

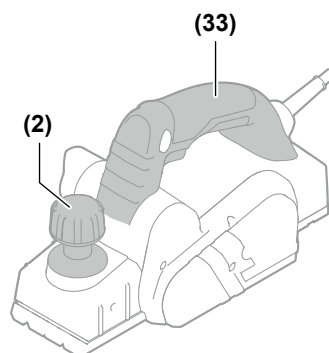
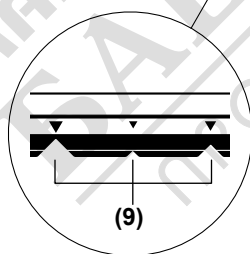
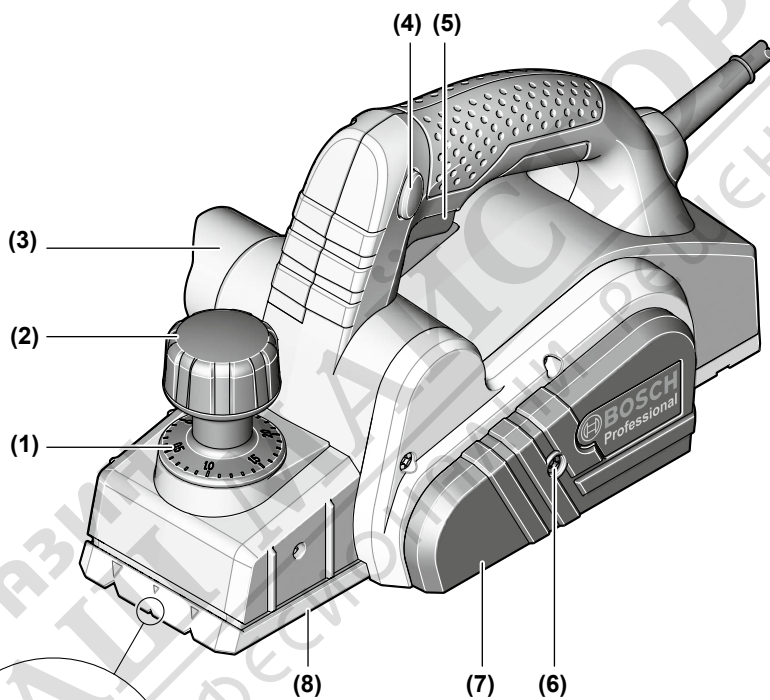
# GHO 6500 Professional



