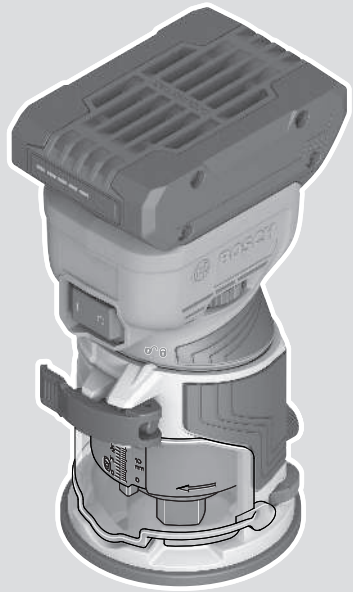
BOSCH

# Professional HEAVY DUTY

## GKF 18V-8



**Robert Bosch Power Tools GmbH**
70538 Stuttgart
GERMANY

**www.bosch-pt.com**

**1 609 92A 8BM** (2025.11) O / 25

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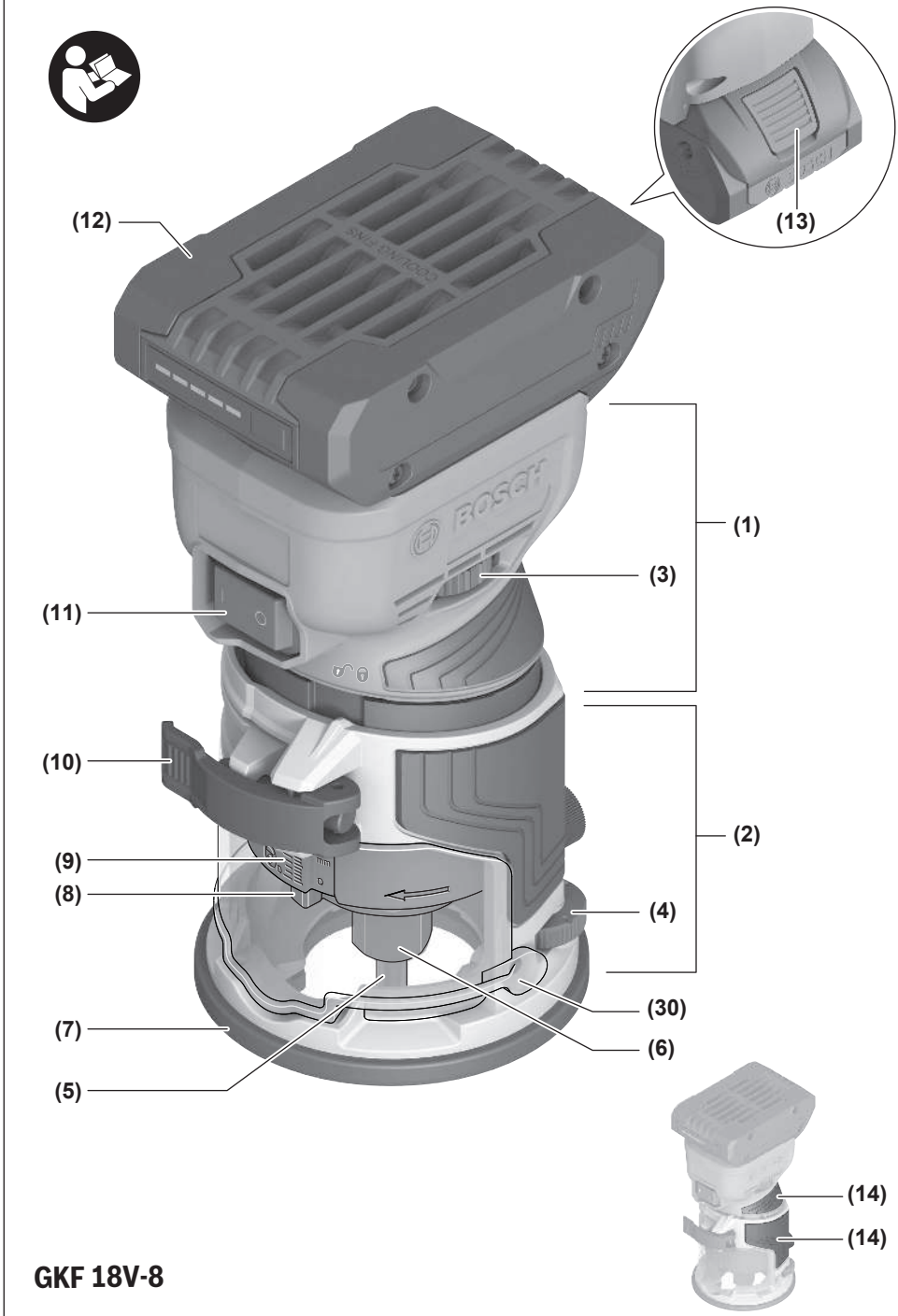
**en** Original instructions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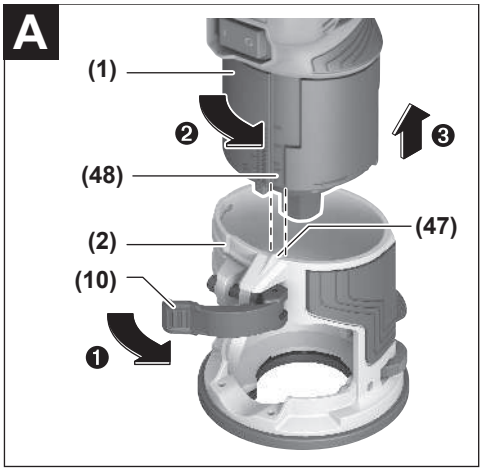
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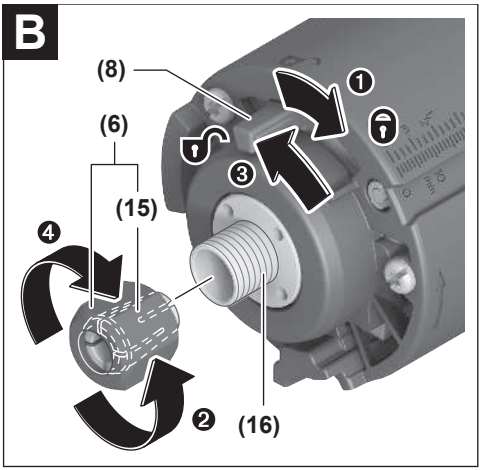
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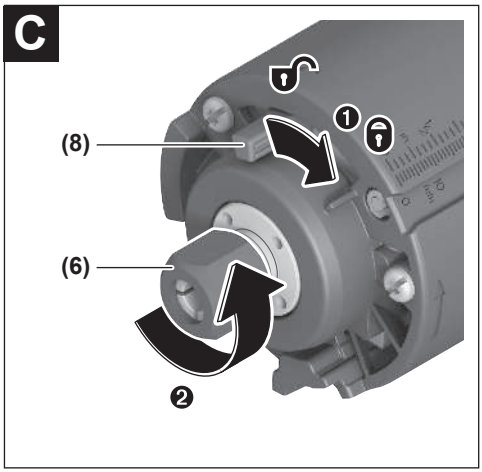
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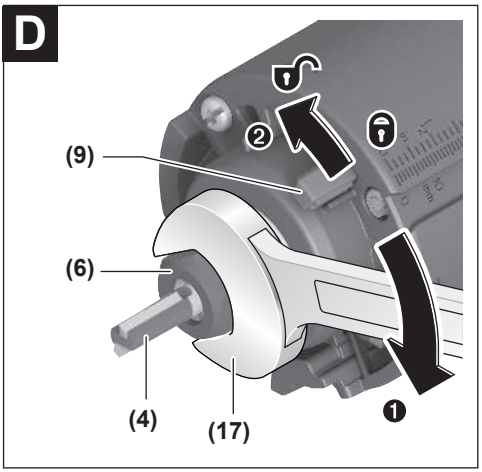
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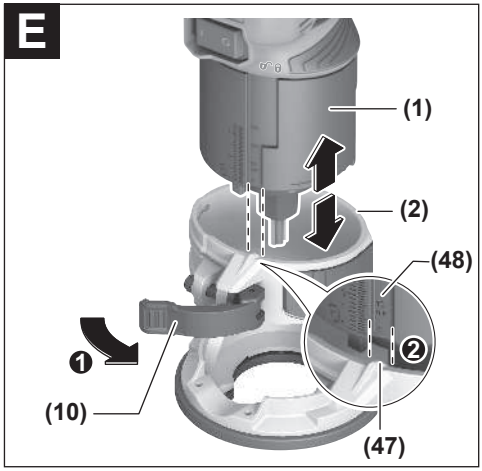
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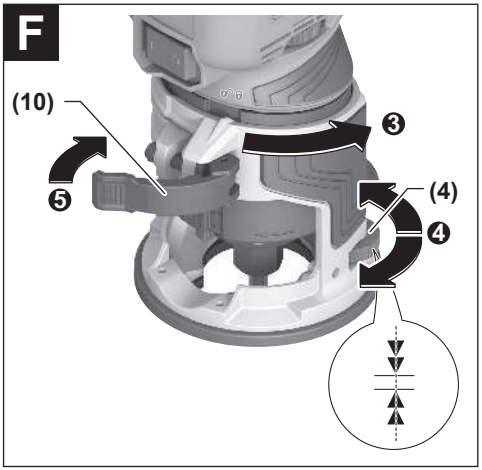
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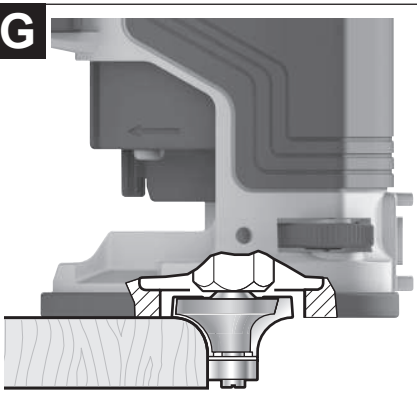

