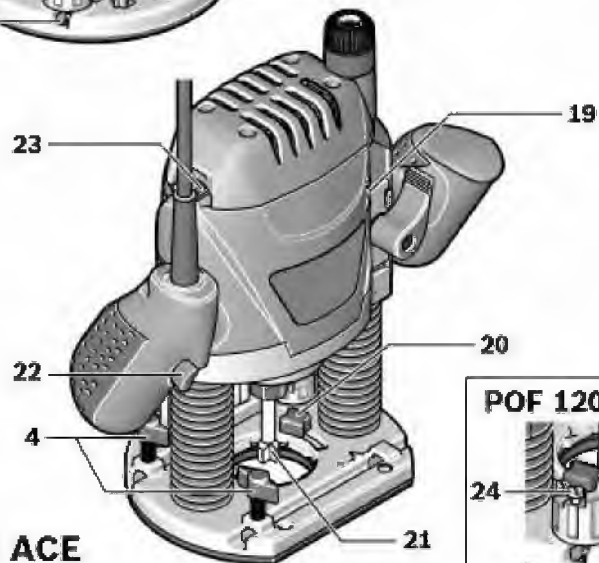
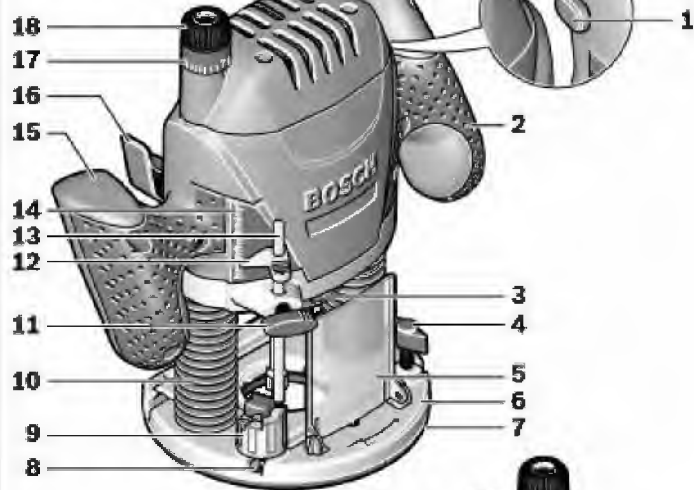


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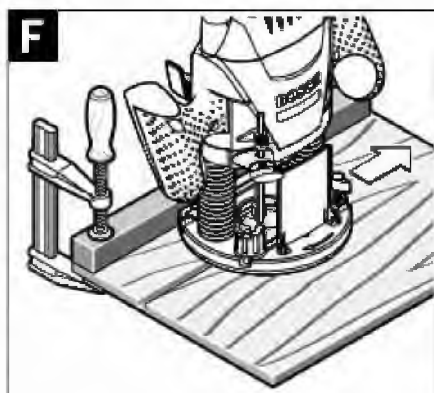
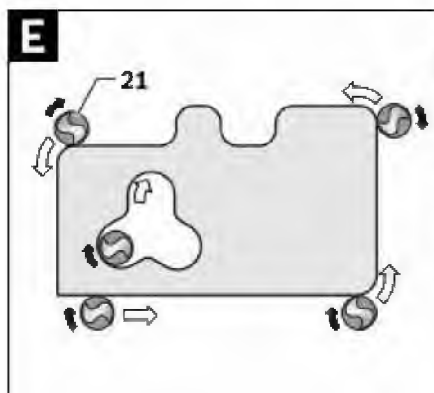
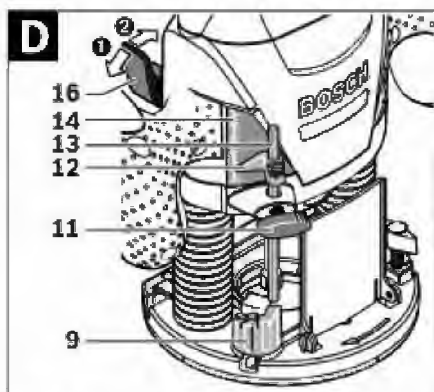
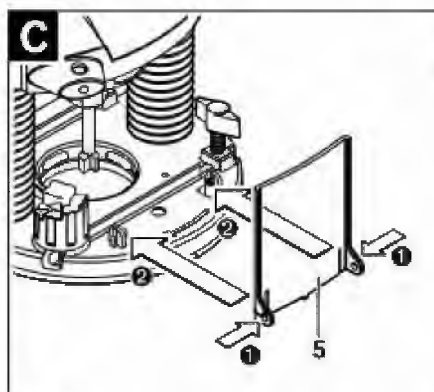
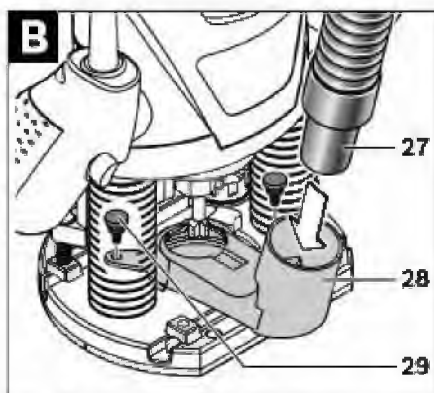
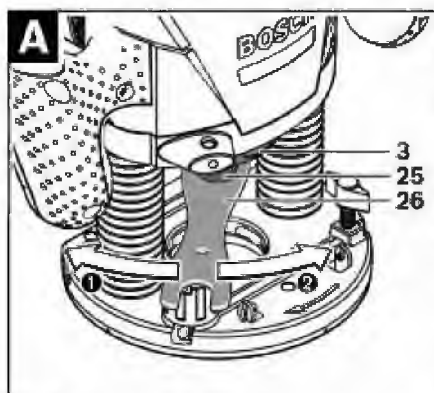
1200 AE | 1400 ACE