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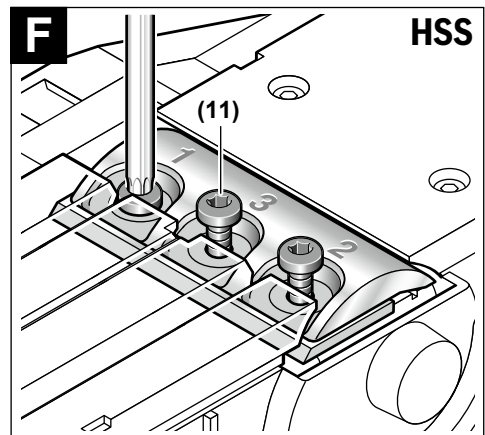
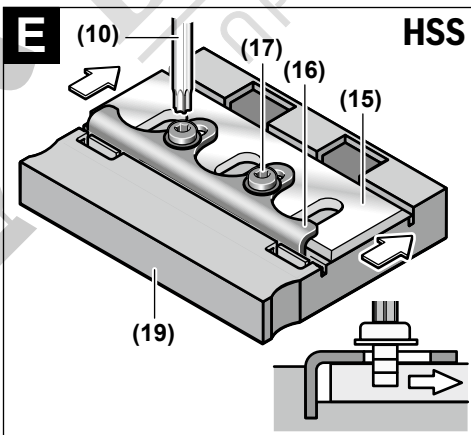
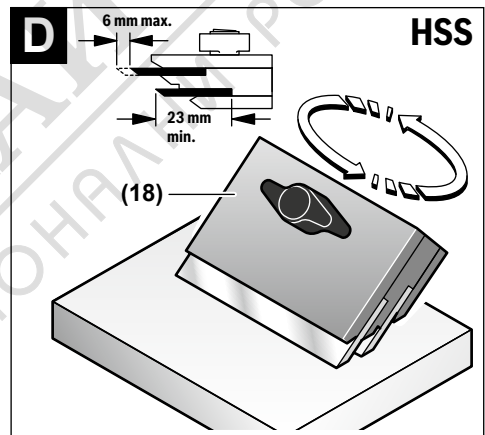
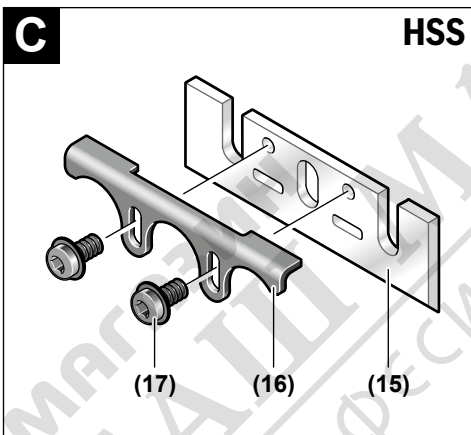
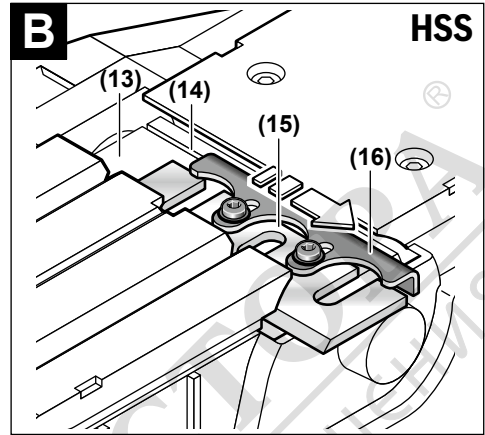
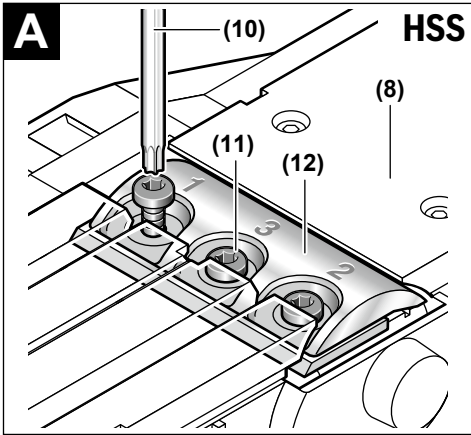


