



Professional **HEAVY DUTY**

GCM 305-216 D

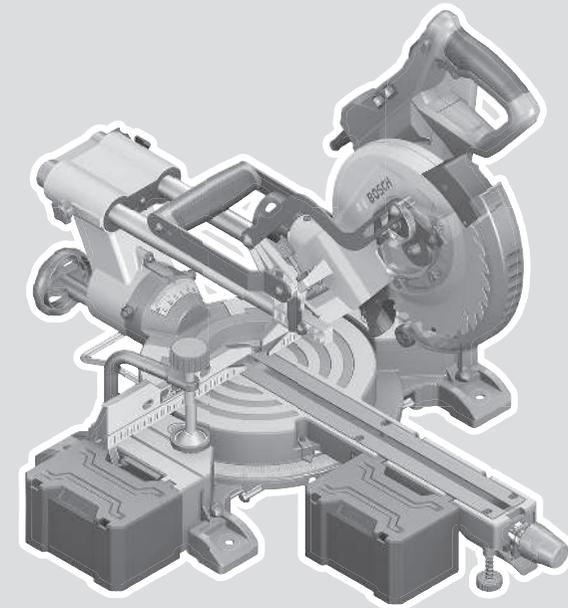
Robert Bosch Power Tools GmbH
70538 Stuttgart
GERMANY

www.bosch-pt.com

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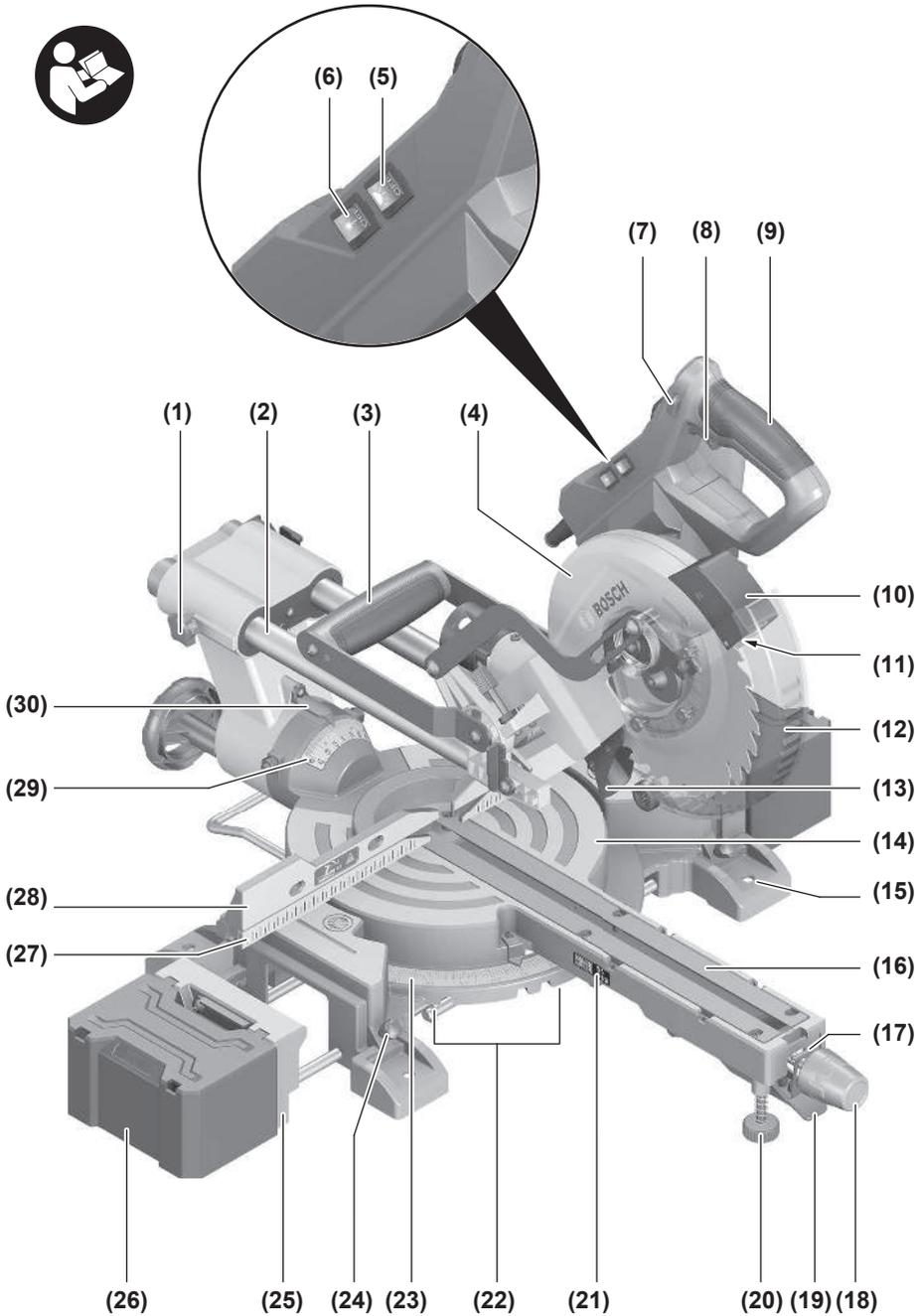
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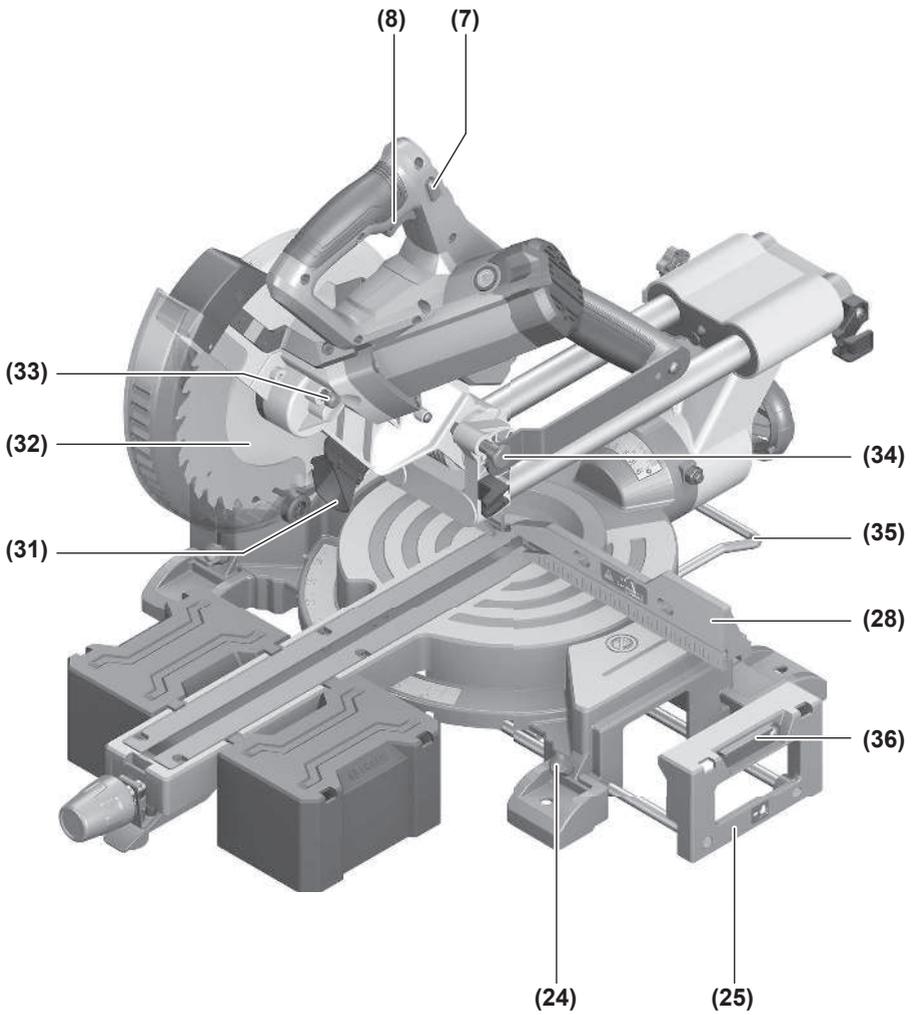


