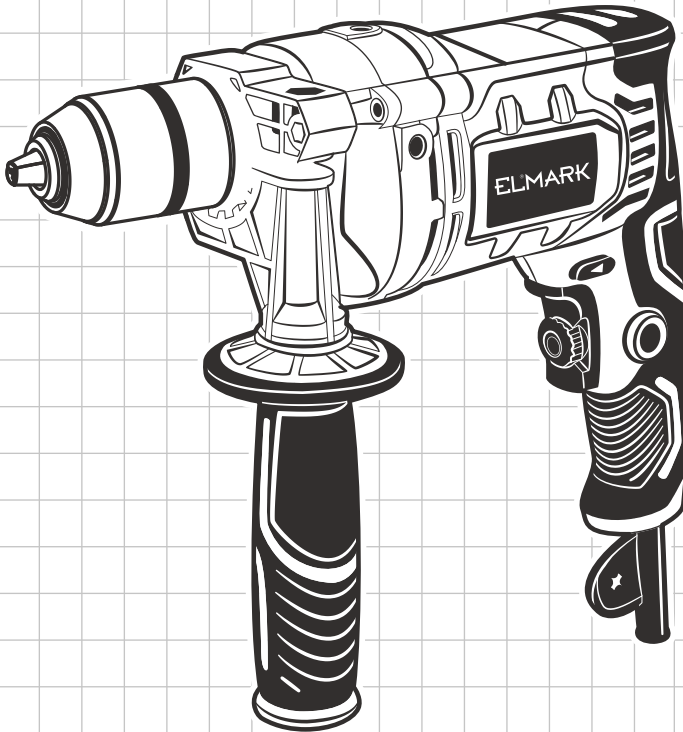


**ELMARK**  
The Brand of Electricity

## Owner's Manual & Safety Instructions

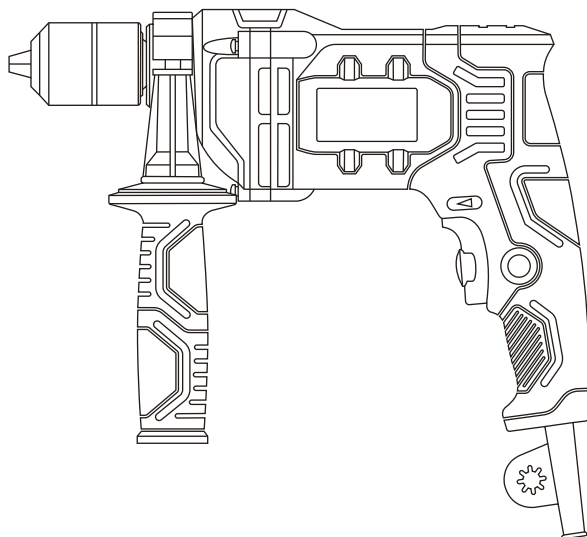
### ***IMPACT DRILL***



**⚠ WARNING**

Read this manual before using this product.  
Failure to do so can result in serious injury.  
**SAVE THIS MANUAL.**





**CATALOG**

| **59511**

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## General Power Tool Safety Warnings

**⚠ WARNING :** Read all safety warnings and instructions. Failure to follow the warnings and instructions 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 tools or battery-operated (cordless) power tools.

## 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 grounded power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- b.Avoid body contact with grounded surfaces such as pipes,radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is 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 a RCD reduces the risk of electric shock.

**NOTE** : The term residual current device (RCD) may be replaced by the term ground fault circuit interrupter (GFCI) or earth leakage circuit breaker (ELCB).

### 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 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.

### 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 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. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools 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.

### **5. Specific Safety Rules for Impact drill**

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

b.Use auxiliary handle(s), if supplied with the tool. Loss of control can cause personal injury.

c.Use appropriate 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.

d.Switch off the power tool immediately when the tool insert jams. Be prepared for high reaction torque that can cause kickback. The tool insert jams when:

- the power tool is subject to overload or
- it becomes wedged in the work-piece.

e.Hold the machine with a firm grip. High reaction torque can briefly occur while driving in and loosening screws.

f.Secure the work-piece. A work-piece clamped with clamping devices or in a vice is held more secure than by hand.

g.Always wait until the machine has come to a complete stop before placing







it down. The tool insert can jam and lead to loss of control over the power tool.  
h.The tool must be used only for its prescribed purpose. Any use other than those mentioned in this manual will be considered a case of misuse. The user and not the manufacturer shall be liable for any damage or injury resulting from such cases of misuse.