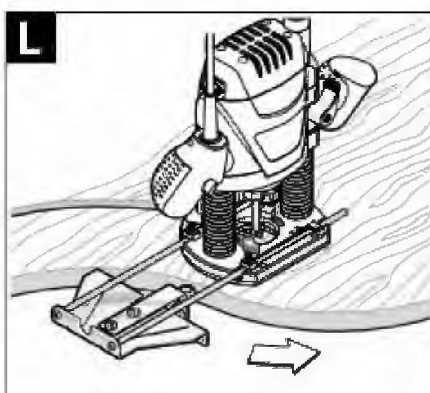
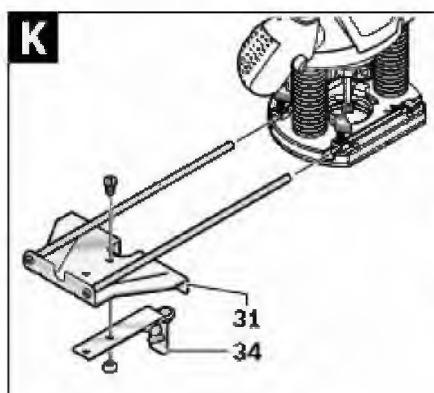
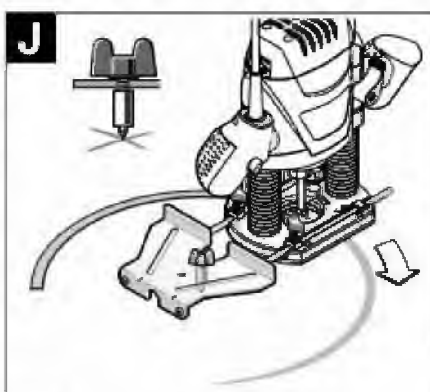
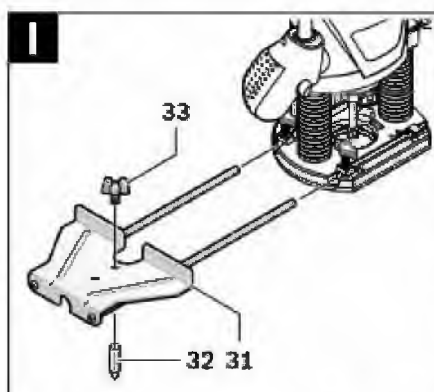
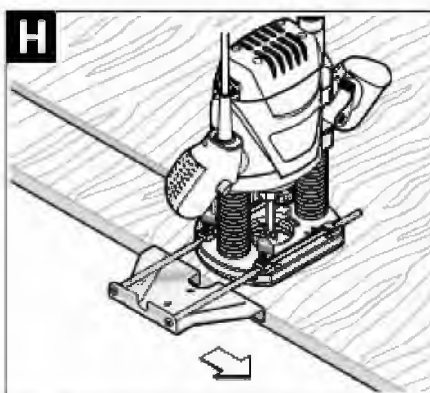
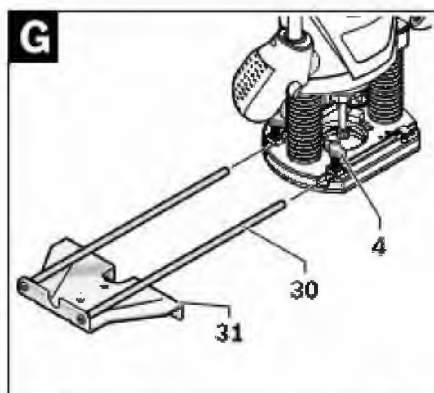