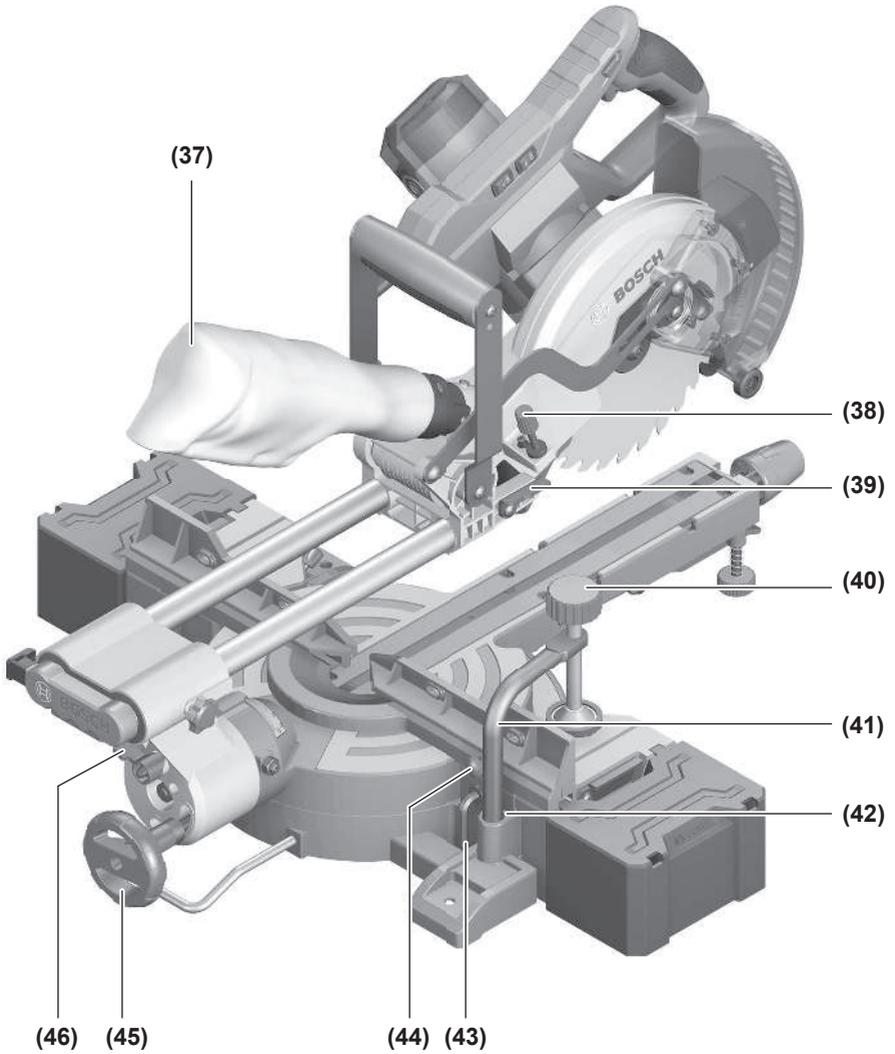
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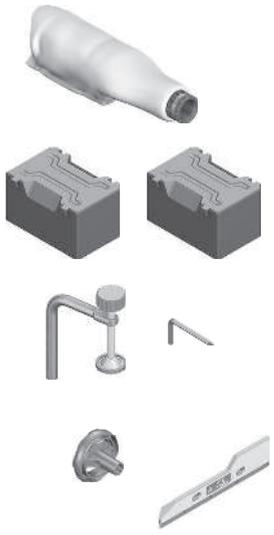
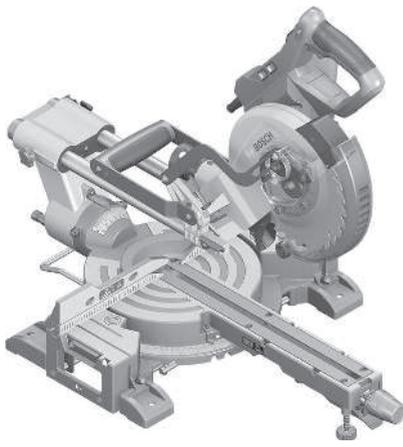




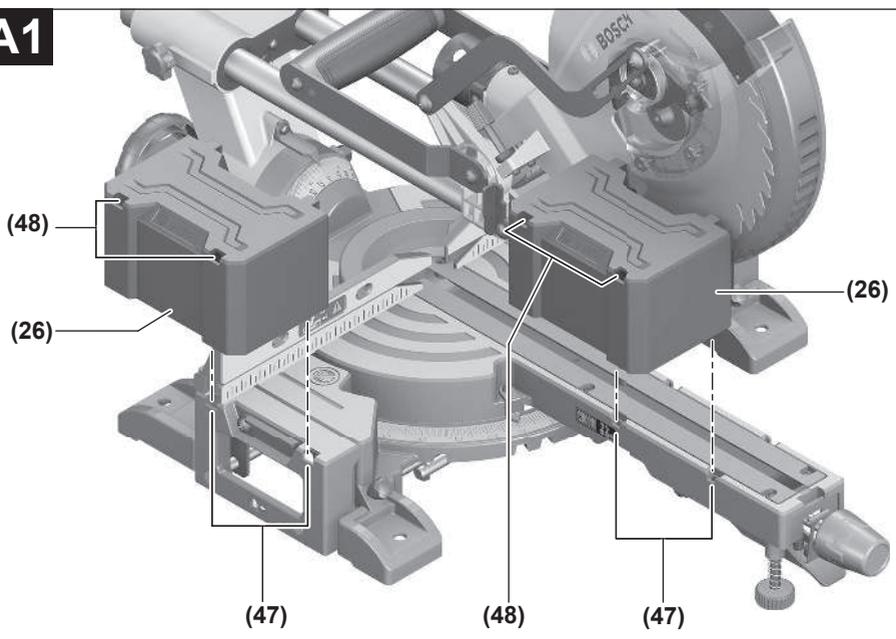


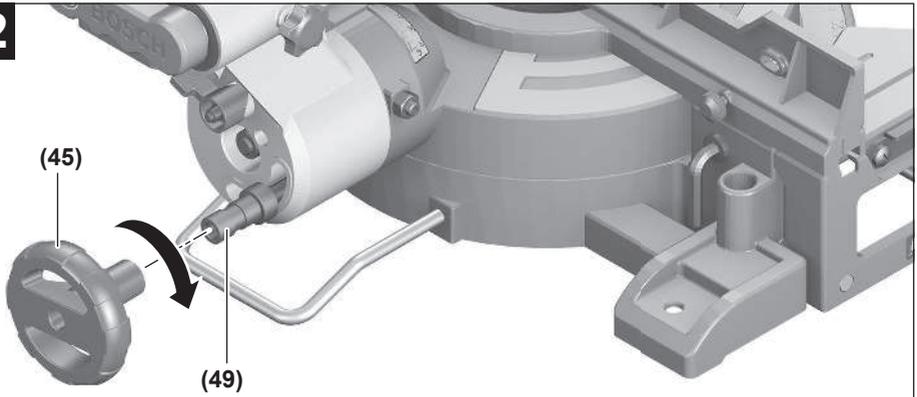
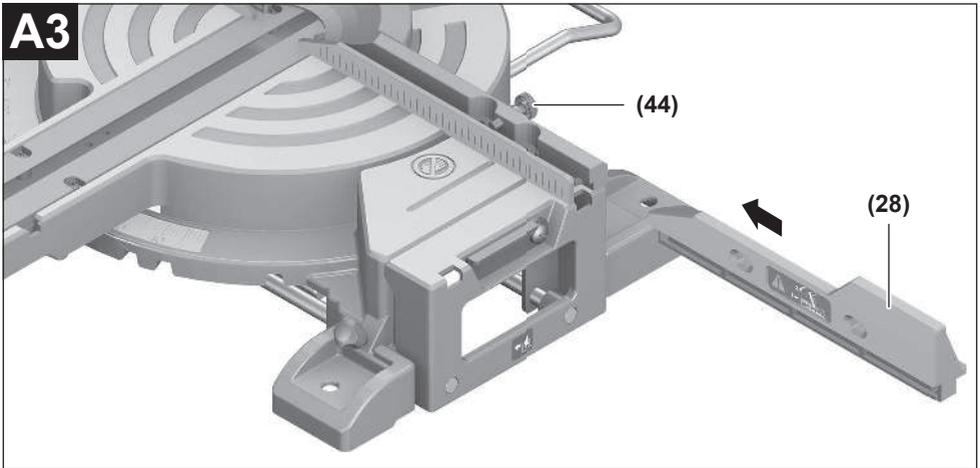
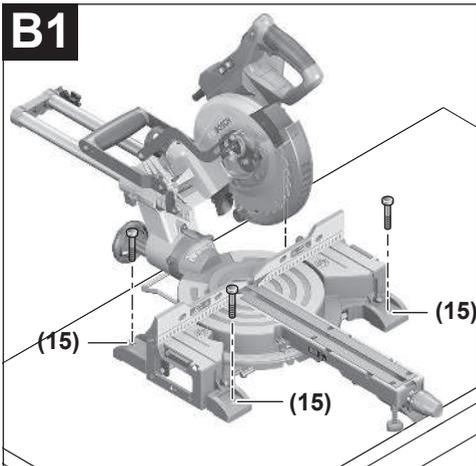
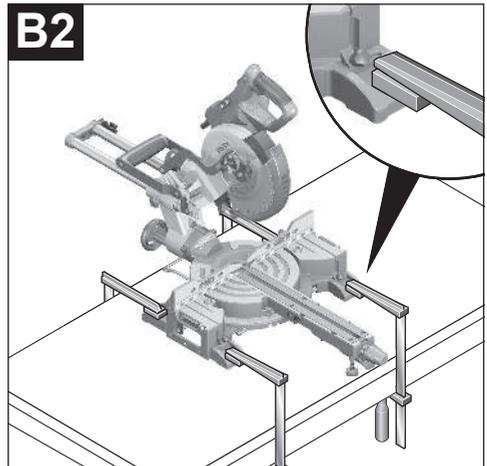


