



# AdvancedOrbit 18

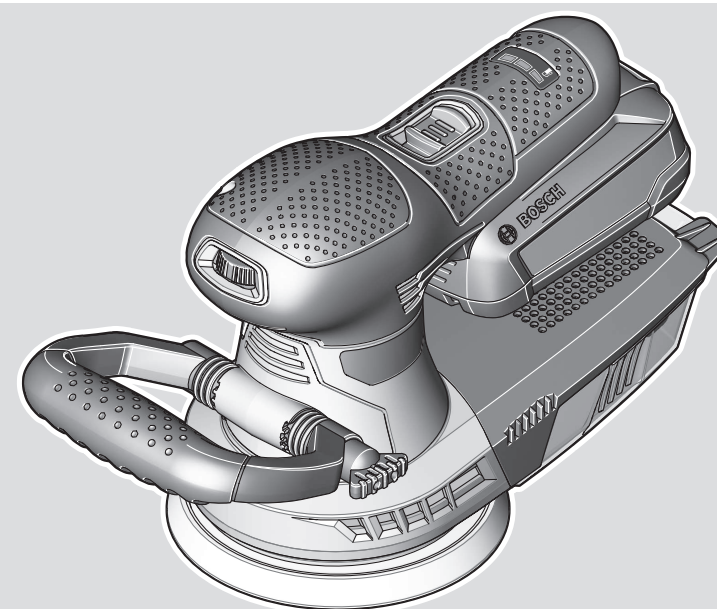
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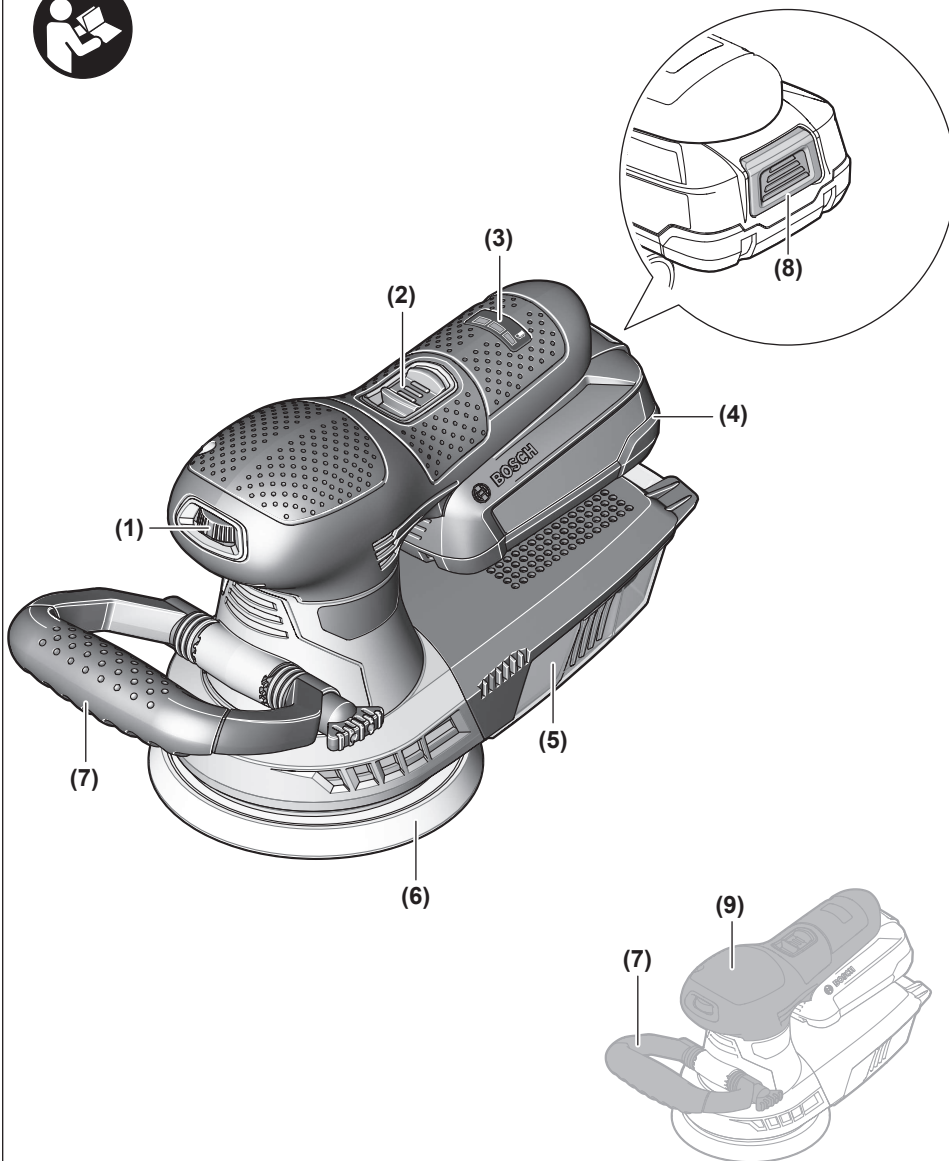
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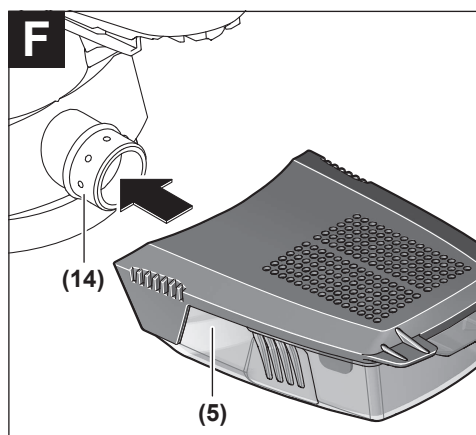
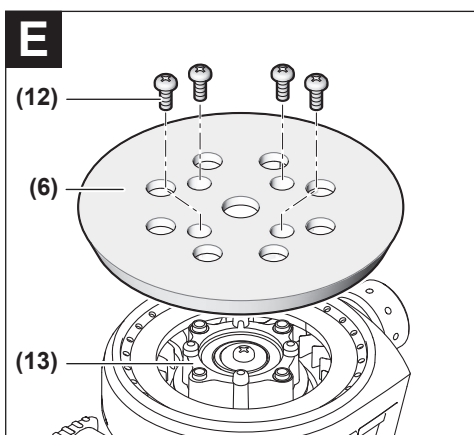
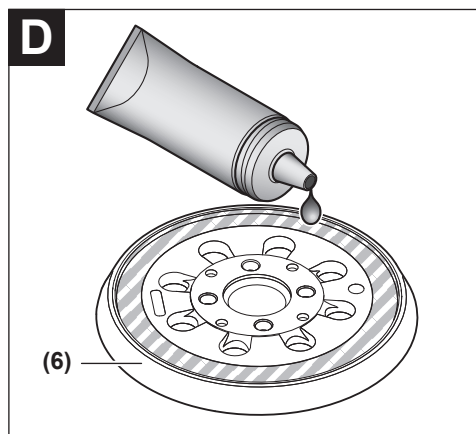
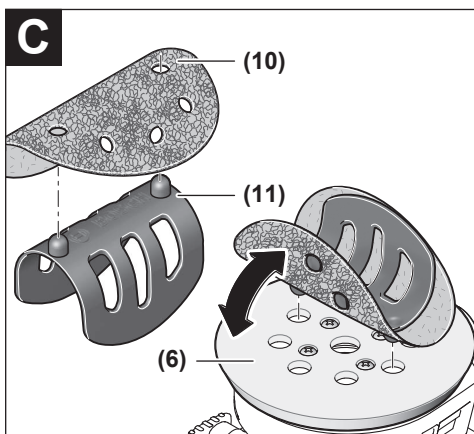
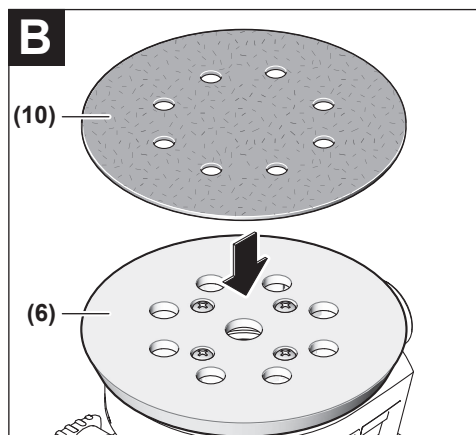
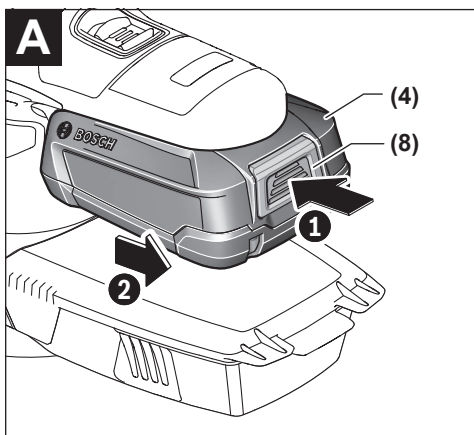
en Original instructions

