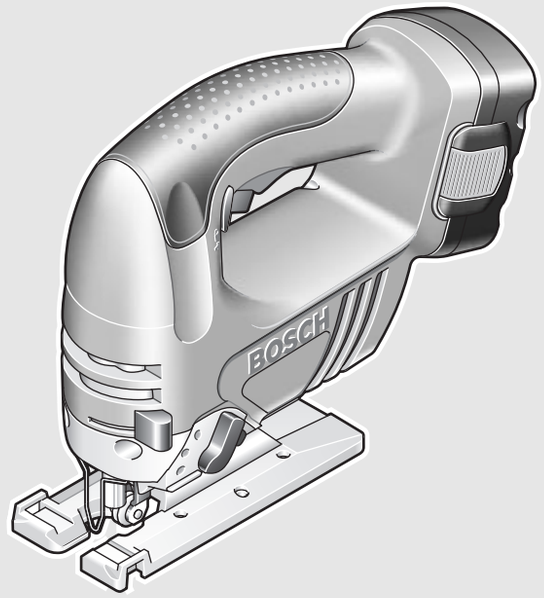


Robert Bosch GmbH
Power Tools Division
70745 Leinfelden-Echterdingen
Germany

www.bosch-pt.com

2 609 932 701 (2009.10) O / 138 **WEU**

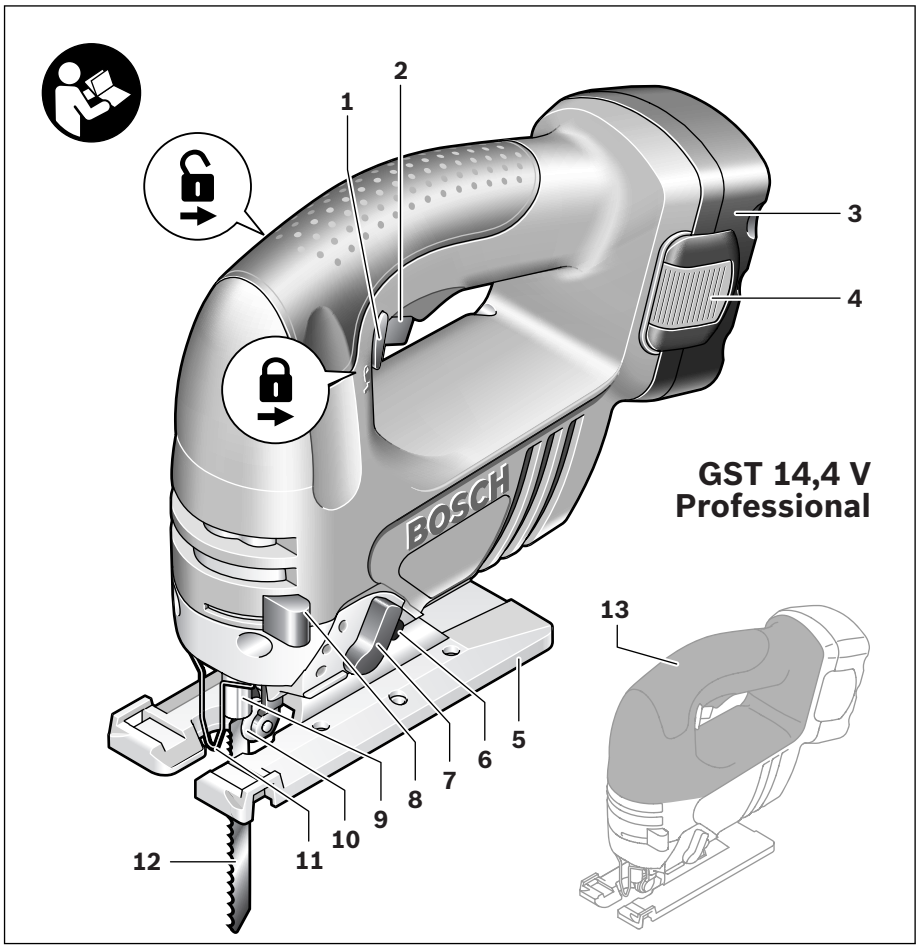
2 609 932 701

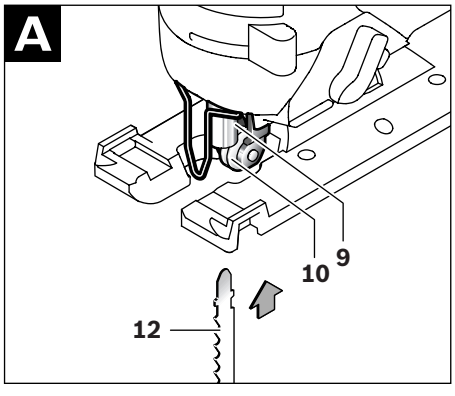
GST Professional

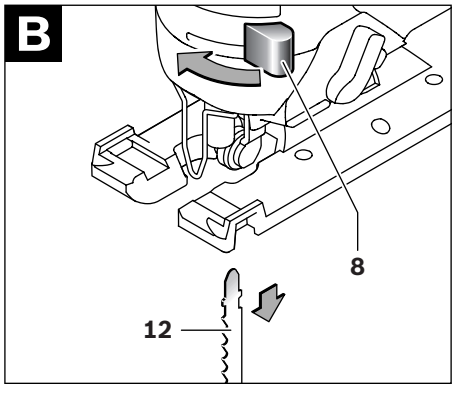
14,4 V | 18 V | 24 V

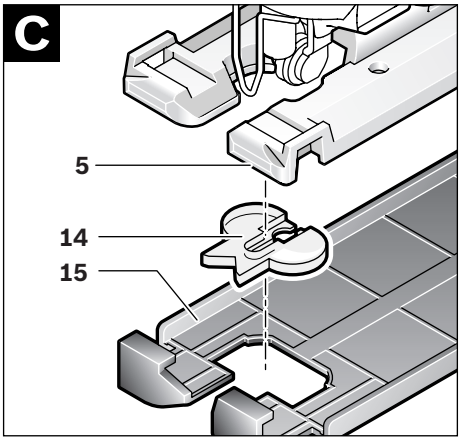
BOSCH

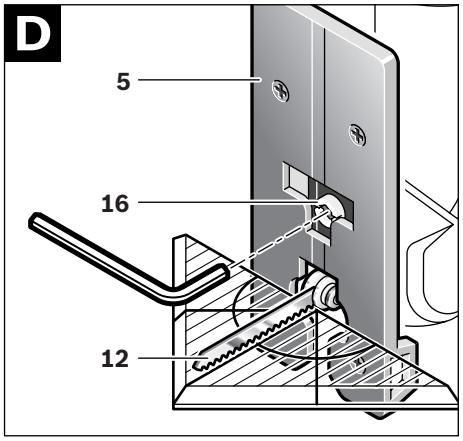
de Originalbetriebsanleitung
en Original instructions
fr Notice originale
es Manual original
pt Manual original
it Istruzioni originali
nl Oorspronkelijke gebruiksaanwijzing
da Original brugsanvisning
sv Bruksanvisning i original
no Original driftsinstruks
fi Alkuperäiset ohjeet
el Πρωτότυπο οδηγιών χρήσης
tr Orijinal işletme talimatı