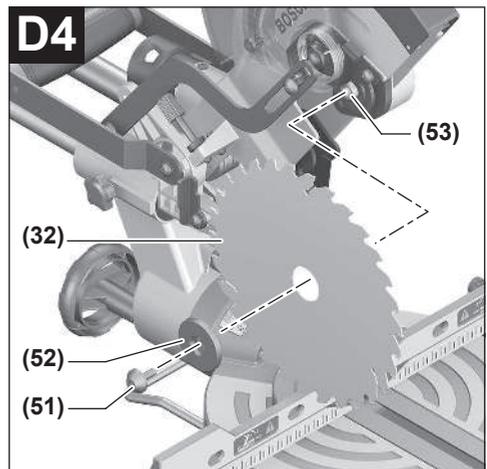
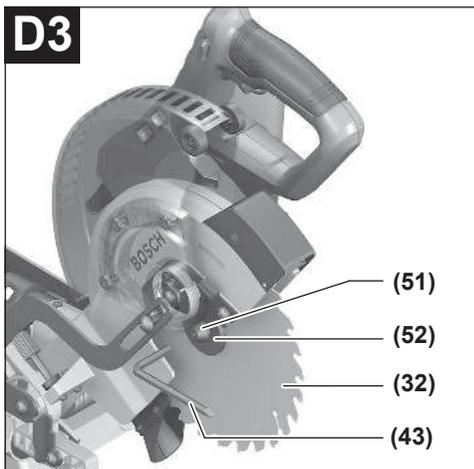
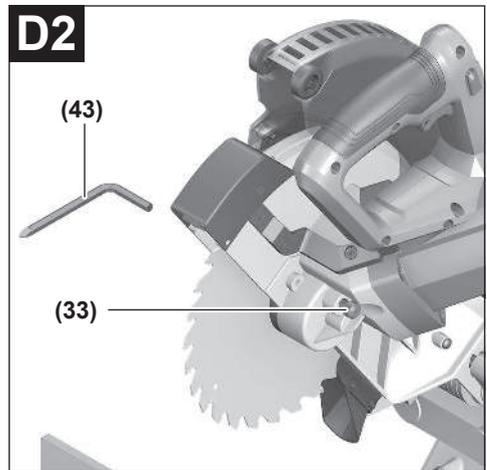
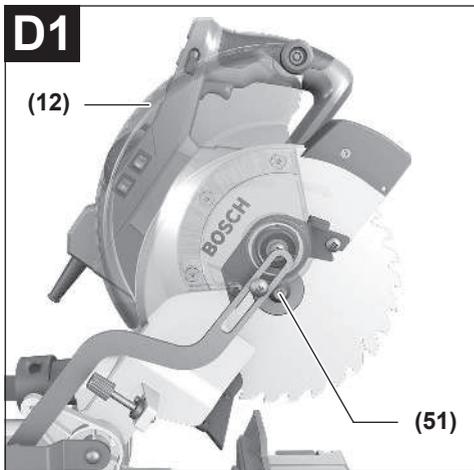
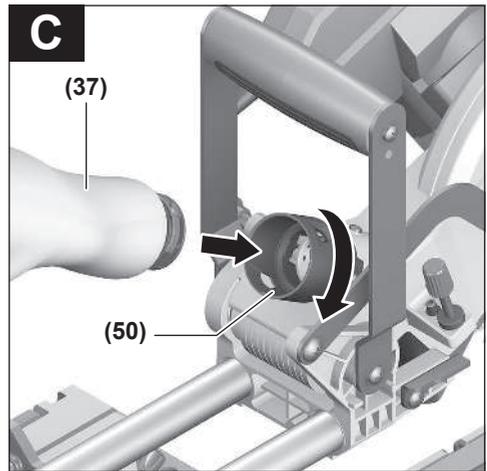
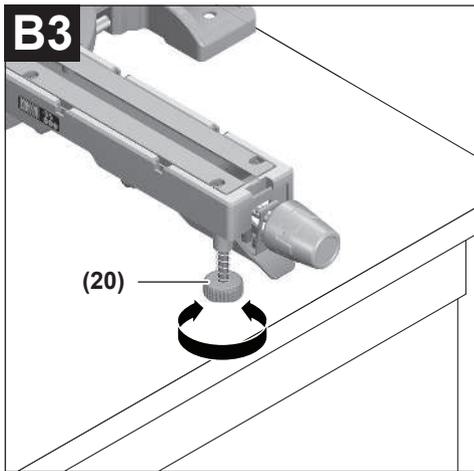


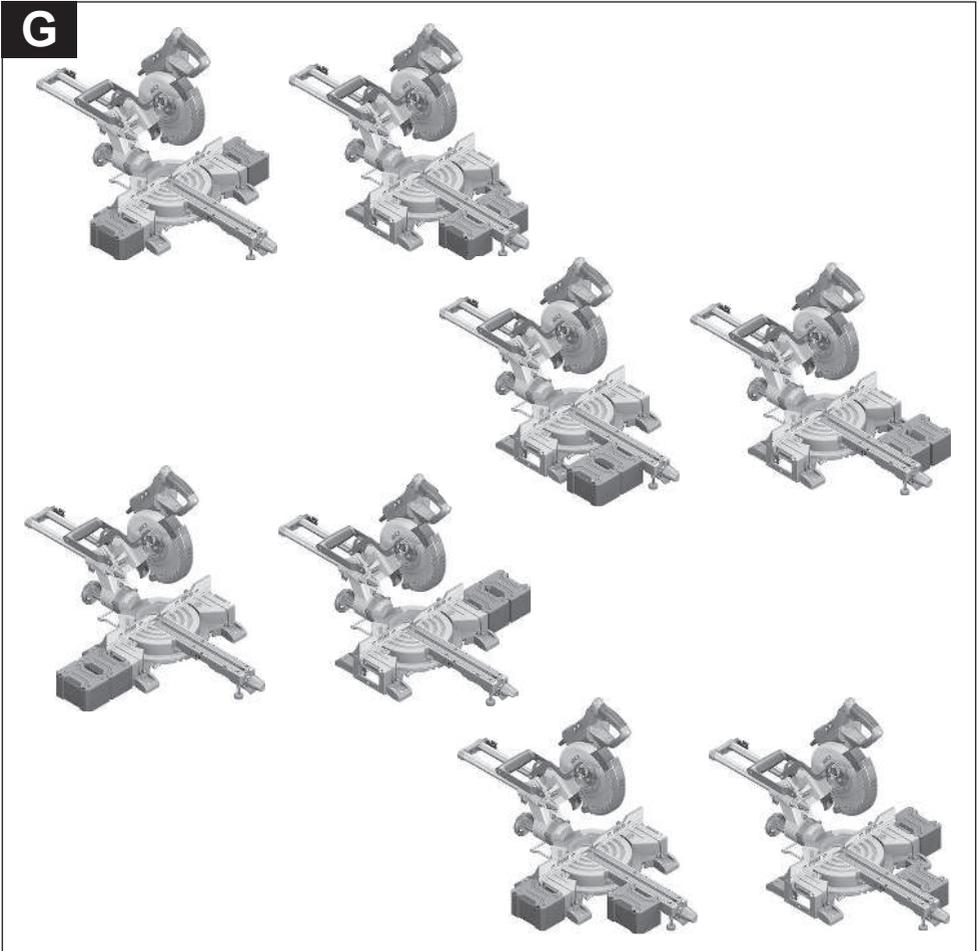
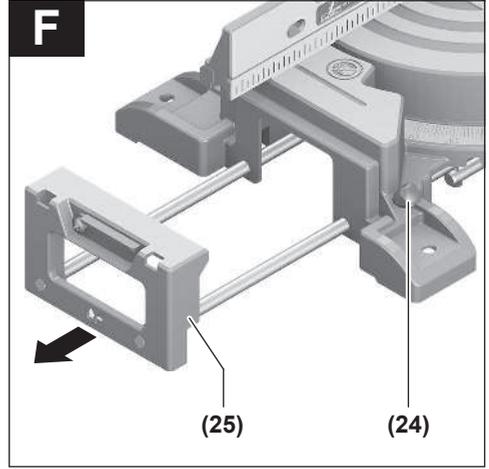
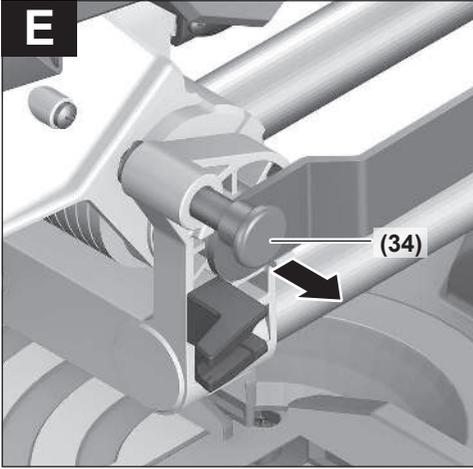


