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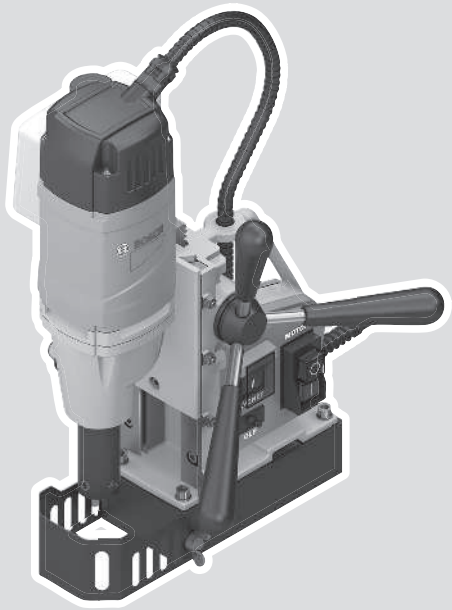

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en Original instructions

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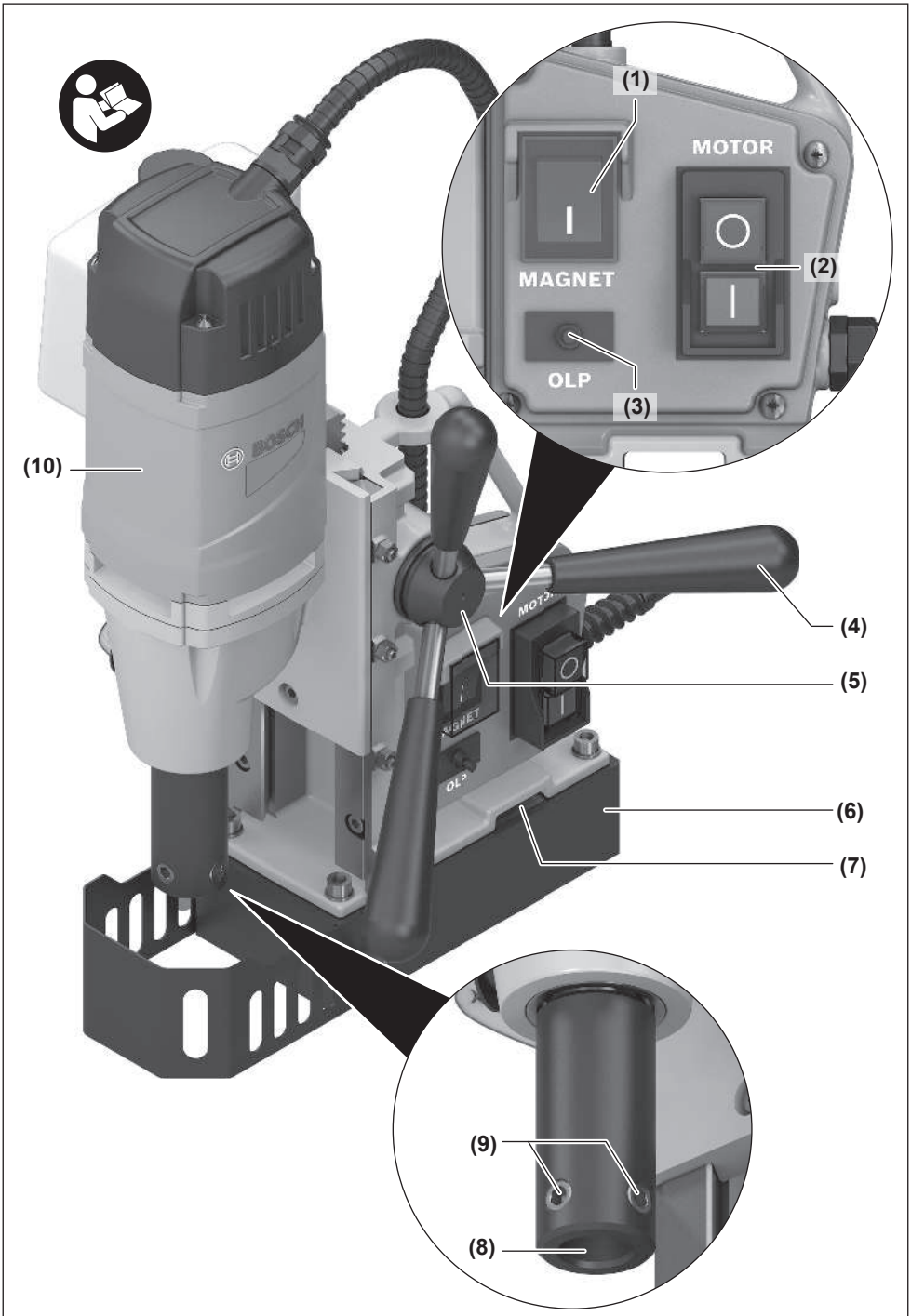
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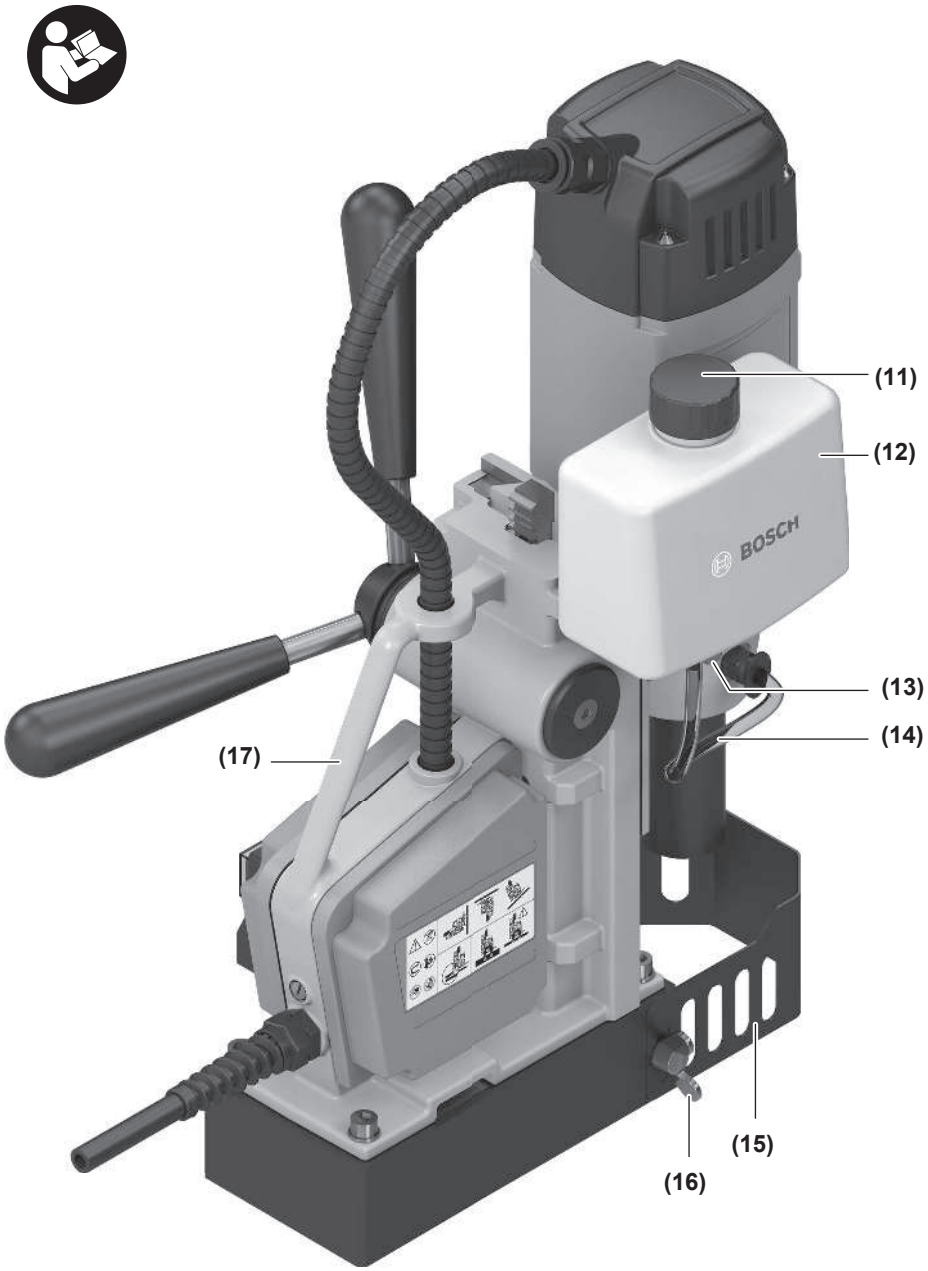
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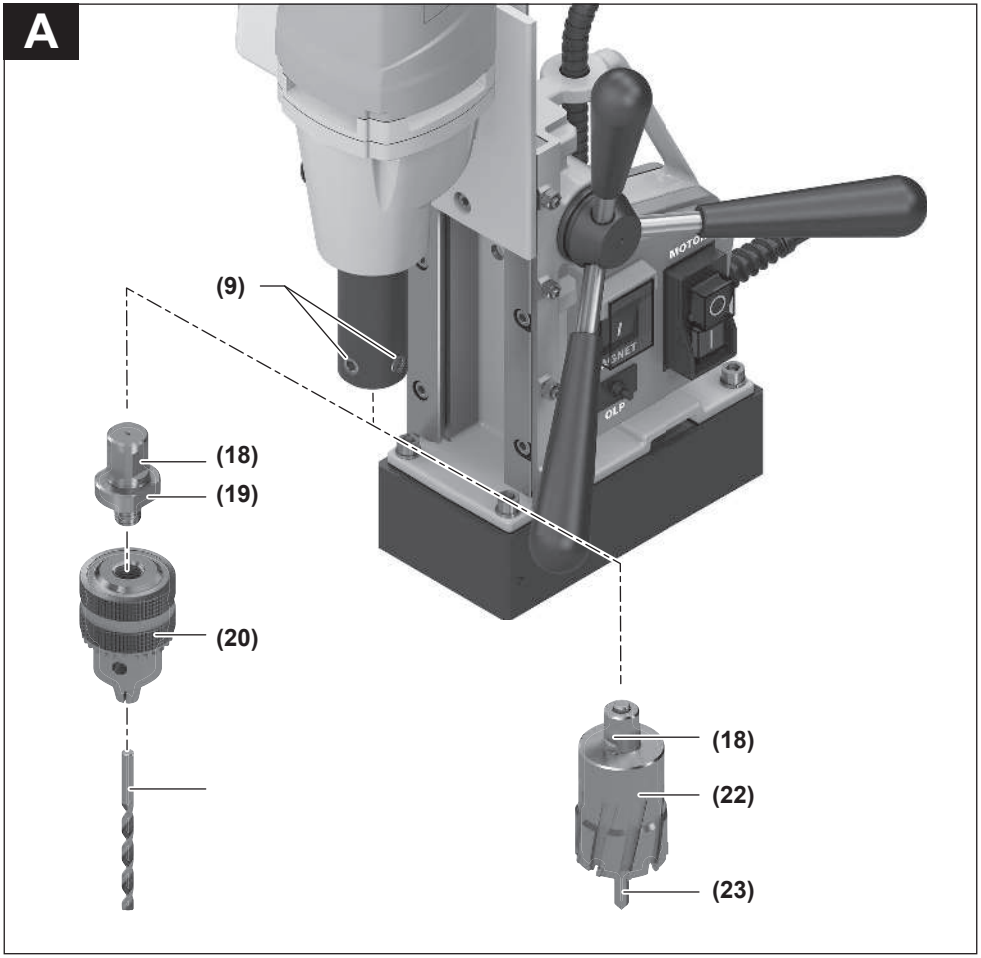