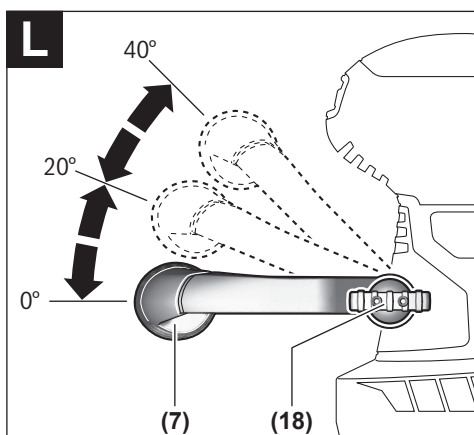
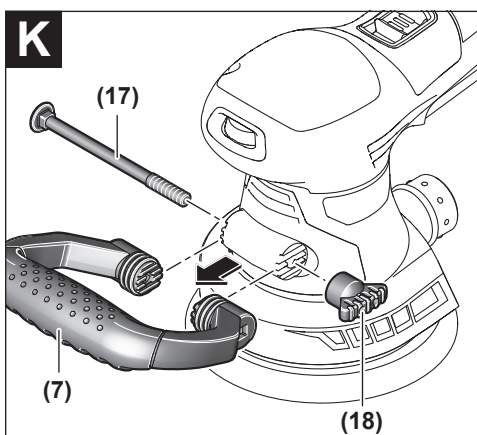
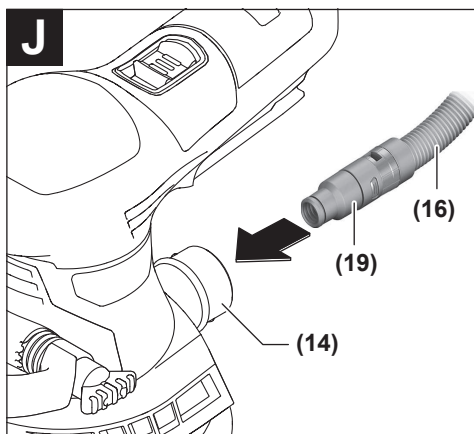
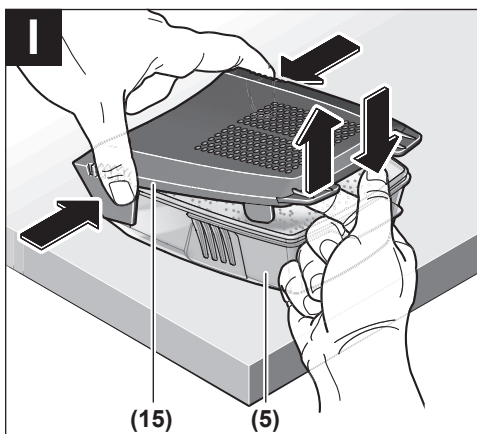
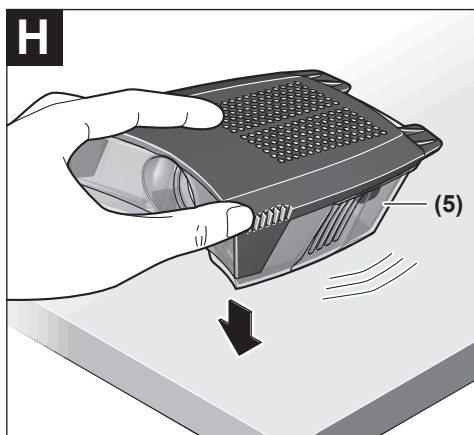
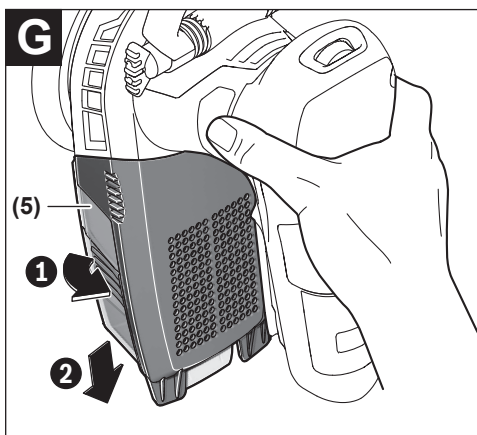






