Cordless Hammer Drill

Gebruikershandleiding

KIBANI®
immer das Beste

Lees deze handleiding voor je eigen veiligheid voordat je de kettingzaag in gebruik neemt.
Bewaar deze handleiding voor toekomstig gebruik.

1. APPLICATION

This rotary hammer drill is intended for hammer drilling in concrete, brick and stone. It is also suitable for screw driving, and drilling without impact in wood, metal, ceramic and plastic.

WARNING! Please read and understand this instruction manual before use and keep it for your future reference. Your power tool should only be passed on together with this instruction manual.

2. PARTS DESCRIPTION

Fig. A

1. SDS+ Accessory Holder
2. Locking Sleeve
3. Function Selector
4. LED Worklight
5. Front Handle
6. Rear Handle
7. Variable Speed trigger
8. Forward/Reverse Lever

3. PACKAGE CONTENT LIST

1 x Rotary Hammer Drill

1 x Instruction Manual

- Remove all packing materials
- Ensure all parts on the contents list are present
- Check the appliance, and all accessories for transportation damages

WARNING! Packaging material are not toys! Children must not play with plastic bags! Danger of suffocation!

4. SYMBOLS

The following symbols are used in this manual and/or on the rotary hammer drill.

	Denotes risk of personal injury or damage to the tool		Read instruction manual before use
	Australian Regulatory Compliance mark		Dispose appliances according to the regulation and requirement of local council
	Wear protective glasses		Wear ear protector
	Wear breathing protection		

9. TROUBLESHOOTING

Problem	Possible causes	Possible solutions
Cannot start	Battery pack not installed properly.	Remove and insert the battery pack again.
	Battery not charged.	Charge the battery.
	Internal damage or wear e.g. motor is damaged.	Repair by an authorized service centre.
Can only run slowly	Battery is not charged.	Charge the battery.
	Battery wears out.	Replace the battery with a new one.
Sparking visible through the housing air vents	A small amount of sparking may be visible through the housing vents.	This is normal and does not indicate a problem.
Overheat	Ventilation vents blocked.	Clean the dust from the ventilation vents.
	The rotary hammer is running for too long.	Turn off the drill and let it cools down.

10. TECHNICAL DATA

Model	DPRH1871
Battery	18V/2000mAh
No Load Speed	0-900min
Impact Frequency	0-5000bpm
Impact Energy	1.1J

5. GENERAL POWER TOOL SAFETY WARNINGS

WARNING! Read all safety warnings and all instructions. Failure to following the warnings and instructions may result in an 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.

5.1 Work area safety

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

5.2 Electrical safety

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

5.3 Personal safety

a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious personal injury.*

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

c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.*

d) **Remove any adjusting key or wrench before turning the power tool on.** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*

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

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

g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards.*

5.4 Power tool use and care

a) **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*

b) **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*

c) **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*

d) **Store idle power tools out of reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power.** *Power tools are dangerous in the hands of untrained users.*

7. CLEANING, MAINTENANCE AND STORAGE

WARNING: Remove the battery from the rotary hammer drill before cleaning, maintenance and storage.

7.1 Cleaning

a) Regularly clean the rotary hammer drill's housing with a soft cloth, preferably after each use. If the dirt does not come off, use a soft cloth moistened with soapy water.

b) Never use solvents such as petrol, alcohol, ammonia water etc. These solvents may damage the plastic parts.

7.2 Maintenance

a) This rotary hammer drill has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper care and regular cleaning.

b) Your rotary hammer drill should only be repaired by an authorised service centre. There are no serviceable parts that can be repaired by the user.

7.3 Storage

a) Thoroughly clean your rotary hammer drill and its accessories before storage.

b) Store the rotary hammer drill and its accessories out of the reach of children in a stable and secure place.