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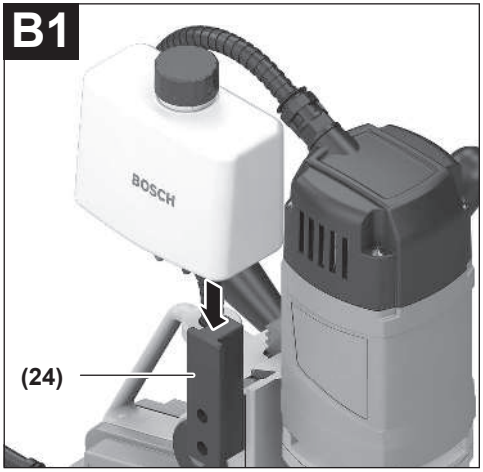
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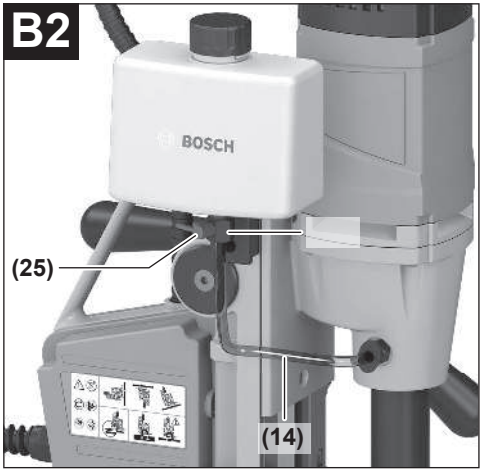
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