

GAZELLE®

GD1320

Electric Impact Drill
User Manual



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.

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.

Drill safety warnings

- 1) **Safety instructions for all operations**
 - a) **Wear ear protectors when impact drilling.** Exposure to noise can cause hearing loss.
 - b) **Use the auxiliary handle(s).** Loss of control can cause personal injury.
- 2) **Safety instructions when using long drill bits**
 - a) **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.

- b) **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.
- c) **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.

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



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



Always Wear eye protection



Class II tool

Technical Data

This product is a hand-held electric drill powered by single phase series motor. This product is suitable for drilling on steel, plastic, and wood or similar materials under general environmental conditions. The performance and specifications of this product are shown in the table below:

Model		GD1320
Rated Power Input	W	710
No-load Speed	/min	0-3000
Rated Impact Frequency	.../min	0-45000
Max. Drilling Capacity	Steel mm	Ø13
	Concrete mm	Ø16
	Wood mm	Ø30
Net Weight	kg	2.0

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

※Illustrations, figures and photos may vary slightly due to program of continuous product improvements, please in kind prevail.

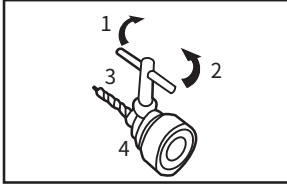
INSTRUCTIONS FOR OPERATION

● Installing or Removing Drill Bit

To install the drill bit, loosen the drill chuck and insert the drill bit in the chuck. Tighten the chuck by hand. Place the chuck key in each of the three holes and tighten clockwise. To remove the drill bit, turn the chuck key counterclockwise in just one hole, then loosen the chuck by hand.

CAUTION:

Always be sure that the tool is switched off and unplugged before installing or removing drill bit.

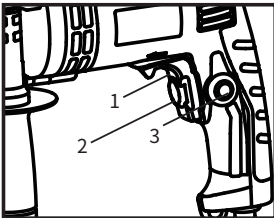


1. Tighten
2. Loosen
3. Drill Chuck Key
4. Drill Chuck

● Switch Operation

To start the tool, simply pull the switch trigger. Release the switch trigger to stop. For continuous operation, pull the trigger and then push in the lock button. To stop the tool from the locked position, pull the trigger fully then release it.

A speed control toggle is provided so that maximum tool speed can be limited (variable). Turn the toggle in "+" direction for higher speed, and in "-" direction for lower speed.



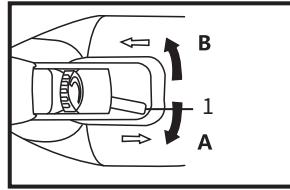
1. Switch Trigger
2. Speed Control Toggle
3. Lock Button

● Reversing Switch Action

Turn the reversing lever to "A", the tool will rotate clockwise, and turn the reversing lever to "B", the tool will rotate counterclockwise.

CAUTION:

1. Before plugging in the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.
2. Check the rotational direction of the power tool before drilling operation.
3. Change the rotational direction only when the tool comes to a complete stop. Changing it before the tool stops may damage the tool.



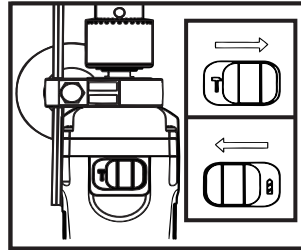
1. Reversing Switch

● Switch Between "Impact Drill" and "Drill"

The tool is equipped with change knob for running model. Turn the change knob fully to the right (T) and the drill rotates as an impact drill. Turn the change knob fully to the left (A) and the drill rotates as an ordinary electric drill.

CAUTION:

Always switch on the drill after turning the toggle fully to one of two final positions. If in the middle, the drill may be damaged.

