

GAZELLE[®]

GH2210

Hammer Drill
User Manual



EN

Read through carefully and understand these instructions before use.

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 personal injury.

Save all warnings and instructions for future reference.

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

1) Work area safety

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

2) Electrical Safety

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges 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.

3) Personal safety

- a) **Stay alert, watch what you are doing and use**

common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.

- b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a 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 and clothing 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.
- h) **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.

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

in the hands of untrained users.

- e) **Maintain power tools 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.*
- f) **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
- g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** *Use of the power tool for operations different from those intended could result in a hazardous situation.*
- h) **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.*

5) Service

- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the power tool is maintained.*

Hammer safety warnings

- a) **Wear ear protectors.** *Exposure to noise can cause hearing loss.*
- b) **Use auxiliary handle(s), if supplied with the tool.** *Loss of control can cause personal injury.*
- c) **Hold power tools by insulated gripping surfaces, when performing an operation where the cutting tool 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.*

UK power plug warnings:

Your product is fitted with an BS 1363-1 approved electric plug with internal fuse approved to BS 1362. If the plug is not suitable for your socket, it should be removed and an appropriate plug should be fitted in its place by an authorized 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.

Symbol



WARNING



Wear ear protection



To reduce the risk of injury, user must read instruction manual



Class II tool

Technical Data

Model		GH2210
Rated Power Input	W	800
Rated Impacting Frequency	/min	0-4000
No-Load Speed	/min	0-1200
Max. Drilling Capacity	Concrete mm	Ø26
	Wood mm	Ø30
	Steel mm	Ø13
Net Weight	kg	2.93

● Due to the continuing program of research and development, the specifications herein are subject to change without prior notice.

INSTRUCTIONS FOR OPERATION

Setting Operating Mode

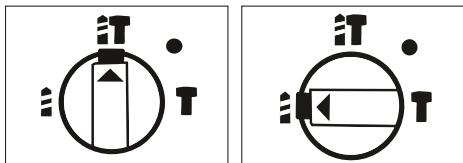
Caution:

- Always be sure that the tool is switched OFF before changing the operating mode, or the gears inside the tool may be damaged.
- If the drill bit gets stuck by the steel hidden in the wall during impact drilling, and the tool rotates due to the kickback, hold the handle and auxiliary handle firmly to avoid personal injuries.

The Operating mode can be changed by turning the operating mode selector.

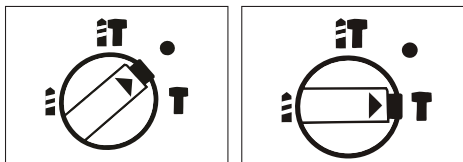
Drilling Operation

When impact drilling on the concrete or stone, turn the selector to the position as shown in the figure. When normally drilling on the wood, metal, ceramics or plastic, turn the selector to the position as shown in the figure.



Demolition Operation

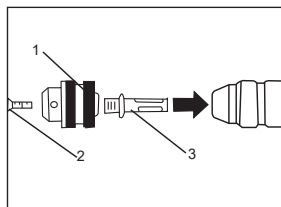
When the position of chisel needs adjusting during operation, turn the selector to the position as shown in the figure to avoid gears from meshing and then adjust the chisel.



After adjusting the chisel, turn the selector to the position as shown in the figure to restart demolition operation.

Installing SDS-plus Hammer Drill Bit

SDS-plus hammer drill bit can be used when drilling on the steel, wood or plastic. Screw the drill chuck in the connecting rod and tighten the lock screw. Then insert the connecting rod into the collect in the same way as installing SDS-plus hammer drill bit. SDS-plus hammer drill bit and drill chuck are optional accessories.



1. Drill Chuck
2. Lock Screw
3. Connecting Rod

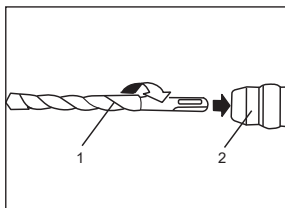
Installing /Removing Drill Bit

CAUTION:

- Always be sure that the tool is switched OFF and unplugged before installing or removing the drill bit.
- The SDS-plus drill bit will be off-center when rotating with no-load, but it will align with the center automatically during operation and its precision won't be affected.

Clean the bit shank and smear it with bit grease before installation.

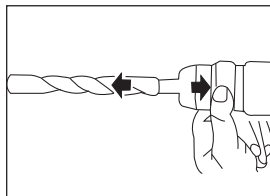
To install the drill bit (SDS-plus shank), fully pull back the slide grip and insert the drill bit as far as it will go while rotating.