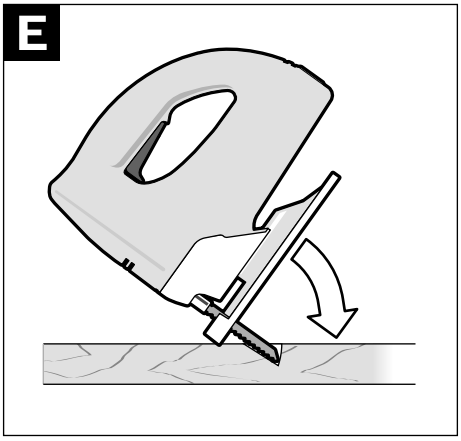


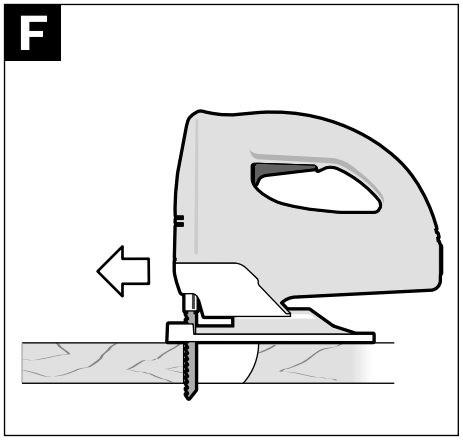


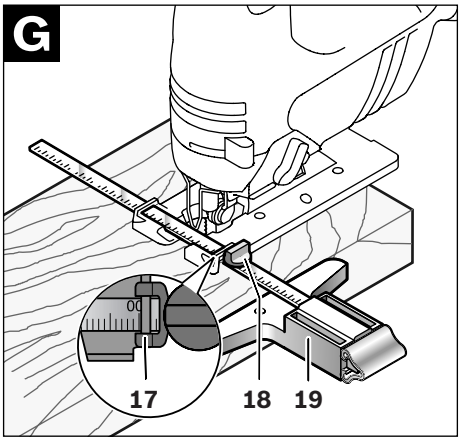


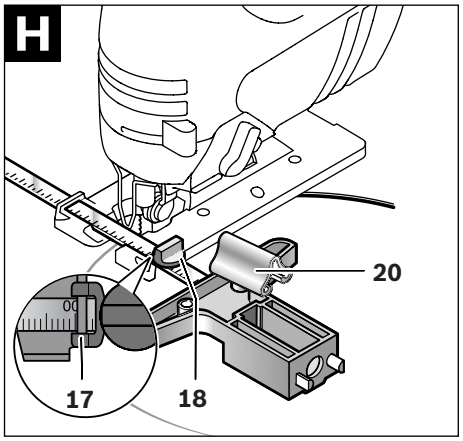












Safety Notes

General Power Tool Safety Warnings

⚠WARNING **Read all safety warnings and all instructions.** Failure to follow the warnings and instructions 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.

1) Work area safety

a) Keep work area clean and well lit. Cluttered or dark areas invite accidents.

b) 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.

c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2) Electrical safety

a) 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.

b) 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.

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

d) 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 and moving parts. Damaged or entangled cords increase the risk of electric shock.

e) 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.

f) 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.

3) Personal safety

a) 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.

b) Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

c) 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.

d) 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.

e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

g) 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.

4) Power tool use and care

a) 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.

b) 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.

c) Disconnect the plug from the power source and/or the battery pack 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.

d) 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.

e) Maintain power tools. 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.

f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

g) 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.

5) Battery tool use and care

a) 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.

b) Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.

c) 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.

d) 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.

6) Service

a) 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.

Machine-specific Safety Warnings

- **Hold 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.
- **Keep hands away from the sawing range. Do not reach under the workpiece.** Contact with the saw blade can lead to injuries.
- **Apply the machine to the workpiece only when switched on.** Otherwise there is danger of kickback when the cutting tool jams in the workpiece.
- **Pay attention that the base plate 5 rests securely on the material while sawing.** A jammed saw blade can break or lead to kickback.
- **When the cut is completed, switch off the machine and then pull the saw blade out of the cut only after it has come to a standstill.** In this manner you can avoid kickback and can place down the machine securely.

- **Use only sharp, flawless saw blades.** Bent or unsharp saw blades can break or cause kickback.
- **Do not brake the saw blade to a stop by applying side pressure after switching off.** The saw blade can be damaged, break or cause kickback.
- **Use appropriate detectors to determine if utility lines are hidden in the work area or call the local utility company for assistance.** Contact with electric lines can lead to fire and electric shock. Damaging a gas line can lead to explosion. Penetrating a water line causes property damage or may cause an electric shock.
- **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.
- **Do not open the battery.** Danger of short-circuiting.

Protect the battery against heat, e. g., against continuous intense sunlight, fire, water, and moisture. Danger of explosion.

- **Use only original Bosch batteries with the voltage listed on the nameplate of your power tool.** When using other batteries, e. g. imitations, reconditioned batteries or other brands, there is danger of injury as well as property damage through exploding batteries.

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.

While reading the operating instructions, unfold the graphics page for the machine and leave it open.