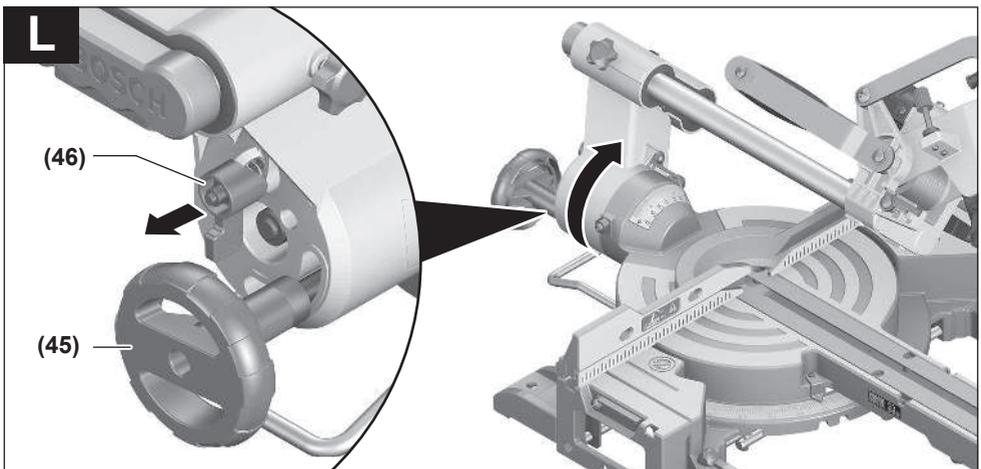
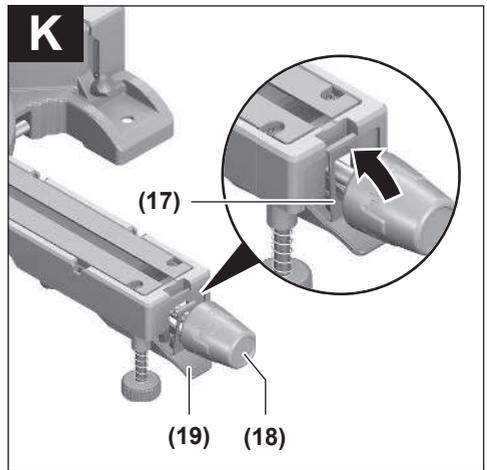
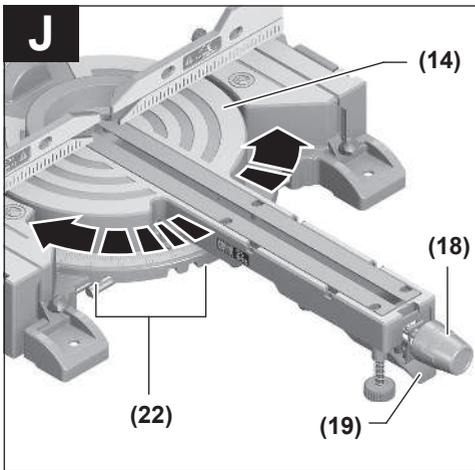
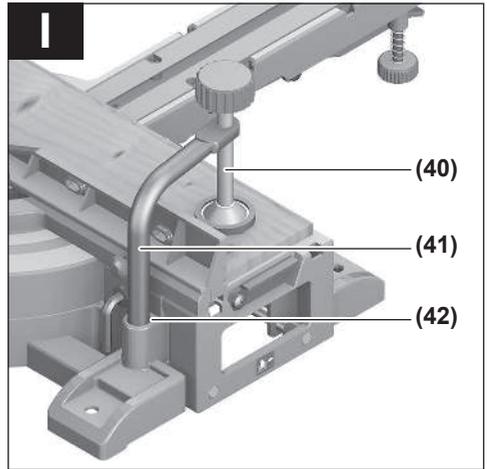
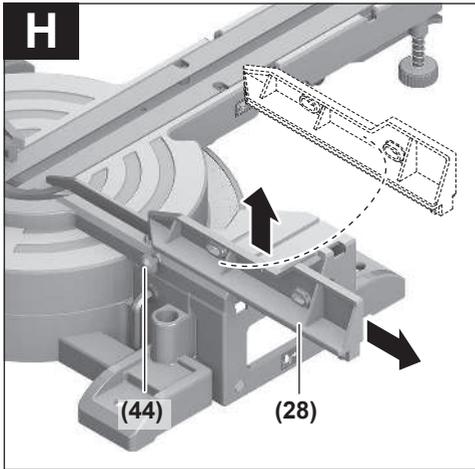
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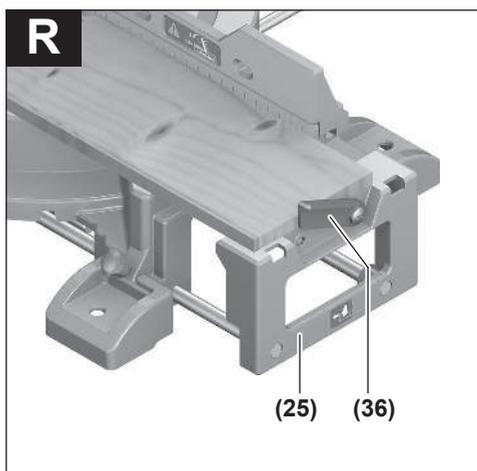
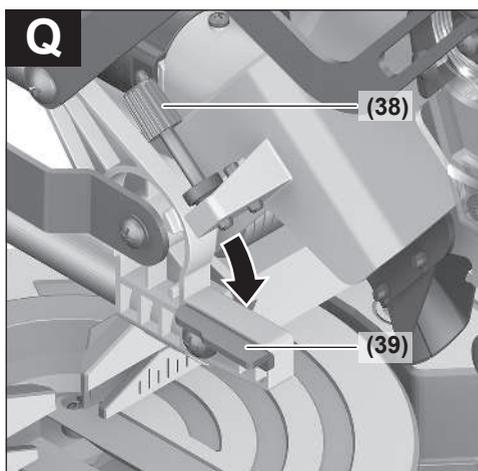
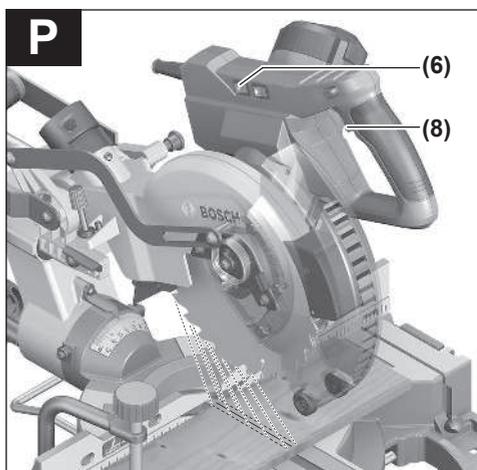
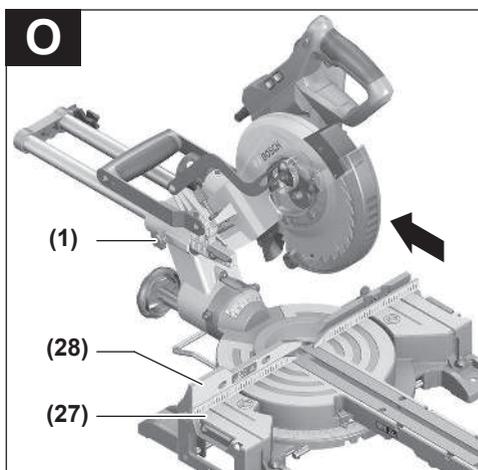
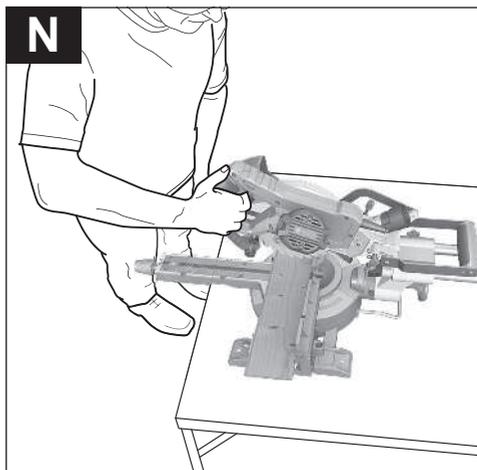
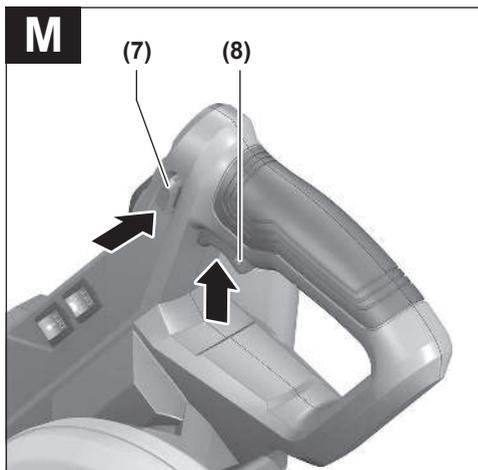


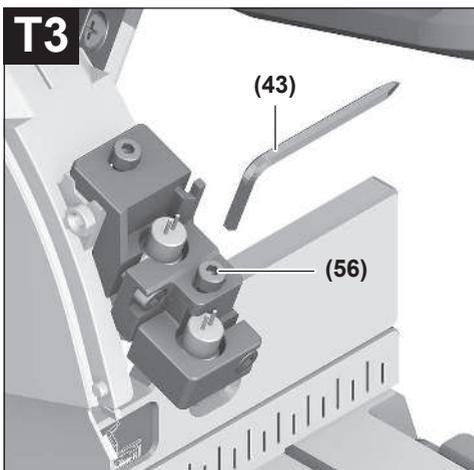
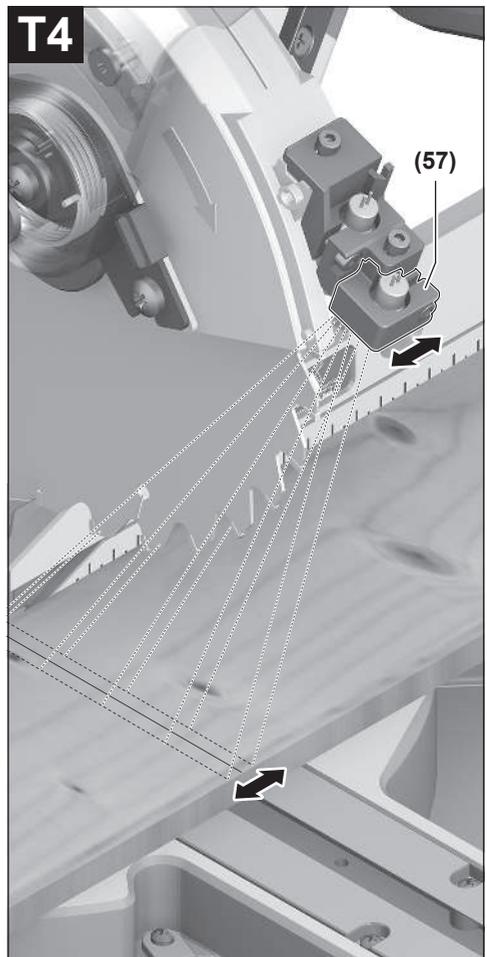
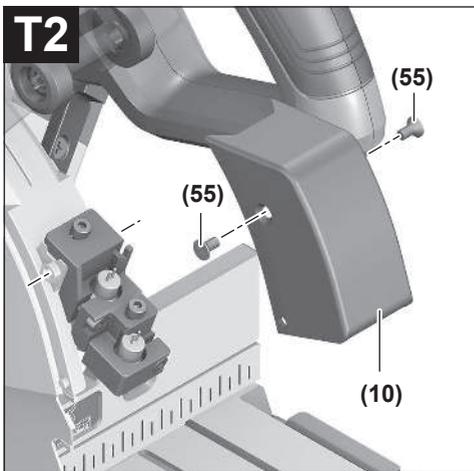
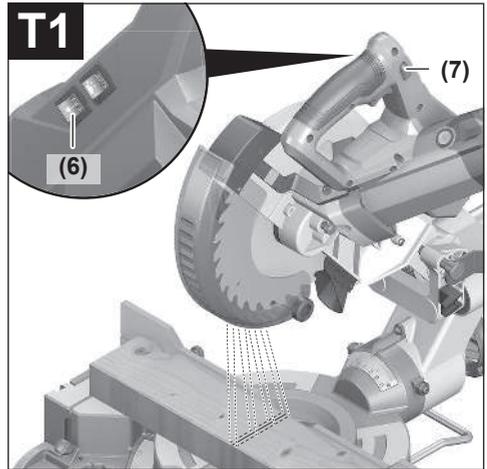
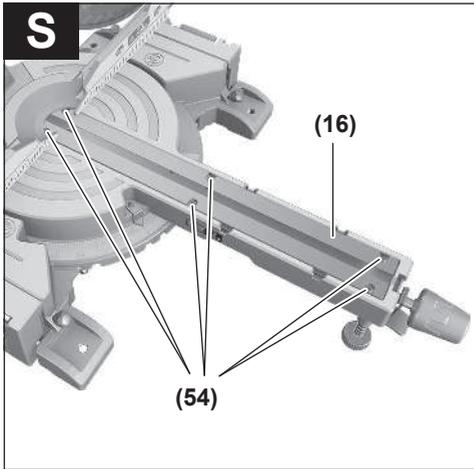
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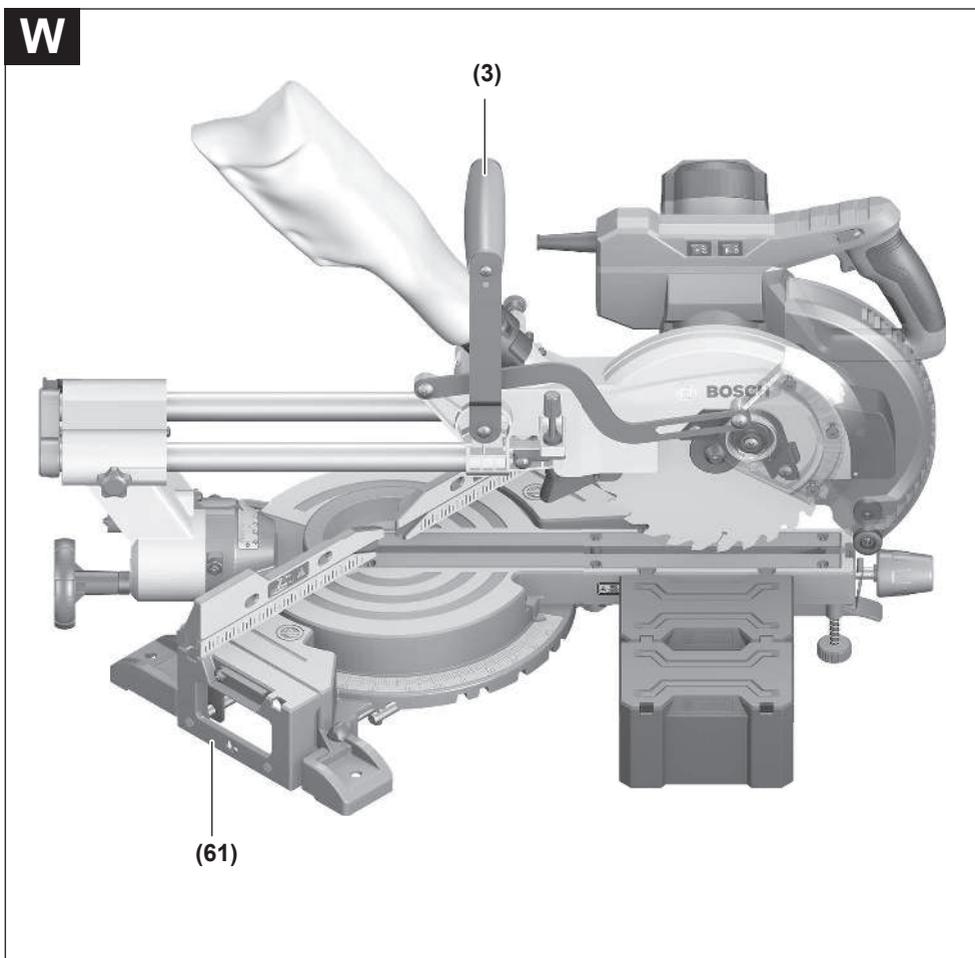
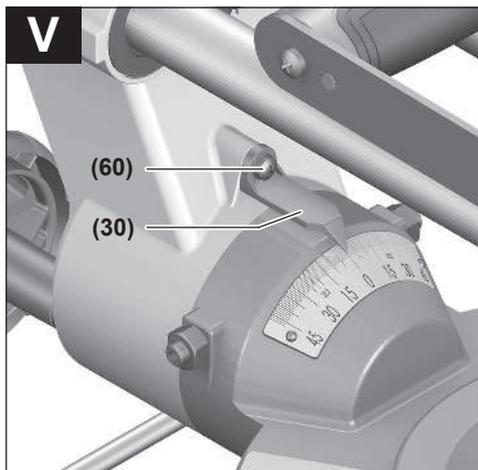
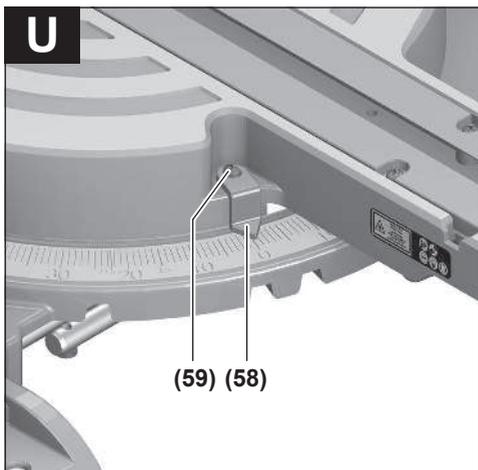












