



ORIGINAL INSTRUCTIONS
Hammer Drill

RPD800



Important!

It is essential that you read the instructions in this manual before assembling, operating, and maintaining the product.

Subject to technical modification.



Safety, performance, and dependability have been given top priority in the design of your hammer drill.

INTENDED USE

The percussion drill / driver is intended to be used only by adults who have read and understood the instructions and warnings in this manual, and can be considered responsible for their actions.

The product is intended for drilling into various materials, including wood, metal, and plastics using a drill bit having a shank diameter of less than 13 mm. When fitted with a suitable screwdriver bit, it can be used for inserting and removing screws. It can also be used in impact drilling mode for drilling masonry and similar materials.

Do not use the product for any other purpose. Use of the product for operations different from intended could result in a hazardous situation.

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 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.

DRILL AND SCREWDRIVER SAFETY WARNINGS

SAFETY INSTRUCTIONS FOR ALL OPERATIONS

- **Wear ear protectors when impact drilling.** Exposure to noise can cause hearing loss.
- **Use the auxiliary handle(s).** Loss of control can cause personal injury.
- **Brace the tool properly before use.** This tool produces a high output torque and without properly bracing the tool during operation, loss of control may

occur resulting in personal injury.

- **Hold the power tool by insulated gripping surfaces, when performing an operation where the cutting accessory or fastener may contact hidden wiring or its own cord.** Cutting accessory or fastener contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

SAFETY INSTRUCTIONS WHEN USING LONG DRILL BITS

- **Never operate at higher speed than the maximum speed rating of the drill bit.** At higher speeds, the bit is likely to bend if allowed to rotate freely without contacting the workpiece, resulting in personal injury.
- **Always start drilling at low speed and with the bit tip in contact with the workpiece.** At higher speeds, the bit is likely to bend if allowed to rotate freely without contacting the workpiece, resulting in personal injury.
- **Apply pressure only in direct line with the bit and do not apply excessive pressure.** Bits can bend causing breakage or loss of control, resulting in personal injury.

ADDITIONAL SAFETY WARNINGS

- **Clamp workpiece with a clamping device.** Unclamped workpieces can cause severe injury and damage.
- Wear safety goggles to protect your eyes from flying particles and splinters.
- When working on walls, ceilings, or floors, avoid hitting electrical wiring and gas or water pipes.
- The product will restart automatically if stalled. Switch off the product immediately if it stalls. Do not switch on the product again while it is still stalled, as doing so could trigger a sudden recoil with a high reactive force. Determine why the product stalled and rectify this, paying heed to the safety instructions.
- We recommend the use of a residual current device with a residual current rating of 30 mA or less.

RESIDUAL RISKS

Even when the product is used as prescribed, it is still impossible to completely eliminate certain residual risk factors. The following hazards may arise and the operator should pay special attention to avoid the following:

- Risk of electrocution if electric cables are drilled into
 - Always grasp the tool by designated handles, do not touch the drill bits.
- Damage to the respiratory system
 - Wear respiratory protection masks containing filters appropriate to the materials being worked. Ensure adequate workplace ventilation. Do not eat, drink or smoke in the work area.



- Damage to hearing
 - Always wear effective hearing protection and limit exposure to noise.
- Damage to eyes from flying dust and debris particles
 - Always wear suitable eye protection.
- Injury caused by vibration
 - Hold the tool by designated handles and limit exposure to vibration. See “RISK REDUCTION”.
- Injury caused by dust
 - Dust created by operating the product can cause respiratory injury. Wear appropriate dust control mask with filters suitable for protecting against particles from the material being worked on.

RISK REDUCTION

It has been reported that vibrations from handheld tools may contribute to a condition called Raynaud’s Syndrome in certain individuals. Symptoms may include tingling, numbness and blanching of the fingers, usually apparent upon exposure to cold. Hereditary factors, exposure to cold and dampness, diet, smoking, and work practices are all thought to contribute to the development of these symptoms. There are measures that can be taken by the operator to possibly reduce the effects of vibration:

- Keep your body warm in cold weather. When operating the product, wear gloves to keep the hands and wrists warm. It is reported that cold weather is a major factor contributing to Raynaud’s Syndrome.
- After each period of operation, exercise to increase blood circulation.
- Take frequent work breaks. Limit the amount of exposure per day.