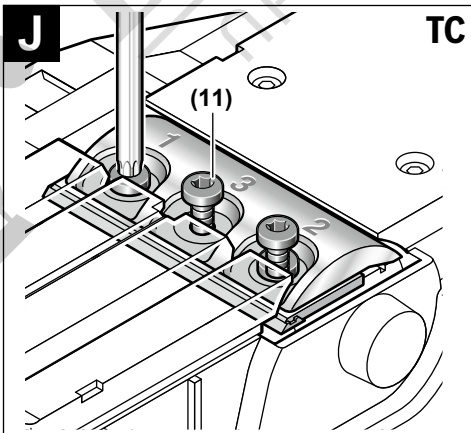
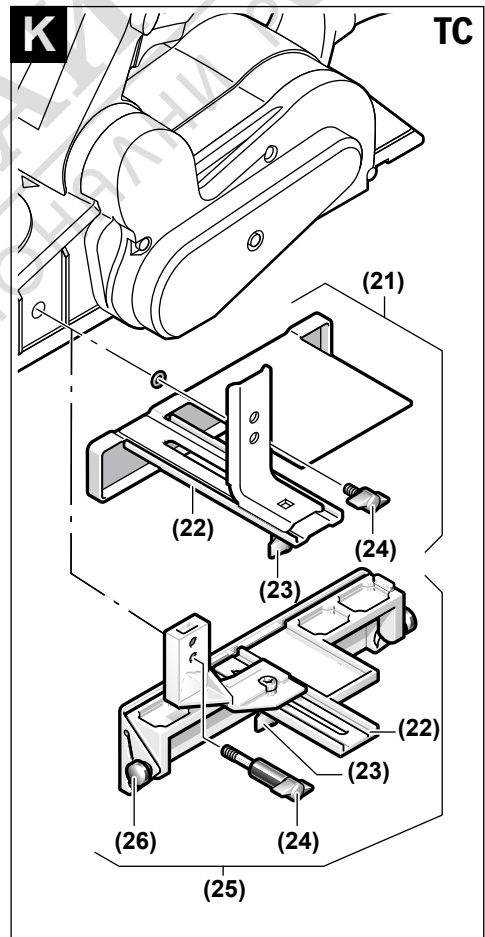
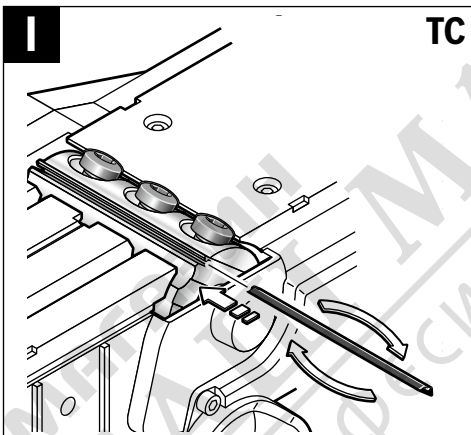
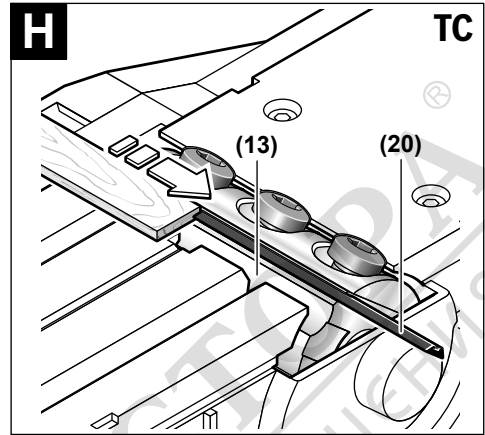
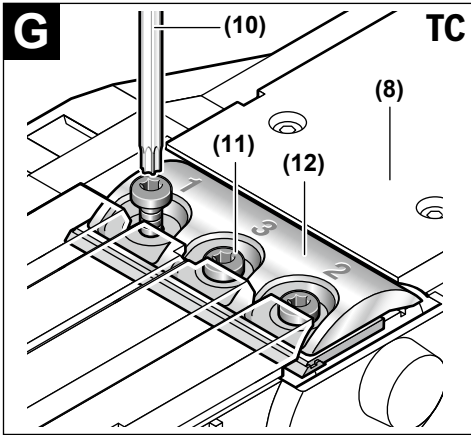
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- pt** Manual original
- zh** 正本使用说明书
- zh** 原始使用說明書
- th** หนังสือคู่มือการใช้งานฉบับต้นแบบ
- id** Petunjuk-Petunjuk untuk Penggunaan Orisinal
- vi** Bản gốc hướng dẫn sử dụng
- ar** دليل التشغيل الأصلي
- fa** دفترچه راهنمای اصلی