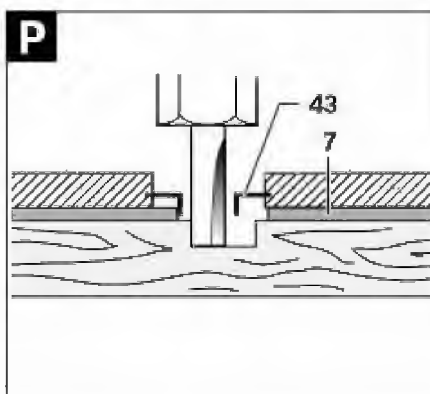
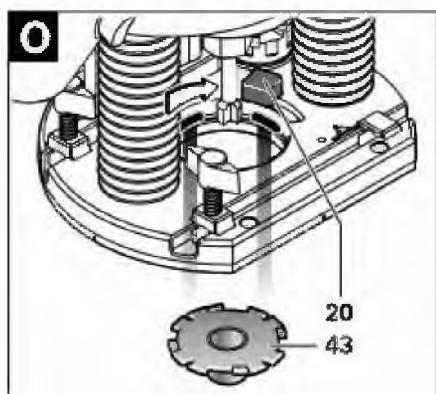
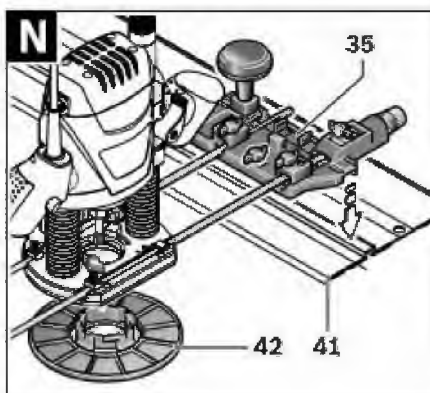
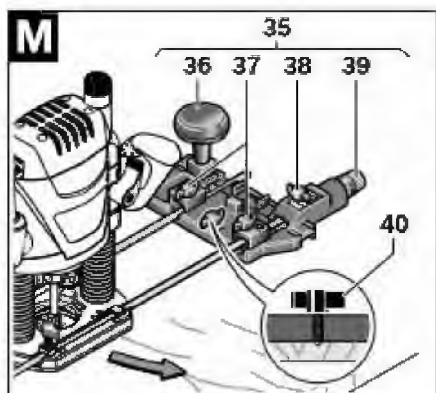
POF 1400 ACE

POF 1200 AE









- ▶ **Do not use blunt or damaged router bits.** Blunt or damaged router bits cause increased friction, can become jammed and lead to imbalance.
- ▶ **When working with the machine, always hold it firmly with both hands and provide for a secure stance.** The power tool is guided more secure with both hands.
- ▶ **Secure the workpiece.** A workpiece clamped with clamping devices or in a vice is held more secure than by hand.
- ▶ **Keep your workplace clean.** Blends of materials are particularly dangerous. Dust from light alloys can burn or explode.
- ▶ **Always wait until the machine has come to a complete stop before placing it down.** The tool insert can jam and lead to loss of control over the power tool.
- ▶ **Never use the machine with a damaged cable. Do not touch the damaged cable and pull the mains plug when the cable is damaged while working.** Damaged cables increase the risk of an electric shock.