If you experience any of the symptoms of this condition, immediately discontinue use and see your doctor about these symptoms.

⚠ WARNING

Injuries may be caused or aggravated by prolonged use of a tool. When using any tool for prolonged periods, ensure you take regular breaks.

MAINTENANCE

⚠ WARNING

The product should never be connected to a power supply when assembling parts, making adjustments, cleaning, performing maintenance, or when the product is not in use. Disconnecting the product from the power supply will prevent accidental starting that could cause serious injury.

⚠ WARNING

When servicing, use only original manufacturer’s replacement parts, accessories and attachments. Use of any other parts may create a hazard or cause product damage.

⚠ WARNING

Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

- Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, carbon dust, etc.
- Electrical tools used on fiberglass material, wallboard, spackling compounds, or plaster are subject to accelerated wear and possible premature failure because the fiberglass chips and grindings are highly abrasive to bearings, brushes, commutators, etc. We do not recommend using the product for extended work on these types of materials.

⚠ WARNING

Always wear safety goggles or safety glasses with side shields during power tool operation or when blowing dust. If operation is dusty, also wear a dust mask.

- If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.
- For greater safety and reliability, all repairs should be performed by an authorised service centre.

LUBRICATION

All of the bearings in the product are lubricated with a sufficient amount of high grade lubricant for the life span of the product under normal operating conditions. Therefore, no further lubrication is required.

ENVIRONMENTAL PROTECTION



Recycle raw materials instead of disposing of as waste. The machine, accessories, and packaging should be sorted for environment-friendly recycling.

SYMBOLS ON THE PRODUCT




Safety alert



Volts



- Hz Hertz
- ~ Alternating current
- W Watts
- n₀ No-load speed
- min⁻¹ Revolutions or reciprocations per minute

 Class II tool, double insulation


 Wood


 Metal


 Masonry

 Chuck Capacity

 Impact

 Regulatory Compliance Mark (RCM). Product meets applicable regulatory requirements.

 Please read the instructions carefully before starting the machine.

 Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

 Speed, maximum

 Torque, maximum

 Torque, minimum

 Note

 Lock

 Unlock

The following signal words and meanings are intended to explain the levels of risk associated with the product:


⚠ DANGER
Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.


⚠ WARNING
Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.


⚠ CAUTION
Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.

CAUTION
(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

SYMBOLS IN THIS MANUAL

 Connect to the power supply.

 Disconnect from the power supply.

 Parts or accessories sold separately

 Masonry

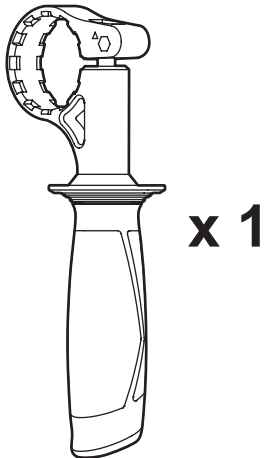
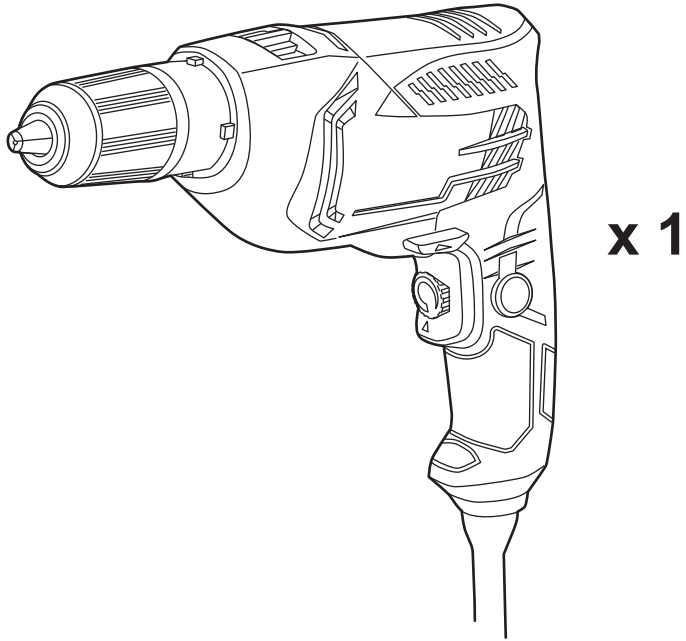
 Metal

