



Professional

GOP 18V-34

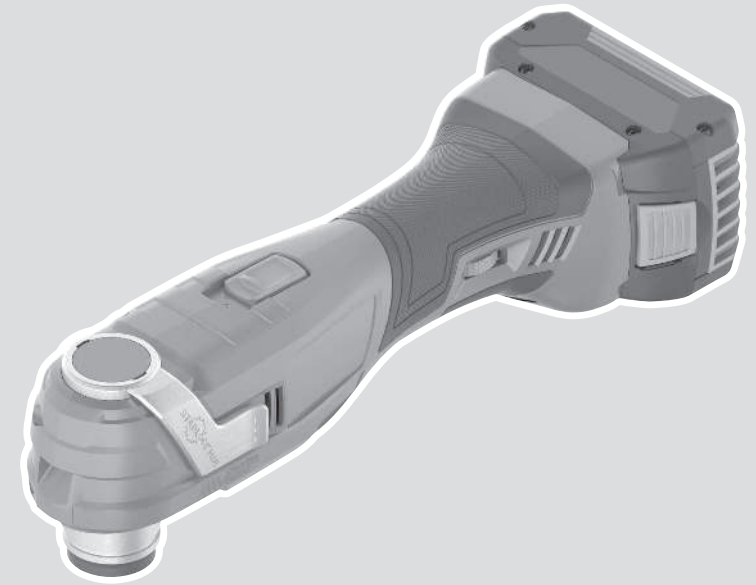
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en Original instructions







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English

Safety Instructions

General Power Tool Safety Warnings

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

Save all warnings and instructions for future reference.

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

Work area safety

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

Electrical safety

- ▶ **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.

Personal safety

- ▶ **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- ▶ **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- ▶ **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or engaging 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 information for multi-cutters

- ▶ **Hold the power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring.** Cutting accessory contacting 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 hand or against your body leaves it unstable and may lead to loss of control.
- ▶ **Only use the power tool for dry sanding.** Water entering a power tool will increase the risk of electric shock.
- ▶ **Warning: Danger of fire! Avoid overheating the workpiece and the sander. Always empty the dust container before taking a break from work.** Sanding dust in the filter bag or vacuum cleaner filter can spontaneously ignite under unfavourable conditions, such as when sparks are created when grinding metal. 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.

- ▶ **Keep hands away from the sawing area. Do not reach under the workpiece.** Contact with the saw blade can lead to injuries.
- ▶ **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.
- ▶ **Use suitable detectors to determine if there are hidden supply lines or contact the local utility company for assistance.** Contact with electric cables can cause fire and electric shock. Damaging gas lines can lead to explosion. Breaking water pipes causes property damage.
- ▶ **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.
- ▶ **When changing the application tool, wear protective gloves.** Application tools can become hot when used for prolonged periods of time.
- ▶ **Do not treat the surface you will be working on with any fluids that contain solvents.** Poisonous vapours may develop due to the materials heating up when being scraped.
- ▶ **Take particular care when handling scrapers and blades.** The accessories are very sharp. Danger of injury.
- ▶ **In case of damage and improper use of the battery, vapours may be emitted. The battery can set alight or explode.** Ensure the area is well ventilated and seek medical attention should you experience any adverse effects. The vapours may irritate the respiratory system.
- ▶ **Do not modify or open the battery.** There is a risk of short-circuiting.
- ▶ **The battery can be damaged by pointed objects such as nails or screwdrivers or by force applied externally.** An internal short circuit may occur, causing the battery to burn, smoke, explode or overheat.
- ▶ **Only use the battery in the manufacturer's products.** This is the only way in which you can protect the battery against dangerous overload.



Protect the battery against heat, e.g. against continuous intense sunlight, fire, dirt, water and moisture. There is a risk of explosion and short-circuiting.

Product Description and Specifications



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

Please observe the illustrations at the beginning of this operating manual.

Intended use

The power tool is intended for sawing and cutting wood-based materials, plastic, plasterboard, non-ferrous metals and mounting elements (e.g. non-hardened nails, clamps). It is also suitable for working on soft wall tiles, removing joints and dry sanding and scraping of small areas. It is ideal for working close to edges and flush with surfaces. The power tool must only be operated using Bosch accessories.