English

Safety instructions

General Power Tool Safety Warnings

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

Save all warnings and instructions for future reference.

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

Work area safety

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

Electrical safety

- ▶ **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- ▶ **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- ▶ **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- ▶ **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- ▶ **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- ▶ **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

Personal safety

- ▶ **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inatten-

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

- ▶ **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- ▶ **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or 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 Warnings for Mitre Saws

- ▶ **Mitre saws are intended to cut wood or wood-like products, they cannot be used with abrasive cut-off wheels for cutting ferrous material such as bars, rods,**

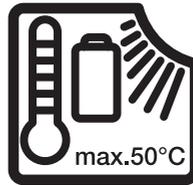
- studs, etc.** Abrasive dust causes moving parts such as the lower guard to jam. Sparks from abrasive cutting will burn the lower guard, the kerf insert and other plastic parts.
- ▶ **Use clamps to support the workpiece whenever possible. If supporting the workpiece by hand, you must always keep your hand at least 100 mm from either side of the saw blade. Do not use this saw to cut pieces that are too small to be securely clamped or held by hand.** If your hand is placed too close to the saw blade, there is an increased risk of injury from blade contact.
- ▶ **The workpiece must be stationary and clamped or held against both the fence and the table. Do not feed the workpiece into the blade or cut "freehand" in any way.** Unrestrained or moving workpieces could be thrown at high speeds, causing injury.
- ▶ **Push the saw through the workpiece. Do not pull the saw through the workpiece. To make a cut, raise the saw head and pull it out over the workpiece without cutting, start the motor, press the saw head down and push the saw through the workpiece.** Cutting on the pull stroke is likely to cause the saw blade to climb on top of the workpiece and violently throw the blade assembly towards the operator.
- ▶ **Never cross your hand over the intended line of cutting either in front or behind the saw blade.** Supporting the workpiece "cross handed" i.e. holding the workpiece to the right of the saw blade with your left hand or vice versa is very dangerous.
- ▶ **Do not reach behind the fence with either hand closer than 100 mm from either side of the saw blade, to remove wood scraps, or for any other reason while the blade is spinning.** The proximity of the spinning saw blade to your hand may not be obvious and you may be seriously injured.
- ▶ **Inspect your workpiece before cutting. If the workpiece is bowed or warped, clamp it with the outside bowed face toward the fence. Always make certain that there is no gap between the workpiece, fence and table along the line of the cut.** Bent or warped workpieces can twist or shift and may cause binding on the spinning saw blade while cutting. There should be no nails or foreign objects in the workpiece.
- ▶ **Do not use the saw until the table is clear of all tools, wood scraps, etc., except for the workpiece.** Small debris or loose pieces of wood or other objects that contact the revolving blade can be thrown with high speed.
- ▶ **Cut only one workpiece at a time.** Stacked multiple workpieces cannot be adequately clamped or braced and may bind on the blade or shift during cutting.
- ▶ **Ensure the mitre saw is mounted or placed on a level, firm work surface before use.** A level and firm work surface reduces the risk of the mitre saw becoming unstable.
- ▶ **Plan your work. Every time you change the bevel or mitre angle setting, make sure the adjustable fence is set correctly to support the workpiece and will not interfere with the blade or the guarding system.** Without

turning the tool "ON" and with no workpiece on the table, move the saw blade through a complete simulated cut to assure there will be no interference or danger of cutting the fence.

- ▶ **Provide adequate support such as table extensions, saw horses, etc. for a workpiece that is wider or longer than the table top.** Workpieces longer or wider than the mitre saw table can tip if not securely supported. If the cut-off piece or workpiece tips, it can lift the lower guard or be thrown by the spinning blade.
- ▶ **Do not use another person as a substitute for a table extension or as additional support.** Unstable support for the workpiece can cause the blade to bind or the workpiece to shift during the cutting operation pulling you and the helper into the spinning blade.
- ▶ **The cut-off piece must not be jammed or pressed by any means against the spinning saw blade.** If confined, i.e. using length stops, the cut-off piece could get wedged against the blade and thrown violently.
- ▶ **Always use a clamp or a fixture designed to properly support round material such as rods or tubing.** Rods have a tendency to roll while being cut, causing the blade to "bite" and pull the work with your hand into the blade.
- ▶ **Let the blade reach full speed before contacting the workpiece.** This will reduce the risk of the workpiece being thrown.
- ▶ **If the workpiece or blade becomes jammed, turn the mitre saw off. Wait for all moving parts to stop and disconnect the plug from the power source and/or remove the battery pack. Then work to free the jammed material.** Continued sawing with a jammed workpiece could cause loss of control or damage to the mitre saw.
- ▶ **After finishing the cut, release the switch, hold the saw head down and wait for the blade to stop before removing the cut-off piece.** Reaching with your hand near the coasting blade is dangerous.
- ▶ **Hold the handle firmly when making an incomplete cut or when releasing the switch before the saw head is completely in the down position.** The braking action of the saw may cause the saw head to be suddenly pulled downward, causing a risk of injury.
- ▶ **Do not let go of the handle once the saw head has reached the lowest position. Always guide the saw head back to the top position by hand.** There is a risk of injury if the saw head moves in an uncontrolled manner.
- ▶ **Keep your work area clean.** Material mixtures are particularly hazardous. Light metal dust may catch fire or explode.
- ▶ **Do not use dull, cracked, bent or damaged saw blades. Unsharpened or improperly set saw blades produce narrow kerf causing excessive friction, blade binding and kickback.**
- ▶ **Do not use saw blades made from high speed steel (HSS).** Such saw blades can easily break.
- ▶ **Always use saw blades with correct size and shape (diamond versus round) of arbour holes.** Saw blades

that do not match the mounting hardware of the saw will run off-centre, causing loss of control.

