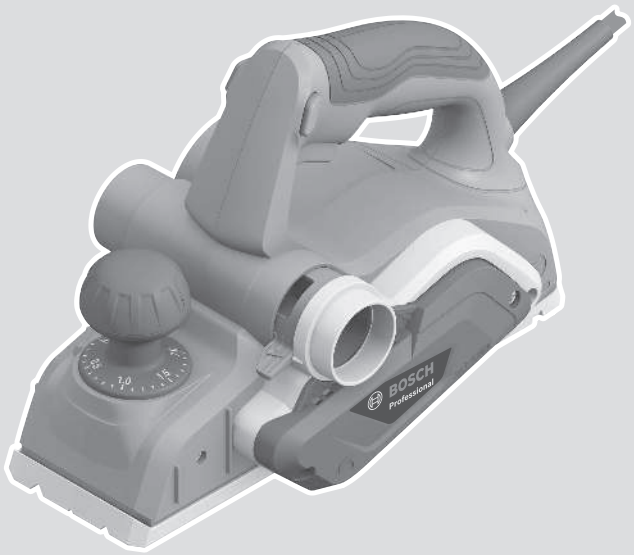
BOSCH

Professional

GHO 20-82



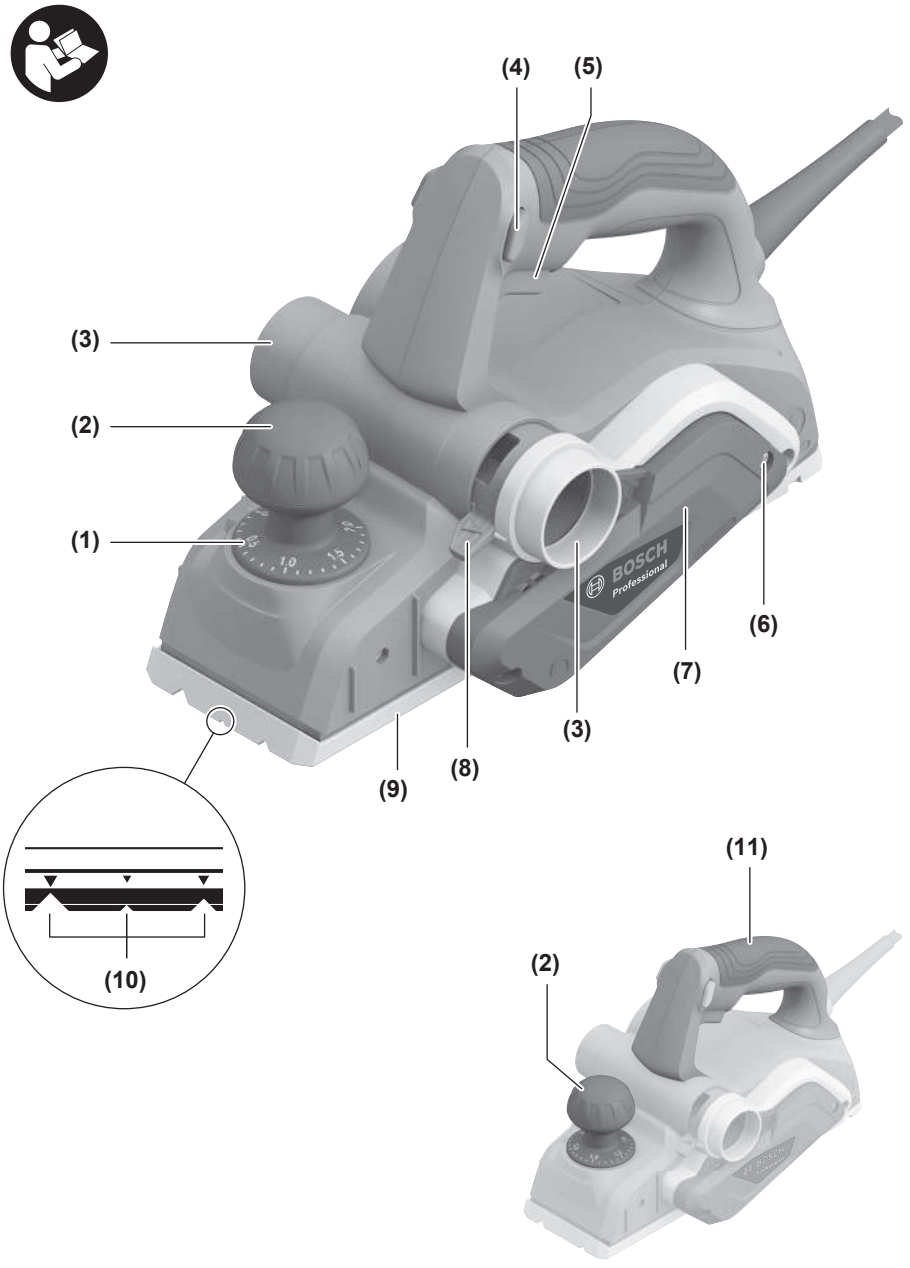
Robert Bosch Power Tools GmbH
70538 Stuttgart
GERMANY