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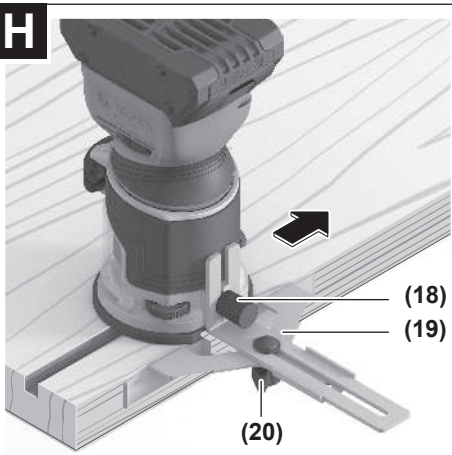


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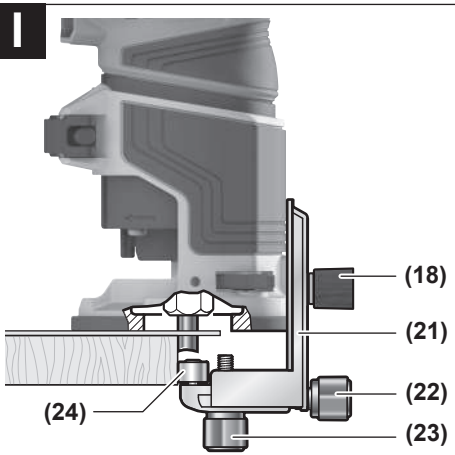


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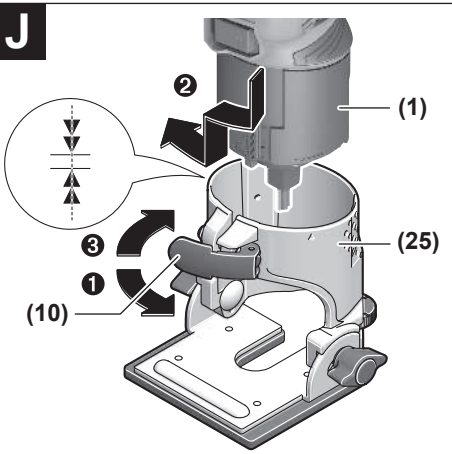