 Wood

 Speed, minimum



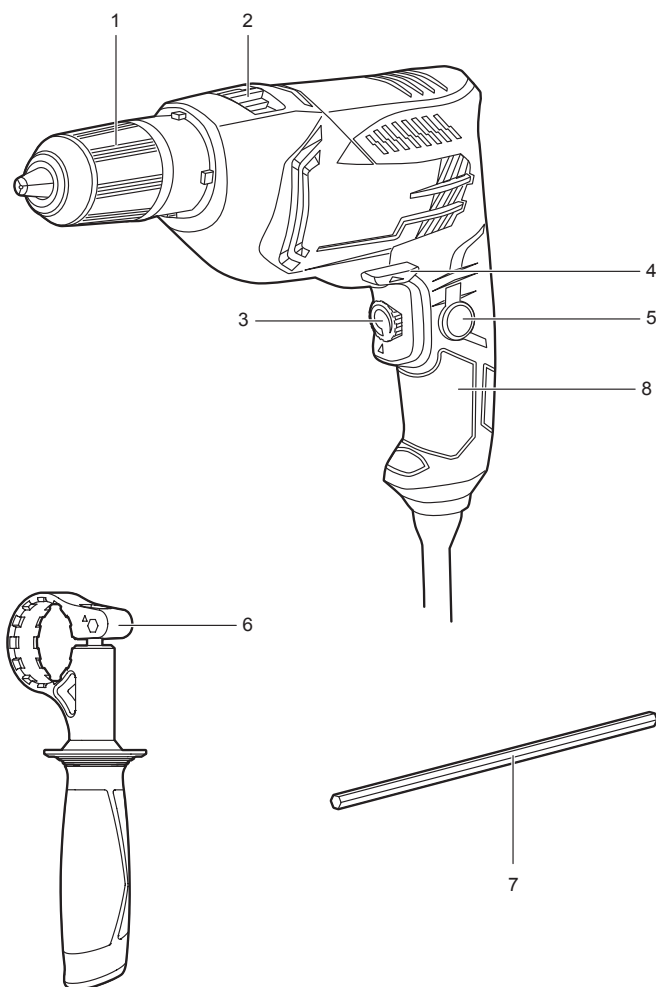
Unpacking





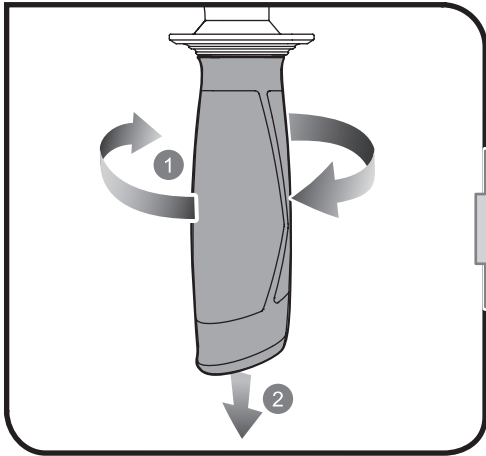
Know your product

1. Keyless chuck
2. Drill/impact shift knob
3. Variable speed selector
4. Forward/ reverse button
5. Lock-on button
6. Auxiliary handle
7. Depth gauge
8. Handle, insulated gripping surface