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.

Products sold in AUS and NZ only: Use a residual current device (RCD) with a rated residual current of 30 mA or less.

Functional Description



Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Intended Use

The machine is intended for routing grooves, edges, profiles and elongated holes as well as for copy routing in wood, plastic and light building materials, while resting firmly on the workpiece. With reduced speed and with appropriate routing bits, non-ferrous alloys can also be machined.

Product Features

The numbering of the product features refers to the illustration of the machine on the graphics page.

- 1 Lock-off button for On/Off switch
- 2 Right handle
- 3 Spindle lock button
- 4 Wing bolt for guide rods of parallel guide (2x)*
- 5 Chip shield
- 6 Base plate
- 7 Guide plate
- 8 Seat for parallel guide rods
- 9 Step buffer
- 10 Dust boot
- 11 Wing bolt for depth stop adjustment
- 12 Slide with index mark
- 13 Depth stop
- 14 Scale for depth-of-cut
- 15 Left handle
- 16 Clamping lever for locking of routing depth
- 17 Scale for depth-of-cut fine adjustment (POF 1400 ACE)
- 18 Adjustment knob for depth-of-cut fine adjustment (POF 1400 ACE)
- 19 Mark for zeroing
- 20 Release lever for guide bushing
- 21 Router bit*
- 22 On/Off switch
- 23 Thumbwheel for speed preselection
- 24 Adjusting screws for step buffer (POF 1200 AE)
- 25 Tightening nut with collet
- 26 Open-end spanner, size 19 mm*
- 27 Extraction hose (Ø 35 mm)*

- 28 Extraction adapter*
- 29 Knurled screw for extraction adapter (2x)*
- 30 Guide rod for parallel guide (2x)*
- 31 Parallel guide*
- 32 Centring pin*
- 33 Wing bolt for centring pin*
- 34 Curve guide*
- 35 Router compass/guide-rail adapter*
- 36 Router compass handle*
- 37 Wing bolt for coarse adjustment of router compass (2x)*
- 38 Wing bolt for fine adjustment of router compass (1x)*
- 39 Fine-adjustment knob for router compass*
- 40 Centring screw*
- 41 Guide rail*
- 42 Base spacer (included in the "router compass" set)*
- 43 Guide bushing*
- *Accessories shown or described are not part of the standard delivery scope of the product. A complete overview of accessories can be found in our accessories program.

Technical Data

Plunge router		POF 1200 AE	POF 1400 ACE
Article number		3 603 B6A 0.1	3 603 B6C 7.1
Rated power input	W	1200	1400
No-load speed	min ⁻¹	11000–28000	11000–28000
Speed preselection		●	●
Constant electronic control		–	●
Connection for dust extraction		●	●
Tool holder	mm	6/8	6/8
	inch	¼	¼
Plunge depth	mm	55	55
Weight according to EPTA-Procedure 01/2003	kg	3.4	3.5
Protection class		□/II	□/II

The values given are valid for nominal voltages [U] of 230/240 V. For lower voltage and models for specific countries, these values can vary.

Please observe the article number on the type plate of your machine. The trade names of the individual machines may vary.

Noise/Vibration Information

Measured values determined according to EN 60745.

Typically the A-weighted noise levels of the product are: Sound pressure level 95 dB(A); Sound power level 106 dB(A). Uncertainty K=3 dB.

Wear hearing protection!

Vibration total values (tri-ax vector sum) determined according to EN 60745:

Vibration emission value a_{hv} = 6 m/s², Uncertainty K=2 m/s².

The vibration emission level given in this information sheet has been measured in accordance with a standardised test given in EN 60745 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure.

The declared vibration emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ. This may significantly increase the exposure level over the total working period.