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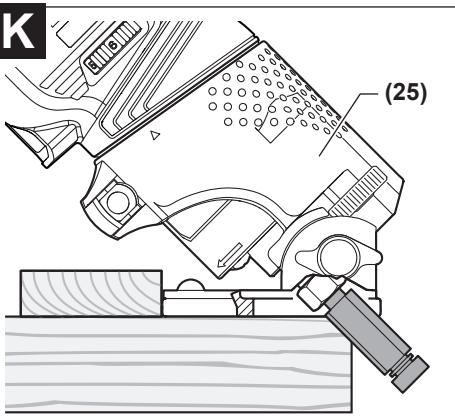


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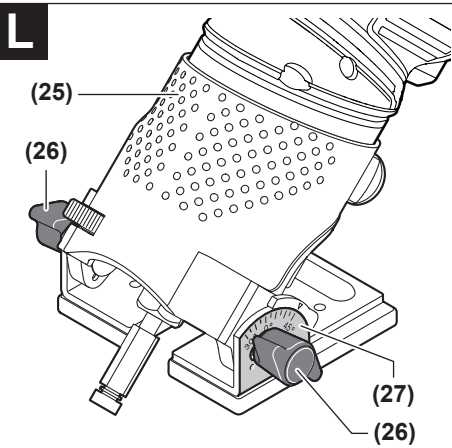

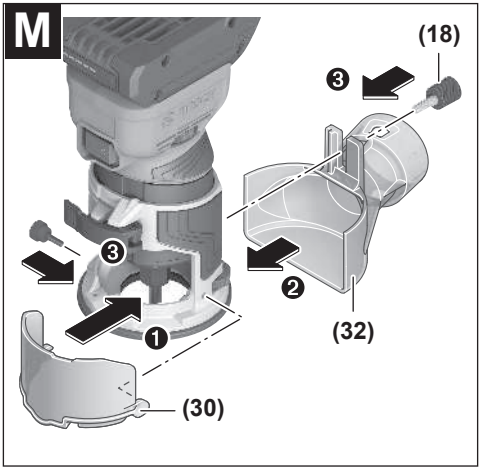
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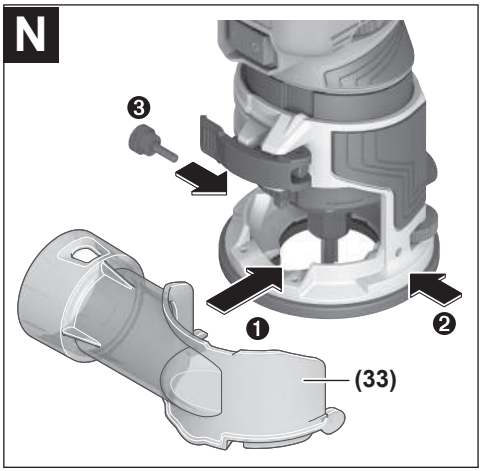
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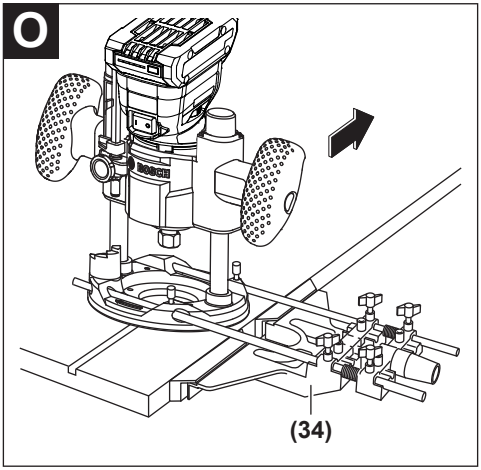
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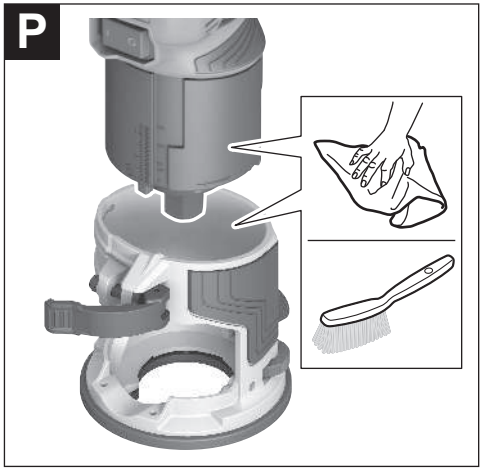
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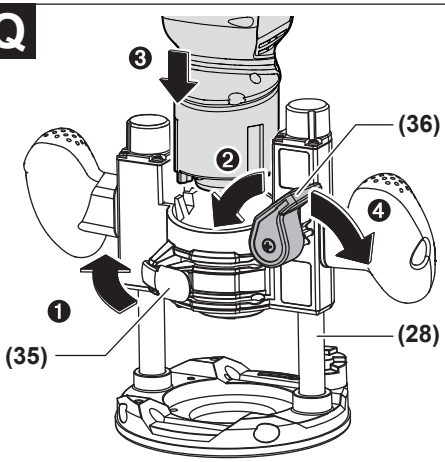