Product features

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

- (1) Handle (insulated gripping surface)
- (2) On/off switch
- (3) Rechargeable battery^{a)}
- (4) Rechargeable battery release button^{a)}
- (5) Ventilation slots
- (6) Oscillation speed rate preselection thumbwheel
- (7) Starlock lever for unlocking accessories
- (8) Accessory holder
- (9) Worklight
- (10) Depth stop^{a)}
- (11) Clamping lever for depth stop^{a)}
- (12) Plunge cut saw blade^{a)}
- (13) Dust extraction system without Click & Clean connection^{a)}
- (14) Dust extraction system with Click & Clean connection^{a)}
- (15) Sanding plate^{a)}
- (16) Abrasive disc^{a)}
- (17) Clamping lever for dust extraction system^{a)}
- (18) Extraction outlet^{a)}
- (19) Dust extraction adapter^{a)}
- (20) Extraction hose^{a)}

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

Technical data

Cordless multi-cutter		GOP 18V-34
Article number		3 601 HG2 0..
Rated voltage	V=	18
No-load speed n_0	min ⁻¹	10000–20000
Oscillation angle on left/right	°	1.7
Weight ^{A)}	kg	1.2
Recommended ambient temperature during charging	°C	0 to +35
Permitted ambient temperature during operation ^{B)} and during storage	°C	-20 to +50
Compatible rechargeable batteries		GBA18V... GBA 18V...

Cordless multi-cutter

GOP 18V-34

	ProCORE18V... EXPERT18V... EXBA18V... CORE18V...
Recommended chargers	GAL18... GAL 18... GAL 36... GAL12V/18... GAL 12V/18... GAX 18... EXAL18...

A) Without rechargeable battery (you can find the battery weight at www.bosch-professional.com)

B) Limited performance at temperatures < 0 °C

Values can vary depending on the product, scope of application and environmental conditions. To find out more, visit www.bosch-professional.com/wac.

Noise/Vibration Information

Noise emission values determined according to **EN 62841-1**.

Typically, the A-weighted sound pressure level of the power tool is **80 dB(A)**. Uncertainty K = **3 dB**. The noise level when working can exceed the volume stated. **Wear hearing protection!**

Vibration values a_h (continuous vibrations), p_f (repeated shock vibrations) and uncertainty K determined according to **EN 62841-1**:

Sanding: $a_h = 1.6 \text{ m/s}^2$ (K = **1.5 m/s}^2**), $p_f = 49 \text{ m/s}^2$ (K = **4 m/s}^2**),

Cutting with plunge cut saw blade: $a_h = 3.2 \text{ m/s}^2$ (K = **1.5 m/s}^2**), $p_f = 130 \text{ m/s}^2$ (K = **24 m/s}^2**),

Cutting with segmental saw blade: $a_h = 2.5 \text{ m/s}^2$ (K = **1.5 m/s}^2**), $p_f = 87 \text{ m/s}^2$ (K = **2 m/s}^2**).

The vibration level and noise emission value given in these instructions have been measured in accordance with a standardised measuring procedure and may be used to compare power tools. They may also be used for a preliminary estimation of vibration and noise emissions.

The stated vibration level and noise emission value represent the main applications of the power tool. However, if the power tool is used for other applications, with different accessories or is poorly maintained, the vibration level and noise emission value may differ. This may significantly increase the vibration and noise emissions over the total working period.

To estimate vibration and noise emissions accurately, the times when the tool is switched off or when it is running but not actually being used should also be taken into account. This may significantly reduce vibration and noise emissions over the total working period.

Implement additional safety measures to protect the operator from the effects of vibration, such as servicing the power tool and accessories, keeping their hands warm, and organising workflows correctly.

Rechargeable battery

Bosch sells some cordless power tools without a rechargeable battery. You can tell whether a rechargeable battery is included with the power tool by looking at the packaging.

Charging the battery

► **Use only the chargers listed in the technical data.** Only these chargers are matched to the lithium-ion battery of your power tool.