An estimation of the level of exposure to vibration should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Identify additional safety measures to protect the operator from the effects of vibration such as: maintain the tool and the accessories, keep the hands warm, organisation of work patterns.

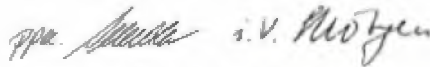
Declaration of Conformity

We declare under our sole responsibility that the product described under "Technical Data" is in conformity with the following standards or standardization documents: EN 60745 according to the provisions of the directives 2004/108/EC, 99/37/EC (until 28 Dec 2009), 2006/42/EC (from 29 Dec 2009).

Technical file at:

Robert Bosch GmbH, PT/ESC,
D-70745 Leinfelden-Echterdingen

Dr. Egbert Schneider Senior Vice President Engineering	Dr. Eckerhard Strötgen Head of Product Certification
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Robert Bosch GmbH, Power Tools Division
D-70745 Leinfelden-Echterdingen
30.06.2009

Assembly

- Before any work on the machine itself, pull the mains plug.

Inserting a Router Bit (see figure A)

- It is recommended to wear protective gloves when inserting or replacing router bits.

Depending on the application, router bits are available in the most different designs and qualities.

Router bits made of high speed steel (HSS) are suitable for the machining of soft materials, e. g. softwood and plastic.

Carbide tipped router bits (HM) are particularly suitable for hard and abrasive materials, e. g. hardwood and aluminium.

Original router bits from the extensive Bosch accessories program are available at your specialist shop.

Only use clean router bits that are in perfect condition.

- Fold the chip shield 5 down.
- Push the spindle lock button 3 and keep it pressed. If required, rotate the motor spindle by hand until it locks.
- Loosen the tightening nut 25 with the open-end spanner 26 (size 19 mm) by turning in rotation direction ①.
- Insert the router bit into the collet. The shank of the router bit must be immersed at least 20 mm into the collet.
- Tighten the tightening nut 25 with the open-end spanner 26 (size 19 mm) by turning in rotation direction ②. Release the spindle lock button 3.
- Fold the chip shield 5 up again.
- Do not insert a router bit with a diameter larger than 50 mm when the guide bushing is not mounted. Such router bits do not fit through the base plate.
- Do not tighten the tightening nut of the collet without a router bit inserted. Otherwise the collet can be damaged.

Dust/Chip Extraction (see figure B)

- Dusts from materials such as lead-containing coatings, some wood types, minerals and metal can be harmful to one's health. Touching or breathing-in the dusts can cause allergic reactions and/or lead to respiratory infections of the user or bystanders. Certain dusts, such as oak or beech dust, are considered as carcinogenic, especially in connection with wood-treatment additives (chromate, wood preservative). Materials containing asbestos may only be worked by specialists.

- Use dust extraction whenever possible.
- Provide for good ventilation of the working place.
- It is recommended to wear a P2 filter-class respirator.

Observe the relevant regulations in your country for the materials to be worked.

Mounting the Extraction Adapter

The extraction adapter 28 can be mounted with the hose connection to the front or to the rear. When mounting with the hose connection in front, the chip shield 5 must be removed first. Fasten the extraction adapter 28 with the two knurled screws 29 to the base plate 6.

To ensure optimum extraction, the extraction adapter 28 must be cleaned regularly.

Connecting the Dust Extraction

Insert an extraction hose (Ø 35 mm) 27 (accessory) into the mounted extraction adapter. Connect the extraction hose 27 to a vacuum cleaner (accessory).

The machine can be plugged directly into the receptacle of a Bosch all-purpose vacuum cleaner with remote starting control. The vacuum cleaner starts automatically when the machine is switched on.

The vacuum cleaner must be suitable for the material being worked.

When vacuuming dry dust that is especially detrimental to health or carcinogenic, use a special vacuum cleaner.

Mounting the Chip Shield (see figure C)

Insert the chip shield 5 from the front into the guide in such a manner that it engages. To remove the chip shield, grasp it by the sides and pull it off toward the front.

Operation

Starting Operation

- **Observe correct mains voltage!** The voltage of the power source must agree with the voltage specified on the nameplate of the machine. Power tools marked with 230 V can also be operated with 220 V.