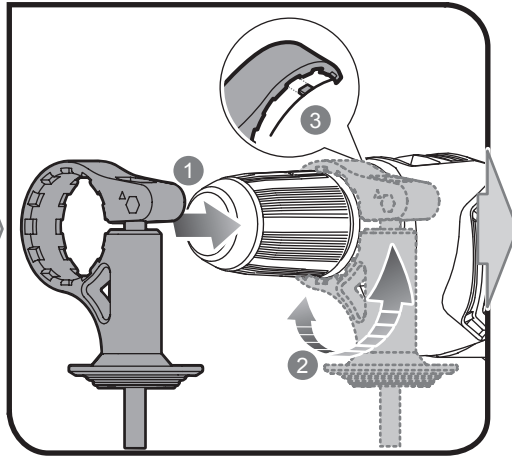


Getting started

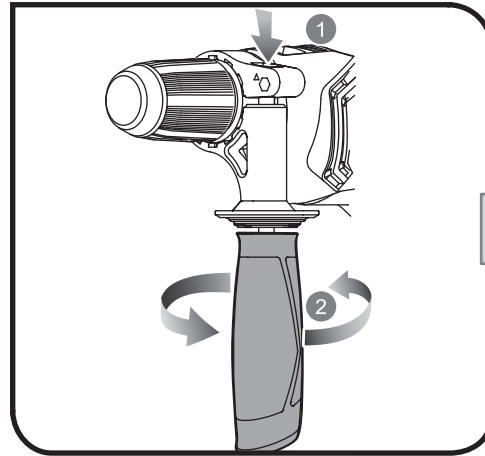
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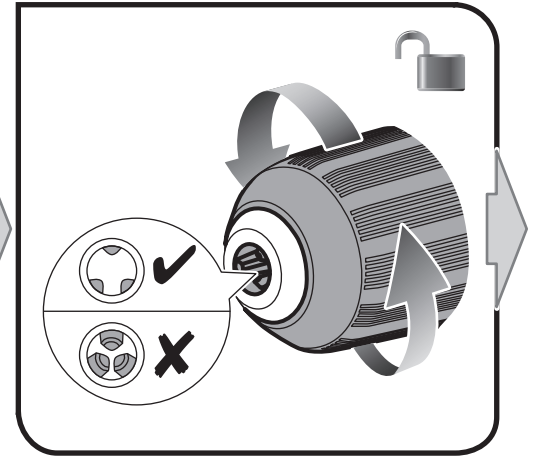
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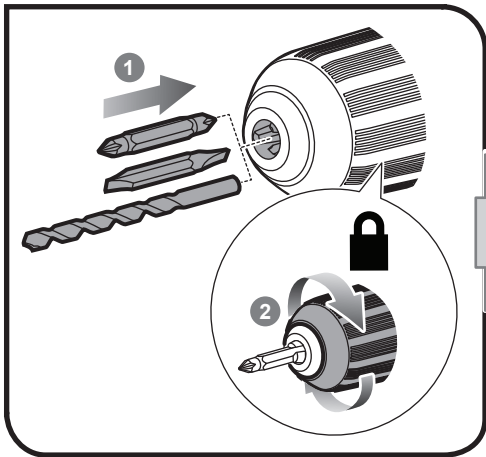
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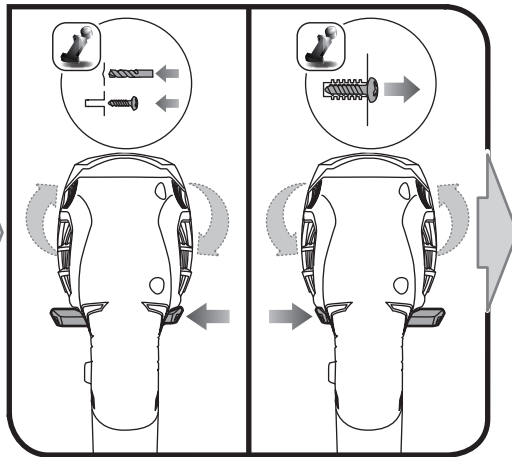
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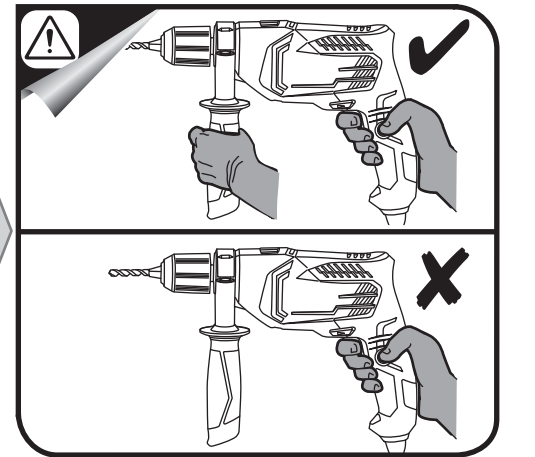
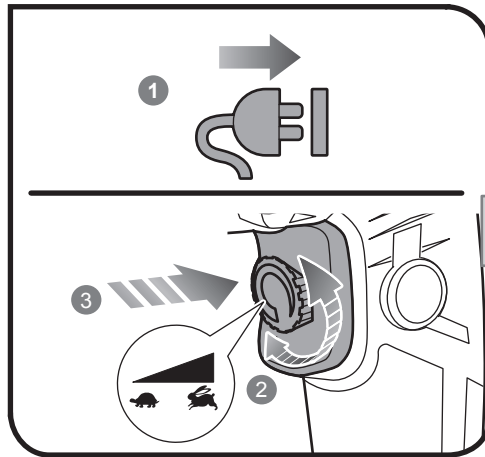