**AdvancedOrbit 18**





# 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.

#### 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 Warnings for Sander

- **Only use the power tool for dry sanding.** Water entering a power tool will increase the risk of electric shock.

- **Ensure that no persons are at risk due to flying sparks. Remove combustible materials from the surrounding area.** Flying sparks are created when sanding metals.
- **Warning: Danger of fire! Avoid overheating the workpiece and the sander. Always empty the dust collector before taking a break from work.** Sanding dust in the dust bag, microfilter, paper bag (or in the filter bag or vacuum cleaner filter) can spontaneously combust under certain conditions, for example if flying sparks are created when sanding metals. This risk is increased if the sanding dust is mixed with paint or polyurethane residue or with other chemical substances and if the workpiece is hot as a result of prolonged work.
- **Clean the air vents on your power tool regularly.** The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.
- **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.
- **Always wait until the power tool has come to a complete stop before placing it down.**
- **Secure the workpiece.** A workpiece clamped with clamping devices or in a vice is held more secure than by hand.
- **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 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 with products from the manufacturer.** 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 dry sanding of wood, plastic, metal, filler and varnished surfaces.

Power tools with electronic control are also suitable for polishing.

## Product Features

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

- (1) Orbital stroke rate preselection thumbwheel
- (2) On/off switch
- (3) Battery charge indicator
- (4) Rechargeable battery<sup>a)</sup>
- (5) Complete dust box (Microfilter system)
- (6) Sanding pad
- (7) Auxiliary handle (insulated gripping surface)
- (8) Battery release button<sup>a)</sup>
- (9) Handle (insulated gripping surface)
- (10) Sanding sheet<sup>a)</sup>
- (11) Alignment aid for sanding sheet<sup>a)</sup>
- (12) Screws for sanding disc
- (13) Sanding disc holder
- (14) Extraction outlet
- (15) Filter element (Microfilter system)
- (16) Extraction hose<sup>a)</sup>
- (17) Screw for auxiliary handle
- (18) Wing nut
- (19) Dust extraction adapter<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

Random orbit sander	AdvancedOrbit 18	
Article number		<b>3 603 CD2 0..</b>
Rated voltage	V~	18
Orbital stroke rate preselection		●
No-load speed $n_0$ <sup>A)</sup>	min <sup>-1</sup>	3000–12,000
No-load orbital stroke rate <sup>A)</sup>	min <sup>-1</sup>	6000–24,000
Orbit diameter	mm	3.2
Sanding pad diameter	mm	125
Weight according to EPTA-Procedure 01:2014 <sup>B)</sup>	kg	1.7 (1.3 Ah) – 1.8 (2.5 Ah)
Recommended ambient temperature during charging	°C	0 to +35

Random orbit sander	AdvancedOrbit 18	
Permitted ambient temperature during operation <sup>C)</sup> and during storage	°C	–20 to +50
Recommended rechargeable batteries		PBA 18V...W-.
Recommended battery chargers <sup>D)</sup>		AL 18...