www.bosch-pt.com

1 609 92A B6N (2025.08) O / 15

1 609 92A B6N

en Original instructions



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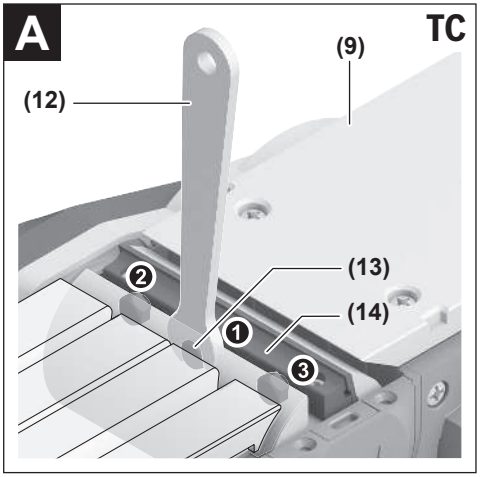
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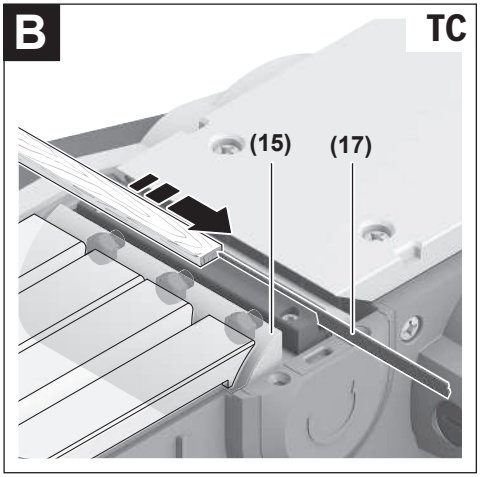
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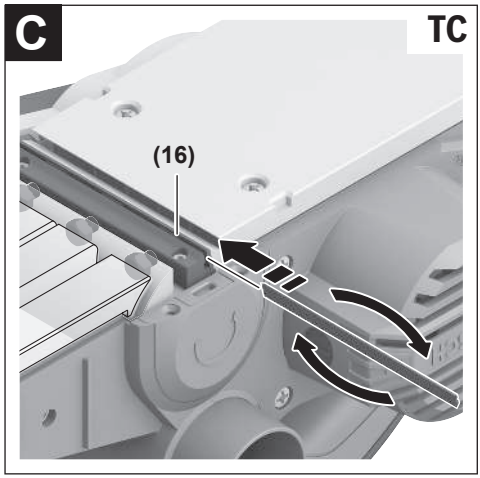
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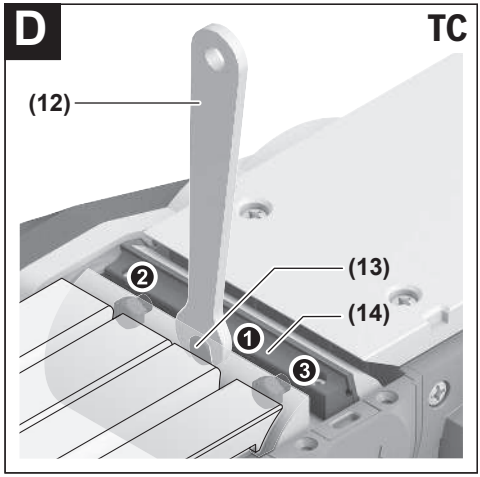