Intended Use

The machine is intended for making separating cuts and cut-outs in wood, plastic, metal, ceramic plates and rubber while resting firmly on the workpiece. It is suitable for straight and curved cuts with mitre angles to 45°. The saw blade recommendations are to be observed.

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 On/Off switch
3 Battery*
4 Battery unlocking button
5 Base plate
6 Switch for sawdust blowing device
7 Adjusting lever for orbital action
8 SDS clamping lever for saw blade release
9 Stroke rod
10 Guide roller
11 Contact protector
12 Saw blade*
13 Handle (insulated gripping surface)
14 Splinter guard*
15 Sliding shoe
16 Screw
17 Lead for the parallel guide
18 Locking screw for parallel guide*
19 Parallel guide with circle cutter*
20 Centring tip of the parallel guide*

***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

Cordless Jigsaw		GST 14,4 V Professional	GST 18 V Professional	GST 24 V Professional
Article number		0 601 598 4..	3 601 E98 3..	0 601 598 2..
Rated voltage	V=	14.4	18	24
Stroke rate at no load n_0	min^{-1}	0–2100	0–2100	0–2100
Stroke	mm	26	26	26
Cutting capacity, max.				
– in wood	mm	65	68	70
– in aluminium	mm	10	11	12
– in non-alloy steel	mm	6	7	7
Bevel cuts (left/right), max.	°	45	45	45
Weight according to EPTA-Procedure 01/2003	kg	2.9	3.2	3.6

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

Noise/Vibration Information

		GST 14,4 V	GST 18 V	GST 24 V
Measured sound values determined according to EN 60745.				
Typically the A-weighted noise levels of the product are:				
Sound pressure level	dB(A)	82	82	82
Sound power level	dB(A)	93	93	93
Uncertainty K=	dB	3	3	3
Wear hearing protection!				
Vibration total values (triax vector sum) determined according to EN 60745:				
Cutting wood:				
Vibration emission value a_h	m/s^2	3.5	3	3
Uncertainty K	m/s^2	1.5	1.5	1.5
Cutting sheet metal:				
Vibration emission value a_h	m/s^2	3	3	2,5
Uncertainty K	m/s^2	1.5	1.5	1.5

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 run-

ning 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 CE

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, 98/37/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	Dr. Eckerhard Strötgen
Senior Vice President	Head of Product
Engineering	Certification

ppa. i.V.

Robert Bosch GmbH, Power Tools Division
D-70745 Leinfelden-Echterdingen
05.10.2009

Assembly

- **Before any work on the machine itself (e. g. maintenance, tool change, etc.) as well as during transport and storage, remove the battery from the power tool.** There is danger of injury when unintentionally actuating the On/Off switch.

Battery Charging

A battery that is new or has not been used for a longer period does not develop its full capacity until after approx. 5 charging/discharging cycles.

To remove the battery **3** press the unlocking buttons **4** and pull out the battery downwards. **Do not exert any force.**

The battery is equipped with a NTC temperature control which allows charging only within a temperature range of between 0 °C and 45 °C. A long battery service life is achieved in this manner.

A significantly reduced working period after charging indicates that the battery is used and must be replaced.

Observe the notes for disposal.

Replacing/Inserting the Saw Blade

- **When mounting the saw blade, wear protective gloves.** Danger of injury when touching the saw blade.

Selecting a Saw Blade

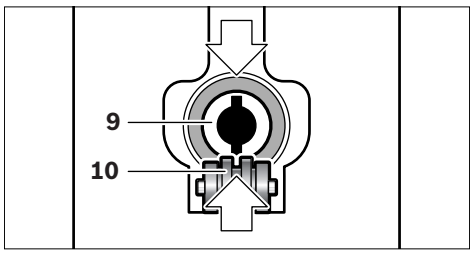
An overview of recommended saw blades can be found at the end of these instructions. Use only T-shank saw blades. The saw blade should not be longer than required for the intended cut.

Use a thin saw blade for narrow curve cuts.

Inserting the Saw Blade (see figure A)

Insert the saw blade **12** (teeth in cutting direction) into the stroke rod until it latches **9**.

While inserting the saw blade, pay attention that the back of the saw blade is positioned in the groove of the guide roller **10**.



