.

**Note:** To enlarge the base plate **(8)**, fit the parallel guide **(38)** rotated by 180° (see figure **N**).

**Sawing with an auxiliary guide (see figure P)**

For working on large workpieces or for cutting straight edges, you can securely fasten a board or rail to the workpiece as an auxiliary guide. The circular saw can be guided along the path of this auxiliary guide with the base plate.

**Utility hook (see figure C)**

Your power tool is equipped with a utility hook **(31)** for hanging it to a ladder, for example. Simply fold out the utility hook **(31)** to the required position.

- ▶ **When the power tool is hanging by the utility hook, ensure that the saw blade is protected against unintended contact in order to prevent injury.**

Fold the utility hook **(31)** in again when you want to begin work with the power tool.

**Adjusting the Scale Marking for the Mitre/Bevel Angle (see figure I)**

After intensive or prolonged use of the power tool, it may be necessary to adjust the scale marking for the mitre/bevel angle **(39)**. To do this, screw in or unscrew the screw **(40)** until the saw blade is at a 90° angle to the base plate **(8)**. Use the screw **(40)** to align the red scale marking **(39)** with the zero point on the scale **(9)**.

# Maintenance and Service

## Maintenance and Cleaning

- ▶ **Before carrying out any work on the power tool (e.g. maintenance, tool change etc.), remove the battery from the power tool.** 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.**

The retracting blade guard must always be able to move freely and retract automatically. It is therefore important to keep the area around the retracting blade guard clean at all times. Remove dust and chips with a paintbrush.

Non-coated saw blades can be protected against corrosion using a thin layer of acid-free oil. Remove the oil again before sawing as failure to do so will stain the wood.

Resin or glue residue on the saw blade has a detrimental effect on the quality of the cut. You should therefore clean saw blades straight after use.

## After-Sales Service and Application Service

**Australia**
Phone: (01300) 307044

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

**GB Importer:**
Robert Bosch Ltd.
Broadwater Park
North Orbital Road
Uxbridge
UB9 5HJ

**India**
Phone: (044) 64561816

**Israel**
Tel. 03-9630050

**Korea**
Tel.: 080-955-0909 (Hotline)

**Malaysia**
Tel.: (03) 79663194

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

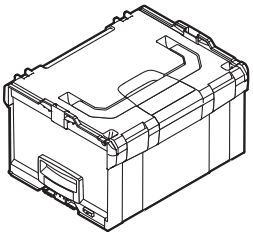
## Disposal

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

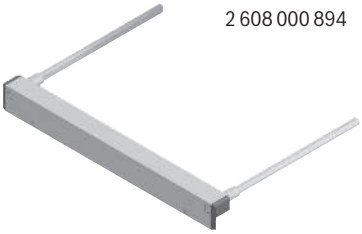
Do not dispose of power tools and batteries/rechargeable batteries into household waste!

**Only for EU countries and United Kingdom:**

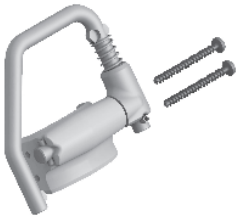
Electrical and electronic equipment or used batteries that are no longer suitable for use must be collected separately and disposed of in an environmentally friendly manner. Use the designated collection systems. Incorrect disposal may cause harmful effects on the environment and human health, due to the potential presence of hazardous substances.



1 600 A01 2G2
(L-BOXX 238)



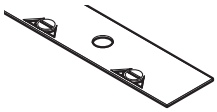
2 608 000 894



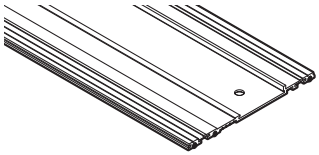
2 608 000 816

1 600 A00 1F8


2 608 000 696

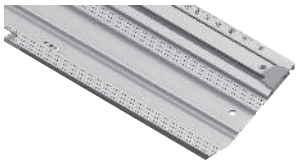


1 600 Z00 009



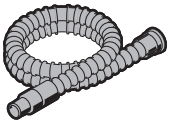
FSN

1 600 Z00 005 (800 mm)
1 600 Z00 006 (1100 mm)
1 600 Z00 00F (1400 mm)
1 600 Z00 007 (1600 mm)
1 600 Z00 008 (2100 mm)
1 600 Z00 00A (3100 mm)



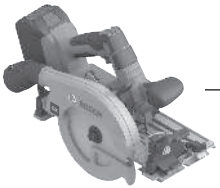
FSN X

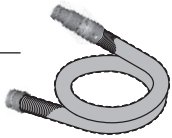
1 600 A02 V3R (FSN 300 X)
1 600 A02 V3S (FSN 440 X)
1 600 A02 V3T (FSN 740 X)



Ø 28 mm:
2 608 000 772 (3.2 m)

GAS 18V-12 MC

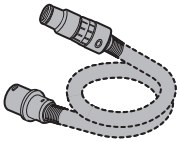




Ø 28 mm:
2 608 000 885 (4 m)

GAS 12-40 MA

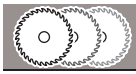
GAS 35 M AFC



Ø 22 mm:
2 608 000 567 (5 m)
Ø 35 mm:
2 608 000 565 (5 m)

GAS 55 M AFC

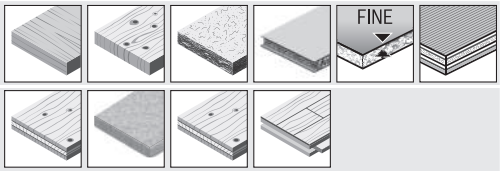

Ø 22 mm:
2 608 000 568 (5 m)
Ø 35 mm:
2 608 000 566 (5 m)



## Expert ✦✦✦✦

SPECIALLY DESIGNED FOR

expert for **Wood**

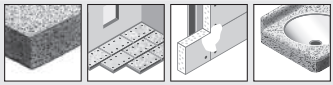



SPECIALLY DESIGNED FOR

expert for **LaminatedPanel**


SPECIALLY DESIGNED FOR

expert for **FiberCement**



## Standard ✦✦✦

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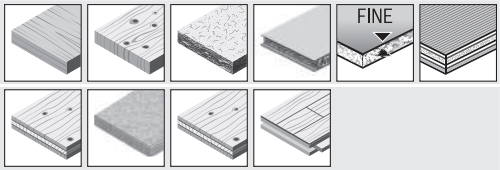
standard for **Wood**



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## Legal Information and Licenses

**1- Open Source Components**

1.1 - Infineon TLE Library, 1.2.4

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1.2 - ARM CMSIS DSP, 1.4.1

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1.3 - ARM CMSIS Cortex-M Core, 3.20

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1.4 - NanoPb, 0.3.9.9

Zlib

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