A) Measured at 20–25 °C with rechargeable battery **PBA 18V 2.5Ah W-B**.

B) Depends on battery in use

C) Limited performance at temperatures <0 °C

D) The following chargers are not compatible with the PBA rechargeable battery: AL 1814 CV, AL 1820 CV, AL 1860 CV

## Noise/Vibration Information

Noise emission values determined according to **EN 62841-2-4**.

Typically, the A-weighted sound pressure level of the power tool is **77 dB(A)**. Uncertainty K = 3 dB. The noise level when working can exceed the volume stated. **Wear hearing protection!**

Vibration total values  $a_h$  (triax vector sum) and uncertainty K determined according to **EN 62841-2-4**:

$a_h = 4.5 \text{ m/s}^2$ , K = **1.5 m/s<sup>2</sup>**,

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 application tools 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 application tools, keeping their hands warm, and organising workflows correctly.

## Assembly

- **Remove the battery from the power tool before carrying out work on the power tool (e.g. maintenance, changing tool, etc.). The battery should also be removed for transport and storage.** There is risk of injury from unintentionally pressing the on/off switch.



## 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:** The battery is supplied partially charged. To ensure full battery capacity, fully charge the battery in the charger before using your power tool for the first time.

The lithium-ion battery can be charged at any time without reducing its service life. Interrupting the charging process does not damage the battery.

The lithium-ion battery is protected against deep discharge by the "Electronic Cell Protection (ECP)". When the battery is discharged, the power tool is switched off by means of a protective circuit: The application tool no longer rotates.

- **Do not continue to press the On/Off switch after the power tool has automatically switched off.** The battery can be damaged.

Follow the instructions on correct disposal.

## Removing the Battery (see figure A)

To remove the battery (4), press the release button (8) and pull the battery back and out of the power tool. **Do not use force to do this.**

## Battery Charge Indicator (3)

The battery charge indicator on the power tool consists of three green LEDs. It indicates the battery's state of charge for a few seconds after the power tool is switched on and off.

LED	Capacity
Continuous lighting 3 x green	≥ 66%
Continuous lighting 2 x green	33–66%
Continuous lighting 1 x green	11–33%
Slowly flashing light 1 x green	≤ 10%

**The three LEDs in the battery charge indicator flash quickly when the temperature of the battery is outside the operating temperature range of –30 to +65 °C and/or the overload protection has been triggered.**

## Choosing the Sanding Sheet

Select a sanding sheet with a grit suitable for how much material you want to remove. Bosch sanding sheets are suitable for paint, wood and metal.

	Use	Application	Grit	
<b>Sanding down (coarse sanding)</b>	<ul style="list-style-type: none"> <li>– Coarse sanding work with a high material removal rate</li> <li>– Removing old paint</li> </ul>	– Sanding down old paint, varnish and filler	Extra coarse	40
		– Removing thin paint	Coarse	60
		– Pre-sanding rough, unplanned surfaces		
<b>Preparing (intermediate sanding)</b>	<ul style="list-style-type: none"> <li>– Light sanding</li> <li>– Abrading surfaces for further processing later on</li> </ul>	– Sanding uneven surfaces to make them even	Medium	80
		– Removing marks left by coarse sanding		
		– Repairing surfaces before applying paint or varnish	Fine	120
<b>Fine sanding</b>	<ul style="list-style-type: none"> <li>– Intermediate paint sanding</li> <li>– Abrading flaws in the paintwork</li> </ul>	– Removing fibres from the surface	Very fine	180
		– Fine sanding before staining		
		– Abrading primer before painting	Extra fine	240

## Changing the Sanding Sheet (see figures B–C)

To remove the sanding sheet (10), lift it from the side and pull it from the sanding pad (6).

Remove dirt and dust from the sanding pad (6), e.g. with a paintbrush, before attaching a new sanding sheet.

The surface of the sanding pad (6) is fitted with a hook-and-loop fastening, allowing sanding sheets with a hook-and-loop backing to be secured quickly and easily.

Press the sanding sheet (10) firmly onto the underside of the sanding pad (6).

To ensure optimum dust extraction, make sure that the punched holes in the sanding sheet (10) are aligned with the drilled holes in the sanding pad (6).

You can use the alignment aid (11) to precisely align the sanding sheet (10) on the sanding pad (6). Place the sanding sheet onto the alignment aid with the hook-and-loop fastening facing upwards. Press the cams of the alignment

aid into the two holes in the sanding pad and unroll the sanding sheet from the alignment aid. Firmly press the sanding sheet into place.