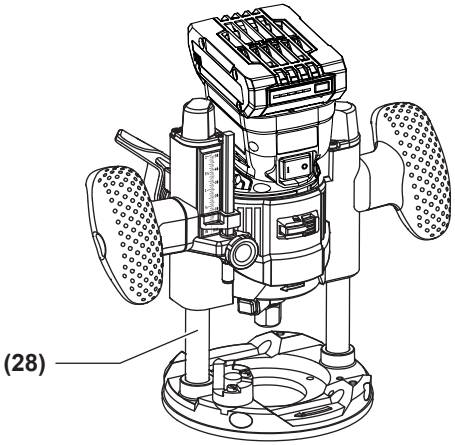


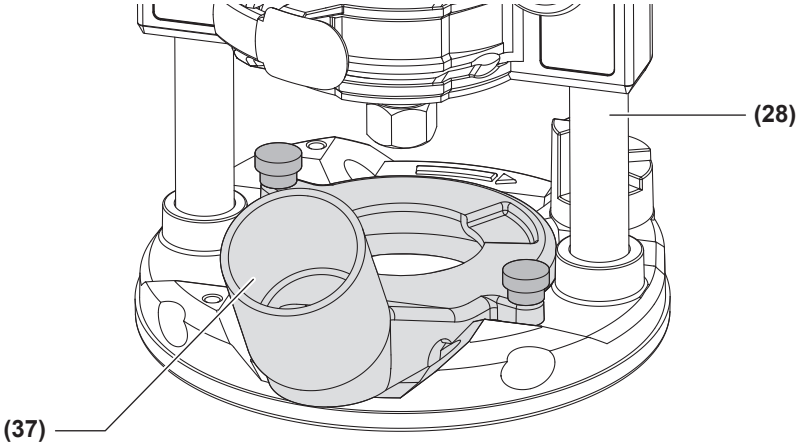


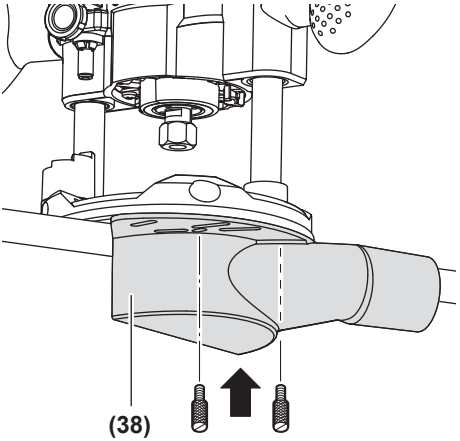


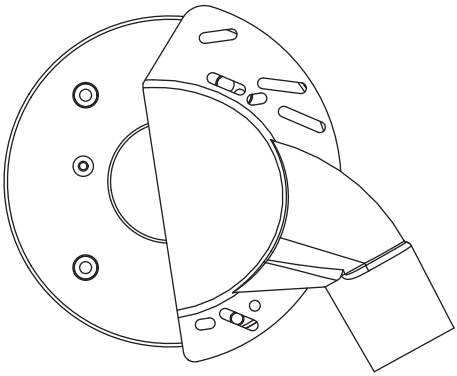

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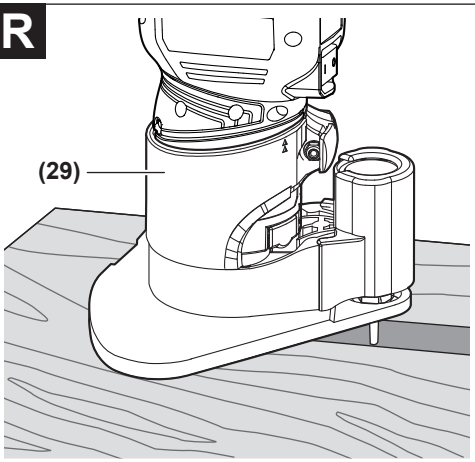