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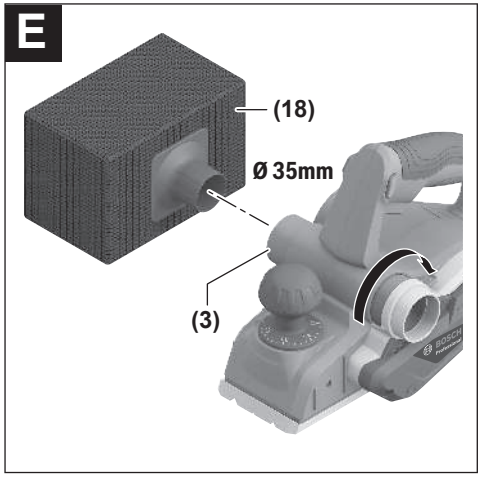
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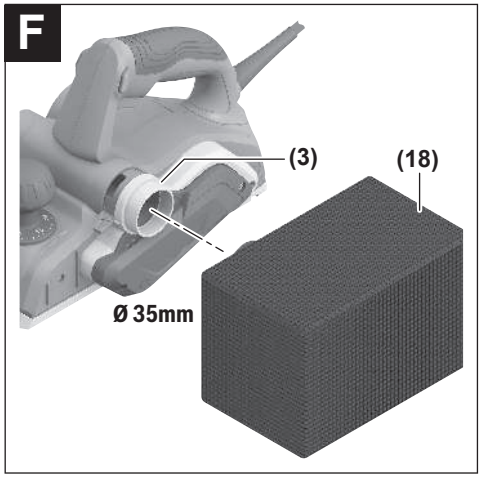
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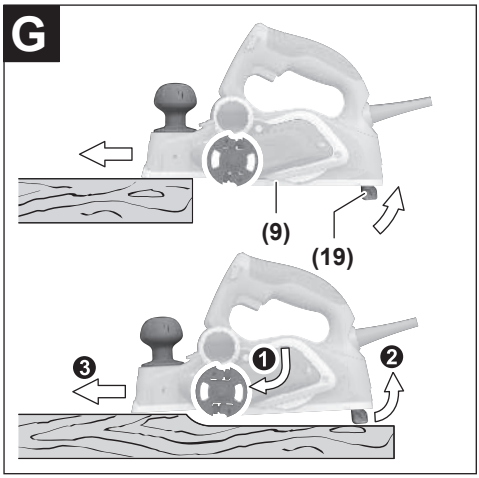
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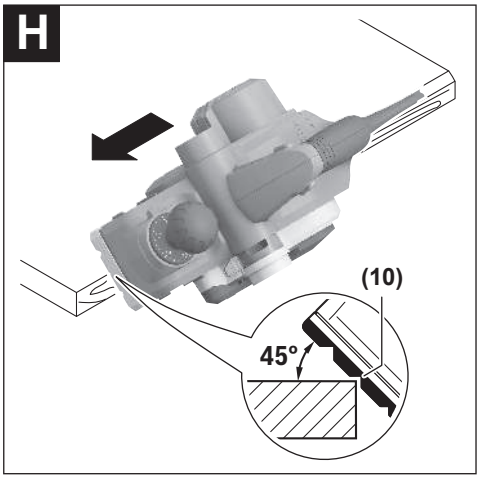
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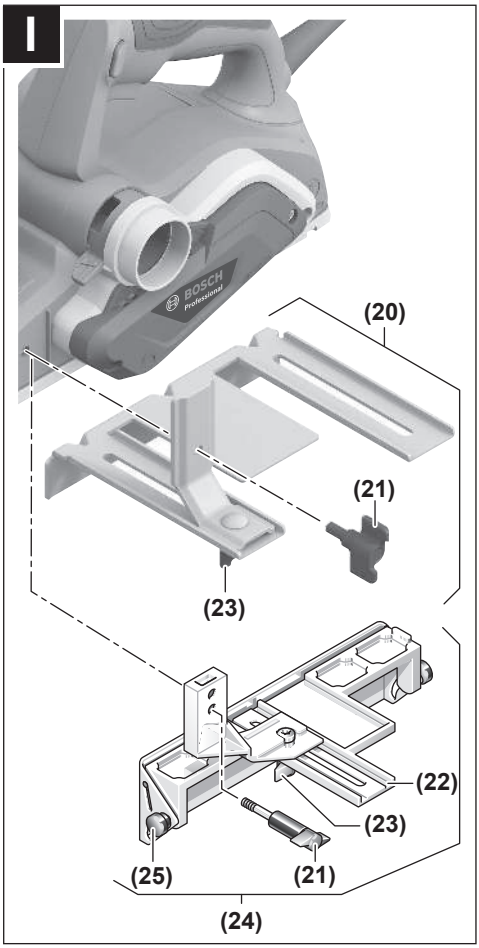