Note: Lithium-ion rechargeable batteries are supplied partially charged according to international transport regulations. To ensure full rechargeable battery capacity, fully charge the rechargeable battery before using your tool for the first time.

Inserting the Battery

Push the charged battery into the battery holder until it clicks into place.



Removing the Battery

To remove the rechargeable battery, press the battery release button and pull the battery out. **Do not use force to do this.**

The rechargeable battery has two locking levels to prevent the battery from falling out if the battery release button is pressed unintentionally. The rechargeable battery is held in place by a spring when fitted in the power tool.

Battery charge indicator

Note: Not all battery types have a battery charge indicator. The green LEDs on the battery charge indicator indicate the state of charge of the battery. For safety reasons, it is only possible to check the state of charge when the power tool is not in operation.

Press the button for the battery charge indicator  or  to show the state of charge. This is also possible when the battery is removed.

If no LED lights up after pressing the button for the battery charge indicator, then the battery is defective and must be replaced.

Rechargeable battery type GBA 18V... | GBA18V...



LED	Capacity
3 × continuous green light	60–100 %
2 × continuous green light	30–60 %
1 × continuous green light	5–30 %
1 × flashing green light	0–5 %

Battery model ProCORE18V... | EXPERT18V... | EXBA18V... | CORE18V...





LED	Capacity
5 × continuous green light	80–100 %
4 × continuous green light	60–80 %
3 × continuous green light	40–60 %
2 × continuous green light	20–40 %
1 × continuous green light	5–20 %
1 × flashing green light	0–5 %


Battery defect risk detection

EXPERT18V... | EXBA18V...

In addition to the state of charge of the rechargeable battery, the LEDs on the battery charge indicator can also indicate the risk of a battery defect.

To activate the function, press and hold the button for the battery charge indicator  for 3 seconds. The analysis of the battery is signalled by a moving light on the battery charge indicator. The result of is shown on the battery charge indicator.

 **1 LED:** The rechargeable battery has a high defect risk. Performance and runtime may already be reduced. Replacing the rechargeable battery is recommended.

 **5 LEDs:** The rechargeable battery is in good condition and has a low defect risk.

Please note: The rechargeable battery defect risk assessment works in a binary manner and offers a simplified status assessment, indicating either that the rechargeable battery is in good condition or that the rechargeable battery has an increased defect risk. A percentage of the battery status is not shown.

Recommendations for Optimal Handling of the Battery

Protect the battery against moisture and water.

Only store the battery within a temperature range of -20 to 50 °C. Do not leave the battery in your car in the summer, for example.

Occasionally clean the ventilation slots on the battery using a soft brush that is clean and dry.

A significantly reduced operating time after charging indicates that the battery has deteriorated and must be replaced. Follow the instructions on correct disposal.

Assembly

► **Before carrying out any work on the power tool (e.g. maintenance, tool change etc.), remove the battery from the power tool.** There is risk of injury from unintentionally pressing the on/off switch.




Changing the Accessory

► Wear protective gloves when changing accessories.







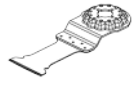
There is a risk of injury when touching the accessories.








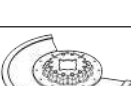

Selecting an accessory









Please observe the accessories intended for your power tool.

Accessory		GOP 18V-34
STARLOCK		✓
STARLOCK PLUS		✓
STARLOCK MAX		✗

The following table shows examples of accessories. You can find additional accessories in Bosch's extensive range of accessories.