Preselecting the Speed

The required speed can be preselected with the thumbwheel 23 (also while running).

- 1–2 low speed
- 3–4 medium speed
- 5–6 high speed

The values shown in the chart are standard values. The necessary speed depends on the material and the operating conditions, and can be determined by practical testing.

Material	Router bit diameter (mm)	Thumbwheel 23
Hardwood (Beech)	4–10	5–6
	12–20	3–4
	22–40	1–2
Softwood (Pine)	4–10	5–6
	12–20	3–6
	22–40	1–3
Particle Board	4–10	3–6
	12–20	2–4
	22–40	1–3
Plastics	4–15	2–3
	16–40	1–2
Aluminium	4–15	1–2
	16–40	1

Switching On and Off

Adjust the depth-of-cut before switching on or off; see Section "Adjusting the Depth-of-cut".

To **start** the machine, **first** push the lock-off button for the On/Off switch 1 and **then** press the On/Off switch 22 and **keep** it pressed.

POF 1400 ACE: A lamp illuminates the routing area.

To switch off the machine, **release** the On/Off switch 22.

POF 1400 ACE: The lamp slowly goes out.

Note: For safety reasons, the On/Off switch 22 cannot be locked; it must remain pressed during the entire operation.

Constant Electronic Control (POF 1400 ACE)

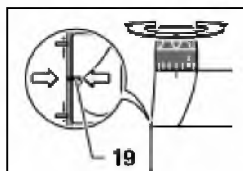
Constant electronic control holds the speed constant at no-load and under load, and ensures uniform working performance.

Adjusting the Depth-of-cut (see figure D)

► **The adjustment of the depth-of-cut may only be carried out when the router is switched off.**

For coarse adjustment of the depth-of-cut, proceed as follows:

- Place the machine with the router bit mounted on the workpiece to be machined.
- **POF 1400 ACE:**
- Set the fine-adjustment path to the centre position with the adjustment knob 18. For this, turn the adjustment knob 18 until the marks 19 match as shown in the figure. Afterwards, set the scale 17 to "0".



- Set the step buffer 9 to the lowest position; the step buffer engages noticeably.
- **POF 1200 AE:** Screw the adjusting screws for the step buffer 24 halfway in or out.
- Loosen the wing bolt for the depth stop 11 so that the depth stop 13 can be moved freely.
- Push the clamping lever for locking of routing depth 16 in rotation direction ➊ and and slowly lower the plunge router until the router bit 21 touches the surface of the workpiece. Let go of the clamping lever 16 again to lock this plunging depth.

If required, push the clamping lever 16 in rotation direction ➋ to lock it in place.

- Push the depth stop 13 downward until it rests on the step buffer 9. Set the slide with the index mark 12 to the "0" position on the scale for the depth-of-cut adjustment 14.
- Set the depth stop 13 to the required depth-of-cut and tighten the wing bolt for the depth stop 11. Pay attention not to misadjust the slide with the index mark 12 again.
- Push the clamping lever 16 in rotation direction ➌ and guide the router to the uppermost position.

For deep cuts, it is recommended to carry out several cuts, each with little material removal. By using the step buffer 9, the cutting process can be divided into several steps. For this, adjust the desired depth-of-cut with the lowest step of the step buffer and select the higher steps first for the initial cuts.

POF 1200 AE: The clearance of the steps can be changed by screwing the adjusting screws 24 further in or out.

Fine Adjustment of the Depth-of-cut (POF 1400 ACE)

After a trial cut, the depth-of-cut can be set exactly to the desired measure by turning the adjustment knob 18; turn in clockwise direction to increase the cutting depth and in anticlockwise direction to decrease the cutting depth. The scale 17 can be used for guidance. One full turn corresponds with a setting range of 2.0 mm; a graduation mark on the top edge of the scale 17 corresponds with a 0.1 mm change of the setting range. The maximum setting range is ± 8 mm.

Example: The desired depth-of-cut is to be 10.0 mm; the trial cut resulted in a cutting depth of 9.6 mm.