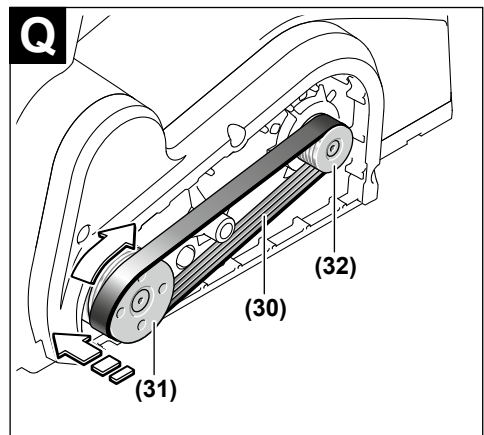
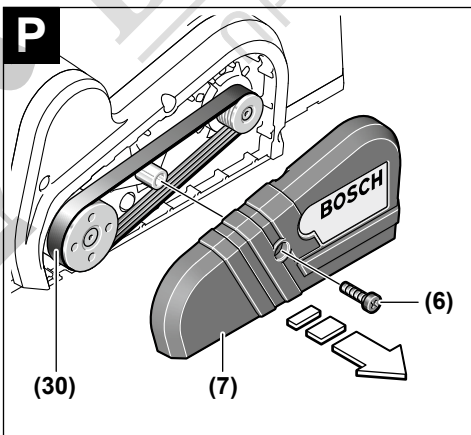
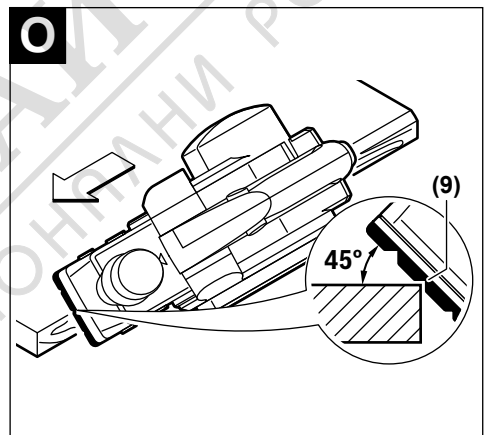
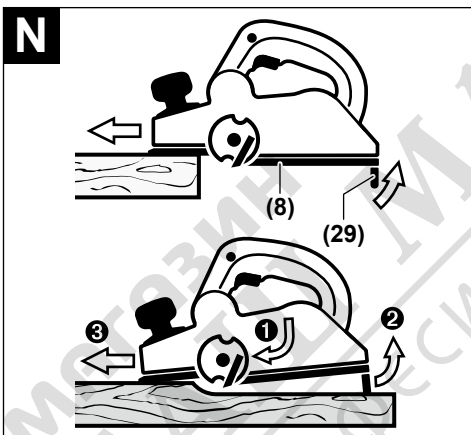
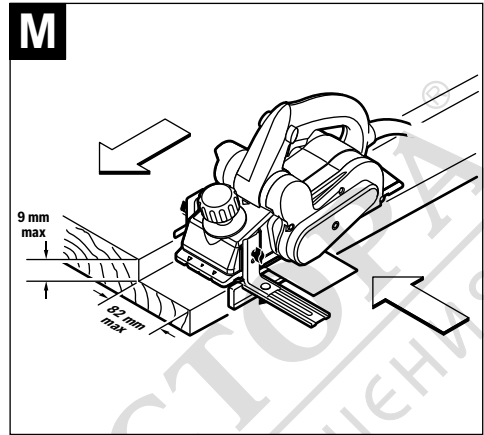