**Note:** The sanding sheet must be positioned correctly in order to ensure low vibration of the power tool during operation.

## Selecting a Sanding Pad

The power tool can be fitted with sanding pads of various hardnesses, depending on the application:

- Medium sanding pad (black): Suitable for all sanding work, universal application.
- Soft sanding pad (grey, accessory): Suitable for intermediate and fine sanding even on curved surfaces.

## Changing the Sanding Pad (see figures D–E)

**Note:** Replace damaged sanding pads (6) immediately.

Remove the sanding sheet or polishing tool. Unscrew the four screws completely **(12)** and remove the sanding pad **(6)**.

Clean the top of the new sanding pad **(6)**. Lubricate the outer ring (shaded in grey in the figure) with a thin layer of synthetic grease.

Attach the new sanding pad **(6)** and retighten the four screws.

**Note:** Damaged sanding pads must only be replaced by an after-sales service centre authorised to work with Bosch power tools.

### 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.

### Self-generated Dust Extraction with Dust Box (see figures F–I)

Place the dust box **(5)** onto the extraction outlet **(14)** until it clicks into place.

You can easily check the filling level of the dust box **(5)** through the transparent container.

To empty the dust box **(5)**, rotate and pull it downwards.

Before opening the dust box **(5)**, knock the dust box against a firm surface as shown in the figure to loosen the dust from the filter element.

Holding the dust box **(5)** firmly, flap the filter element **(15)** upwards out of the way and empty the dust box. Use a soft brush to clean the flaps of the filter element **(15)**.

**Note:** In order to ensure optimum dust extraction, empty the dust box **(5)** in good time and clean the filter element **(15)** regularly.

When working on vertical surfaces, hold the power tool with the dust box **(5)** facing downwards.

### External Dust Extraction (see figure J)

Insert the dust extraction adapter **(19)** (accessory) into an extraction hose **(16)** (accessory) until you hear it click into place. Connect the dust extraction adapter **(19)** to the extraction outlet **(14)** on the power tool and the extraction hose **(16)** to a vacuum cleaner (accessory).

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

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

When working on vertical surfaces, hold the power tool with the dust extraction hose facing downwards.

### Auxiliary Handle (see figure K)

The auxiliary handle **(7)** enables comfortable handling and optimum power distribution, with a high sanding removal rate in particular.

You can remove the auxiliary handle in order to sand close to edges. Unscrew and remove the wing nut **(18)** and pull the screw **(17)** out of the housing. Then pull the auxiliary handle **(7)** off towards you.

To reinstall the auxiliary handle **(7)**, push it onto the housing from the front such that the ridges on the auxiliary handle engage in the recesses on the housing. Firmly fix the auxiliary handle in place using the screw **(17)** and the wing nut **(18)**.

### Adjusting the Auxiliary Handle (see figure L)

The auxiliary handle can be set to three positions. To change the position, loosen the wing nut **(18)** (by approx. 2–3 turns). Set the auxiliary handle and retighten the wing nut.

## Operation

### Starting Operation

#### Inserting the Battery

Push the charged battery **(4)** into the power tool from behind until the battery is securely locked.

#### Switching On/Off

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

To **switch on** the power tool, slide the on/off switch **(2)** forward so that “1” appears on the switch.

To **switch off** the power tool, slide the on/off switch **(2)** backward so that “0” appears on the switch.

#### Preselecting the orbital stroke rate

You can even preselect the orbital stroke rate during operation using the necessary orbital stroke rate preselection thumbwheel **(1)**.

- 1–2 Low orbital stroke rate
- 3–4 Medium orbital stroke rate
- 5–6 High orbital stroke rate

The required orbital stroke rate is dependent on the material and the work conditions and can be determined using practical tests.

After working at a low orbital stroke rate for an extended period, you should operate the power tool at the maximum orbital stroke rate for approximately three minutes without load to cool it down.

### Restart Protection

The restart protection feature prevents the power tool from uncontrolled starting after the power supply to it has been interrupted.

To **restart** the tool, set the on/off switch (2) to the off position and then switch the power tool on again.

### Working Advice

- **Remove the battery from the power tool before carrying out work on the power tool (e.g. maintenance, changing tool, etc.). The battery should also be removed for transport and storage.** There is risk of injury from unintentionally pressing the on/off switch.
- **Always wait until the power tool has come to a complete stop before placing it down.**
- **This power tool is not suitable for bench-mounted use.** It must not be clamped into a vice or fastened to a workbench, for example.

### Sanding Surfaces

Switch the power tool on, place the entire sanding surface against the surface of the workpiece and apply moderate pressure as you move the sander over the workpiece.

The material removal rate and sanding result are primarily determined by the choice of sanding sheet, the preselected orbital stroke rate level and the contact pressure.

Only immaculate sanding sheets achieve good sanding performance and make the power tool last longer.

Be sure to apply consistent contact pressure in order to increase the lifetime of the sanding sheets.

Excessively increasing the contact pressure will not lead to increased sanding performance, rather it will cause more severe wear of the power tool and of the sanding sheet.

Do not use a sanding sheet for other materials after it has been used to work on metal.

Use only original **Bosch**-sanding accessories.