Note: If the grooves of the saw blade holder are not in the position shown in the figure, then the saw blade **12** cannot be inserted into the stroke rod **9**. Briefly press the SDS clamping lever **8** toward the side and release it again.

- **Check the tight seating of the saw blade.** A loose saw blade can fall out and lead to injuries.

Ejecting the Saw Blade (see figure B)

▶ **When ejecting the saw blade, hold the machine in such a manner that no persons or animals can be injured by the ejected saw blade.**

Press the SDS clamping lever **8** sideward to the stop. The saw blade **12** is released and ejected.

Dust/Chip Extraction

▶ 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.
– 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.

Splinter Guard (see figure C)

The splinter guard **14** (accessory) can prevent fraying of the surface while sawing wood. The splinter guard can only be used for certain saw blade types and only for cutting angles of 0°. When sawing with the splinter guard, the base plate **5** must not be moved back for cuts that are close to the edge.

Press the splinter guard **14** from the bottom into the base plate **5**.

When using the sliding shoe **15**, the splinter guard **14** is not inserted into the base plate **5**, but into the sliding shoe.

Sliding Shoe

When working surfaces that are easily scratched, the sliding shoe **15** can be attached onto the base plate **5** in order to prevent the surface from being scratched.

To attach the sliding shoe **15**, insert it at the front of the base plate **5**, push the rear part upward and allow it to latch.

Operation

Operating Modes

▶ **Before any work on the machine itself (e. g. maintenance, tool change, etc.) as well as during transport and storage, remove the battery from the power tool.** There is danger of injury when unintentionally actuating the On/Off switch.

Orbital Action Settings

The four orbital action settings allow for optimal adaptation of cutting speed, cutting capacity and cutting pattern to the material being sawed.

The orbital action can be adjusted with the adjusting lever **7**, even during operation.

Setting 0	No orbital action
Setting I	Small orbital action
Setting II	Medium orbital action
Setting III	Large orbital action

The optimal orbital action setting for the respective application can be determined through practical testing. The following recommendations apply:

– Select a lower orbital action setting (or switch it off) for a finer and cleaner cutting edge.
– For thin materials such as sheet metal, switch the orbital action off.
– For hard materials such as steel, work with low orbital action.
– For soft materials and when sawing in the direction of the grain, work with maximum orbital action.

Adjusting the Cutting Angle (see figure D)

The base plate **5** can be swivelled by 45° to the left or right for mitre cuts.

– Loosen the screw **16** and lightly slide the base plate **5** in the direction of the saw blade **12**.
– Various cutting angles can be precisely adjusted with an angle measurer.
– Afterwards, push the base plate **5** toward the battery **3** to the stop.
– Tighten the screw **16** again.

The splinter guard **14** can not be inserted for mitre cuts.

Offsetting the Base Plate (see figure D)

For sawing close to edges, the base plate **5** can be offset to the rear.

– Loosen screw **16** and push the base plate **5** toward the battery **3** to the stop.
– Tighten the screw **16** again.

Sawing with the base plate **5** offset is possible only with a mitre angle of 0°. In addition, the parallel guide with circle cutter **19** (accessory) as well as the splinter guard **14** may not be used.

Sawdust Blower Device

With the air jet of the sawdust blower device **6**, the cutting line can be kept free of dust and chips.

Switching on the sawdust blower device:
For working with wood, plastic and similar materials, push switch **6** to position **“O”**.

Switching off the sawdust blower device:
For working with metals and when cooling or lubricating agents are used, push switch **6** to position **“●”**.

Starting Operation

Inserting the Battery

▶ **Use only original Bosch O-pack batteries with the voltage given on the type plate of your machine.** The use of other batteries can lead to injuries and danger of fire.

Insert the charged battery **3** into the handle until it can be felt to engage and faces flush against the handle.

Switching On and Off

To **start** the machine, firstly press on the safety switch **1** next to the symbol to deactivate it. Then press and hold the On/Off switch **2**.

To **switch off** the machine, release the On/Off switch **2**. Activate the safety switch **1** by pressing on it next to the symbol .