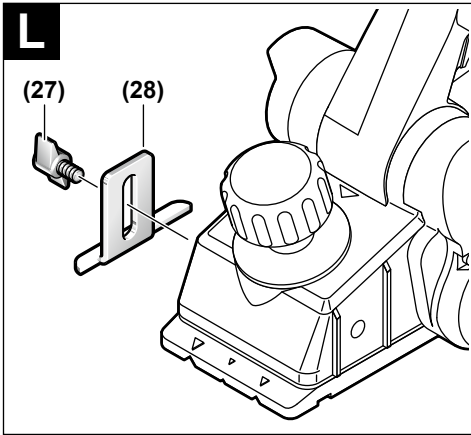
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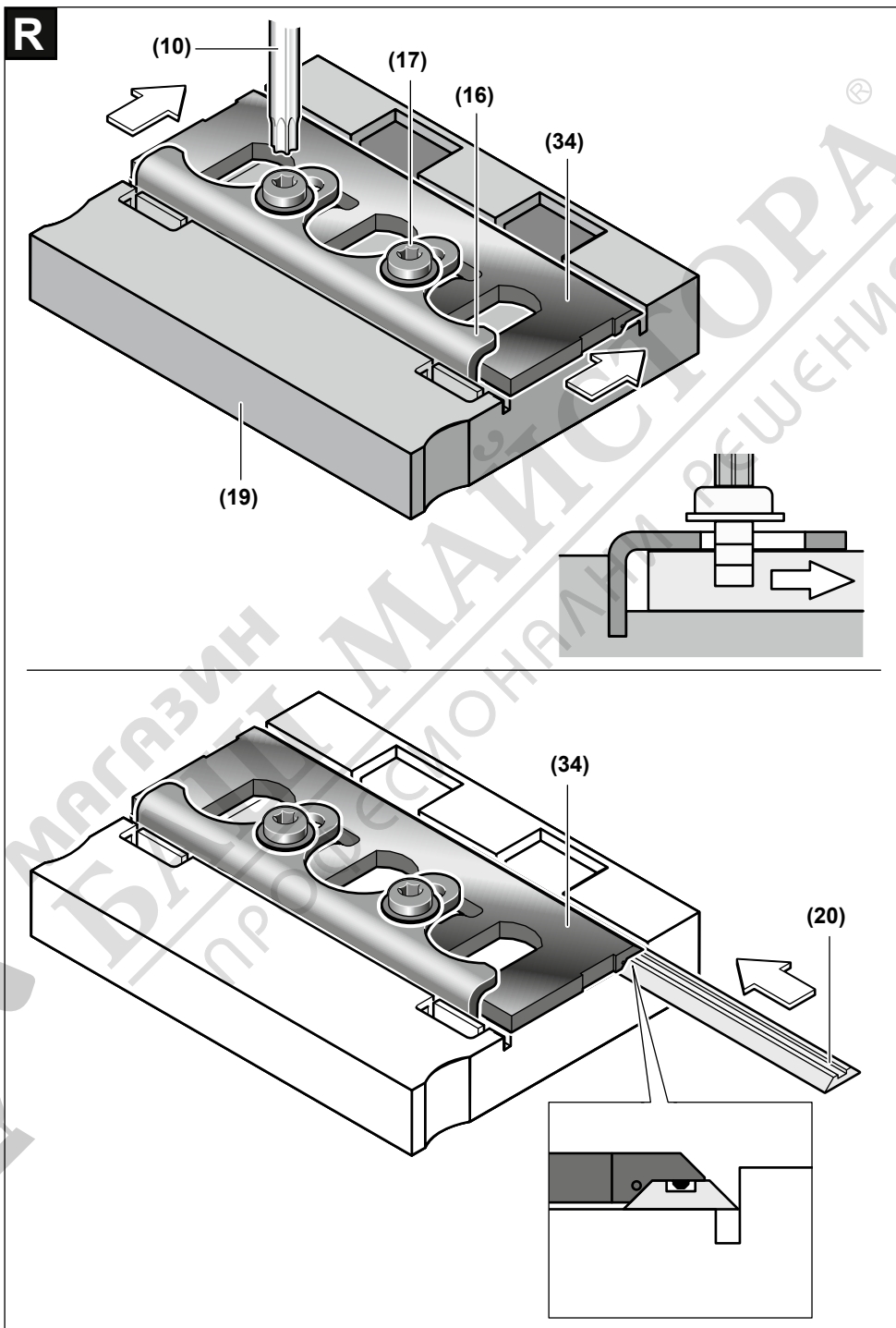
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## English