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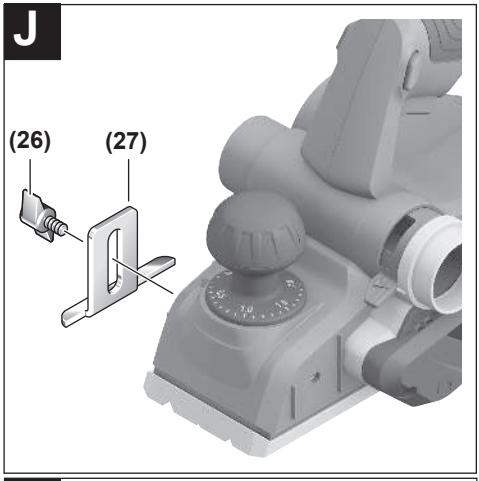
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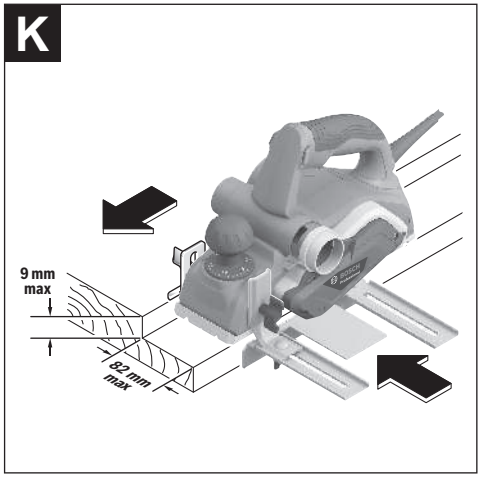
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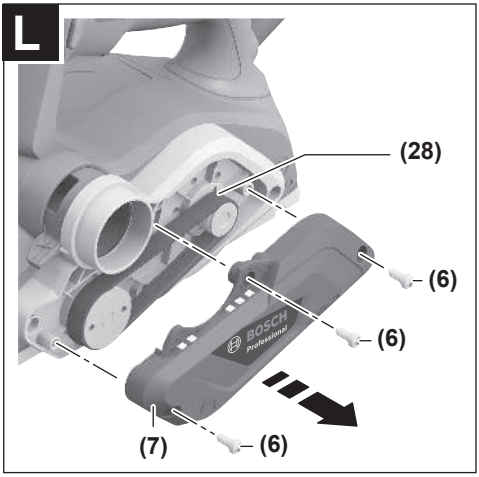
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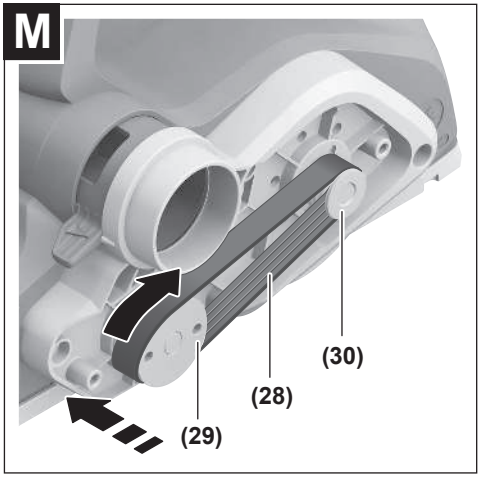
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English