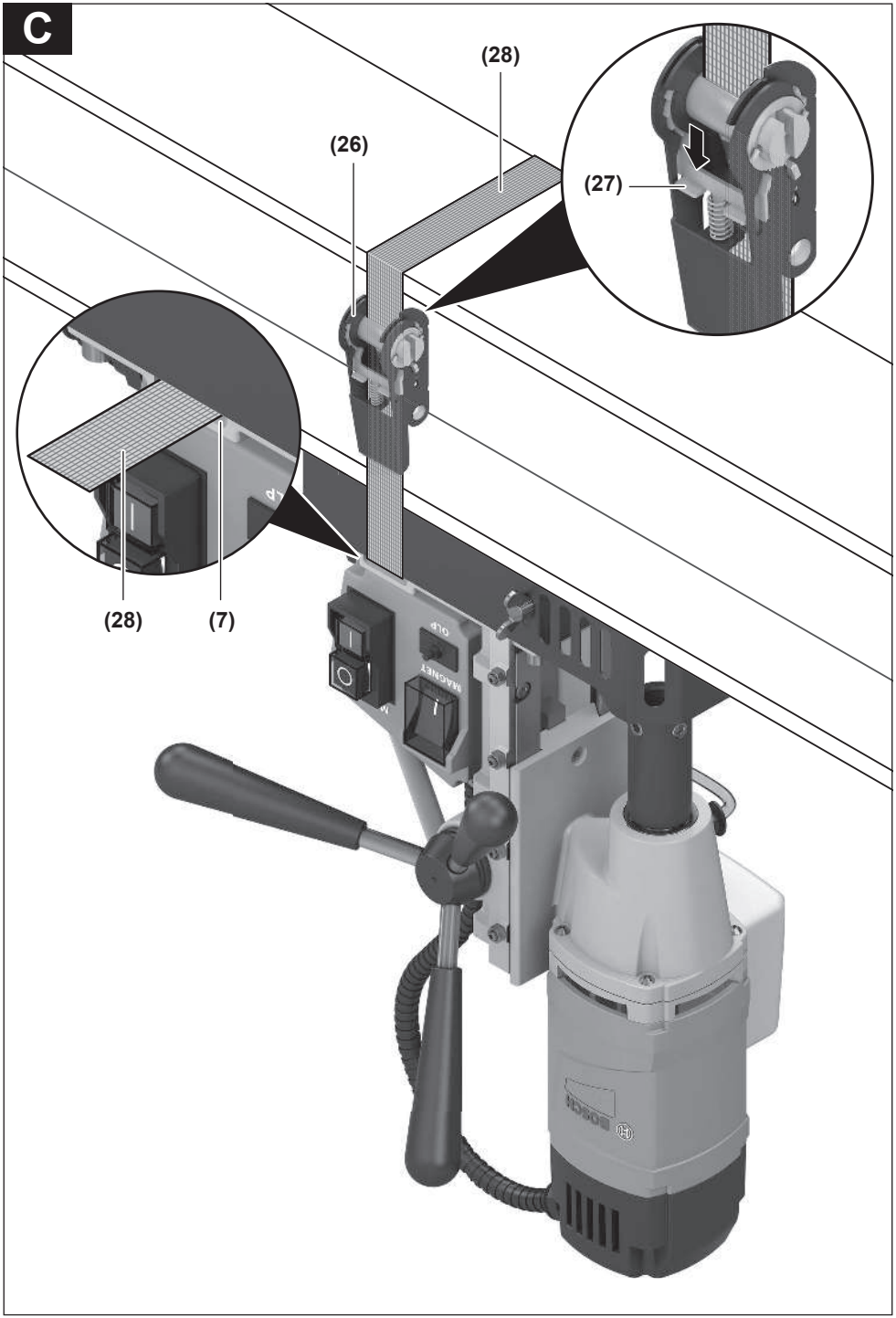
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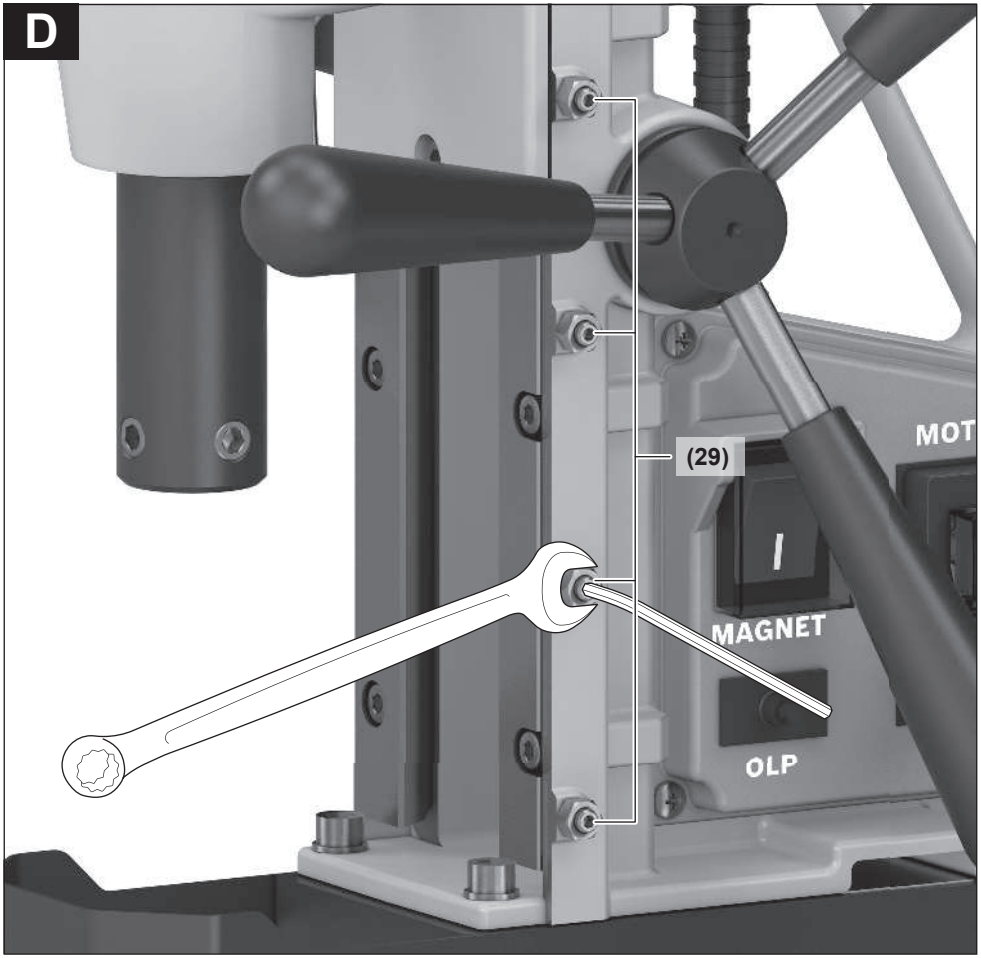
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Safety Instructions