Accessory	Material	Application
 AIZ 10 AB Starlock 10 × 20 mm bi-metal plunge cut saw blade for wood and metal	Softwood, soft plastics, gypsum, thin-walled aluminium and non-ferrous metal profiles, thin metal sheets, non-hardened nails and bolts	Smaller separation and plunge cuts; delicate adjustment work in wood; Example: Cutting recess for cable, plunge cuts in gypsum boards, resawing recesses for locks and fittings
 AIZ 32 EPC Starlock 32 × 50 mm HCS plunge cut saw blade for wood	Softwood	Splinter-free separation and plunge saw cuts thanks to round sawing edge (Curved-Tec); also for sawing close to the edge, in corners and difficult-to-access areas; Example: Plunge cut for the installation of a ventilation grille or recess for plug sockets
 AIZ 32 APiB Starlock 32 × 50 mm bi-metal plunge cut saw blade for wood and metal	Composite materials made from wood and soft non-ferrous metals, unhardened nails and screws, pipes made from non-ferrous metal and profiles with small dimensions	Tear-free flush cuts and plunge cuts in wood, soft non-ferrous metals and plastic thanks to round sawing edge (Curved-Tec); Example: Recess for plug sockets and pipes, flush cuts through unhardened nails and screws
 PAIZ 32 APB StarlockPlus 32 × 60 mm bi-metal plunge cut saw blade for wood and metal	Composite materials made from wood and soft, non-ferrous metals, unhardened nails and bolts, pipes made from non-ferrous metal and profiles of smaller dimensions	Quick and deep plunge cuts in wood, abrasive wooden materials and plastics, splinter-free work thanks to round cutting edge (Curved-Tec); Example: Quick separation of non-ferrous pipes and profiles of smaller dimensions, easy cutting through non-hardened nails, bolts and steel profiles of smaller dimensions
 AIZ 32 BSPIB Starlock 32 × 50 mm bi-metal plunge cut saw blade for hardwood	Hardwood, laminated boards	Splinter-free separation and plunge cuts in coated boards or hardwood thanks to round sawing edge (Curved-Tec), Japan toothing specially suited for hardwood; Example: Installation of skylights, recess for plug sockets
 AIZ 32 AIT Starlock 32 × 40 mm carbide plunge cut saw blade for metal	Hard ferrous metals, extremely abrasive materials, fibreglass, plasterboard, cement-bonded fibreboards, hardened nails and screws	Sawing extremely abrasive materials or hard ferrous metals; long service life thanks to BOSCH carbide technology; Example: Cutting of kitchen front covers, simple sawing through hardened nails and stainless steel
 AIZ 32 APILT Starlock 32 × 45 mm carbide plunge cut	Wood with nails, epoxy, plasterboard, GFRP, CFRP, cement fibreboard, metal sheets	Splinter-free separating cuts and plunge cuts in wood with nails, bricks as well as other composite materials and abrasive materials; long service life thanks to BOSCH carbide

Accessory	Material	Application
	saw blade for multi-material	technology; Example: Cutting through screws in window frames
	AIZ 45 AIT Starlock 45 × 50 mm carbide plunge cut saw blade for metal	Hard ferrous metals, extremely abrasive materials, fibreglass, plasterboard, cement-bonded fibreboards, hardened nails and screws
	PAII 52 APIT Starlock Plus 52 × 50 mm carbide plunge cut saw blade for multi-material	Hard ferrous sheet metal, epoxy, plasterboard, GFRP, CFRP, cement fibreboard
	AYZ 53 BPB Starlock 53 × 40 mm plunge cut saw blade for multi-material	Gypsum boards, chipboards, sandwich material, wood
	AII 65 APIB Starlock 65 × 40 mm bi-metal plunge cut saw blade for wood and metal	Softwood, hardwood, veneered boards, plastic-coated boards, non-hardened nails and bolts
	ACZ 85 EIB Starlock 85 mm diameter bimetal segment saw blade for wood and metal	Wooden materials, plastic, soft and non-ferrous metals
	ACZ 100 SWB Starlock 100 mm diameter bimetal segment serrated knife for multi-material	Insulation material, insulation boards, floor panels, impact sound insulation boards, cardboard, carpets, rubber, leather
	ACZ 105 ET Starlock 105 mm diameter carbide segment saw blade for multi-material	Fibre cement boards, tile joints, brick, fibreglass-reinforced plastics, laminate
	ACZ 85 RD4 Starlock 85 mm diameter Diamond-RIFF segment saw blade for mortar and abrasive materials	Cement joints, soft wall tiles, fibreglass-reinforced plastics, epoxy, GRP