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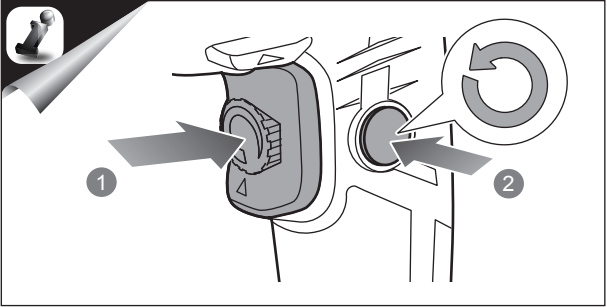
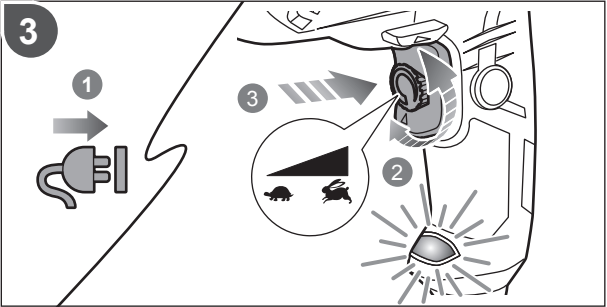
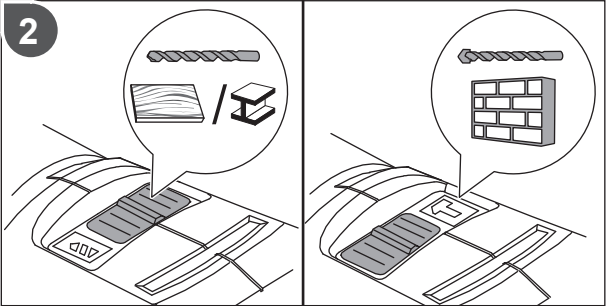
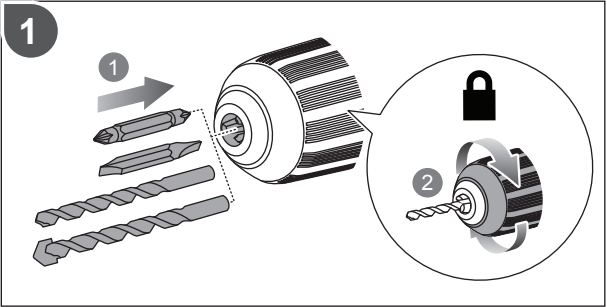
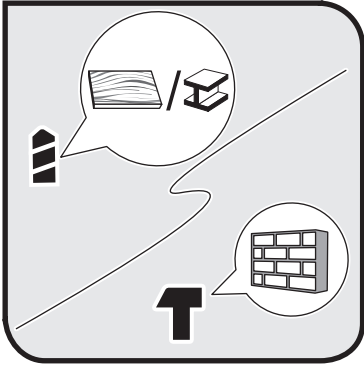
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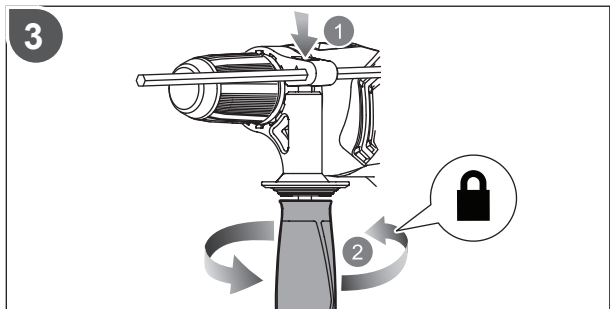
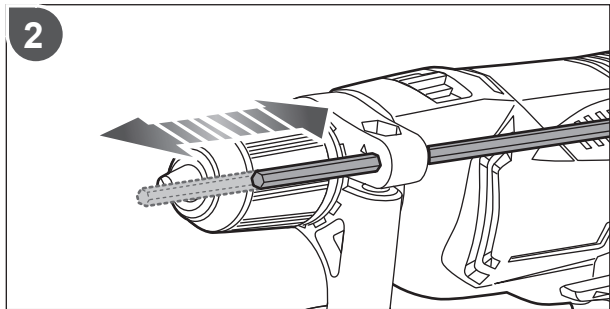
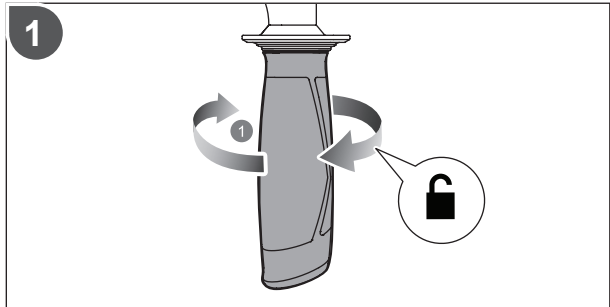
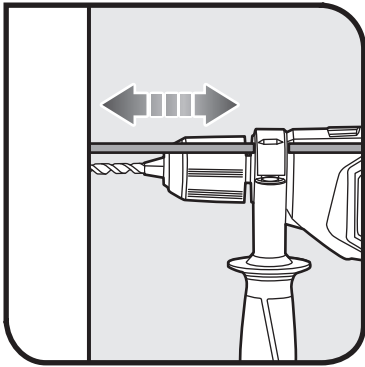