### Rough Sanding

Attach a coarse grit sanding sheet.

Apply only light pressure to the power tool so that it runs at a higher orbital stroke rate and a higher material removal rate is achieved.

### Fine Sanding

Attach a fine grit sanding sheet.

You can reduce the sanding plate orbital stroke rate by lightly varying the contact pressure or changing the orbital stroke rate level; the random orbit motion will be retained.

Move the power tool with moderate pressure flat on the workpiece in a circular motion or alternately along and across it. Do not tilt the power tool in order to avoid sanding through the workpiece, e.g. veneers.

Switch the power tool off after completing operation.

### Polishing

For polishing up weathered paint and redressing scratches (e.g. acrylic glass), the power tool can be fitted with an appropriate polishing tool, e.g. lambswool bonnet, polishing felt or polishing sponge (accessory).

Select a low orbital stroke rate (level 1–4) when polishing in order to avoid heating up the surface excessively.

Apply the polish to an area slightly smaller than the area which you intend to polish. Using the appropriate polishing tool, work in the polish with either linear or circular movements and with moderate pressure.

Do not allow the polish to dry out on the surface; this may damage the surface. Do not expose the surface which you intend to polish to direct sunlight.

Clean the polishing tool regularly to ensure good polishing results. Wash the polishing tools with mild detergent and warm water; do not use thinning agents.

### Application Table

The figures in the table below are recommended values.

The best method for determining the best combination while sanding or polishing is practical experimentation.

Application	Grit (coarse/fine sanding)	Orbital stroke rate level
Abrading paint	180/240	2/3
Retouching paint	120/240	4/5
Removing paint	40/60	5
Softwood	40/240	5/6
Hardwood	60/240	5/6
Veneer	180/240	2–4
Aluminium	80/240	4/5
Steel	40/240	5
Derusting steel	40/120	6
Stainless steel	80/240	5
Stone	80/240	5/6

### 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.

## Maintenance and Service

### Maintenance and Cleaning

- **Remove the battery from the power tool before carrying out work on the power tool (e.g. maintenance, changing tool, etc.). The battery should also be removed for transport and storage.** 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.**

### After-Sales Service and Application Service

Our after-sales service responds to your questions concerning maintenance and repair of your product as well as spare parts. You can find explosion 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.

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

#### Great Britain

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At [www.bosch-pt.co.uk](http://www.bosch-pt.co.uk) you can order spare parts or arrange the collection of a product in need of servicing or repair.

Tel. Service: (0344) 7360109

E-Mail: [boschservicecentre@bosch.com](mailto:boschservicecentre@bosch.com)

#### You can find further service addresses at:

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

### Transport

The contained lithium-ion batteries are subject to the Dangerous Goods Legislation requirements. The batteries are suitable for road-transport by the user without further restrictions.

When shipping by third parties (e.g.: by air transport or forwarding agency), special requirements on packaging and labelling must be observed. For preparation of the item being shipped, consulting an expert for hazardous material is required.

Dispatch battery packs only when the housing is undamaged. Tape or mask off open contacts and pack up the battery in such a manner that it cannot move around in the packaging. Please also observe the possibility of more detailed national regulations.

### 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:

According to the Directive 2012/19/EU, power tools that are no longer usable, and according to the Directive 2006/66/EC, defective or used battery packs/batteries, must be collected separately and disposed of in an environmentally correct manner.

#### Battery packs/batteries:

##### Li-ion:

Please observe the notes in the section on transport (see "Transport", page 12).



**EasyVac 3**  
0 603 3D1 0..



**UniversalVac 15**  
0 603 3D1 1..



**AdvancedVac 20**  
0 603 3D1 2..



Ø 35 mm:  
2 609 256 F29 (2,2 m)



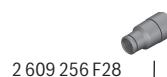
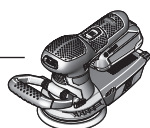
Ø 35 mm:  
2 609 256 F30 (2,2 m)



Ø 19 mm:  
2 609 256 F38 (2 m)