1. Drill Bit
2. Slide Grip

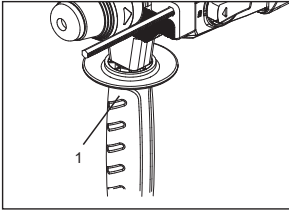
By releasing the slide grip, the drill bit will be secured automatically.

To remove the SDS-plus drill bit, fully pull back and hold the slide grip and the drill bit can be removed.

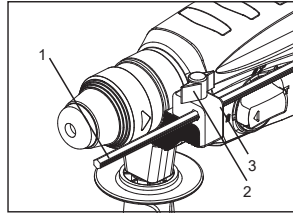


Auxiliary Handle

Always use the auxiliary handle ensure operating safety. Loosen the auxiliary handle by turning it counterclockwise, swing it to the desired position and then tighten it by turning clockwise.



1. Auxiliary Handle



1. Depth Gauge
2. Clip Board
3. Wing Bolt

Move the depth gauge to the desired depth and secure it by rotating the auxiliary handle clockwise.

Switch Action

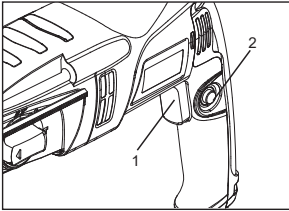
CAUTION:

- Before plugging in the tool, always check to see that the trigger switch actuates properly and returns to the "OFF" position when released.

To start the tool, simply pull the switch trigger.

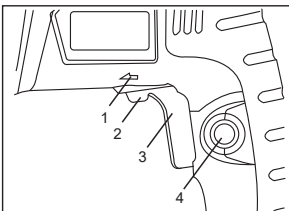
Release the switch trigger to stop.

For continuous operation, pull the switch trigger and then push in the lock lever. To stop the tool from the locked position, pull the switch trigger fully, and then release it. The rotating speed of the tool becomes faster and faster until it reaches the full speed during the process of pressing the switch.



1. Trigger Switch
2. Lock Button

The switch of **GH2210** is with positive and negative going motion, which can be used to change the tool's direction of rotation. You can only change it when the tool completely stops rotating, otherwise the tool will be damaged. **Set the direction of rotation for hammer drilling, drilling and chiseling always to right rotation.**



1. Corotation Arrow
2. Switch Lever
3. Switch Button
4. Lock Button

Depth Gauge

CAUTION:

- The depth gauge cannot be used at the position where the depth gauge strikes against the tool body. The depth gauge enables the drilling depth to be set for convenient drilling holes of uniform depth.

Loosen the auxiliary handle, and insert the linear part of the depth gauge into the fitting hole of the clip board.

MAINTENANCE AND INSPECTION

CAUTION:

- Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

1. Inspecting Drill Bits

Blunt drill bit or chisel will decrease the work efficiency and causes the motor be overloaded. Exchange or sharpen your drill bits when they become blunt.

2. Inspecting the Mounting Screws

Regularly inspect all mounting screws and ensure that they are properly tightened. Should any of the screws be loose, retighten them immediately. Failure to do so could result in serious hazard.

3. Maintenance of the Motor

The motor unit winding is the very "heart" of the power tool. Exercise due care to ensure the winding does not become damaged and /or wet with oil or water.

4. Inspecting and Replacing Carbon Brushes

Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes. Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes insert the new ones and secure the brush holder caps

5. Replacing Dust Cap

Replace the dust cap once it is damaged to avoid chippings from getting into the collet. Clean the collet regularly.

※ Damaged cord must be replaced by a special cord purchased from authorized service center.