### 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 inatten-

tion while operating power tools may result in serious personal injury.

- ▶ **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- ▶ **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- ▶ **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- ▶ **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- ▶ **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- ▶ **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
- ▶ **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

#### Power tool use and care

- ▶ **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- ▶ **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- ▶ **Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- ▶ **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- ▶ **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.

- ▶ **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- ▶ **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
- ▶ **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

#### 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.

#### 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.

- ▶ **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.

## 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
- (4) Lock-on button for on/off switch
- (5) On/off switch
- (6) Screw for belt cover
- (7) Belt cover
- (8) Planer base plate
- (9) V-grooves
- (10) Torx key
- (11) Fastening screw for clamping jaw
- (12) Clamping jaw
- (13) Blade head
- (14) Guide groove for planer blade
- (15) HSS planer blade
- (16) HSS planer blade retaining clip
- (17) Fastening screw for HSS planer blade retaining clip
- (18) Sharpening aid for HSS planer blades
- (19) Setting gauge for HSS planer blades
- (20) HM/TC planer blade<sup>A)</sup>
- (21) Parallel guide
- (22) Scale for rebate width
- (23) Locking nut for rebate width setting
- (24) Fastening screw for parallel/angle guide
- (25) Angle guide<sup>A)</sup>
- (26) Locking nut for angle setting<sup>A)</sup>
- (27) Fastening screw for rebate depth guide<sup>A)</sup>



- (28) Rebate depth guide<sup>A)</sup>
- (29) Parking rest
- (30) Drive belt
- (31) Large belt wheel
- (32) Small belt wheel
- (33) Handle (insulated gripping surface)
- (34) Adapter for changing from HSS to TC planer blades<sup>A)</sup>

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

## Technical data

Planer		GHO 6500
Article number		<b>0 601 596 0..</b>
Rated power input	W	650
No-load speed	rpm	16,500
Cutting depth	mm	0–2.6
Rebate depth	mm	0–9
Max. planing width	mm	82
Weight according to EPTA Procedure 01:2014	kg	2.8
Protection class		□/II

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

## Fitting

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

### Choosing the Planer Blade

The power tool can be fitted with different planer blades. Fitting the adapter (34) (accessory) allows the power tool to be changed from HSS planer blades (15) to HM/TC planer blades (20).

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 HSS 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.

#### Removing the Planer Blades (see figures A–C)

- To replace the planer blades, turn the blade head (13) until the clamping jaw (12) is parallel with the planer base plate (8).
- Undo the three fastening screws (11) using the Torx key (10) and remove the clamping jaw (12).
- Push the retaining clip (16) together with the planer blade (15) out of the blade head (13) and/or the guide groove (14).

- Turn the blade head 180° and remove the second planer blade.

**Note:** Before changing or resharpening the planer blades, remove the retaining clip (16) by undoing the fastening screw (17).

#### Resharpening HSS Planer Blades (see figure D)

Worn or blunt HSS planer blades can be resharpened using the sharpening aid (18) (accessory) and a commercially available grinding stone.

Place both planer blades in the sharpening aid and clamp them firmly with the wing bolt. Make sure that both planer blades are pushed in fully.

Move the planer blades placed in the sharpening aid steadily across the grinding stone, applying light pressure.

**Note:** The planer blades must not be resharpened by more than 6 mm (i.e. to a minimum width of 23 mm). Both planer blades must be replaced when they reach this size.

#### Fitting the Planer Blades (see figures E–F)

Before putting the new or resharpened planer blades (back) in, clean the blade head (13) and, if necessary, the planer blade (15) and the retaining clip (16). If the planer blades are very gummy, clean them with ethanol or petroleum.

**Note:** New and resharpened planer blades must always be set to the correct height before fitting.

The setting gauge (19) is used to set the height of the planer blades. Place the planer blade (15) and the retaining clip (16) on the setting gauge. Make sure that the retaining clip (16) slots into the groove provided. Push the planer blade (15) against the guide and hold the retaining clip (16) in this position with the fastening screw (17). This will apply the correct height setting automatically.

The planer blade must be fitted and aligned with the **centre of the planer base plate (8)**. Then tighten the three fastening screws (11) using the Torx key (10), following the tightening sequence (① ② ③) specified on the clamping jaw (12).

**Note:** Check that the fastening screws (11) are firmly tightened before start-up. Turn the blade head (13) by hand and ensure that the planer blades are not brushing against anything.

### 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 (20) need to be changed. HM/TC planer blades must not be resharpened.

#### Removing the Planer Blades (see figures G–H)

- To turn or replace the planer blades, turn the blade head (13) until the clamping jaw (12) is parallel with the planer base plate (8).