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 inattention while operating power tools may result in serious personal injury.
- **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
- **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

Power tool use and care

- **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- **Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.

- ▶ **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- ▶ **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
- ▶ **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

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.

Safety instructions for magnetic drills

- ▶ **Do not use this tool if you or any bystanders have a cardiac pacemaker or other medical implants.** Cardiac pacemakers and other medical implants may malfunction due to magnetic fields emitted by the tool, which may result in personal injury.
- ▶ **Always check the safety strap for wear or damage before each use.** A worn or damaged safety strap may fail unexpectedly during use and may result in personal injury.
- ▶ **Only attach the magnetic drill to ferrous metal.** The magnetic base will not secure properly to non-ferrous metals, such as non-magnetic grades of stainless steel.
- ▶ **Clean the surface before attaching the drill stand to the work surface.** Paint, rust or scale decrease the holding strength of the magnet. Chips, burrs, dirt and other foreign matter on the surface of the magnetic base will also decrease holding power.
- ▶ **Always secure the magnetic base on a smooth, flat work surface.** If the workpiece is uneven and not smooth or flat, the magnetic base may release from the workpiece, causing unexpected movement of the tool or workpiece and personal injury.
- ▶ **Use clamps or other practical ways to secure and support the workpiece to a stable platform.** It is important to support the workpiece properly to minimise body exposure, binding, or loss of control.
- ▶ **Always use the safety strap provided or recommended to secure the tool to the workpiece before turning on the drill motor.** The magnetic base may release from the workpiece, causing unexpected movement of the tool or workpiece and personal injury.
- ▶ **Always activate the magnetic base and make sure it is securely attached to the workpiece before turning on the drill motor.** Failure to secure the magnetic base to the workpiece may cause unexpected movement of the tool or workpiece and personal injury.
- ▶ **Always ensure the workpiece is in a fixed or stable position.** Unexpected movement of the workpiece may result in personal injury.
- ▶ **Make sure you are in a stable position and able to control the tool while releasing the tool from the workpiece.** A loss of control upon releasing the tool from the workpiece may result in personal injury.
- ▶ **Keep your hands out of the drilling area while the tool is running.** Contact with rotating parts or chips may result in personal injury.
- ▶ **Make sure the bit is rotating before feeding into the workpiece.** Otherwise the accessory may become jammed in the workpiece causing unexpected movement of the workpiece and personal injury.
- ▶ **Do not use excessive feed force while drilling.** Use of excessive feed force may cause the magnetic base to release from the workpiece, causing unexpected movement of the tool or workpiece and personal injury.
- ▶ **Avoid generating long chips by regularly interrupting downward pressure.** Sharp metal chips may cause entanglement and personal injuries.
- ▶ **Never remove chips from the drilling area while the tool is running. To remove chips, move the bit away from the workpiece, switch off the drill motor and wait for the bit to stop moving. Use tools such as a brush or hook to remove chips.** Contact with rotating parts or chips may result in personal injury.
- ▶ **When performing drilling that requires the use of cutting fluid, route the cutting fluid away from the operator's work area or use a liquid collection device.** Such precautionary measures keep the operator's work area dry and reduce the risk of electric shock.
- ▶ **When the bit is jammed, stop applying downward pressure and turn off the tool.** Investigate and take corrective actions to eliminate the cause of bit jamming.
- ▶ **When restarting a drill in the workpiece, check that the bit rotates freely before starting.** If the bit is bound it may not start, may overload the tool, or may cause the drill stand release from the workpiece.
- ▶ **Do not deactivate the magnetic base until the tool is turned off and the bit has come to a complete stop.** Premature deactivation of the magnetic base may cause unexpected movement of the tool or workpiece and personal injury.
- ▶ **Operate power tool by insulated grasping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.** Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- ▶ **When drilling through walls or ceilings, ensure to protect persons and the work area on the other side.** The bit may extend through the hole or the core may fall out on the other side.
- ▶ **The coolant tank may not be used when drilling into vertical or sloped surfaces, or drilling overhead.**

Please use foam coolant. Take care that no water penetrates the tool. If water penetrates the power tool there is an increased risk of an electric shock.

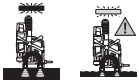
- ▶ **Do not wear gloves.** Gloves may be entangled by the rotating parts or chips leading to personal injury.
- ▶ **Accessories with speed ratings must be rated at least equal to the maximum speed marked on the power tool.** Accessories running faster than their rated speed can break and fly apart.
- ▶ **Use suitable 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.
- ▶ **Never operate the power tool without the portable residual current device (PRCD) included in delivery.**
- ▶ **Before beginning work, check that the portable residual current device (PRCD) is functioning properly. Have any damaged portable residual current devices (PRCDs) repaired or replaced by a Bosch after-sales service centre.**
- ▶ **Wear non-skid shoes.** This prevents injuries that can occur from slipping on smooth surfaces.
- ▶ **Never leave the tool unattended before it has come to a complete stop.** Drilling tools that are still running can cause injuries.
- ▶ **Keep the drill cord away from the work area.** Damaged or entangled cords increase the risk of electric shock.
- ▶ **Do not overload the power tool or climb or stand on it.** Overloading or standing on the power tool can raise its centre of gravity, causing it to tip over.
- ▶ **A mains operated power tool must only be operated on a mains supply with protective conductor and adequate dimensioning.**
- ▶ **When using the power tool for overhead applications, two persons are always required.**
- ▶ **Danger of the power tool falling down due to sudden pendular motion of the power tool.** When working on a scaffold, the power tool can be subject to a sudden pendular motion when the drill starts or in case of a power failure. Secure the power tool with the provided safety strap. Secure yourself against falling down by applying a safety rope/belt.
- ▶ **Keep the work surface clean, including the workpiece.** Sharp-edged drilling chips and other objects may cause injury. Material mixtures are particularly hazardous. Light metal dust may catch fire or explode.
- ▶ **Do not touch the application tool after working before it has cooled.** The application tool becomes very hot while working.
- ▶ **Do not touch the drill core that will be automatically ejected through the guide pin once the work process has ended.** The drill core can become very hot.
- ▶ **Metal chips are often very sharp and hot. Never touch them with bare hands.** Clean up with a magnetic chip collector and a chip hook or other appropriate tool.
- ▶ **Check the cable regularly and have a damaged cable repaired only by an authorised customer service agent for Bosch power tools. Replace damaged extension cables.** This will ensure that the safety of the power tool is maintained.
- ▶ **Never use the power tool if the cable is damaged. Do not touch the damaged cable and pull out the mains plug if the cable is damaged while working.** Damaged cables increase the risk of an electric shock.
- ▶ **The retention of the magnets depends on the thickness of the workpiece.** They hold best on low-carbon steel with a thickness of at least 20 mm. When drilling into thinner steel, an additional steel plate (of at least 100 x 200 x 20 mm) must be placed under the magnetic base. Ensure that the steel plate cannot fall off.
- ▶ **Other units used on the same receptacle will cause uneven voltage that could lead to the magnet releasing.** Always use the power tool alone on the receptacle.
- ▶ **Avoid operating annular cutters without coolant fluid.** Always check coolant level before operating.
- ▶ **Protect the motor.** Never allow coolant fluid, water, or other contaminants enter the motor.
- ▶ **Never attempt to use the power tool with incorrect current or abnormally low voltage.** Check the nameplate of the power tool to ensure that correct voltage and frequency are used.
- ▶ **Store the power tool safely when it is not in use. The storage location must be dry and lockable.** This prevents the power tool from storage damage, and from being operated by untrained persons.
- ▶ **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.