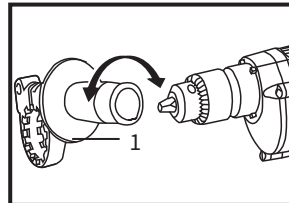


● Installing Handle

Always use the auxiliary handle to ensure operating safety. Sleeve the auxiliary handle on the neck of the gear housing and secure it at the desired position by rotating the auxiliary handle. The auxiliary handle can be rotated 360° to any side, so it can be fixed at any position.

CAUTION:

The auxiliary handle cannot be rotated 360° after installing depth gauge.



1. Handle

● Depth Gauge

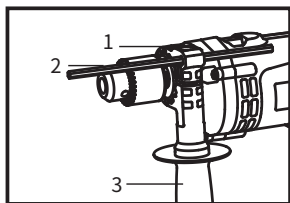
The depth gauge enables the drilling depth to be set for convenient drilling holes of uniform depth.

Loosen the auxiliary handle and insert the depth gauge, adjust it to the desired depth and secure it.

CAUTION:

Do not use depth gauge if the operating position will

cause the depth gauge to hit the machine.



- 1. Auxiliary Handle Base
- 2. Depth Gauge
- 3. Auxiliary Handle

● Impact Drilling

Always use auxiliary handle when operating the tool and hold the tool firmly with the help of auxiliary handle and switch trigger at the same time.

When drilling in granite or similar materials, turn the change knob fully to the symbol (T) and the drill rotates as an impact drill.

Position the bit at the desired location for the hole, then pull the switch trigger. Do not force the tool. Light pressure gives best results.

Do not apply more pressure when the hole becomes clogged with chips or particles. Instead, run the tool at an idle, and then remove the bit partially from the hole. By repeating this several times, the hole will be cleaned out and normal drilling may be resumed.

● Drill Operation

When drilling in wood, metal or plastic material, turn the change knob fully to the symbol (S) and the drill rotates as an ordinary electric drill. When drilling in wood, the best results are obtained with wood drills equipped with a guide screw. The guide screw makes drilling easier by pulling the bit into the workpiece.

When drilling in metal, to prevent the bit from slipping when starting a hole, make an indentation with a center-punch and hammer at the point to be drilled. Place the point of the bit in the indentation and start drilling. Use a cutting lubricant when drilling metals. The exceptions are iron and brass which should be drilled dry.

CAUTION:

1. Pressing excessively on the tool will not speed up the drilling. In fact, this excessive pressure will only serve to damage the tip of your bit, decrease the tool performance and shorten the service life of the tool.

2. There is a tremendous force exerted on the tool/bit at the time of hole break through. Hold the tool firmly and exert care when the bit begins to break through the workpiece.

3. Always secure small workpieces in a vise or similar hold-down device

MAINTENANCE AND CARE

CAUTION:

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

If the drill bit is worn, it should be replaced or re-sharpened immediately. Failure to do so can overload the motor and reduce drilling efficiency.

Should always check whether mounting screw fastening safely to avoid an accident.

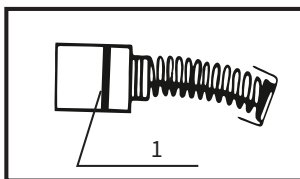
● Replace the Carbon Brushes

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.

Remove the handle cover by loosening the screws on it with a screwdriver, then remove the worn out carbon brushes and replace new ones. Reinstall the handle cover by tightening the screws at last.