- Undo the three fastening screws (11) using the Torx key (10) (approx. 1–2 turns). The clamping jaw (12) does not need to be removed.
- Turn the blade head slightly and use a piece of wood to push the planer blade (20) to the side and out of the blade head (13).
- Turn the blade head 180° and remove the second planer blade.

#### Fitting the Planer Blades (see figures I–J)

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 (13) and the planer blade (20).

When fitting the planer blade, ensure that it is correctly seated in the mounting guide of the blade head (13).

The planer blade must be fitted and aligned with the **centre of the planer base plate (8)**. Then tighten the three fastening screws (11) using the Torx key (10), following the tightening sequence (①②③) specified on the clamping jaw (12).

**Note:** Check that the fastening screws (11) are firmly tightened before start-up. Turn the blade head (13) by hand and ensure that the planer blades are not brushing against anything.

#### Using the HM/TC Adapter

##### Changing from HSS to HM/TC

The HM/TC adapter enables a planer fitted with HSS planer blades to be changed over to HM/TC planer blades.

- Unscrew the three fastening screws (11) using the Torx key (10) and remove the clamping jaw (12).
- Push the retaining clip (16) together with the planer blade (15) out of the blade head (13) and/or the guide groove (14).
- Remove the screws (17).
- Place the retaining clip (16) and the adapter (34) in the setting gauge (19). The retaining clip (16) must slot into the groove on the setting gauge (see figure R).
- Push the HM/TC planer blade (20) into the adapter (34) from the side. The ridge on the adapter (34) must slot into the groove on the HM/TC planer blade (see figure R).
- Tighten the screws (17).
- Insert the retaining clip (16) together with the adapter (34) and the planer blade (15) into the blade head (13) and/or the guide groove (14).
- Put the clamping jaw (12) on and insert the fastening screws (11), which do not yet need to be screwed in tightly.
- The planer blade must be fitted and aligned with the **centre of the planer base plate (8)**. Then tighten the three fastening screws (11) using the Torx key (10), following the tightening sequence (①②③) specified on the clamping jaw (12).

##### Changing from HM/TC to HSS

Planers fitted with HM/TC planer blades can be changed over to HSS planer blades.

- Unscrew the three fastening screws (11) using the Torx key (10) and remove the clamping jaw (12).
- Push the retaining clip (16) together with the planer blade (15) and/or the HM/TC adapter (34) out of the blade head (13).
- Remove the screws (17).
- Fit the assembled HSS planer blade (see "Fitting the Planer Blades (see figures E–F)", page 10) and align it with the **centre of the planer base plate (8)**.
- Put the clamping jaw (12) on and tighten the three fastening screws (11) using the Torx key (10), following the tightening sequence (①②③) specified on the clamping jaw (12).

##### Dust/chip extraction

The dust from materials such as lead paint, some types of wood, minerals and metal can be harmful to human health. Touching or breathing in this dust can trigger allergic reactions and/or cause respiratory illnesses in the user or in people in the near vicinity.

Certain dusts, such as oak or beech dust, are classified as carcinogenic, especially in conjunction with wood treatment additives (chromate, wood preservative). Materials containing asbestos may only be machined by specialists.

- Use a dust extraction system that is suitable for the material wherever possible.
  - Provide good ventilation at the workplace.
  - It is advisable to wear a P2 filter class breathing mask.
- 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.

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.

## Operation

### Operating modes

#### Setting the Cutting Depth

Using the knob (2), the cutting depth can be continuously adjusted between 0–2.6 mm with the aid of the cutting depth scale (1) (scale division = 0.1 mm).

#### Parking Rest (see figure N)

The parking rest (29) 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 (29) is raised and the rear section of the planer base plate (8) is uncovered.

### Start-up

- ▶ **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. Power tools marked with 230 V can also be operated with 220 V.**
- ▶ **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.

### Switching on/off

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

To **start** the power tool, press and hold the on/off switch (5).

Press the lock-on button (4) to **lock** the on/off switch (5) in this position.

To **switch off** the power tool, release the on/off switch (5); or, if the switch is locked with the lock-on button (4), briefly press the on/off switch (5) and then release it.