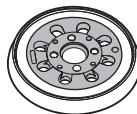
2 609 256 F28



2 609 256 F28



2 609 256 051



2 609 256 B62



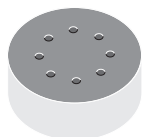
2 609 256 049



2 609 256 B61



2 609 256 054






2 608 601 126

<b>de</b>	<b>EU-Konformitätserklärung</b> <b>Exzenterschleifer</b> Sachnummer	Wir erklären in alleiniger Verantwortung, dass die genannten Produkte allen einschlägigen Bestimmungen der nachfolgend aufgeführten Richtlinien und Verordnungen entsprechen und mit folgenden Normen übereinstimmen. Technische Unterlagen bei: *
<b>en</b>	<b>EU Declaration of Conformity</b> <b>Random orbit sander</b> Article number	We declare under our sole responsibility that the stated products comply with all applicable provisions of the directives and regulations listed below and are in conformity with the following standards. Technical file at: *
<b>fr</b>	<b>Déclaration de conformité UE</b> <b>Ponceuse excentrique</b> N° d'article	Nous déclarons sous notre propre responsabilité que les produits décrits sont en conformité avec les directives, règlements normatifs et normes énumérés ci-dessous. Dossier technique auprès de : *
<b>es</b>	<b>Declaración de conformidad UE</b> <b>Lijadora excéntrica</b> N° de artículo	Declaramos bajo nuestra exclusiva responsabilidad, que los productos nombrados cumplen con todas las disposiciones correspondientes de las Directivas y los Reglamentos mencionados a continuación y están en conformidad con las siguientes normas. Documentos técnicos de: *
<b>pt</b>	<b>Declaração de Conformidade UE</b> <b>Lixadeira excêntrica</b> N.º do produto	Declaramos sob nossa exclusiva responsabilidade que os produtos mencionados cumprem todas as disposições e os regulamentos indicados e estão em conformidade com as seguintes normas. Documentação técnica pertencente à: *
<b>it</b>	<b>Dichiarazione di conformità UE</b> <b>Levigatrice rotoorbitale</b> Codice prodotto	Dichiariamo sotto la nostra piena responsabilità che i prodotti indicati sono conformi a tutte le disposizioni pertinenti delle Direttive e dei Regolamenti elencati di seguito, nonché alle seguenti Normative. Documentazione Tecnica presso: *
<b>nl</b>	<b>EU-conformiteitsverklaring</b> <b>Excenterschuurmachine</b> Productnummer	Wij verklaren op eigen verantwoordelijkheid dat de genoemde producten voldoen aan alle desbetreffende bepalingen van de hierna genoemde richtlijnen en verordeningen en overeenstemmen met de volgende normen. Technisch dossier bij: *
<b>da</b>	<b>EU-overensstemmelseserklæring</b> <b>Excentersliber</b> Typenummer	Vi erklærer som eneansvarlige, at det beskrevne produkt er i overensstemmelse med alle gældende bestemmelser i følgende direktiver og forordninger og opfylder følgende standarder. Tekniske bilag ved: *
<b>sv</b>	<b>EU-konformitetsförklaring</b> <b>Excenterslip</b> Produktnummer	Vi förklarar under eget ansvar att de nämnda produkterna uppfyller kraven i alla gällande bestämmelser i de nedan angivna direktiven och förordningarna och att de stämmer överens med följande normer. Teknisk dokumentation: *
<b>no</b>	<b>EU-samsvarserklæring</b> <b>Eksentersliper</b> Produktnummer	Vi erklærer under eneansvar at de nevnte produktene er i overensstemmelse med alle relevante bestemmelser i direktivene og forordningene nedenfor og med følgende standarder. Teknisk dokumentasjon hos: *
<b>fi</b>	<b>EU-vaatimustenmukaisuusvakuutus</b> <b>Epäkeskohoimakone</b> Tuotenumero	Vakuutamme täten, että mainitut tuotteet vastaavat kaikkia seuraavien direktiivien ja asetusten asiaankuuluvia vaatimuksia ja ovat seuraavien standardien vaatimusten mukaisia. Tekniset asiakirjat saatavana: *
<b>el</b>	<b>Δήλωση πιστότητας ΕΕ</b> <b>Έκκεντρο τριβείο</b> Αριθμός ευρετηρίου	Δηλώνουμε με αποκλειστική μας ευθύνη, ότι τα αναφερόμενα προϊόντα αντιστοιχούν σε όλες τις σχετικές διατάξεις των πιο κάτω αναφερόμενων οδηγιών και κανονισμών και ταυτίζονται με τα ακόλουθα πρότυπα. Τεχνικά έγγραφα στη: *
<b>tr</b>	<b>AB Uygunluk beyanı</b> <b>Eksantrik zımpara makinesi</b> Ürün kodu	Tek sorumlu olarak, tanımlanan ürünün aşağıdaki yönetmelik ve direktiflerin geçerli bütün hükümlerine ve aşağıdaki standartlara uygun olduğunu beyan ederiz. Teknik belgelerin bulunduğu yer: *