Keep the magnet away from implants and other medical devices, e.g. pacemakers or insulin pumps. The magnet generates a field that can impair the function of implants and medical devices.

- ▶ **Keep the power tool away from magnetic data carriers and magnetically sensitive equipment.** The effect of the magnet can lead to irreversible data loss.

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	
	**WARNING!** The tool must not be operated outside in wet weather.
	**WARNING!** Ensure that the safety strap is working properly before you use it. Never use a safety strap if it is damaged. Instead, replace it immediately.
	**Persons with pacemakers or other medical implants must not use this power tool.**
	**Carrying metal parts or wearing watches is prohibited.** The magnet generates a field that can impair the function of implants and medical devices.
	**WARNING!** When drilling into vertical or diagonal surfaces or overhead, the power tool must be secured with the safety strap.
	**WARNING!** Do not hold your hand underneath the application tool or the accessories when you are changing these.
	**WARNING!** Before drilling, ensure that the magnet strength is sufficient. The surface of the workpiece must be level, clean and sufficiently thick.
	**Maximum drilling diameter** with annular cutter: 38 mm
	Maximum drilling diameter with twist drill bit: 13 mm

Product Description and Specifications

Read all the safety and general instructions. Failure to observe the safety information and follow 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 suitable for drilling in magnetisable materials (e.g. steel).

The power tool can be used horizontally, vertically and overhead. Ensure that the workpiece clamping surface is level, is at least equal to the footprint of the power tool and consists of clean, magnetisable material at least **12** mm thick.

Product Features

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

- **(1)** Magnet on/off switch
- **(2)** Motor on/off switch
- **(3)** Thermal fuse (**OLP**)
- **(4)** Crank handle (3 x)
- **(5)** Crank hub
- **(6)** Magnetic base
- **(7)** Holder for safety strap
- **(8)** Tool holder
- **(9)** Grub screws
- **(10)** Drive unit
- **(11)** Coolant tank screw cover
- **(12)** Coolant tank
- **(13)** Connector for cooling system
- **(14)** Coolant hose
- **(15)** Chip protective grille
- **(16)** Protective grille wing bolt
- **(17)** Carrying handle
- **(18)** Clamping surface
- **(19)** Adapter (Weldon open 1/2" UNF)
- **(20)** Keyed chuck (up to dia. 13 mm)[a)]
- **(21)** Twist drill bit with cylindrical shank[a)]
- **(22)** Annular cutter[a)]
- **(23)** Pilot pin
- **(24)** Coolant tank holder
- **(25)** Coolant valve
- **(26)** Ratchet
- **(27)** Pawl on ratchet
- **(28)** Safety strap
- **(29)** Set screws for gap adjustment

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

Technical Data

Magnetic drill		GBM38
Article number		**3 601 AC5 0..**
Rated power input	W	1050
No-load speed	min^{-1}	820
Rated speed	min^{-1}	450
Max. drilling diameter		
– Annular cutter	mm	38
– Twist drill bit	mm	13

Magnetic drill		GBM38
Tool holder		Weldon 19 mm (3/4")
Magnet retention force	kN	10
Max. drill stroke	mm	117
Magnetic base dimensions (width x depth)	mm	160 x 80
Weight[A)]	kg	9.8
Protection class		⏚/I

A) With annular cutter **(22)**, ejection pin **(23)** and chip protective grille **(15)**, without mains connection cable

The specifications apply to a rated voltage [U] of 230 V. These specifications may vary at different voltages and in country-specific models.

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

Noise values

Noise emission values determined according to **EN 62841-1-2015**.

Typically, the A-weighted noise level of the power tool is: Sound pressure level **87** dB(A); Sound power level **97** 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

▶ **Pull the plug out of the socket before carrying out any work on the power tool.**

Fitting the crank handle

– Screw the three crank handles **(4)** tightly into the crank hub **(5)**.

Changing the Tool (see figure A)

– Turn the drive unit **(10)** all the way up using the crank handle **(4)**.
– Ensure that the application tools are free of grease.