- ▶ **Never remove cuttings, wood chips, etc. from the cutting area while the power tool is running.** Always guide the tool arm back to the neutral position first and then switch the power tool off.
- ▶ **Do not touch the saw blade after working before it has cooled.** The saw blade becomes very hot while working.
- ▶ **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.
- ▶ This is the only way in which you can protect the battery against dangerous overload.



Protect the power tool against heat, e.g. against continuous intense sunlight, fire, water, and moisture. There is a risk of explosion.



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.

- ▶ **Connect the power tool to a mains supply that is properly connected to earth.** The socket and extension cable must have a fully functioning protective conductor.
- ▶ **Products sold in GB only:**
Your product is fitted with an BS 1363/A approved electric plug with internal fuse (ASTA approved to BS 1362). If the plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place by an authorised customer service agent. The replacement plug should have the same fuse rating as the original plug. The severed plug must be disposed of to avoid a possible shock hazard and should never be inserted into a mains socket elsewhere.
- ▶ **The power tool is delivered with a laser warning sign (see table: "Symbols and their meaning").**
- ▶ **If the text of the laser warning label is not in your national language, stick the provided warning label in your national language over it before operating for the first time.**
- ▶ **Never make warning signs on the machine unrecognisable.**



Do not direct the laser beam at persons or animals and do not stare into the direct or reflected laser beam yourself. You could blind somebody, cause accidents or damage your eyes.

- ▶ **If laser radiation hits your eye, you must close your eyes and immediately turn your head away from the beam.**
- ▶ **Do not make any modifications to the laser equipment.** The setting options described in these operating instructions can be used safely.
- ▶ **Do not let children use the power tool unsupervised.** They could unintentionally blind themselves or other persons

Symbols

The following symbols may be important for the operation of your power tool. Please take note of these symbols and their meaning. Correctly interpreting the symbols will help you to operate the power tool more effectively and safely.

Symbols and their meaning



Laser radiation
Do not look directly into the beam
Class 2 consumer laser product
EN 50689:2021



Keep hands away from the cutting area while the power tool is running. Contact with the saw blade can lead to injuries.



Wear a dust mask.



Wear safety goggles.



Wear hearing protection. Exposure to noise can cause hearing loss.



Danger area! Keep hands, fingers and arms away from this area.

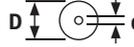


When transporting the power tool, hold it only at the locations indicated (recessed handles) or by the transport handle.

Symbols and their meaning



When sawing bevel angles, the adjustable fences must be pulled outwards or removed completely.



Take note of the dimensions of the saw blade (saw blade diameter **D**, hole diameter **d**). The hole diameter **d** must match the tool spindle without play. If it is necessary to use reducers, ensure that the dimensions of the reducer are suitable for the base blade thickness and the saw blade hole diameter, as well as the tool spindle diameter. Wherever possible, use the reducers provided with the saw blade.

The saw blade diameter **D** must match the information specified on the symbol.

See also: "Dimensions of suitable saw blades" in the "Technical Data" section.

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.



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 as a stationary machine for making straight cuts in wood with and against the grain. Mitre angles of -48° to $+48^\circ$ as well as bevel angles of 47° (left-hand side) to 47° (right-hand side) are possible.

The power tool is designed with sufficient capacity for sawing hardwood and softwood as well as chipboard and fibre-board.

When using appropriate saw blades, sawing aluminium profiles and plastic is also possible.

This product is a consumer laser product in accordance with EN 50689.

Product Features

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

- | | | | |
|------|---|------|---|
| (1) | Locking screw for slide device | (32) | Saw blade |
| (2) | Slide device | (33) | Spindle lock |
| (3) | Transport handle | (34) | Transport safety lock |
| (4) | Protective guard | (35) | Tilt protector |
| (5) | On/Off switch for worklight | (36) | Length stop |
| (6) | On/Off switch for laser (cutting line indication) | (37) | Dust bag |
| (7) | Lock-off function for On/Off switch | (38) | Depth stop adjusting screw |
| (8) | On/Off switch | (39) | Depth stop |
| (9) | Handle | (40) | Threaded rod |
| (10) | Laser protection cap | (41) | Screw clamp |
| (11) | Laser beam outlet aperture | (42) | Holes for screw clamp |
| (12) | Retracting blade guard | (43) | Hex key/slotted screwdriver |
| (13) | Guide roller | (44) | Locking screw for the adjustable fence |
| (14) | Saw table | (45) | Clamping wheel for bevel angle |
| (15) | Mounting holes | (46) | Locking lever for bevel angle |
| (16) | Insert plate | (47) | Opening for workpiece support (on power tool) |
| (17) | Locking clamp | (48) | Opening for second workpiece support (on workpiece support) |
| (18) | Locking knob for various mitre angles | (49) | Threaded bolts |
| (19) | Mitre pre-setting lever | (50) | Dust extraction adapter |
| (20) | Tilt protector | (51) | Hex socket screw for mounting the saw blade |
| (21) | Laser warning label | (52) | Clamping flange |
| (22) | Detents for standard mitre angles | (53) | Inner clamping flange |
| (23) | Scale for mitre angles | (54) | Fastening screws for insert plate |
| (24) | Clamping screw for saw table extension | (55) | Screw for laser protection cap |
| (25) | Saw table extension | (56) | Fastening screw for laser housing |
| (26) | Workpiece support (flexibly pluggable) | (57) | Laser housing |
| (27) | Fixed fence | (58) | Angle indicator for mitre angles |
| (28) | Adjustable fence | (59) | Screw for mitre angle indicator |
| (29) | Scale for bevel angle | (60) | Screw for bevel angle indicator |
| (30) | Angle indicator for bevel angles | (61) | Recessed handles |
| (31) | Chip deflector | | |

Technical Data

Sliding Mitre Saw		GCM 305-216 D	GCM 305-216 D
Article number		3 601 M49 0..	3 601 M49 0B.
Rated power input	W	1200	1200
No-load speed	min ⁻¹	5200	5200
Soft Start		●	●
Laser type	nm	650	650
	mW	< 1	< 1
Laser class		2	2
Weight ^{A)}	kg	16.8	16.8
Protection class		□ / II	□ / II
Dimensions of suitable saw blades			
Saw blade diameter D	mm	216	216
Base blade thickness	mm	1.2-1.8	1.2-1.8

Sliding Mitre Saw	GCM 305-216 D	GCM 305-216 D
Hole diameter d	mm	30
		25.4

A) Without mains connection cable

The specifications apply to a rated voltage [U] of 220 V. These specifications may vary at different voltages and in country-specific models.

Permitted workpiece dimensions (maximum/minimum): (see "Permissible workpiece dimensions", page 23)

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

Noise Information

Noise emission values determined according to **EN IEC 62841-3-9**.

Typically, the A-weighted noise level of the power tool is: Sound pressure level **95 dB(A)**; sound power level **109 dB(A)**. Uncertainty **K = 3 dB**.

Wear hearing protection!

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

The noise emission value given represents 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 noise emission value may differ. This may significantly increase noise emissions over the total working period.

To estimate 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 noise emissions over the total working period.

Assembly

- ▶ **Avoid starting the power tool unintentionally. The mains plug must not be connected to the power supply during assembly or when carrying out any kind of work on the power tool.**
- ▶ **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.

Items included



See the list of items included at the start of the operating manual.

Check to ensure that all the parts listed below have been supplied before using the power tool for the first time:

- Sliding mitre saw with fitted saw blade
- Clamping wheel **(45)**
- Adjustable fence **(28)**
- Screw clamp **(41)**
- Hex key/slotted screwdriver **(43)**
- Dust bag **(37)**

- Workpiece supports **(26)** (2 pieces)

Note: Check the power tool for possible damage.

Before continuing to use the power tool, carefully check that all protective devices or slightly damaged parts are working perfectly and according to specifications. Check that the moving parts are working perfectly and without jamming; check whether any parts are damaged. All parts must be fitted correctly and all the conditions necessary to ensure smooth operation must be met.

If the protective devices or any parts become damaged, you must have them properly repaired or replaced by an authorised service centre.

Fitting individual components

- Carefully remove all parts included in the delivery from their packaging.
- Remove all packing material from the power tool and the accessories provided.
- For ease of assembly when fitting the tool elements that are provided, be aware that the power tool is supplied in the transport position.

Installing Workpiece Supports (see figure A1)

The workpiece supports **(26)** can be positioned left, right or in front of the power tool. The flexible connector system enables a multitude of extension or expansion variants (see figure **G**).

- Insert the workpiece support **(26)** into the openings **(47)** on the power tool or into the openings **(48)** of the second workpiece support as required.
- ▶ **Never carry the power tool using the workpiece supports. Only use the transport devices to transport the power tool.**

Fitting the Clamping Wheel (see figure A2)

The clamping wheel **(45)** fixes the selected bevel angle and is required for safe operation.

- Unscrew the hex nut from the threaded bolts **(49)**.
- Screw the clamping wheel **(45)** clockwise onto the threaded bolts **(49)** and tighten it.

Fitting the Adjustable Fence (see figure A3)

The adjustable fence **(28)** must be fitted before sawing.

- Slide the fence **(28)** on the right of the saw blade into the corresponding groove and tighten the locking screw **(44)**. The levelled side of the fence must face inwards towards the saw blade.

Stationary or flexible mounting

- ▶ **To ensure safe handling, the power tool must be mounted on a flat, stable work surface (e.g. work bench) before use.**

Mounting on a work surface (see figure B1–B2)

- Use suitable screw fasteners to secure the power tool to the work surface. The holes (15) are used for this purpose.

or

- Firmly clamp the base of the power tool to the work surface with commercially available screw clamps.

Mounting on a Bosch saw stand

With the height-adjustable legs, Bosch GTA saw stands provide firm support for the power tool on any surface. The workpiece supports of the saw stand are used for underlaying long workpieces.

- ▶ **Read all the warnings and instructions included with the saw stand.** Failure to observe the warnings and follow instructions may result in electric shock, fire and/or serious injury.
- ▶ **Assemble the saw stand properly before mounting the power tool.** Correct assembly is important to prevent the risk of collapsing.
- Mount the power tool on the saw stand in the transport position.

Flexible installation (not recommended) (see figure B3)

If, in exceptional circumstances, it is not possible to mount the power tool on a flat and stable work surface, you can improvise by setting it up with the tilt protector.