Safety Instructions

General Power Tool Safety Warnings

⚠ WARNING **Read all safety warnings, instructions, illustrations and specifications provided with this power tool.** Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Work area safety

- **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

Electrical safety

- **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

Personal safety

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of 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.

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.

Safety instructions for planers

- ▶ **Wait for the cutter to stop before setting the tool down.** An exposed rotating cutter may engage the surface leading to possible loss of control and serious injury.
- ▶ **Hold the power tool by insulated gripping surfaces, because the cutter may contact its own cord.** Cutting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- ▶ **Use clamps or another practical way to secure and support the workpiece to a stable platform.** Holding the workpiece by your hand or against the body leaves it unstable and may lead to 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.
- ▶ **Do not allow the chip ejector to come into contact with your hands.** You may be injured by rotating parts.
- ▶ **Never plane over metal objects, nails or screws.** Cutters and cutter shafts could become damaged and cause increased vibration.
- ▶ **Use suitable detectors to determine if utility lines are hidden in the work area or call the local utility company for assistance.** Contact with electric lines can lead to fire and electric shock. Damaging a gas line can lead to explosion. Penetrating a water line causes property damage or may cause an electric shock.
- ▶ **While working, always hold the planer in such a way that the planer base plate lies flat against the workpiece.** Otherwise the planer could slip and cause injury.
- ▶ **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.
- ▶ **Products sold in GB only:**
  Your product is fitted with an BS 1363/A approved electric plug with internal fuse (ASTA approved to BS 1362). If the plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place by an authorised customer service agent. The replacement plug should have the same fuse rating as the original plug.
  The severed plug must be disposed of to avoid a possible shock hazard and should never be inserted into a mains socket elsewhere.

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 planing wood-based materials such as beams and boards while resting firmly on the workpiece. It is also suitable for chamfering edges and for rebating.

Product features

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

(1) Cutting depth scale
(2) Knob for setting the cutting depth (insulated gripping surface)
(3) Chip ejector (either right or left)
(4) Lock-off function for on/off switch
(5) On/off switch
(6) Screw for belt cover
(7) Belt cover
(8) Changeover lever for chip ejector direction
(9) Planer base plate
(10) V-grooves
(11) Handle (insulated gripping surface)
(12) Open-ended spanner
(13) Fastening screw for clamping jaw
(14) Clamping jaw
(15) Blade head
(16) Guide groove for planer blade
(17) HM/TC planer blade[a)]
(18) Chip/dust bag[a)]
(19) Parking rest
(20) Parallel guide
(21) Fastening screw for parallel/angle guide
(22) Scale for rebate width
(23) Locking nut for rebate width setting
(24) Angle guide[a)]
(25) Locking nut for angle setting[a)]
(26) Fastening screw for rebate depth guide[a)]
(27) Rebate depth guide[a)]

(28) Drive belt

(29) Large belt wheel

(30) Small belt wheel

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

Technical data

Planer		GHO 20-82
Article number		**3 601 EA9 1..**
Rated power input	W	700
No-load speed	min^{-1}	16500
Cutting depth	mm	0–2.0
Rebate depth	mm	0–9
Max. planing width	mm	82
Weight[A)]	kg	2.7
Protection class		⧈/II

A) With planer blade, without mains connection cable

The specifications apply to a rated voltage [U] of 230 V. These specifications may vary at different voltages and in country-specific models.

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 62841-2-14**.

Typically, the A-weighted noise level of the power tool is: Sound pressure level **90** dB(A); sound power level **98** 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 62841-2-14**:

a_h = **2.6** m/s^2 (K = **1.5** m/s^2), p_F = **140** m/s^2 (K = **7** 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.

Fitting

▶ **Pull the plug out of the socket before carrying out any work on the power tool.**

Planer Blade

Always change both planer blades – replacing just one blade will create an imbalance that could cause vibrations and shorten the service life of the power tool.

Changing the HM/TC Planer Blades

▶ **Take care when changing the planer blade. Do not pick up the planer blade by the cutting edges.** You may be injured by the sharp cutting edges.

Use only original **Bosch** HM/TC planer blades.

Hard metal (HM/TC) planer blades have two cutting edges and can be turned. If both cutting edges become blunt, the planer blades **(17)** need to be changed. HM/TC planer blades must not be resharpened.

Removing the Planer Blades (see figures A–B)

– To turn or replace the planer blades, turn the blade head **(15)** until the clamping jaw **(14)** is parallel with the planer base plate **(9)**.
– Loosen the three fastening screws **(13)** using the open-ended spanner **(12)** (approx. 1–2 turns). The clamping jaw **(14)** does not need to be removed.
– Turn the blade head slightly and use a piece of wood to push the planer blade **(17)** to the side and out of the blade head **(15)**.
– Turn the blade head 180° and remove the second planer blade.