Fitting Application Tools with Weldon Mount

– **Annular cutters**: Insert the pilot pin **(23)** into the annular cutter **(22)** (TCT and HSS annular cutters require different diameters of pilot pin).
– Insert the application tool fully into the tool holder **(8)**.
– Align the side clamping surfaces **(18)** with the grub screws **(9)**.
– Tighten the grub screws using a hex key (**5** mm).

Fitting the Twist Drill Bit with Cylindrical Shank

– Fully insert the adapter **(19)** into the tool holder **(8)**.
– Align the side clamping surfaces **(18)** with the grub screws **(9)**.
– Tighten the grub screws using a hex key (**5** mm).
– Screw the adapter **(19)** into the keyed chuck **(20)**.
– Open the keyed chuck **(20)** by turning it until the twist drill bit **(21)** can be inserted. Insert the twist drill bit.
– Insert the chuck key into the corresponding holes of the keyed chuck and clamp the twist drill bit evenly.

Removing the Application Tool

– Undo the grub screws **(9)** and remove the application tool from the tool holder **(8)**.

Fitting and Filling the Coolant Supply System (see figures B1B2)

▶ **The coolant system must only be used when drilling with the annular cutter.**

▶ **The coolant supply system must not be used when drilling into vertical or sloped surfaces, or drilling overhead.** In this case, manually supply the coolant (e.g. using a spray bottle).

– Insert the coolant tank **(12)** onto the holder **(24)**.
– Connect the connectors **(13)** to the coolant house **(14)** .

The coolant tank **(12)** must be filled with coolant before drilling.

– Close the coolant valve **(25)**.
– Unscrew the screw cover **(11)** of the coolant tank and fill the coolant tank **(12)** with coolant.
– Screw the screw cover **(11)** back onto the coolant tank.
– Open the coolant valve **(25)** fully before switching on the power tool.

Installing the Chip Protective Grille

The chip protective grille **(15)** protects against sharp-edged chips.

– Place the chip protective grille **(15)** onto the base plate **(6)** and tighten it firmly using both wing nuts **(16)** and the washers.

Operation

Wear ear defenders and eye protection when using the power tool.

Work preparation

Correctly positioning the power tool

– Position the power tool on the workpiece and align it.
– Press the **I** button of the magnet on/off switch **(1)** and check that the power tool adheres to the surface of the workpiece.
– Use the safety strap **(28)** to secure the power tool if necessary.

Fitting the Safety Strap (see figure C)

▶ **Whenever you are working overhead or on diagonal or vertical surfaces, secure the power tool with the supplied safety strap to prevent it from falling over.**
▶ **Check that the safety strap is working properly before you use it. Never use a safety strap that is damaged; instead, replace it immediately.**
– Attach the safety strap **(28)** to the power tool so that it is as free of play as possible.
– Push the safety strap through the holder **(7)** and place it around the workpiece.
– Tighten the safety strap using the ratchet **(26)**.
– To loosen the safety strap, press the pawl **(27)** on the ratchet and pull out the safety strap.
– Attach the safety strap so that the power tool will move away from you if it slips.

Adjusting the height of the drive unit

▶ **Do not adjust the height of the drive unit during operation.**

The height of the drive unit **(10)** can be adjusted depending on the length of the application tool and the size of the workpiece.

– Use the crank handle **(4)** to adjust the height of the drive unit **(10)** to correspond to the application tool that is in use.

Starting Operation

▶ **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.
▶ **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.

Switching On

– Position and secure the power tool.
– To **switch on** the power tool, press the **I** button of the motor on/off switch **(2)**.

Note: The power tool can only be switched on once the magnet has already been activated.

Switching Off

– To **switch off** the power tool, press the **O** button of the motor on/off switch **(2)**.
– Wait until the power tool has come to a complete stop.
– Push the magnet on/off switch **(1)** downwards to switch off the magnet.

Restart protection

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

– To **restart** the power tool, press the **I** button of the motor on/off switch **(2)**.

Overload protection

The power tool is equipped with an overload protection system. In normal conditions of use, the power tool cannot be overloaded. In the event of overloading, the thermal fuse **(3)** shuts off the power tool. The magnet will remain active.

Carry out the following steps before you continue working with the power tool:

– Eliminate any blockages that may be present.
– Press the thermal fuse **(3)**.
– To start the power tool again after this, press the **I** button of the motor on/off switch **(2)**.
– Allow the power tool to run with no load for approx. one minute; afterwards, it will be ready for use again.

The power tool is also equipped with a fuse . If the power tool can no longer be switched on, the fuse must be replaced by **Bosch** or an authorised **Bosch** after-sales service centre for power tools.

Working Advice

Workpiece Properties

▶ **The magnet retention force of the power tool essentially depends on the thickness of the workpiece. The greatest magnet retention force is achieved using soft steel with a thickness of at least 12 mm.**

Note: When drilling into thinner steel, an additional steel plate (of at least 100 x 200 x 20 mm) must be placed under the workpiece. Ensure that the steel plate cannot fall off.

General Advice

▶ **Secure the power tool with a safety strap when working overhead or on non-horizontal surfaces.** In the event of a power failure or overload, the magnet retention force is not maintained. The power tool may fall over and cause accidents.