Accessory	Material	Application
	AVZ 70 RT4 Starlock 70 mm wide carbide-RIFF mortar remover	Mortar, joints, epoxy resin, fibreglass-rein- forced plastics, abrasive materials
	AVZ 90 RT2 Starlock 90 mm wide carbide-RIFF delta plate for mortar and abrasive ma- terials	Mortar, concrete residue, wood, abrasive materials, paint
	AVZ 93 G Starlock 93 mm wide sand- ing plate for sand- ing sheets of the Delta 93 mm series	Depends on the sanding sheet
	AUZ 70 G Starlock 70 mm wide profile sander for 70 x 125 mm sanding sheets	Wood, pipes/profiles, paint, varnish, filler, metal
	AVZ 32 RT4 Starlock 32 x 50 mm carbide-RIFF sand- ing finger for wood and paint	Wood, paint
	AIZ 28 SC Starlock 28 x 40 mm HCS universal joint cut- ter	Expansion joints, window putty, insulation materials (rock wool)
	ASZ 32 SC Starlock 24 mm wide HCS pull cutting edge, 11 mm wide HCS push cutting edge	Roofing felt, carpets, arti- ficial turf, cardboard, PVC flooring
	ATZ 52 SC Starlock 52 mm scraper, ri- gid	Carpets, mortar, con- crete, tile adhesive

Fitting/changing the accessory

Remove the accessory if one has already been fitted.

To do so, open the Starlock lever **(7)** all the way. The access-
 ory will be ejected. The Starlock lever **(7)** automatically
 closes again.

Position the required accessory (e.g. plunge cut saw blade **(12)**) on the accessory holder **(8)** so that the depressed centre is facing downwards (see figure on the graphics page, text on the accessory should be legible from above).

When doing so, place the accessory in a position which is convenient for the job at hand. Twelve positions offset by 30° are possible for this.

Press the accessory in the required position firmly onto the clamping jaws of the accessory holder until it locks automatically.

► **Check that the accessory is seated securely.** Accessories that are attached incorrectly or are not securely fixed

in place may come loose during operation, thereby putting you at risk.

Mounting and adjusting the depth stop

The depth stop **(10)** can be used when working with segment and plunge cut saw blades.

Remove the accessory if one has already been fitted.

Slide the depth stop **(10)** into the required working position over the accessory holder **(8)** and onto the collar of the power tool as far as it will go. Allow the depth stop to engage. Twelve positions offset by 30° are possible for this. Set the depth you wish to work at. Push the clamping lever **(11)** of the depth stop shut to fix the depth stop in position.

Selecting a sanding sheet

Different sanding sheets are available, depending on the material you are working with and the required surface removal rate:

Sanding sheet	Material	Application	Grit	Oscillation speed rate level
PRO F460	– All wood and wood-based materials (e.g. hardwood, softwood, chipboard, construction boards)	For pre-sanding, e.g. of rough and uneven beams and boards	Coarse	40 1–4 60
		For surface sanding and levelling of slight irregularities	Medium	80 1–4 100 120
	– Metal materials	For finish-sanding and fine sanding of wood	Fine	180 1–4 240
PRO F460	– Colour – Varnish – Filler – Bodyfiller	For sanding down paint	Coarse	40 1–4 60
		For sanding undercoats (e.g. removing brush-strokes, paint drips and paint runs)	Medium	80 1–4 100 120
		For final sanding of primers prior to painting	Fine	180 1–4 240

Attaching/changing the sanding sheet on the sanding plate

The sanding plate **(15)** is fitted with a hook-and-loop fastening, allowing sanding sheets with a hook-and-loop backing to be secured quickly and easily.

Tap the hook-and-loop fastening of the sanding plate **(15)** before fitting the sanding sheet **(16)** to facilitate maximum adhesion.

Position the sanding sheet **(16)** so that it is flush with one side of the sanding plate **(15)**, then place the sanding sheet on the sanding plate and press it on firmly.

To ensure optimum dust extraction, make sure that the punched holes in the sanding sheet are aligned with the drilled holes in the sanding plate.

To remove the sanding sheet **(16)**, take hold of it by a corner and pull it away from the sanding plate **(15)**.

You can use all sanding sheets, polishing and cleaning fleeces from the Delta 93 mm series in the **Bosch** range of accessories.

Sanding accessories such as fleece/polishing felt are attached to the sanding plate in the same way.