### Practical advice

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

### Planing Procedure (see figure N)

Set the required cutting depth and position the power tool with the front section of the planer base plate (8) 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 (29) also enables a continuation of the planing procedure following interruption at any point on the workpiece:

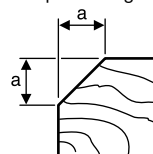
- Place the power tool – with parking rest folded down – onto the area of the workpiece that you will continue to work on.
- Switch the power tool on.
- Shift the contact pressure onto the front of the planer base plate and slowly slide the power tool forward (1). In doing so, the parking rest will swivel upwards and out of the way (2), 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 (3).

### Chamfering Edges (see figure O)

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



### Planing with the Parallel/Angle Guide (see figures K–M)

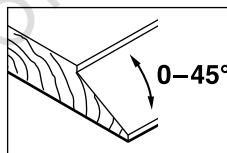
Attach the parallel guide (21) or the angle guide (25) to the power tool with the fastening screw (24). Depending on the application, attach the rebate depth guide (28) to the power tool with the fastening screw (27).

Loosen the locking nut (23) and set the desired rebate width on the scale (22). Retighten the locking nut (23).

Set the desired rebate depth accordingly using the rebate depth guide (28).

Carry out the planing procedure several times until the desired rebate depth has been achieved. Guide the planer with sideways contact pressure.

### Chamfering with angle guide



Use the angle setting (26) to set the necessary helix angle when chamfering grooves and surfaces.

## Maintenance

### and Servicing

#### 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.**

Keep the parking rest (29) 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 advice on using products" section for addresses.

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

**Changing the Drive Belt (see figures P-Q)**

Unscrew the screw (6) completely and take off the belt cover (7). Remove the worn drive belt (30).

Before fitting a new drive belt (30), clean the two belt wheels ((31) and (32)).

First place the new drive belt (30) onto the small drive wheel (32), and then press the drive belt (30) onto the large drive belt (31), turning it by hand.

Make sure that the drive belt (30) runs exactly in the lengthways grooves in the drive wheels ((31) and (32)).

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

**After-sales Service and Advice on Using Products**

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

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

[www.powertool-portal.de](http://www.powertool-portal.de), the internet portal for tradespeople and DIY enthusiasts.

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

**Cambodia**

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

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**Singapore**

Powerwell Service Centre Ptd Ltd  
Bosch Authorised Service Centre (Power Tools)  
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Singapore 569628  
Tel.: 6452 1770  
Fax: 6452 1760  
E-mail: [ask@powerwellsc.com](mailto:ask@powerwellsc.com)  
[www.powerwellsc.com](http://www.powerwellsc.com)  
[www.bosch-pt.com.sg](http://www.bosch-pt.com.sg)

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 E-mail: [tuvankhachhang-pt@vn.bosch.com](mailto:tuvankhachhang-pt@vn.bosch.com)  
[www.bosch-pt.com.vn](http://www.bosch-pt.com.vn)

#### **Armenia, Azerbaijan, Georgia, Kyrgyzstan, Mongolia, Tajikistan, Turkmenistan, Uzbekistan**

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#### **United Arab Emirates**

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#### Republic of South Africa

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Fax: (0800) 428570  
Outside AU and NZ:  
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www.bosch-pt.com.au  
www.bosch-pt.co.nz

#### 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.

## Français

### Consignes de sécurité

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

##### **AVERTISSEMENT**

**Lire tous les avertissements de sécurité, les instructions, les illustrations et les spécifications fournis avec cet outil électrique.**

Ne pas suivre les instructions énumérées ci-dessous peut provoquer un choc électrique, un incendie et/ou une blessure sérieuse.

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

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

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

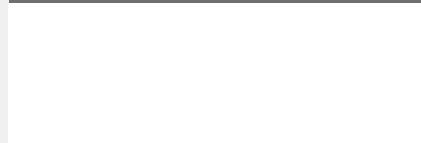
[www.bosch-pt.com](http://www.bosch-pt.com)

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