- ▶ **If the application tool jams, do not apply any more feed; instead, switch off the tool.** Investigate the reason for the application tool jamming and eliminate the cause.
- ▶ **Always check all parts of the coolant supply system before beginning work.** Never use damaged parts.
- ▶ **Keep the coolant away from tool parts and people in the working area.**

The surface of the workpiece must be smooth and clean. Smooth out coarse irregularities, e.g. welding spatter, and remove loose rust, dirt and grease. The retention force of the magnet only applies for suitable surfaces.

- – Use a drill emulsion or cutting oil for cooling and lubrication in order to prevent the drill bit from overheating or jamming.
  The supplied coolant supply system must only be used when drilling with the annular cutter.
- – Workpieces should be centre-punched before being drilled.
- – Twist drill bit: For drilling diameters > 10 mm, pre-drill with a small drilling diameter. This allows you to reduce the contact pressure and puts less strain on the power tool.
- – When drilling, only use sharpened annular cutters (brand accessories) that are in perfect condition.
- – Switch off the magnets when you are not using the power tool (push the magnet on/off switch **(1)** downwards).

Drilling

- – Align the power tool on the workpiece.
- – Switch the magnet on to fix the power tool to the workpiece (magnet on/off switch **(1)**).
- – Secure the power tool with the safety strap **(28)** when drilling into vertical or sloped surfaces, or working overhead.
- – Switch the power tool on (motor on/off switch **(2)**).
- – To drill, turn the crank handle **(4)** with uniform feed until the required drilling depth is reached.
- – Once the required drilling depth has been reached, retract the crank handle until the drive unit has returned to its initial position.
- – Switch off the power tool, loosen the safety strap if necessary and switch off the magnet.

Working with the Annular Cutter

- – Only use annular cutters that are free of defects; ensure that these are in perfect condition before each use. Do not use any annular cutters that are damaged.
- – Switch the power tool off immediately if the annular cutter gets stuck.
- – Protect the annular cutter. The tip of the annular cutter is hard yet fragile.

The following measures will help to slow down the wear and prevent breakage of annular cutters:

- – When drilling in steel, ensure that there is enough coolant available; use coolant for metal cutting.
- – Make sure that the workpiece is level and clean to guarantee the required magnet strength.
- – Before drilling, ensure that all parts are properly attached.
- – At the start and end of the drilling procedure, reduce the contact pressure by a third.
- – Remove large quantities of metal chips when drilling in materials such as cast iron, copper die casting, etc. with compressed air.

Transport

- – Check that all application tools are firmly connected with the power tool and that the drill core is no longer situated in the application tool.
- – Wind up the network cable completely and tie it together.
- – Use the carrying handle **(17)** to lift and transport the power tool.
  Never use the crank handle **(4)** or the mains cable.

Maintenance and Service

Maintenance and Cleaning

- ▶ **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.**

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.

Adjusting the Guide Rail Gap (see figure D)

If the power tool vibrates strongly when drilling or a gap is visible on the guide rail, the width of the guide rail gap must be adjusted. This prevents application tools from being snapped off and avoids damage to the power tool.

For this, you will need a hex key (**2.5** mm) and a ring spanner or open-ended spanner (**8** mm).

- – Pull the mains plugs out of the plug socket, remove application tools and the coolant supply system and place the power tool down on a firm, level and horizontal surface.
- – Turn the drive unit **(10)** all the way down using the crank handle **(4)**.
- – Hold the set screws **(29)** with the hex key and loosen all 4 nuts with the ring spanner or open-ended spanner.
- – Tighten the 3 lower screws **(29)** using the hex key. Turn the drive unit **(10)** with the crank handle **(4)** from bottom to top and back again. The feed force should be even – not too loose, not too tight.
- – Turn the drive unit **(10)** all the way up using the crank handle **(4)**.
- – Tighten the top screw **(29)** using the hex key. Turn the drive unit **(10)** with the crank handle **(4)** from top to bottom and back again. The feed force should be even – not too loose, not too tight.
- – Hold the set screws **(29)** with the hex key and tighten all 4 nuts with the ring spanner or open-ended spanner.

After-Sales Service and Application Service

https://www.bosch-pt.com/serviceaddresses

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

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.

Manufacturer's warranty

https://www.bosch-pt.com/guarantee/202601

Product Data Information according to regulation (EU) 2023/2854

Connected products or related services generate data during their use. The following sections inform about the generated data related to the product and how the product data can be accessed.

Type of Product Data

The product may generate the following type of data during its use. The actual generated data depends on the particular usage of the product.

- Operating time
- Battery information
- Component temperatures
- Activation of functions
- Failure and service events
- Application information

Product Data Logging

Information about collection of product data and data storage:

- Less than 1 kB of product data is logged.
- The product is capable to store product data on-device while the product is powered on.

Data Access and Data Format

Information how data can be accessed or retrieved by the user:

- Within the EU the user can request the product data via Bosch Power Tools service (email: **PT-Service.EU-DataAct@de.bosch.com**), if the user sends the device to a Bosch service, and/or
- If the product provides a wireless interface the user can get direct access to the product data via the corresponding Bosch Power Tools mobile application.
- The data is provided in a commonly used and machine-readable format (e.g., JSON).

Servicekontakte
Service Contacts
Contacts de Service
Contactos de Servicio
Контакты сервисных центров

https://www.bosch-pt.com/serviceaddresses

Garantiebedingungen
Guarantee Conditions
Conditions de Garantie
Condiciones de Garantía
Условия гарантии

https://www.bosch-pt.com/guarantee/202601