- Lift up the router and place, e. g., a piece of scrap wood under the guide plate 7 so that the router bit 21 cannot touch the workpiece when lowering it. Push clamping lever 16 in rotation direction ➌ and slowly lower the plunge router until the depth stop 13 faces against the step buffer 9.

- Turn the scale **17** to "0" and loosen wing bolt **11**.
- Turn the adjustment knob **18** by 0.4 mm/4 graduation marks (difference from set to actual value) in clockwise direction and tighten the wing bolt **11**.
- Check the selected depth-of-cut by carrying out another trial cut.

After adjusting the depth-of-cut, do not change the position of the slide **12** on the depth stop **13** any more, so that the actual cutting depth can be read on the scale **14**.

Fine Adjustment of the Depth-of-cut (POF 1200 AE)

Different depths-of-cut can be preset with the step buffer **9**. The adjustment is carried out in the same manner as previously described, with the difference that by screwing the adjusting screws **24** in or out, the height difference between the stops can be changed.

Working Advice

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

Direction of Feed and Routing Process (see figure E)

- **The routing process must always be carried out against the rotation direction of the router bit **21** (up-cutting motion). When routing in the direction with the rotation of the router (down-cutting), the machine can break loose, eliminating control by the user.**
- Adjust the required depth-of-cut; see Section "Adjusting the Depth-of-cut".
- Place the machine with the router bit mounted on the workpiece to be machined and switch the power tool on.
- Push clamping lever **16** down and slowly lower the plunge router until the adjusted depth-of-cut is reached. Let go of the clamping lever **16** again to lock this plunge depth.
If required, push clamping lever **16** up again to finally lock it in place.
- Carry out the routing process applying uniform feed.

- After finishing the cutting process, guide the plunge router upward again to the uppermost position.
- Switch the power tool off.

Routing with Auxiliary Guide (see figure F)

For working large workpieces, e. g. when routing grooves, a board or wood strip can be fastened to the workpiece as an auxiliary guide alongside which the router can be guided. Guide the router with the flattened side of the guide plate along the auxiliary guide.

Shaping or Molding Applications

For shaping or molding applications without the use of a parallel guide, the router bit must be equipped with a pilot or a ball bearing.

- Guide the switched on power tool from the side toward the workpiece until the pilot or the ball bearing of the router bit faces against the workpiece edge to be machined.
- Guide the power tool alongside the workpiece edge with both hands, paying attention that the router is positioned rectangular. Too much pressure can damage the edge of the workpiece.

Routing with Parallel Guide (see figures G-H)

Slide the parallel guide **31** with the guide rods **30** into the base plate **6** and tighten it as required with the wing bolts **4**.

Guide the switched on power tool with uniform feed and lateral pressure on the parallel guide alongside the workpiece edge.

Routing Circular Arc Profiles (see figures I-J)

Turn the parallel guide **31** around so that the facing surface of the parallel guide faces upward.

Slide the parallel guide **31** with the guide rods **30** into the base plate **6** and tighten it as required with the wing bolts **4**.

Fasten the centring pin **32** with the wing bolt **33** through the hole in the parallel guide **31**.

Pierce the centring pin **32** into the marked centre of the arc profile and carry out the routing process applying uniform feed.

Routing with the Curve Guide (see figures K – L)

Slide the parallel guide **31** with the guide rods **30** into the base plate **6** and tighten it as required with the wing bolts **4**.

Fasten the curve guide **34** with the guide roller mounted through the hole on the parallel guide **31**.

Guide the power tool with light lateral pressure alongside the workpiece edge.

Routing with the Router Compass (see figure M)

The router compass/guide-rail adapter **35** can be used for circular routing jobs. Mount the router compass as shown in the figure.

Screw the centring screw **40** into the thread on the router compass. Insert the point of the centring screw into the centre of the circular arc to be routed, paying attention that point of the screw engages into the workpiece surface.

Coarsely adjust the required radius by moving the router compass and tighten the wing bolts **37** and **38**.

The length can be fine adjusted with the fine-adjustment knob **39** after loosening the wing bolt **38**. One revolution corresponds with a setting range of 2.0 mm. One graduation mark on the fine-adjustment knob **39** changes the setting range by 0.1 mm.