Oscillation speed level "4" is the maximum level that should be used when working with sanding accessories such as sanding sheets and sanding plates. If the oscillation speed is too high, this will considerably increase the wear of the accessory and can also lead to premature breakdown. Please take note of the information on the accessory or on the packaging of the accessory.

Dust/Chip Extraction

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

► **Avoid dust accumulation at the workplace.** Dust can easily ignite.

Requirements for the Dust Extractor		
Recommended hose nominal diameter	mm	35

Requirements for the Dust Extractor

Required vacuum pressure ^{A)}	mbar	≥ 230
	hPa	≥ 230
Required flow rate ^{A)}	l/s	≥ 36
	m ³ /h	≥ 129.6
Recommended filter efficiency		Dust class M ^{B)}

A) Power value at the power tool's dust extractor connection

B) According to IEC/EN 60335-2-69

Refer to the dust extractor's instructions. If there is reduced suction power, stop working and eliminate the cause.

Connecting the dust extraction system (see figure A)

The dust extraction system is only designed for use with the sanding plate (15); it serves no purpose when used together with other accessories.

Always connect a dust extraction system for sanding.

Remove the accessory and the depth stop (10) for fitting the dust extraction system.

Slide either the dust extraction system (13) without Click & Clean connection or the dust extraction system (14) with Click & Clean connection as far as it will go over the accessory holder (8) onto the collar of the power tool. Push the clamping lever (17) shut to lock the dust extraction system.

Connect the dust extraction system with the extraction hose:

- Dust extraction system (13) without Click & Clean connection: Insert the extraction hose (20) of the dust extractor into the dust extraction adapter (19) and allow it to engage. Attach the dust extraction adapter (19) to the extraction outlet (18) of the dust extraction system (13).
- Dust extraction system (14) with Click & Clean connection: Insert the extraction hose (20) of the dust extractor into the extraction outlet (18) of the dust extraction system (14) and allow it to engage. Alternatively, the dust extraction adapter (19) can be inserted into the extraction outlet of the dust extraction system (14) and the extraction hose (20) can be inserted into the dust extraction adapter (19).

Connect the dust extraction hose (20) to an extractor.

You will find an overview of how to connect various dust extractors at the end of these operating instructions.

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


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

Operation

Starting Operation

Switching on/off

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

To **switch on the worklight**, slide the on/off switch (2) forwards so that  appears on the switch. The worklight improves visibility in the immediate work area.

- **Do not look directly into the worklight; it can blind you.**

To **switch on the power tool**, slide the on/off switch (2) further forwards so that **"I"** appears on the switch.

To **switch off** the power tool and the worklight, slide the on/off switch (2) backwards so that **"0"** appears on the switch.

Note: If the power tool shuts down automatically because the battery is flat or overheated, switch the power tool off using the on/off switch (2).

Charge the battery or let it cool down before switching the power tool on again. Failure to do so can damage the battery.

Preselecting the oscillation speed

You can even preselect the required oscillation speed during operation using the oscillation speed preselection thumb-wheel (6).

The required oscillation speed is dependent on the material and the work conditions and can be determined using practical tests.

- A maximum oscillation speed rate level of **"6"** is recommended for sawing wood.
- **"4"** is the maximum oscillation speed rate level suitable for sanding.
- **"4"** is the maximum oscillation speed rate level suitable for sawing plastic and metal.

Caution: Please take note of the information concerning the maximum oscillation speed rate on the accessories or on the packaging of the accessories. Oscillation speed rate level **"4"** is the maximum level that should be used when working with accessories such as sanding and RIFF accessories.

Note: If the oscillation speed rate is too high, this will considerably increase the wear on the accessories and can also lead to their premature breakdown.

Working Advice

- **Before carrying out any work on the power tool (e.g. maintenance, tool change etc.), remove the battery from the power tool.** There is risk of injury from unintentionally pressing the on/off switch.
- **Always wait until the power tool has come to a complete stop before placing it down.**

Note: Do not keep the ventilation slots (5) on the power tool closed when working as this will reduce the service life of the power tool.

Operating principle

The oscillating drive causes the accessory to oscillate back and forth up to 20000 times per minute. This enables precise work in the tightest of spaces.



Use a consistent, low contact pressure when performing work; otherwise, the performance will be impaired and the accessory may jam.