Fitting the Planer Blades (see figures C–D)

The guide groove on the planer blade ensures a constant, even height setting when changing or turning the blade.

If necessary, clean the blade seat in the blade head **(15)** and the planer blade **(17)**.

When fitting the planer blade, ensure that it is correctly seated in the mounting guide of the blade head **(15)**.

The planer blade must be fitted and aligned with the **centre of the planer base plate (9)**. Then tighten the three fastening screws **(13)** with the open-ended spanner **(12)**. Ensure that the tightening sequence (①②③) on the clamping jaw **(14)** is followed correctly.

Note: Check that the fastening screws **(13)** are firmly tightened before start-up. Turn the blade head **(15)** by hand and ensure that the planer blades are not brushing against anything.

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 hPa	≥ **230** ≥ **230**
Required flow rate[A)]	l/s m^3/h	≥ **36** ≥ **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.

Clean the chip ejector **(3)** regularly. Clean a clogged chip ejector using a suitable tool, e.g. a piece of wood, compressed air, etc.

- ▶ **Do not allow the chip ejector to come into contact with your hands.** You may be injured by rotating parts.

Always use an external dust extraction device or chip/dust bag to guarantee optimum suction.

Selectable chip ejector

Using the changeover lever **(8)**, the chip ejector can be **(3)** adjusted to the right or left. Push the changeover lever **(8)** all the way towards the end position until it clicks into place. The selected chip ejector direction is indicated by an arrow symbol on the changeover lever **(8)**.

Self-generated dust extraction (see figures E–F)

A chip/dust bag (accessory) **(18)** can be used for smaller jobs. Insert the dust bag nozzle of the chip/dust bag firmly into the chip ejector **(3)**. Empty the chip/dust bag **(18)** at regular intervals to maintain optimum dust collection.

External Dust Extraction

An extraction hose (dia. 35 mm) (accessory) can be connected to the chip ejector on either side.

Connect the dust extraction hose to a dust extractor (accessory). You will find an overview of how to connect 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 or dust that is especially detrimental to health or carcinogenic, use a special dust extractor.

Operation

Start-up

- ▶ **Products that are only sold in AUS and NZ:** Use a residual current device (RCD) with a nominal residual current of 30 mA or less.
- ▶ **Pay attention to the mains voltage.** The voltage of the power source must match the voltage specified on the rating plate of the power tool.

Setting the cutting depth

Using the knob **(2)**, the cutting depth can be continuously adjusted between **0–2.0** mm with the aid of the cutting depth scale **(1)** (scale division = **0.1** mm).

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 **(4)**, **then** press and hold the on/off switch **(5)**.

To **switch off** the power tool, release the on/off switch **(5)**.

Note: For safety reasons, the on/off switch **(5)** cannot be locked; it must remain pressed during the entire operation.

Practical advice

- ▶ **Pull the plug out of the socket before carrying out any work on the power tool.**

Parking Rest (see figure G)

The parking rest **(19)** makes it possible to put down the power tool directly after working, without any danger of damaging the workpiece or the planer blades. During the work process, the parking rest **(19)** is raised and the rear section of the planer base plate **(9)** is uncovered.

Planing Procedure (see figure G)

Set the required cutting depth and position the power tool with the front section of the planer base plate **(9)** on the workpiece.

- ▶ **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.

Switch on the power tool and guide it over the surface of the workpiece, applying uniform feed.

To achieve high-quality surfaces, apply only a low feed rate and exert pressure on the middle of the planer base plate.

For the processing of hard materials, such as hardwood, and also when utilising the maximum planing width, set only a low cutting depth and reduce the planer feed as appropriate.

Excessive feed reduces the quality of the surface finish and can lead to the chip ejector quickly becoming blocked.

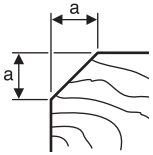
Only sharp planer blades achieve good cutting performance and make the power tool last longer.