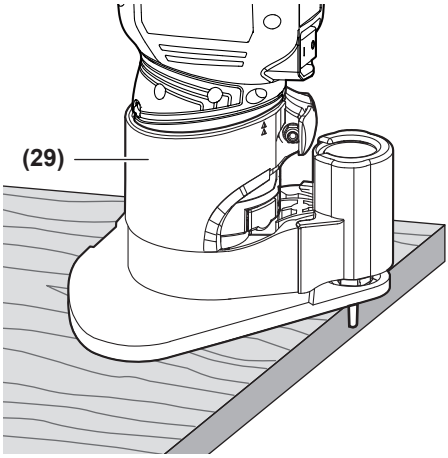


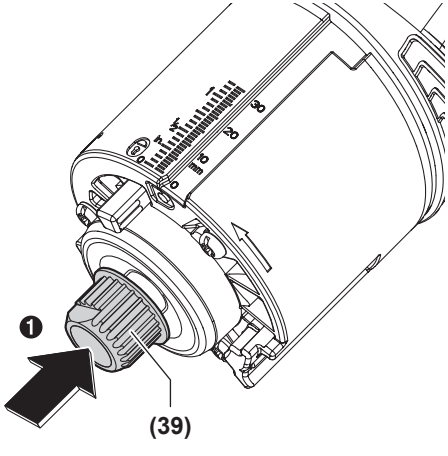


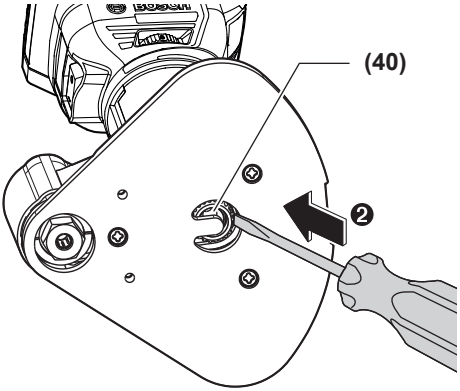


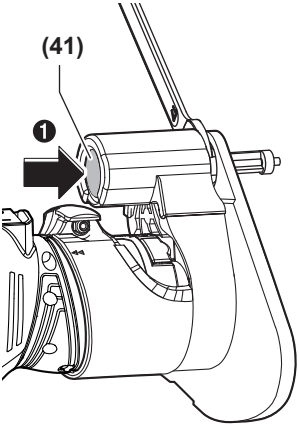


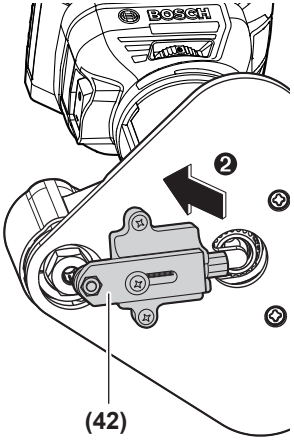


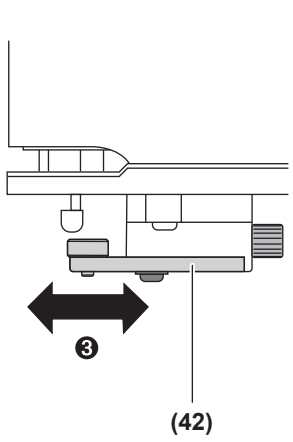

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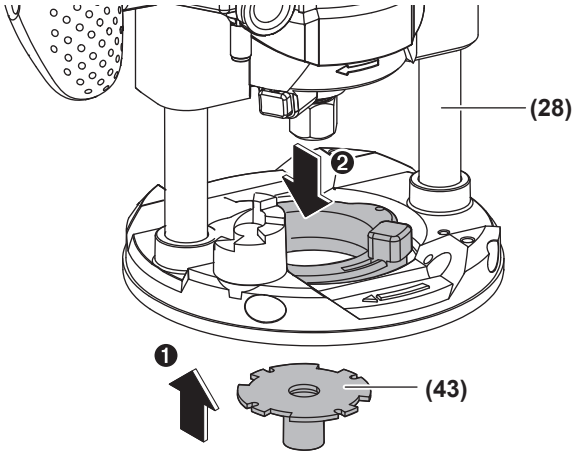
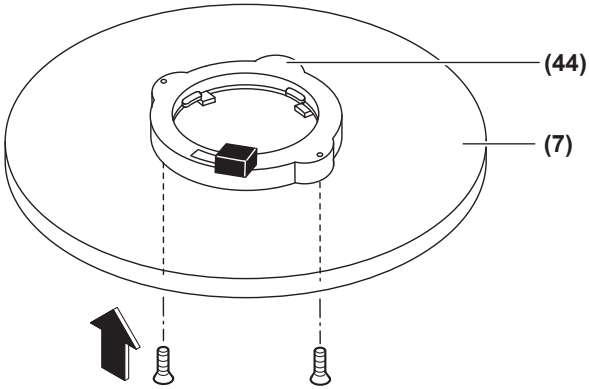
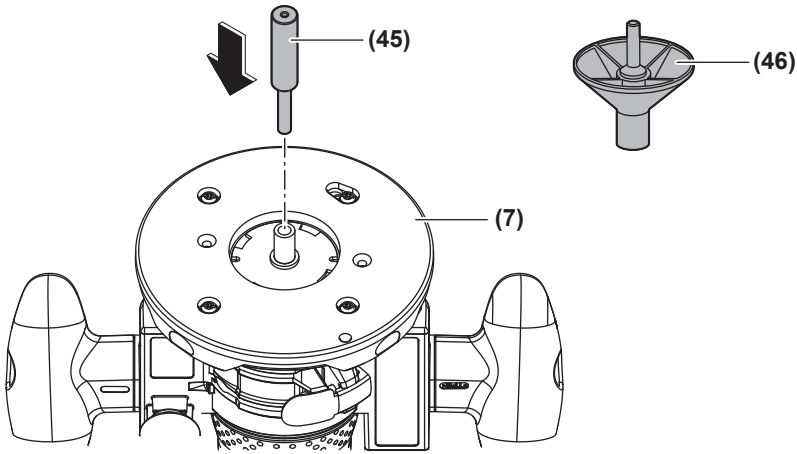


# English

## 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 edge routers

- ▶ **Use clamps or another practical way to secure and support the workpiece to a stable platform.** Holding the work by your hand or against the body leaves it unstable and may lead to loss of control.
- ▶ **The permitted speed of the cutting bit must be at least equal to the maximum speed marked on the power tool.** If cutting bits run faster than their rated speed, they may break and fly off.
- ▶ **Routers and other accessories must be able to fit exactly in the tool holder (collet) of your power tool.** Application tools that do not fit exactly in the tool holder of the power tool will turn unevenly, vibrate heavily and may cause a loss of control.
- ▶ **Only bring the power tool into contact with the workpiece when switched on.** Otherwise there is danger of kickback if the cutting tool jams in the workpiece.
- ▶ **Never rout over metal objects, nails or screws.** The router could become damaged and cause increased vibration.
- ▶ **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.
- ▶ **Do not use blunt or damaged routers.** Blunt or damaged routers cause increased friction, create imbalances and may become jammed.
- ▶ **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 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 copy routing as well as routing grooves, edges, profiles and elongated holes in wood, plastic and light building materials while resting firmly on the workpiece.

### Product features

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

**(1)** Motor unit
**(2)** Fixed routing base
**(3)** Speed preselection thumbwheel
**(4)** Thumbwheel for fine adjustment of routing depth
**(5)** Router bit[a)]
**(6)** Cap nut with collet
**(7)** Base plate

**(8)** Spindle locking lever
**(9)** Scale for setting the routing depth
**(10)** Clamping lever
**(11)** On/off switch
**(12)** Rechargeable battery
**(13)** Rechargeable battery release button
**(14)** Handle (insulated gripping surface)
**(15)** Collet
**(16)** Shaft
**(17)** Open-ended spanner (17 mm)[a)]
**(18)** Knurled screw for attachments **(19)**, **(21)**, **(32)**, **(33)**
**(19)** Parallel guide[a)]
**(20)** Wing bolt for parallel guide[a)]
**(21)** Flush trim roller guide[a)]
**(22)** Wing bolt for fixing the horizontal alignment[a)]
**(23)** Wing bolt for the horizontal alignment of the flush trim roller guide[a)]
**(24)** Guide roller
**(25)** Tilt base[a)]
**(26)** Wing bolt for angle adjustment[a)]
**(27)** Scale for routing angle adjustment
**(28)** Plunge base[a)]
**(29)** Offset base[a)]
**(30)** Chip shield for edge routing
**(31)** Nut for adjustment of the tensioning force
**(32)** Dust extraction adapter for routing edges[a)]
**(33)** Dust extraction adapter for routing grooves[a)]
**(34)** Deluxe routing guide[a)]
**(35)** Clamping lever (plunge base)[a)]
**(36)** Release lever for plunge action (plunge base)[a)]
**(37)** Dust extraction for routing grooves (plunge base)[a)]
**(38)** Dust extraction for routing edges (plunge base)[a)]
**(39)** Drive wheel (for offset base)[a)]
**(40)** Opening in the base plate (offset base)[a)]
**(41)** Spindle lock button (offset base)[a)]
**(42)** Roller/bush guide (offset base)[a)]
**(43)** Guide bushing[a)]
**(44)** Adapter for guide bushing[a)]
**(45)** Centring pin[a)]
**(46)** Centring cone[a)]
**(47)** Rib in fixed routing base
**(48)** Depth adjustment channel on the motor unit

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

## Technical data

| Edge router | | GKF 18V-8 |
|---|---|---|
| Article number | | **3 601 FC2 0..** |
| Rated voltage | V⎓ | 18 |
| No-load speed[A)] | $min^{-1}$ | 10,000–30,000 |
| Speed preselection | | ● |
| Constant electronic control | | ● |
| Compatible collets | mm<br>inches | 6/8<br>¼" |
| Router cage stroke | mm | 34 |
| Weight[B)] | kg | 1.1 |
| 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 | | GBA 18V...<br>ProCORE18V...<br>EXPERT 18V...<br>EXBA18V...<br>CORE18V... |
| Recommended rechargeable batteries | | GBA 18V...<br>> 4.0 Ah<br>ProCORE18V... |
| Recommended battery chargers | | GAL 18...<br>GAL 36..<br>GAL 12V/18...<br>GAX 18...<br>EXAL18... |

A) Measured at 20–25 °C with rechargeable battery **ProCORE18V 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 62841-2-17**.