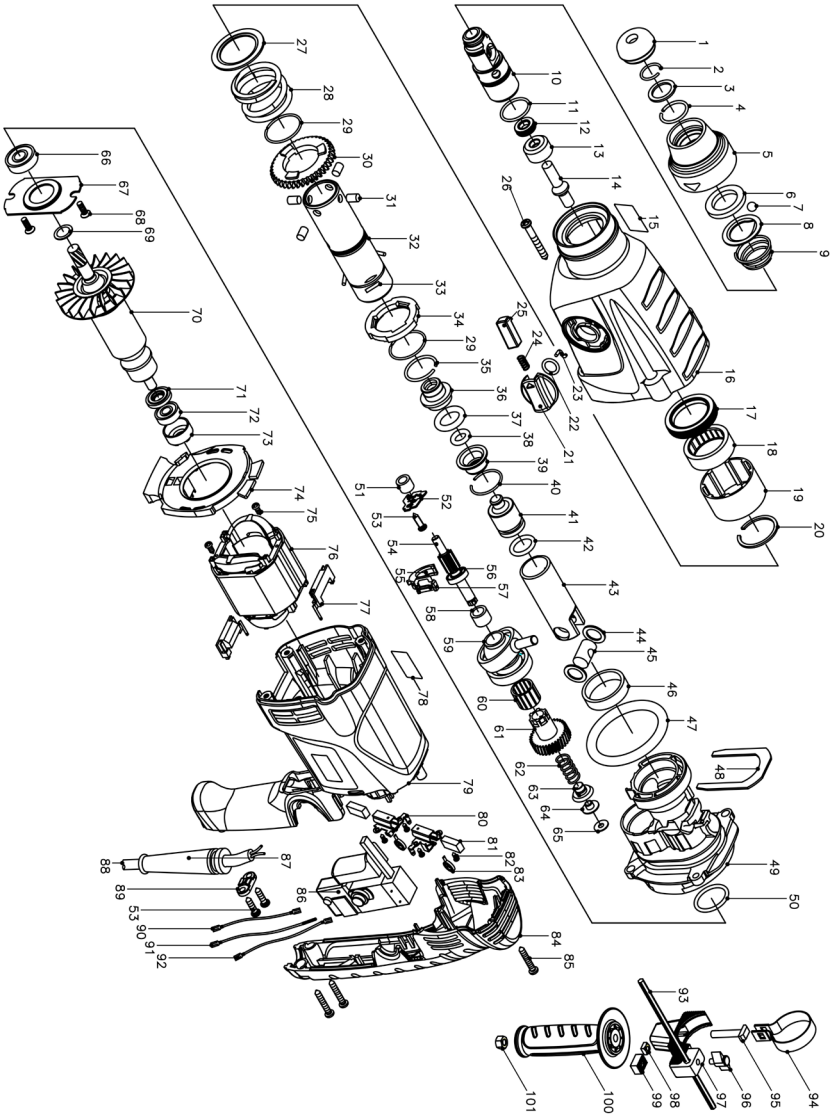
※ To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by authorized centers, always using original replacement parts.

EXPLANATION OF GENERAL VIEW

1	Dust Cap	34	Clutch Plate
2	Roundwire Snap Ring for Shaft	35	Retaining Ring for Hole
3	Washer	36	Guide Sleeve
4	Roundwire Snap Ring	37	Damping Washer
5	Locking Sleeve	38	O Ring
6	Clamping Ring	39	Adaptor Sleeve
7	Steel Ball	40	Roundwire Snap Ring for Hole
8	Clip Board	41	Striker
9	Compression Spring	42	O Ring
10	Retainer Sleeve	43	Piston
11	O Ring	44	Washer
12	Seal Ring	45	Piston Pin
13	Thrust Ring	46	Shaft Sleeve
14	Impact Bolt	47	Seal Ring
15	Label	48	Metal Sheet for Support
16	Gear Housing	49	Gear Housing Cover
17	Seal Ring	50	O Ring
18	Needle Bearing	51	Needle Bearing
19	Needle Bearing Cover	52	Metal Sheet for Fix
20	Clamping Ring	53	Pan Head Tapping Screw
21	Operating Mode Selector	54	Gear Shaft
22	O Ring	55	Retainer
23	Selector Lever	56	Ball Bearing
24	Spring	57	Buckle
25	Slider	58	Needle Bearing
26	Pan Head Tapping Screw	59	Pendulum Bearing
27	Washer	60	Needle Bearing
28	Clutch Spring	61	Gear
29	Roundwire Snap Ring for Shaft	62	Spring
30	Clutch Gear	63	Pressing Block
31	Lock Pin	64	Bush
32	Cylinder	65	Rubber Pad
33	Pin	66	Deep Groove Ball Bearing

EXPLANATION OF GENERAL VIEW

67	Bearing Retainer	100	Auxiliary Handle
68	Cross Recessed Countersunk Head Screw	101	Nut
69	Washer		
70	Armature Assembly		
71	Insulation Washer		
72	Ball Bearing		
73	Rubber Sleeve		
74	Baffle Plate		
75	Pan Head Tapping Screw		
76	Stator Assembly		
77	Inductance		
78	Nameplate		
79	Motor Housing		
80	Carbon Brush Holder		
81	Carbon Brush		
82	Pan Head Tapping Screw		
83	Belleville Spring		
84	Handle Cover		
85	Pan Head Tapping Screw		
86	Trigger Switch		
87	Cord Guard		
88	Cord		
89	Strain Relief		
90	Wire		
91	Wire		
92	Wire		
93	Depth Gauge		
94	Steel Band		
95	Trapezoid Square-neck Bolt		
96	Lock Screw		
97	Steel Band Base		
98	Hex Nut		
99	Clip Board		



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