<b>pl</b>	<b>Deklaracja zgodności UE</b> <b>Szlifyerka mi- mośrodowa</b>	Numer katalogowy	Oświadczamy z pełną odpowiedzialnością, że niniejsze produkty odpowiadają wszystkim wymaganiom poniżej wyszczególnionych dyrektyw i rozporządzeń, oraz że są zgodne z następującymi normami. Dokumentacja techniczna: *
<b>cs</b>	<b>EU prohlášení oshodě</b> <b>Excentrická brus- ka</b>	Objednací číslo	Prohlašujeme na výhradní zodpovědnost, že uvedený výrobek splňuje všech- na příslušná ustanovení níže uvedených směrnic anarižení aje vsouladu snás- ledujícími normami: Technické podklady u: *
<b>sk</b>	<b>EÚ vyhlásenie ozhode</b> <b>Excentrická brús- ka</b>	Vecné číslo	Vyhlasujeme na výhradnú zodpovednosť, že uvedený výrobok spĺňa všetky príslušné ustanovenia nižšie uvedených smerníc anariadení aje vsúlade snás- ledujúcimi normami: Technické podklady má spoločnosť: *
<b>hu</b>	<b>EU konformitási nyilatkozat</b> <b>Excenteres csis- zológép</b>	Cikkszám	Egyedüli felelősséggel kijelentjük, hogy a megnevezett termék megfelelnek az alábbiakban felsorolásra kerülő irányelvek és rendeletek valamennyi ide- vágó előírásainak és megfelelnek a következő szabványoknak. Műszaki dokumentumok megőrzési pontja: *
<b>ru</b>	<b>Заявление о соответствии ЕС</b> <b>Эксцентрикoвая шлифовальная машина</b>	Товарный №	Мы заявляем под нашу единоличную ответственность, что названные продукты соответствуют всем действующим предписаниям нижеуказанных директив и распоряжений, а также нижеуказанных норм. Техническая документация хранится у: *
<b>uk</b>	<b>Заява про відповідність ЄС</b> <b>Ексцентрикова шлифмашина</b>	Товарний номер	Мизаявляємо під нашу одноособову відповідальність, що названі вироби відповідають усім чинним положенням нищезначених директив і розпоряджень, а також нищезначеним нормам. Технічна документація зберігається у: *
<b>kk</b>	<b>ЕО сәйкестік мағлұмдамасы</b> <b>Эксцентриктік ажарлағыш</b>	Өнім нөмірі	Өз жауапкершілікпен біз аталған өнімдер төменде жьылған директикалар мен жарлықтардың тиісті қағидаларына сәйкестігін және төмендегі нормаларға сай екенін білдіреміз. Техникалық құжаттар: *
<b>ro</b>	<b>Declarație de conformitate UE</b> <b>Şlefuitor cu ex- centric</b>	Număr de identificare	Declarăm pe proprie răspundere că produsele menționate corespund tutu- ror dispozițiilor relevante ale directivelor și reglementărilor enumerate în ce- le ce urmează și sunt în conformitate cu următoarele standarde. Documentație tehnică la: *
<b>bg</b>	<b>ЕС декларация за съответствие</b> <b>Ексцентрикова шлифоваща машина</b>	Каталожен номер	С пълна отговорност ние декларираме, че посочените продукти отговарят на всички валидни изисквания на директивите и разпоредбите по-долу и съответства на следните стандарти. Техническа документация при: *
<b>mk</b>	<b>EU-Изјава за сообразност</b> <b>Ексцентрична брусилка</b>	Број на дел/артикл	Со целосна одговорност изјавуваме, дека опишаните производи се во согласност со сите релевантни одредби на следните регулативи и прописи и се во согласност со следните норми. Техничка документација кај: *
<b>sr</b>	<b>EU-izjava o usaglašenosti</b> <b>Ekscentar brusili- ca</b>	Broj predmeta	Na sopstvenu odgovornost izjavljujemo, da navedeni proizvodi odgovaraju svim dotičnim odredbama naknadno navedenih smernica u uredaba i da su u skladu sa sledećim standardima. Tehnička dokumentacija kod: *
<b>sl</b>	<b>Izjava o skladnosti EU</b> <b>Ekscentrični brusilnik</b>	Številka artikla	Izjavljamo pod izključno odgovornostjo, da je omenjen izdelek v skladu z vse- mi relevantnimi določili direktiv in uredb ter ustreza naslednjim standardom. Tehnična dokumentacija pri: *
<b>hr</b>	<b>EU izjava o sukladnosti</b> <b>Ekscentarska brusilica</b>	Kataloški br.	Pod punom odgovornošću izjavljujemo da navedeni proizvodi odgovaraju svim relevantnim odredbama direktiva i propisima navedenima u nastavku i da su sukladni sa sljedećim normama. Tehnička dokumentacija se može dobiti kod: *
<b>et</b>	<b>EL-vastavusdeklaratsioon</b>		Kinnitame ainuvastutajatena, et nimetatud tooted vastavad järgnevalt loetle- tud direktiivide ja määruste kõikidele asjaomastele nõuetele ja on kooskõlas

<b>Ekstsentrīklīhvija</b> Tootenumber		jārgmiste normidega. Tehnilised dokumendid saadaval: *	
lv	<b>Deklarācija par atbilstību ES standartiem</b>	Mēs ar pilnu atbildību paziņojam, ka šeit aplūkotie izstrādājumi atbilst visiem tālāk minētajās direktīvās un rīkojumos ietvertajām saistošajām nostādņēm, kā arī sekojošiem standartiem.	
	<b>Ekscentra slīpmašina</b> Izstrādājuma numurs	Tehniskā dokumentācija no: *	
lt	<b>ES atitikties deklarācija</b>	Atsakingai pareiškiam, kad išvardyti gaminiai atitinka visus privalomus žemiau nurodytų direktyvų ir reglamentų reikalavimus ir šiuos standartus.	
	<b>Ekscentrinis šlifoklis</b> Gaminio numeris	Techninė dokumentacija saugoma: *	
<b>AdvancedOrbit 18</b>		2006/42/EC 2014/30/EU 2011/65/EU	EN 62841-1:2015 EN 62841-2-4:2014 EN 55014-1:2017+A11:2020 EN 55014-2:2015 EN IEC 63000:2018
		 <b>BOSCH</b>	* Robert Bosch Power Tools GmbH (PT/ECS) 70538 Stuttgart GERMANY
		Henk Becker Chairman of Executive Management	Helmut Heinzelmann Head of Product Certification
			
		Robert Bosch Power Tools GmbH, 70538 Stuttgart, GERMANY Stuttgart, 05.10.2020	