Typically, the A-weighted noise level of the power tool is: Sound pressure level **87** dB(A); sound power level **95** 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 62841-2-17**:

$a_h$ = **1.9** $m/s^2$ (K = **1.5** $m/s^2$), $p_F$ = **104** $m/s^2$ (K = **10** $m/s^2$)

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 Status indications.

**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

▶ **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.

### Changing the tool

▶ **Wearing protective gloves while fitting and changing router bits is recommended.**

Original router bits from the extensive range of **Bosch** accessories are available from your specialist dealer.

**Removing the Fixed Routing Base (see figure A)**

Before fitting a router bit, you must first separate the fixed routing base **(2)** from the motor unit **(1)**.

Open the clamping lever **(10)** and turn the fixed routing base **(2)** until the rib **(47)** in the fixed routing base matches the depth adjustment channel **(48)** on the motor unit.

Pull the motor unit **(1)** up and out of the fixed routing base **(2)**.

**Changing the collet (see figure B)**

Depending on the router bit used, you may have to change the cap nut with the collet **(6)** before fitting the router bit.

If the right collet for your router bit is already fitted, please follow the work steps in the following section.

The collet **(15)** must sit in the cap nut with a small amount of play. The cap nut **(6)** must be easy to fit. If the cap nut or collet is damaged, replace it immediately.

Push the spindle locking lever **(8)** to the symbol. If necessary, turn the motor spindle manually until it is locked in place.

Unscrew the cap nut **(6)** anticlockwise with the open-ended spanner **(17)**.

Push the spindle locking lever **(8)** to the symbol.

If required, clean all the parts you want to fit with a soft brush or by blowing them clean with compressed air before assembling them.

Place the new cap nut on the shaft **(16)**.

Loosely tighten the cap nut.

▶ **Do not, under any circumstances, tighten the collet with the tightening nut until a router bit has been fitted.** The collet may otherwise become damaged.

**Fitting the router bit (see figures C–D)**

▶ **Wearing protective gloves while fitting and changing router bits is recommended.**

Router bits are available in a wide variety of designs and qualities depending on the intended application.

**Router bits made of high-performance high-speed steel (HSS)** are suited to machining soft materials such as softwood and plastic.

**Router bits with carbide tips** are especially suitable for hard and abrasive materials such as hardwood and aluminium.

Original router bits from the extensive range of Bosch accessories are available from your specialist dealer.

Only use undamaged and clean router bits.

– Push the spindle locking lever **(8)** to the symbol (❶). If required, turn the spindle by hand until the locking mechanism engages.
**Do not activate the spindle locking lever (8) while the tool spindle is moving.**
– Undo the cap nut **(6)** with the open-ended spanner **(17)** by turning it anticlockwise (❷).
– Slide the router bit into the collet **(15)**. The shank of the router bit must be immersed at least **20** mm into the collet **(15)**.
– Tighten the cap nut **(6)** with the open-ended spanner **(17)** by turning it clockwise. Push the spindle locking lever **(8)** to the symbol.

▶ **Do not, under any circumstances, tighten the collet with the tightening nut until a router bit has been fitted.** The collet may otherwise become damaged.

**Fitting the Fixed Routing Base (see figures E–F)**

To start routing, the fixed routing base **(2)** must be fitted back onto the motor unit **(1)**.

Open the clamping lever **(10)** if it is closed.

Align the rib **(47)** in the fixed routing base **(2)** with the depth adjustment channel **(48)** of the motor unit **(1)**.

Slide the motor unit into the fixed routing base until roughly the required cutting depth is reached. Then turn the fixed routing base **(2)** clockwise as far as it will go in order to activate the fine adjustment mode for the cutting depth.

Use the thumbwheel **(4)** to precisely set the cutting depth.

Close the clamping lever **(10)**.

▶ **After assembly, always check that the motor unit is firmly seated in the fixed routing base.**

### Dust/Chip Extraction

Do not perform work without taking dust-reducing measures. Using a suitable dust extraction attachment will reduce exposure to harmful dust. Provide good ventilation at the workplace. Always use suitable breathing protection. Use a dust extraction system that is suitable for the material wherever possible. The regulations on the materials 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.

**Fitting the Chip Shield for Edge Routing/Dust Extraction Adapter (see figures M-N)**

The chip shield for edge routing **(30)** and dust extraction adapter **(32)/(33)** can only be used in combination with the round base plate **(7)** and the optional square and D-shaped base plates (accessories).

**Fitting the Chip Shield for Edge Routing (see figure M)**

The chip shield for edge routing **(30)** is particularly suitable for use in combination with the dust extraction adapter for edge routers **(32)**. This ensures maximum dust extraction when routing edges.

Fit the chip shield for edge routing **(30)** with the supplied screw and click it audibly into the fixed routing base **(2)**.

**Fitting the dust extraction adapter for edge routing (see figure M)**

For routing edges, you can use the dust extraction adapter **(32)** in addition to the chip shield for edge routing **(30)**.

Attach the dust extraction adapter**(32)** with the screw **(18)**.

Remove the dust extraction adapter again when routing smooth plane surfaces.

**Fitting the dust extraction adapter for groove routing (see figure N)**

The dust extraction adapter **(33)** can be used for routing work on the surface of a workpiece.

Fit the dust extraction adapter **(33)** with the supplied screw and click it audibly into the fixed routing base **(2)**.

**Connecting the Dust Extraction System**

Put an extraction hose (dia. 35 mm) (accessory) on the installed dust extraction adapter. Connect the dust extraction hose to a dust extractor (accessory).