8. DISPOSAL

Dispose appliances according to the regulations and requirements of your local council. If appliances are disposed in landfills or dumps, hazardous substances may leak into the ground water and get into the food chain, damaging your health and well-being.

a) Select the direction of rotation by pushing the forward/reverse lever (8) to the left or right. When the forward/reverse lever (8) is in the middle, the variable speed trigger (7) is locked.
b) Turn on the rotary hammer drill by depressing the variable speed trigger (7), increasing the pressure on the variable speed trigger (7) will increase the speed of the rotary hammer drill. Decreasing the pressure on the variable speed trigger (7) will decrease the speed of the rotary hammer drill.
c) The LED worklight (4) will be on when the variable speed trigger (7) is depressed.
d) Turn off the rotary hammer drill by releasing the variable speed trigger (7).

c) **Immediately switch the rotary hammer drill off if the tool being used jams.** *The high reaction torques could trigger kickback and result in serious injury.*
d) **Secure the workpiece.** *A workpiece held in place with clamping fixtures or in a vice is more secure than if held by your hand.*
e) **Keep your workplace clean.** *Mixtures of materials are particularly dangerous. Light metal dust or chips could catch fire.*
f) **Wait until the rotary hammer drill has come to a full stop before putting it down.**
g) **Wear ear protectors.** *Exposure to noise can cause hearing loss.*
h) **Use auxiliary handle(s), if supplied with the tool.** *Loss of control can cause personal injury.*
i) **Hold power tool by insulated gripping 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.*

5.8 Residual risk

Even if you use the rotary hammer drill properly and follow all safety notes, there are always residual risks. The following risks may occur:

- *Lung injury if a suitable dust mask is not worn.*
- *Hearing loss if suitable ear protection is not worn.*
- *Eye injury caused by flying materials or parts if no suitable eye protection is worn.*
- *Injury to health attributed to hand-arm vibrations if the rotary hammer drill is used for a prolonged period of time.*
- *Risk of injury if long hair, loose-fitting clothing or jewellery get caught by rotating parts of the rotary hammer drill.*

Reduce residual risks by using the rotary hammer drill with care and following all safety notes as well as other instructions.

6. OPERATION

6.1 Insert and remove the battery pack (sold separately)

WARNING: Before inserting or removing the battery pack, make sure the rotary hammer drill is switched off.

a) To insert the battery pack, align the battery pack with the rotary hammer drill's base and slide the battery pack into the rotary hammer drill, so that the battery pack is locked in position.
b) To remove the battery pack, press the battery's release button and pull the battery pack off at the same time.

6.2 Inserting and removing SDS Plus drill bits and keyless chuck

WARNING! Ensure the rotary hammer drill's variable speed trigger is released and has come to a complete stop before inserting and removing SDS Plus drill bits and keyless chuck.

a) Pull back the locking sleeve (2) and insert the SDS Plus drill bit or keyless chuck.
b) Release the locking sleeve (2).
c) Pull on the SDS Plus drill bit or keyless chuck to check if it is properly locked.
The hammering function requires the drill bit to move axially when locked in the SDS+ accessory holder (1).
e) To remove the SDS Plug drill bit or keyless chuck, push the locking sleeve (2) backward and pull the SDS Plus drill bit or keyless chuck out.

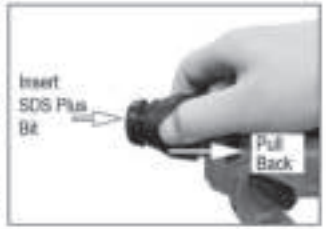

Fig. 1

6.3 Choosing an operation mode:

WARNING! Ensure the rotary hammer drill's variable speed trigger is released and has come to a complete stop before changing the operation mode.

WARNING! Always move the selector to its end position. Do not operate the rotary hammer drill when the function selector is in its end position.

a) Hammer Drill
Rotate the function selector to the hammer and drill icon. This setting is recommended for use when drilling holes in concrete and other masonry material. The hammer action will be in operation while drilling.


Fig. 2

b) Drilling
Rotate the function selector to the drill icon. This setting is recommended for use when drilling timber, metal, ceramic and plastic material.


Fig. 3

6.4 Turning the rotary hammer drill on or off

WARNING! Ensure the rotary hammer drill's variable speed trigger is released and has come to a complete stop before changing the rotation direction.

WARNING! Do not stare directly at the LED worklight's light beam. Never aim the beam at any person or animal other than the workpiece.