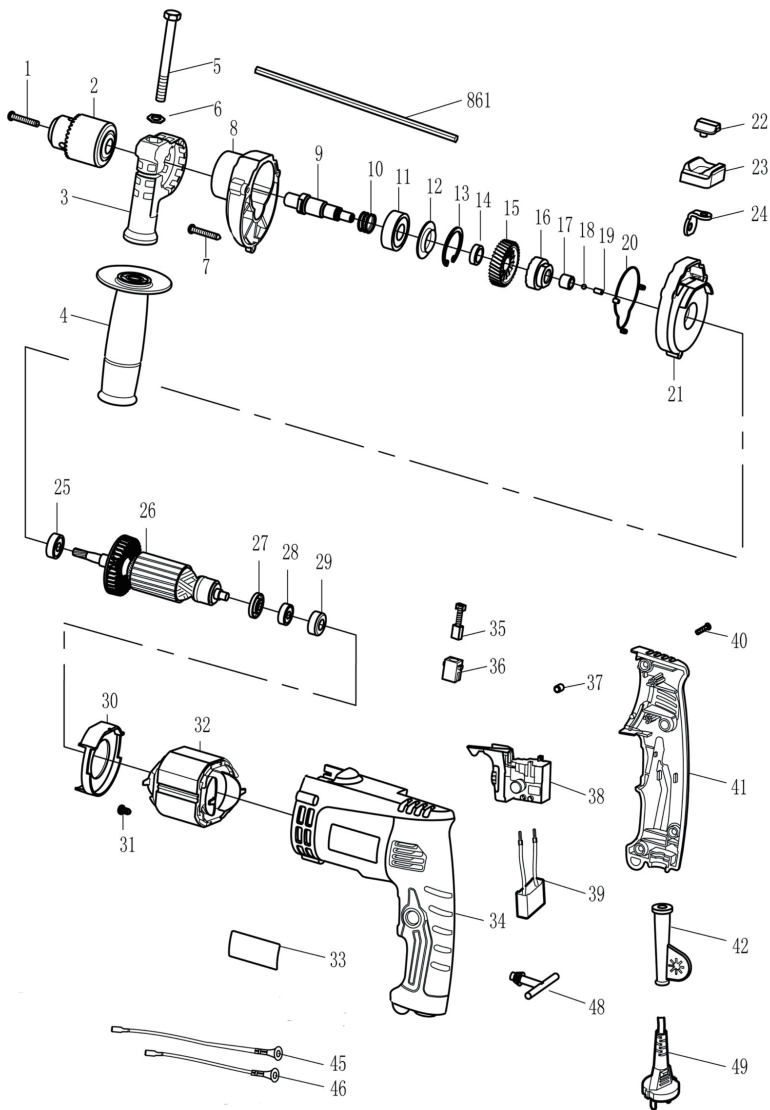


1. Limited Mark

※If the replacement of the supply cord is necessary, this has to be done by the manufacturer or his agent in order to avoid a safety hazard.

EXPLANATION OF GENERAL VIEW

1	Cross Recessed Small Pan Head Screw M5×20	25	Rolling Bearing 608VV
2	Drill Chuck 13mm	26	Armature
3	Handle Seat	27	Insulation Washer
4	Auxiliary Handle	28	Rolling Bearing 607-2RS
5	Hex. Bolt M8×110	29	Bearing Rubber Sleeve (19×21.2×8.6)
6	Washer	30	Baffle Plate
7	Cross Recessed Pan Head Tapping Screw ST4.2×30	31	Cross Recessed Pan Head Tapping Screw ST3.5×16
8	Gearbox	32	Stator
9	Drive Spindle	33	Nameplate
10	Spring	34	Motor Housing
11	Rolling Bearing 6202DD-DC01	35	Carbon Brush
12	Bearing Cover	36	Brush Holder
13	Circlip for Hole 12	37	Rubber Column (4.5×6.5)
14	Spacer Ring 18×12×6	38	Switch
15	Gear-2	39	Capacitor 0.33μF
16	Static Impact Block	40	Cross Recessed Pan Head Tapping Screw ST4.2×17
17	Needle Bearing HK0810	41	Handle Cover
18	Steel Ball 3.5	42	Cord Guard
19	Round Pin	45	Lead Wire
20	Sealing Ring	46	Lead Wire 95
21	Middle Cover	48	Chuck Handle
22	Toggle	49	Cord
23	Toggle Slot	861	Depth Gauge
24	Shift Paddle		



INNOVATION
PERFORMANCE
SAFETY
CONFIDENCE
GAZELLE

GAZELLE

sales@gazelleindustrial.com | www.gazelleindustrial.com