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

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

# Operation

## Starting Operation

**Preselecting the speed**

You can preselect the required speed using the speed preselection thumbwheel **(3)**, even during operation.

| Thumbwheel position | Speed [$min^{-1}$] | |
|---|---|---|
| 1–2 | 10,000–14,000 | Low speed |
| 3–4 | 18,000–24,000 | Medium speed |
| 5–6 | 26,000–30,000 | High speed |

The values displayed in the following table are guidelines. The required speed depends on the material and the working conditions; it can be ascertained through practical tests.

| Material | Router bit diameter [mm] | Thumbwheel position |
|---|---|---|
| Hardwood (beech) | 4–10 | 5–6 |
| | 12–20 | 3–4 |
| | > 20 | 1–2 |
| Softwood (pine) | 4–10 | 5–6 |
| | 12–20 | 3–6 |
| | > 20 | 1–3 |
| Chipboard | 4–10 | 3–6 |
| | 12–20 | 2–4 |
| | > 20 | 1–3 |
| Plastics | 4–15 | 2–3 |
| | > 15 | 1–2 |

After working for a long time at a low speed, you should let the power tool rotate at no load for some time at maximum speed to cool down.

**Switching on/off**

To **switch on** the power tool, set the on/off switch **(11)** to **I**.

To **switch off** the power tool, set the on/off switch **(11)** to **0**.

**Constant electronic control**

The Constant Electronic keeps the speed at no load and under load virtually consistent, guaranteeing uniform performance.

## Adjusting the Routing Depth (see figures E–F)

▶ **The routing depth must only be set while the power tool is switched off.**

For adjustment of the routing depth, proceed as follows:

– Place the power tool with a fitted router bit onto the workpiece you want to machine.

– Open the clamping lever **(10)** if it is closed (❶).

– Align the rib **(47)** in the fixed routing base **(2)** with the depth adjustment channel **(48)** and the unlocking symbol (❷). Slide in the fixed routing base **(2)** until roughly the required cutting depth is reached.

– Turn the fixed routing base **(2)** until the rib **(47)** matches the locking symbol to make the fine depth adjustment (❸).
– Precisely set the required routing depth with the thumbwheel **(4)** (❹).
– Close the clamping lever **(10)** (❺).

## Working Advice

▶ **Protect router bits against shock and impact.**

**Edge or profile routing (see figure G)**

For edge and profile routing without a parallel guide, the router bit must be fitted with a pilot pin or a ball bearing.

While it is switched on, guide the power tool towards the workpiece from the side until the pilot pin or the ball bearing of the router bit is touching the side of the workpiece edge that you want to machine.

Guide the power tool along the workpiece edge. Pay attention that the router is positioned perpendicularly. Too much pressure can damage the edge of the workpiece.

**Routing with a parallel guide (see figure H)**

You can fit a parallel guide **(19)** for when cutting parallel to an edge.

Fit the parallel guide **(19)** to the fixed routing base **(2)** using the knurled screw **(18)**.

Set the required stop depth using the wing bolt on the parallel guide **(20)**.

While it is switched on, guide the power tool along the workpiece edge with a uniform feed and while applying lateral pressure to the parallel guide.

**Routing with the deluxe routing guide (see figure O)**

With the deluxe routing guide **(34)**, you can move the edge router parallel to a straight edge or create circles and elbows. You can find further information about this in the relevant operating manual.

**Routing with the Flush Trim Roller Guide (see figure I)**

The flush trim roller guide **(21)** helps when routing edges with router bits without a pilot pin or ball bearing.

Fit the flush trim roller guide to the fixed routing base **(2)** using the nut **(18)**.

Guide the power tool along the workpiece edge with a uniform feed.

**Lateral clearance:** To change the amount of material being removed, you can adjust the lateral clearance between the workpiece and the guide roller **(24)** on the flush trim roller guide **(21)**.

Loosen the wing bolt **(22)**, set the lateral clearance you want by turning the wing bolt **(23)**, then retighten the wing bolt **(22)**.

**Height:** Set the vertical alignment of the flush trim roller guide according to the router bit you are using and the thickness of the workpiece you want to machine.

Loosen the nut **(18)** on the flush trim roller guide, slide the flush trim roller guide into the required position and retighten the bolt.

**Routing with the Tilt Base (see figures J–L)**

The tilt base **(25)** is particularly suitable for flush routing of laminated edges at hard-to-reach locations, for routing special angles as well as for bevelling edges.

For edge routing using the tilt base, the router bit must be fitted with a pilot pin or a ball bearing.

To fit the tilt base, follow the work steps in the corresponding section (see "Fitting the Fixed Routing Base (see figures **E**–**F**)", page 14).

To achieve precise angles, the tilt base **(25)** is equipped with adjustment notches in increments of 7.5°. The complete adjustment range is 75° (45° towards the front and 30° towards the rear).

Loosen both wing bolts **(26)**.

Set the required angle using the scale **(27)** and tighten the wing bolts **(26)** again.

**Routing with the plunge base (see figure Q)**

With the plunge base **(28)**, you can route grooves, edges, profiles and elongated holes on a stable surface.

Loosen the clamping lever **(35)** on the plunge base **(28)**. Bring the double arrows on the motor unit **(1)** and the plunge base **(28)** into alignment. Push the motor unit as far as it will go into the plunge base. Turn the motor unit clockwise as far as it will go and close the clamping lever **(35)**.

To lower the motor unit **(1)**, loosen the unlocking lever **(36)** and press it downwards until you have reached the required depth. Let go of the unlocking lever **(36)**.

Fit the dust extraction for routing grooves **(37)** or the dust extraction for routing edges **(38)**.

**Routing with the Offset Unit (see figure R)**

▶ **The offset unit can become very hot. Do not use the offset unit for longer than 10 min without break to prevent injuries. Switch the tool off after 10 min and allow it to cool down.**

The offset base **(29)** is intended for routing in tight spaces that are not accessible with the round base plate **(7)** (e.g.routing near to vertical surfaces).

Remove the collet **(15)** from the motor unit **(1)** and fit the drive wheel **(39)**. Insert the motor unit **(1)** in the offset base **(29)**. Move a screwdriver through the opening **(40)** in the base plate of the offset base, in order to place the belt over the drive disc.