Operation



PRODUCT SPECIFICATIONS

Hammer drill

Model	RPD800
Voltage	220 - 240 V ~ 50 Hz
Input	800 W
No-load speed	0 - 3,000 min ⁻¹
Blows per minute (Impact rate)	0 - 51,000 min ⁻¹
Chuck capacity	13 mm

Drilling capacity

in wood	34 mm
in metal	13 mm
in masonry	16 mm

Weight (According to EPTA procedure 01/2014)	1.8 kg
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Measured sound values determined according to EN 62841:

A-weighted sound pressure level	$L_{pA} = 95.0$ dB
Uncertainty K	5.0 dB (A)
A-weighted sound power level	$L_{WA} = 106.0$ dB
Uncertainty K	5.0 dB (A)

Wear ear protectors.

The vibration total values (triaxial vector sum) determined according to EN 62841:

Impact drilling into concrete	$a_{h, ID} = 16.2$ m/s ²
Uncertainty K	1.5 m/s ²
Drilling into metal	$a_{h, D} = 5.2$ m/s ²
Uncertainty K	1.5 m/s ²
Screwdriving without impact	$a_i \leq 2.5$ m/s ²
Uncertainty K	1.5 m/s ²

VIBRATION LEVEL



WARNING

The vibration emission level given in this information sheet has been measured in accordance with a standardised test given in EN 62841 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure. The declared vibration emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ. This may significantly increase the exposure level over the total working period.

An estimation of the level of exposure to vibration should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period. Identify additional safety measures to protect the operator from the effects of vibration such as: maintain the tool and the accessories, keep the hands warm, organisation of work patterns.







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