The integrated parking rest **(19)** also enables a continuation of the planing procedure following interruption at any point on the workpiece:

– Place the power tool – with parking rest folded down – onto the area of the workpiece that you will continue to work on.
– Switch the power tool on.
– Shift the contact pressure onto the front of the planer base plate and slowly slide the power tool forward (❶). In doing so, the parking rest will swivel upwards and out of the way (❷), meaning that the rear section of the planer base plate is in contact with the workpiece again.
– Guide the power tool over the surface of the workpiece, applying uniform feed (❸).

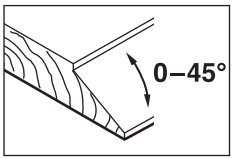
Chamfering edges (see figure H)

The V-grooves in the front of the planer base plate enable quick and easy chamfering of workpiece edges. Select the V-groove that corresponds to your chamfering width. Then position the planer with the V-groove onto the edge of the workpiece and guide it along.



Groove used	Dimension a (mm)
None	**0–4**
Small	**2–6**
Medium	**4–9**
Large	**6–10**

Chamfering with angle guide



Use the angle setting **(25)** to set the necessary helix angle when chamfering grooves and surfaces.

Maintenance and Service

Maintenance and Cleaning

▶ **Pull the plug out of the socket before carrying out any work on the power tool.**

▶ **To ensure safe and efficient operation, always keep the power tool and the ventilation slots clean.**

In order to avoid safety hazards, if the power supply cord needs to be replaced, this must be done by **Bosch** or by an after-sales service centre that is authorised to repair **Bosch** power tools.

Keep the parking rest **(19)** clear and clean it regularly.

When the carbon brushes are worn out, the power tool switches itself off. The power tool must be sent to the after-sales service for maintenance; see the "After-Sales Service and Application Service" section for addresses.

Changing the Drive Belt (see figures L–M)

Unscrew the screw **(6)** completely and take off the belt cover **(7)**. Remove the worn drive belt **(28)**.

Before fitting a new drive belt **(28)**, clean the two belt wheels **(29)** and **(30)**.

First place the new drive belt **(28)** onto the small drive wheel **(30)**, and then press the drive belt **(28)** onto the large drive belt **(29)**, turning it by hand.

Make sure that the drive belt **(28)** runs exactly in the lengthways grooves in the drive wheels **(29)** and **(30)**.

Put the belt cover **(7)** on and tighten the screw **(6)**.

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.

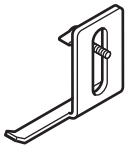
Disposal

The power tool, accessories and packaging should be recycled in an environmentally friendly manner.

Do not dispose of power tools along with household waste.

Only for EU countries and United Kingdom:

Electrical and electronic equipment that is 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.



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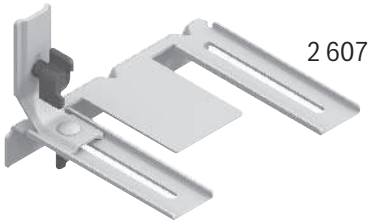
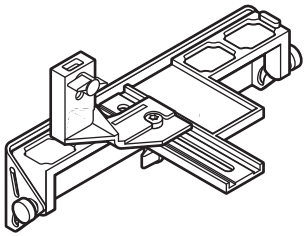
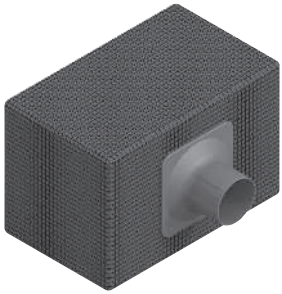


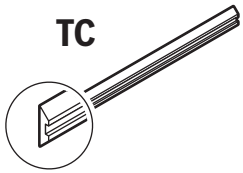
2 607 000 102



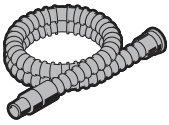
2 607 001 077
(45°)



2 605 411 035

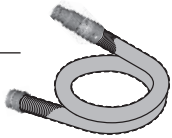


2 607 000 096
(2x)



Ø 28 mm:
2 608 000 772 (3.2 m)

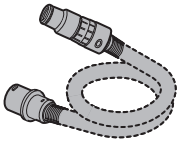
GAS 18V-12 MC



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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Service Contacts
Contacts de Service
Contactos de Servicio

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Conditions de Garantie
Condiciones de Garantía

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