Insert the router bit accordingly (see "Fitting the router bit (see figures **C**–**D**)", page 14). Press the spindle lock button **(41)** on the offset base **(29)** and tighten the cap nut **(6)**.

The roller/bush guide **(42)** of the offset base **(29)** is used when you are routing edges with non-mounted application tools. Attach the roller/bush guide **(42)** with 2 screws. The width of the removed material is determined by the distance set between the front side of the router and the front side of the roller/bush.

**Routing with guide bushing (see figure S)**

Using the guide bushing **(43)**, you can transfer contours from templates or patterns to the workpiece.

Select the guide bushing that is suitable for the thickness of the template or pattern. Due to the protruding height of the guide bushing, the template must have a minimum thickness of 8 mm.

When routing with guide bushings, only use router bits that are 2 mm smaller than the internal diameter of the guide bushing.

Place the adapter for the guide bushing **(44)** on the base plate **(7)**. Align the two holes on the underside of the adapter **(44)** with the drill holes in the base plate **(7)**. Attach the adapter **(44)** with the supplied screws.

The base plate **(7)** is centred at the factory. As a result, the router bit is positioned in the middle of the base plate and the guide bushing **(43)**. In order to centre the base plate and the guide bushing as accurately as possible, you can use an optional centring device.

Fit the adapter **(44)** and the guide bushing **(43)**. Loosen the 4 screws on the base plate **(7)**. Push the centring pin **(45)** through the base plate into the collet **(15)** and fasten it with the cap nut **(6)**. Press the centring pin slightly into the base plate or the guide bushing. Retighten the screws on the base plate **(7)**. Remove the centring pin **(45)**.

The centring cone **(46)** can be used to centre the base plate or wide guide bushings.

**Changing the Base Plate**

Undo the 4 screws under the base plate **(7)** and remove it. Fit the new base plate (accessory) in the correct position with the 4 screws.

**Troubleshooting**

| Problem | Cause | Remedy |
|---|---|---|
| The router does not work. | Battery not inserted/battery discharged | Insert a charged battery. |
| | Temperature of battery and router too high/low | Allow the battery and/or router to reach the permitted operating temperature. |
| Router cannot be switched on. The LED flashes. | Spindle lock button in closed position | Switch off the router. Push the spindle lock button out of the closed position. Switch on the router. |
| | Battery inserted when the on/off switch is switched on | Switch off the router. Remove the battery and reinsert it. Switch on the router. |

# 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.**

Clean the motor unit, the routing depth fine-adjustment mechanism and the inside of the fixed routing base regularly. To do so, use a clean cloth, a brush, or compressed air (see figure **P**).

## After-Sales Service and Application Service

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

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

You can find the link to our service addresses and warranty conditions on the last page.

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.

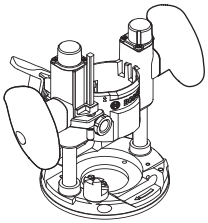
Do not dispose of power tools and batteries/rechargeable batteries into household waste!

**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.

6 mm 2 608 570 133
8 mm 2 608 570 134

1/4" 2 608 570 142



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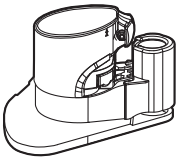

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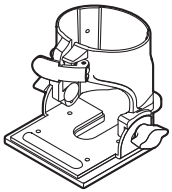

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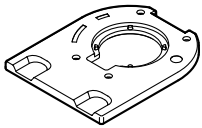

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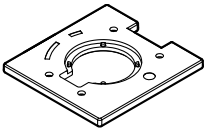

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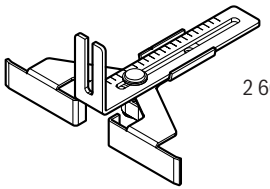

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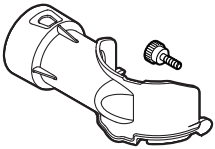

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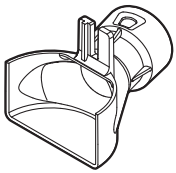

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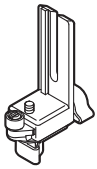

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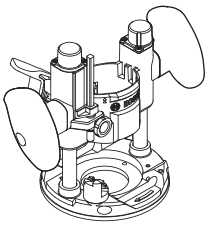

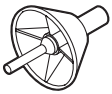

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12 mm
1/4"
1/2"

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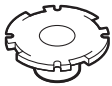
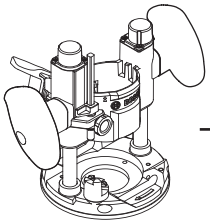
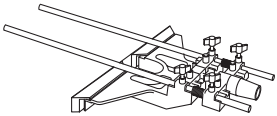
(Metric)
2 608 190 064

(Inch)
2 608 190 063



| | |
|---|---|
| 13 mm | 2 609 200 138 |
| 16 mm | 2 609 200 471 |
| 17 mm | 2 609 200 139 |
| 24 mm | 2 609 200 140 |
| 27 mm | 2 609 200 141 |
| 30 mm | 2 609 200 142 |
| 40 mm | 2 609 200 312 |





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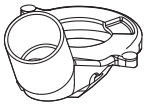

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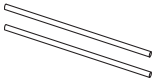

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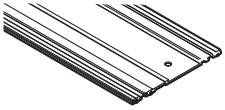

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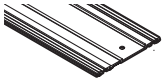
1 600 Z00 006 (1100 mm)
1 600 Z00 00F (1600 mm)
1 600 Z00 007 (2100 mm)
1 600 Z00 008 (3100 mm)



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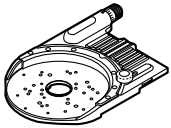

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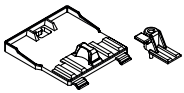
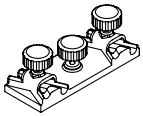
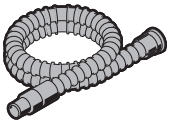


1 600 Z00 03X

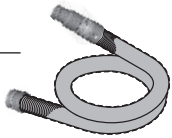


1 600 A00 11C



Ø 28 mm:
2 608 000 772 (3.2 m)

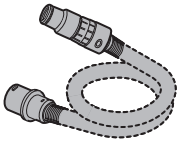
GAS 18V-12 MC



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)

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