- ▶ **Without the tilt protector, the power tool will not be stable and can tip over especially when sawing maximum mitre and/or bevel angles.**
- Rotate the tilt protector (20) inwards or outwards until the power tool is positioned straight on the work surface.

Dust/Chip Extraction

Do not perform work without taking dust-reducing measures.

Using a suitable dust extraction attachment or a dust box/dust bag will reduce exposure to harmful dust. Provide good ventilation at the workplace. Always use suitable breathing protection. If you are using a dust box, empty it in good time and clean the filter element regularly to ensure optimal dust extraction.

If you are using a dust extractor, refer to the requirements listed below. 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.

Requirements for the Dust Extractor

Recommended hose nominal diameter	mm	28
Required vacuum pressure ^{A)}	mbar hPa	≥ 140 ≥ 140

Requirements for the Dust Extractor

Required flow rate ^{A)}	l/s m ³ /h	≥ 23 ≥ 82.8
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.

The dust/chip extraction system can be blocked by dust, chips or fragments of the workpiece.

- Switch the power tool off and pull the mains plug out of the socket.
 - Wait until the saw blade has come to a complete stop.
 - Determine the cause of the blockage and eliminate it.
- The dust/chip extraction system can be blocked by dust, chips or fragments of the workpiece.
- Switch the power tool off and remove the battery.
 - Wait until the saw blade has come to a complete stop.
 - Determine the cause of the blockage and eliminate it.

External Dust Extraction

You can also attach a dust extraction hose (35 mm diameter) to the chip ejector for extraction.

- Connect the dust extraction hose to the chip ejector.
- 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.

Changing the saw blade (see figures D1–D4)

- ▶ **Pull the plug out of the socket before carrying out any work on the power tool.**
- ▶ **Wear protective gloves when fitting the saw blade.** There is a risk of injury when touching the saw blade.

Only use saw blades that have a maximum permitted speed higher than the no-load speed of the power tool.

Only use saw blades that match the specifications given in this operating manual and that have been tested and marked in accordance with EN 847-1.

Only use saw blades that are recommended by the power tool manufacturer and are suitable for use on the material you want to saw. This will prevent the saw teeth overheating when sawing.

Removing the Saw Blade

- Bring the power tool into the work position.
- Swivel the retracting blade guard (12) to the back and hold it in this position.
- Turn the hex socket screw (51) with the hex key (6 mm) (43) and at the same time push the spindle lock (33) until it engages.
- Keep holding the spindle lock (33) and loosen the hex socket screw (51) by turning it clockwise (left-hand thread).
- Remove the clamping flange (52).

- Remove the saw blade (32).
- Slowly push the retracting blade guard back down.

Fitting the saw blade

- ▶ **When fitting the saw blade, make sure that the cutting direction of the teeth (arrow direction on the saw blade) matches the direction of the arrow on the protective guard.**

If required, clean all the parts you want to fit before installing them.

- Swivel the retracting blade guard (12) to the back and hold it in this position.
- Place the new saw blade on the inner clamping flange (53).
- Fit the clamping flange (52) and the hex socket screw (51). Press the spindle lock (33) until it engages and tighten the hex socket screw by turning it anticlockwise.
- Slowly push the retracting blade guard back down.

Operation

- ▶ **Pull the plug out of the socket before carrying out any work on the power tool.**
- ▶ **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.
- ▶ **Products that are only sold in AUS and NZ:** Use a residual current device (RCD) with a nominal residual current of 30 mA or less.

Transport Safety Lock (see figure E)

The transport safety lock (34) makes it easier to handle the power tool when transporting it to various working locations.

Unlocking the power tool (work position)

- Press the tool arm down slightly by the handle (9) to release the transport safety lock (34).
- Pull the transport safety lock (34) all the way out.
- Slowly guide the tool arm upwards.

Moving the fence (see figure H)

When sawing mitre and/or bevel angles, you have to pull the left-hand or right-hand adjustable fence (28) outwards depending on the cutting direction, or remove it completely.

Bevel angle	Mitre angle	
0°–22.5° (left/right)	> 0°	<ul style="list-style-type: none"> – Loosen the left-hand/right-hand locking screw (44). – Pull the left-hand/right-hand adjustable fence (28) all the way out.
22.5°–47° (left/right)	≤ 48° (left/right)	<ul style="list-style-type: none"> – Loosen the left-hand/right-hand locking screw (44). – Pull the left-hand/right-hand adjustable fence (28) all the way out. – Lift the adjustable fence upwards and out of the way.

Clamping the Workpiece (see figure I)

To ensure maximum safety while working, the workpiece must always be firmly clamped.
Do not saw workpieces that are too small to clamp firmly.

Locking the power tool (transport position)

- Loosen the locking screw (1) if it is clamping the slide device (2) in place. Pull the tool arm fully forward and tighten the locking screw again to lock the slide device.
- Pull the depth stop (39) upwards.
- To lock the saw table (14) in place, tighten the locking knob (18).
- Swing the tool arm downwards by the handle (9) until you can press the transport safety lock (34) all the way in.

The tool arm is now securely locked and ready for transportation.

Preparing for operation

To ensure precise cuts, the basic settings of the power tool must be checked and adjusted as necessary after intensive use.

Experience and suitable special tools are required for this.

A Bosch after-sales service point will handle this work quickly and reliably.

Extending/Expanding the Saw Table (see figures F–G)

The free end of long and heavy workpieces must have something placed underneath it or be supported.

The saw table can be extended left and right using the saw table extensions (25).

- Loosen the clamping screw (24).
- Pull out the saw table extension (25) to the required length.
- Retighten the clamping screw (24) to fix the saw table extension.

The flexible connector system of the workpiece supports (26) enables a multitude of extension or expansion variants.

- Insert the workpiece support (26) into the openings (47) on the power tool or into the openings (48) of the second workpiece support as required.

- ▶ **Never carry the power tool using the workpiece supports.**
Only use the transport devices to transport the power tool.

- Press the workpiece firmly against the fences (28) and (27).
- Insert the supplied screw clamp (41) into one of the corresponding holes (42).

- Adjust the threaded rod **(40)** of the screw clamp to the workpiece height.
- Tighten the threaded rod **(40)** to fix the workpiece in place.

Adjusting mitre angles

Setting Standard Mitre Angles (see figure J)

For quick and precise setting of commonly used mitre angles, detents **(22)** are provided on the saw table:

Left	Right
0°	
45°; 30°; 22.5°; 15°	15°; 22.5°; 30°; 45°

- Loosen the locking knob **(18)** if it is tightened.
- Pull the lever **(19)** and rotate the saw table **(14)** left or right to the required detent.
- Release the lever again. The lever must be felt to engage in the detent.
- Retighten the locking knob **(18)**.

Setting Any Mitre Angle (see figure K)

The mitre angle can be set between **48°** (left-hand side) and **48°** (right-hand side).

- Loosen the locking knob **(18)** if it is tightened.
- Pull the lever **(19)** and at the same time press the locking clamp **(17)** until this clicks into the slot provided for it. This means the saw table can now move freely.
- Turn the saw table **(14)** left or right by the locking knob until the angle indicator **(58)** shows the required mitre angle.
- Retighten the locking knob **(18)**.
- To loosen the lever **(19)** again (for setting standard mitre angles), pull the lever upwards. The locking clamp **(17)** springs back into its original position and the lever **(19)** can click back into the detents **(22)**.

Adjusting bevel angles

The bevel angle can be set between **47°** (left-hand side) and **47°** (right-hand side).

For quick and precise setting of frequently used bevel angles, fixed positions have been provided for the angles 0°, 22.5° and 45°.

- Make sure that the clamping wheel **(45)** is fitted (see "Fitting the Clamping Wheel (see figure A2)", page 19).

Setting Standard Bevel Angles (see figure L)

- Pull the adjustable fences **(28)** all the way out or remove them completely.
- Release the clamping wheel **(45)**.
- Pull the locking lever **(46)** out and engage it in the free running position. This enables you to use the complete bevel angle range (left and right).

- Swivel the tool arm left or right by the handle **(9)** until the angle indicator **(30)** shows the required standard bevel angle.
- Turn the locking lever **(46)**. The locking lever must be felt to engage in the position of the required standard bevel angle.
- Retighten the clamping wheel **(45)**.

Setting any bevel angle

- Pull the adjustable fences **(28)** all the way out or remove them completely.
- Release the clamping wheel **(45)**.
- Pull the locking lever **(46)** out and engage it in the free running position. This enables you to use the complete bevel angle range (left and right).
- Swivel the tool arm left or right by the handle **(9)** until the angle indicator **(30)** shows the required bevel angle.
- Retighten the clamping wheel **(45)**.

Start-up

- ▶ **Pay attention to the mains voltage.** The voltage of the power source must match the voltage specified on the rating plate of the power tool.

Switching On the worklight

The worklight improves visibility in the immediate work area. You can achieve particularly good sawing results by using the worklight together with the cutting line that is marked by the laser beams.

- Switch on the worklight with the switch **(5)**.

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

Switching on (see figure M)

- To **switch on** the power tool, **first** slide the lock-off button **(7)** to the middle and **then** press and hold the on/off switch **(8)**.

Note: For safety reasons, the on/off switch **(8)** cannot be locked; it must remain pressed during the entire operation.

Switching off

- To **switch off**, release the on/off switch **(8)**.

Soft Start

The Soft Start restricts the power consumption when the power tool is switched on and enables operation with a 16 A fuse.

Note: If the power tool runs at full speed immediately after being switched on, this means that the Soft Start has failed. The power tool must be sent to the after-sales service without delay.

Sawing

General sawing instructions

- ▶ **Always tighten the locking knob (18) and the clamping wheel (45) firmly before sawing.** Otherwise the saw blade can become wedged in the workpiece.

- **For all cuts, it must first be ensured that the saw blade at no time can come in contact with the fence, screw clamps or other machine parts. Remove any mounted auxiliary stops or adjust them accordingly.**

Protect the saw blade against impact and shock. Do not subject the saw blade to lateral pressure.

Only saw materials which are permitted within the scope of the intended use.

Do not saw warped/bent workpieces. The workpiece must always have a straight edge to face against the fence.