Controling the Stroke Rate

Increasing or reducing the pressure on the On/Off switch **2** enables stepless stroke-rate control of the switched-on machine.

Light pressure on the On/Off switch **2** results in a low stroke rate. Increasing the pressure also increases the stroke rate.

The required stroke rate is dependent on the material and the working conditions and can be determined by a practical trial.

Reducing the stroke rate is recommended when the saw blade engages in the material as well as when sawing plastic and aluminium.

After longer periods of work at low stroke rate, the machine can heat up considerably. Remove the saw blade from the machine and allow the machine to cool down by running it for approx. 3 minutes at maximum stroke rate.

Working Advice

▶ **When sawing small or thin workpieces, always use a firm support.**

Contact Protector

The contact protector **11** attached to the casing prevents accidental touching of the saw blade during the working procedure and may not be removed.

Plunge Cutting (see figures E–F)

- **Plunge cuts may only be applied to soft materials, such as wood, gypsum plaster boards, etc.!**

Use only short saw blades for plunge cutting. Plunge cutting is possible only with the mitre angle set at 0°.

Place the machine with the front edge of the base plate **5** on to the workpiece without the saw blade **12** touching the workpiece and switch on. For machines with stroke rate control, select the maximum stroke rate. Firmly hold the machine against the workpiece and by tilting the machine, slowly plunge the saw blade into the workpiece.

When the base plate **5** fully lays on the workpiece, continue sawing along the desired cutting line.

Parallel Guide with Circle Cutter (Accessory)

For cuts using the parallel guide with circle cutter **19** (accessory), the thickness of the material must not exceed a maximum of 30 mm.

Parallel Cuts (see figure G): Loosen the locking screw **18** and slide the scale of the parallel guide through the lead **17** in the base plate. Set the desired cutting width as the scale value on the inside edge of the base plate. Tighten the locking screw **18**.

Circular Cuts (see figure H): Set the locking screw **18** to the other side of the parallel guide. Slide the scale of the parallel guide through the lead **17** in the base plate. Drill a hole in the workpiece centred in the section to be sawn. Insert the centring tip **20** through the inside opening of the parallel guide and into the drilled hole. Set the radius as the scale value on the inside edge of the base plate. Tighten the locking screw **18**.

Coolant/Lubricant

When sawing metal, coolant/lubricant should be applied alongside cutting line because of the material heating up.

Maintenance and Service

Maintenance and Cleaning

- **Before any work on the machine itself (e. g. maintenance, tool change, etc.) as well as during transport and storage, remove the battery from the power tool.** There is danger of injury when unintentionally actuating the On/Off switch.
- **For safe and proper working, always keep the machine and ventilation slots clean.**

Clean the saw blade holder regularly. For this, remove the saw blade from the machine and lightly tap out the machine on a level surface.

Heavy contamination of the machine can lead to malfunctions. Therefore, do not saw materials that produce a lot of dust from below or overhead.

Lubricate the guide roller **10** occasionally with a drop of oil.

Check the guide roller **10** regularly. If worn, it must be replaced through an authorised Bosch after-sales service agent.

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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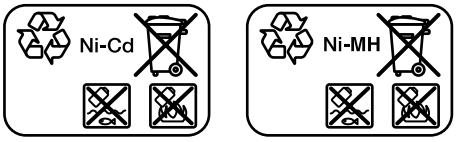
Disposal

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 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.

Battery packs/batteries:



Ni-Cd: Nickel cadmium
Warning: These battery packs contain cadmium, a highly toxic heavy metal.
Ni-MH: Nickel metal hydride

Do not dispose of battery packs/batteries into household waste, fire or water. Battery packs/batteries should be collected, recycled or disposed of in an environmental-friendly manner.

Only for EC countries:
Defective or dead out battery packs/batteries must be recycled according the guideline 91/157/EEC.

Batteries no longer suitable for use can be directly returned at:

Great Britain

Robert Bosch Ltd. (B.S.C.)
P.O. Box 98
Broadwater Park
North Orbital Road
Denham
Uxbridge
UB 9 5HJ
Tel. Service: +44 (0844) 736 0109
Fax: +44 (0844) 736 0146
E-Mail: boschservicecentre@bosch.com

Subject to change without notice.