While working, move the power tool back and forth to prevent the accessory overheating and jamming.

Sawing

- ▶ **Use only undamaged saw blades that are in perfect condition.** Bent or dull saw blades can break, negatively influence the cut, or lead to kickback.
- ▶ **When sawing lightweight materials, take into account the statutory provisions and recommendations of the material manufacturers.**
- ▶ **Plunge cuts may only be applied to soft materials, such as wood, gypsum board, etc.**
- ▶ **Make sure that there are no power lines behind the workpiece to be cut.**

Before using HCS saw blades to saw into wood, chipboard, building materials, etc., check these saw blades for foreign objects, such as nails, screws, etc. Remove the foreign objects as required or use bi-metal saw blades.

Cutting

Note: When cutting wall tiles, please bear in mind that the accessories are subject to high wear if used for extended periods.

Sanding

The material removal rate and sanding result are primarily determined by the choice of sanding sheet, the preselected oscillation speed 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 premature failure of the sanding plate.

To sand corners, edges and hard-to-reach areas accurately, you can also work with the tips alone or with an edge of the sanding plate.

The sanding sheet may heat up significantly when used to sand specific points rather than entire surfaces. Reduce the oscillation speed and contact pressure and allow the sanding sheet to cool down at regular intervals.

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

Use only original **Bosch** sanding accessories.

Always connect a dust extraction system for sanding.

Scraping

Select a high oscillation speed level for scraping.

Work on a soft surface (e.g. wood) at a flat angle and with low contact pressure. Failure to do so may cause the scraper to cut into the surface underneath.

Temperature-dependent overload protection

In normal conditions of use, the power tool cannot be overloaded. If the power tool is overloaded or not kept within the

permitted battery temperature range, the speed is reduced or the power tool switches off. At reduced speed, the power tool will run again at full speed once the permitted battery temperature is reached or the load is reduced. If it automatically shuts down, switch the power tool off, allow the battery to cool down, then switch the power tool back on.

Maintenance and Service

Maintenance and Cleaning

- ▶ **Before carrying out any work on the power tool (e.g. maintenance, tool change etc.), remove the battery from the power tool.** There is risk of injury from unintentionally pressing the on/off switch.
- ▶ **To ensure safe and efficient operation, always keep the power tool and the ventilation slots clean.**

Regularly clean Riff accessories using a wire brush.

After-Sales Service and Application Service

Great Britain

Tel. Service: (0344) 7360109

GB Importer:

Robert Bosch Ltd.
Broadwater Park
North Orbital Road
Uxbridge
UB9 5HJ

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

Disposal

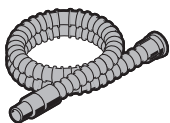
Power tools, rechargeable batteries, accessories and packaging should be sorted for environmental-friendly recycling.



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

Only for EU countries and United Kingdom:

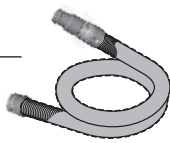
Electrical and electronic equipment or used batteries that are no longer suitable for use must be collected separately and disposed of in an environmentally friendly manner. Use the designated collection systems. Incorrect disposal may cause harmful effects on the environment and human health, due to the potential presence of hazardous substances.



Ø 28 mm:
2 608 000 772 (3.2 m)



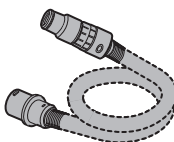
GAS 18V-12 MC



Ø 28 mm:
2 608 000 885 (4 m)



GAS 12-40 MA



Ø 22 mm:
2 608 000 567 (5 m)
Ø 35 mm:
2 608 000 565 (5 m)



GAS 35 M AFC



GAS 55 M AFC



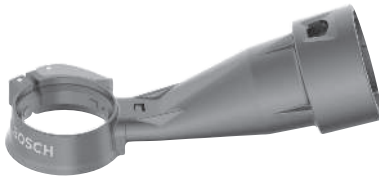
Ø 22 mm:
2 608 000 568 (5 m)
Ø 35 mm:
2 608 000 566 (5 m)



2 608 000 636 (old)



2 608 000 590



2 608 000 636 (new)

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