The free end of long and heavy workpieces must have something placed underneath it or be supported.

Make sure that the retracting blade guard operates properly and that it can move freely. The retracting blade guard must open when the tool arm is guided downwards. When the tool arm is guided upwards, the retracting blade guard must close again over the saw blade and lock in the uppermost position of the tool arm.

Position of the operator (see figure N)

- **Do not stand in line with the saw blade in front of the power tool. Always stand to the side of the saw blade.** This protects your body against possible kickback.

- Keep hands, fingers and arms away from the rotating saw blade.
- Do not reach one hand across the other when in front of the tool arm.

Sawing with slide movement

- For cuts made using the slide device **(2)** (wide workpieces), loosen the locking screw **(1)** if it is tightened.
- Set the required mitre and/or bevel angle as necessary.
- Press the workpiece firmly against the fences **(27)** and **(28)**.
- Firmly clamp the workpiece as appropriate for its dimensions.
- Pull the tool arm away from the fence **(27)** until the saw blade is in front of the workpiece.
- Switch the power tool on.
- Slowly guide the tool arm downwards using the handle **(9)**.
- Now push the tool arm towards the fences **(27)** and **(28)** and saw through the workpiece with uniform feed.
- Switch off the power tool and wait until the saw blade has come to a complete stop.
- Slowly guide the tool arm upwards.

Sawing without slide movement (cutting off) (see figure O)

- For cuts without slide movement (small workpieces), loosen the locking screw **(1)** if it is tightened. Push the tool arm all the way towards the fence **(27)** and retighten the locking screw **(1)**.
- Set the required mitre and/or bevel angle as necessary.
- Press the workpiece firmly against the fences **(27)** and **(28)**.

- Firmly clamp the workpiece as appropriate for its dimensions.
- Switch the power tool on.
- Slowly guide the tool arm downwards using the handle **(9)**.
- Saw through the workpiece applying uniform feed.
- Switch off the power tool and wait until the saw blade has come to a complete stop.
- Slowly guide the tool arm upwards.

Practical advice

Marking the cutting line (see figure P)

Two laser beams indicate the cutting width of the saw blade. This allows for exact positioning of the workpiece for sawing, without having to open the retracting blade guard.

- Switch on the laser beams with the switch **(6)**.
- Position your mark on the workpiece between the two laser lines.

Note: Before sawing, check if the cutting width is still indicated correctly (see "Adjusting the laser", page 24). Vibrations during intensive use, for example, can cause the laser beams to become misaligned.

Permissible workpiece dimensions

Maximum workpiece dimensions:

Mitre angle	Bevel angle	Height x width [mm]
0°	0°	70 x 305
45° (left/right)	0°	70 x 215
45° (left)	45° (left)	42 x 215
45° (right)	45° (right)	20 x 215
0°	45° (left)	42 x 305
0°	45° (right)	20 x 305

Minimum workpiece dimensions (= all workpieces that can be secured left or right of the saw blade using the supplied screw clamps **(41)**): 100 x 40 mm (length x width)

Maximum cutting depth (0°/0°): 70 mm

Adjusting the Depth Stop (Sawing the Groove) (see figure Q)

The depth stop needs to be adjusted if you wish to saw a groove.

- Swivel the depth stop **(39)** forwards.
- Swivel the tool arm by the handle **(9)** into the required position.
- Turn the adjusting screw **(38)** until the end of the screw touches the depth stop **(39)**.
- Slowly guide the tool arm upwards.

Sawing workpieces of the same length (see figure R)

The left or right length stop **(36)** can be used for easily sawing workpieces of the same length.

- Turn the length stop **(36)** upwards.
- Set the saw table extension **(25)** to the required workpiece length.

Special workpieces

When sawing curved or round workpieces, these must be especially secured against slipping. At the cutting line, there should be no gap between the workpiece, fence and saw table.

If necessary, you will need to manufacture special fixtures.

Replacing insert plates (see figure S)

The insert plates (16) can become worn after prolonged use of the power tool.

Replace faulty insert plates.

- Bring the power tool into the work position.
- Unscrew the screws (54) using a commercially available cross-headed screwdriver and remove the old insert plate (16).
- Insert the new insert plate and screw the screws (54) in tight again.

Adjusting the laser

Note: To test the laser function, the power tool must be connected to the power supply.

- ▶ **While adjusting the laser (e.g. when moving the tool arm), never activate the on/off switch.** Starting the power tool accidentally can lead to injuries.
- Bring the power tool into the work position.
- Turn the saw table (14) to the 0° detent (22). The lever (19) must be felt to engage in the detent.

To ensure precise cuts, the laser beams must be checked and adjusted as necessary after intensive use. Experience and suitable special tools are required for this. A Bosch after-sales service point will handle this work quickly and reliably.

Checking (see figure T1)

- Draw a straight cutting line on the workpiece.
- Slowly guide the tool arm downwards using the handle (9).
- Position the workpiece so that the teeth of the saw blade line up with the cutting line.
- Hold the workpiece in this position and slowly guide the tool arm back up.
- Clamp the workpiece.
- Switch on the laser beams with the switch (6).

The laser beams must be at the same distance from the marked cutting line on the workpiece left and right along the entire length, even if the tool arm is being guided downwards.

Removing the Laser Protection Cap (see figure T2)

- Unscrew the two screws (55) of the laser protection cap (10) using a hex key/slotted screwdriver (43) and remove the laser protection cap.

Adjusting the Lateral Deviation when Moving the Tool Arm (see figures T3-T4)

- Loosen the fastening screw (56) (by approx. one to two turns).
Do not unscrew the screw completely.

- Move the laser housing (57) right or left until the laser beams no longer laterally deviate when the tool arm moves downwards.
- Hold the laser housing (57) in this position and retighten the fastening screw (56).
- Reattach the laser protection cap (10).

Checking and Adjusting the Basic Settings

To ensure precise cuts, the basic settings of the power tool must be checked and adjusted as necessary after intensive use.

Experience and suitable special tools are required for this. A Bosch after-sales service point will handle this work quickly and reliably.

Aligning the mitre angle indicator (see figure U)

- Bring the power tool into the work position.
- Turn the saw table (14) to the 0° detent (22). The lever (19) must be felt to engage in the detent.

Checking

The angle indicator (58) must be in line with the 0° mark of the scale (23).

Setting

- Loosen the screw (59) using a cross-headed screwdriver and align the angle indicator along the 0° mark.
- Retighten the screw.

Aligning the Angle Indicator (Vertical) (see figure V)

- Bring the power tool into the work position.
- Release the clamping wheel (45).
- Pull the locking lever (46) out and set the bevel angle to 0° with the tool arm.
- Let go of the locking lever (46). The locking lever must be felt to engage in the position
- Retighten the clamping wheel (45).

Checking

The angle indicator (30) must be in line with the 0° mark of the scale (29).

Setting

- Loosen the screw (60) using a cross-headed screwdriver and align the angle indicator along the 0° mark.
- Retighten the screw.

Transporting the Power Tool (see figure W)

- ▶ **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.

Before transporting the power tool, the following steps must be carried out:

- Loosen the locking screw (1) if it is tightened. Pull the tool arm fully forwards and retighten the locking screw.
- Ensure that the depth stop (39) is swung all the way back and the adjusting screw (38) does not touch anything when you move the tool arm.
- Bring the power tool into the transport position.

- Remove all accessories that cannot be securely fitted to the power tool. If possible, transport unused saw blades in an enclosed container.
 - Turn the transport handle **(3)** so that it is vertical.
 - Carry the power tool by the transport handle **(3)** or hold it by the recessed handles **(61)** on the sides of the saw table.
- ▶ **Only use the transport devices to transport the power tool and never the protective devices or workpiece supports.**

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.
- ▶ **Pull the plug out of the socket before carrying out any work on the power tool.**
- ▶ **To ensure safe and efficient operation, always keep the power tool and the ventilation slots clean.**

If the battery is no longer working, please contact an authorised after-sales service agent for **Bosch** power tools.

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

The retracting blade guard **(12)** must always be able to move freely and retract automatically. It is therefore important to keep the area around the retracting blade guard clean at all times.

Always remove dust and chips after working by blowing out with compressed air or using a brush.

Clean the guide roller **(13)** regularly.

Noise reduction measures

Measures implemented by the manufacturer:

- Soft start
- Provided with a saw blade specially developed for noise reduction

Measures implemented by the operator:

- Low-vibration mounting on a stable work surface
- Use of saw blades with noise-reducing functions
- Regular cleaning of the saw blade and power tool

After-Sales Service and Application Service

Australia

Phone: (01300) 307044

Great Britain

Tel. Service: (0344) 7360109

GB Importer:

Robert Bosch Ltd.
Broadwater Park

North Orbital Road
Uxbridge
UB9 5HJ

India

Phone: (044) 64561816

Israel

Tel. 03-9630050

Korea

Tel.: 080-955-0909 (Hotline)

Malaysia

Tel.: (03) 79663194

You can find the link to our service addresses and warranty conditions on the last page.

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

Disposal

The power tool, accessories and packaging should be recycled in an environmentally friendly manner.

 Do not dispose of power tools along with household waste.

Only for EU countries and United Kingdom:

Electrical and electronic equipment that is 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.



1 609 B07 930



1 609 B06 930



1 609 B07 675



GTA 3800
0 601 B24 000



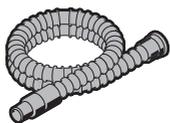
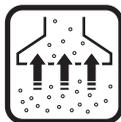
GTA 2500 Compact
0 601 B12 400



GTA 2600
0 601 B12 300



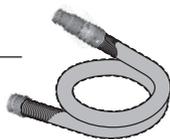
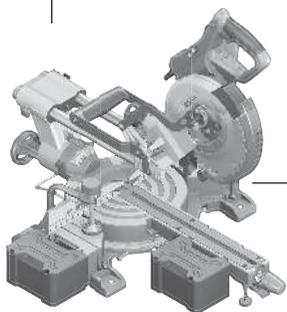
GTA 2500 W
0 601 B12 100



Ø 28 mm:
2 608 000 772 (3.2 m)



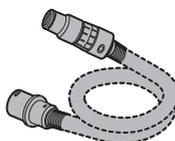
GAS 18V-12 MC



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)

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