Guide the switched on power tool over the workpiece with the right handle **2** and the router compass handle **36**.

Routing with Guide Rail (see figure N)

Straight routing cuts can be carried out with help of the guide rail **41**.

The base spacer **42** must be mounted in order to compensate the height difference.

Mount the router compass/guide-rail adapter **35** as shown in the figure.

Fasten the guide rail **41** to the workpiece with suitable clamping devices, e. g. screw clamps. Place the machine with the guide-rail adapter **35** mounted onto the guide rail.

Routing with Guide Bushing (see figures O – P)

The guide bushing **43** enables template and pattern routing on workpieces.

Choose a suitable guide bushing, depending on the thickness of the template or the pattern. Because of the projecting height of the guide bushing, the template must have a minimum thickness of 8 mm.

Actuate the release lever **20** and insert the guide bushing **43** from below into the base plate **6**. Ensure that the encoding keys clearly engage in the grooves of the guide bushing.

- ▶ **Select a router bit with a diameter smaller than the interior diameter of the guide bushing.**

For routing with the guide bushing **43** proceed as follows:

- Guide the switched on power tool with the guide bushing toward the template.
- Push clamping lever **16** down and slowly lower the plunge router until the adjusted depth-of-cut is reached. Let go of the clamping lever **16** again to lock this plunge depth. If required, push clamping lever **16** up again to finally lock it in place.
- Guide the switched on power tool with the protruding guide bushing alongside the template applying lateral pressure.

Maintenance and Service

Maintenance and Cleaning

- ▶ **Before any work on the machine itself, pull the mains plug.**
- ▶ **For safe and proper working, always keep the machine and ventilation slots clean.**
- ▶ **In extreme working conditions, conductive dust can accumulate in the interior of the machine when working with metal. The protective insulation of the machine can be degraded. The use of a stationary extraction system is recommended in such cases as well as frequently blowing out the ventilation slots and installing a residual current device (RCD).**

If the machine should fail despite the care taken in manufacturing and testing procedures, repair should be carried out by an after-sales service centre for Bosch power tools.

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

After-sales Service and Customer Assistance

Our after-sales service responds to your questions concerning maintenance and repair of your product as well as spare parts. Exploded views and information on spare parts can also be found under:

www.bosch-pt.com

Our customer service representatives can answer your questions concerning possible applications and adjustment of products and accessories.

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Bosch Headquarters

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Fax: +27 (011) 6 51 98 80
E-Mail: rbsa-hq.pts@za.bosch.com

Disposal

The machine, accessories and packaging should be sorted for environmental-friendly recycling.

Only for EC countries:

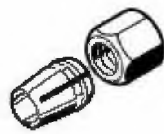


Do not dispose of power tools into household waste!

According to the European Guideline 2002/96/EC for Waste Electrical and Electronic Equipment and its implementation into national

right, power tools that are no longer usable must be collected separately and disposed of in an environmentally correct manner.

Subject to change without notice.



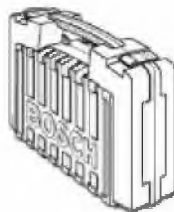
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1/4"	2 608 570 101
8 mm	2 608 570 102



13 mm	2 609 200 138
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24 mm	2 609 200 140
27 mm	2 609 200 141
30 mm	2 609 200 142



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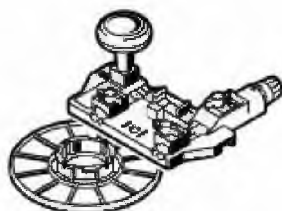
2 605 438 643



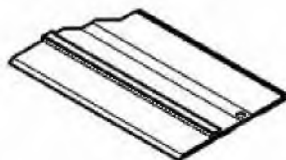
2 609 200 144 (L = 800 mm)



3 607 000 606



2 609 200 143



2 602 317 030 (L = 0,7 m)

2 602 317 031 (L = 1,4 m)



Ø 35 mm

3 m 2 607 002 149

5 m 2 607 002 150

PAS 11-21

PAS 12-27

PAS 12-27 F