**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.

**6.SYMBOLS**

**a.Some of the following symbols may appear on this product. Study these symbols and learn their meanings. Proper interpretation of these symbols will allow for more efficient and safer operation of this product.**

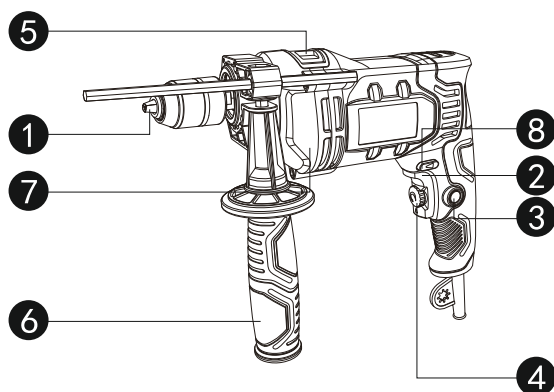
SYMBOL	DESCRIPTION
	Class II construction Double Insulated construction
	Read the manual before set-up and/or use.
	Wear safety glasses, ear protection and respiratory protection.
	Use dust mask. Dust which is injurious to health can be generated when working on wood and other materials. Never use the device to work on any materials containing asbestos.
	Do not dispose with house-hold waste.
	Conforms to relevant safety standards.

**b.Technical Specifications**

Voltage & Frequency:	220-240V/ 50Hz
Input Power:	910W

No Load Speed:	0-2800r/min
Chuck Size:	Ø13mm
Max Drilling capacity:	Steel:13mm Wood:32mm Concrete:12mm

## c.Function Description



- 1.Chuck
- 2.Trigger switch
- 3.Lock-on button
- 4.Variable speed dial
- 5.Hammer action selector
- 6.Auxiliary handle
- 7.Aluminum gear case
- 8.Forward/reverse contro

## 7.Operation

**⚠ WARNING** : Observe correct main voltage! The voltage of the power source must agree with the voltage specified on the nameplate of the machine.

### Auxiliary handle and Depth gauge

**⚠ CAUTION** : Always ensure that the drill is switched off and plug is removed from the power point before making any adjustments.

- a.Turn the handle grip anti-clockwise to loosen the collar and slip it over the chuck onto the tool.
- b.Adjust the position of the handle to suit the application.The auxiliary handle can be swiveled 360°.(See fig.2)
- c.The depth gauge helps keep an accurate depth when drilling holes to a set depth. Add the depth gauge and tighten the handle to secure them in place.(See fig.3)

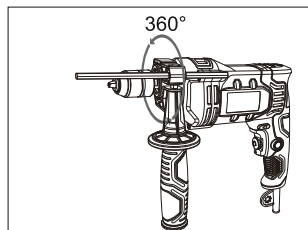


Fig.2

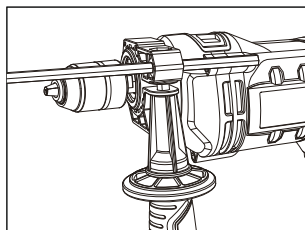


Fig.3

### Trigger Switch

1)Discontinuously operation

ON: Depress the trigger switch

OFF: Release the trigger switch

2)Continuously operation

ON: Depress the trigger switch and the lock on button

OFF: Release the trigger switch

### Adjusting the Speed

This tool has a variable speed switch that delivers higher speed and torque with increased trigger pressure. Speed is controlled by the amount of switch trigger depression.Variable speed dial is used to adjust the drilling speed, turn the dial to the “F” direction to increase the speed and to the “A” direction to decrease the speed.

**⚠ NOTE** : Must turn off the drill when adjust the drilling speed by the variable speed dial.

### Forward/Reverse control(See fig.4)

With the hammer drill placed toward the operator

a.To select forward rotation, push the forward/reverse control to right side.

b.To select reverse rotation, push the forward/reverse control to left side.

c.The forward/reverse control cannot be pushed left or right when the trigger switch is depressed.

**⚠ WARNING** : When changing the position of the control, be sure the trigger is released and the motor is stationary.

**⚠ NOTE** : The first time the tool is run after changing the direction of rota

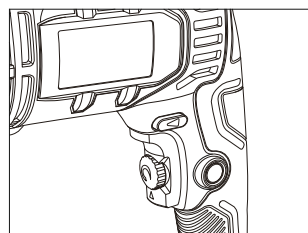


Fig.4

tion, you may hear a click on start up. This is normal and does not indicate a problem.

### Hammer action selector(See fig.5)

- a.To select hammer action for drilling in masonry, set the hammer action selector fully to the right marked with symbol “ ➔ ” .
- b.To select drill mode for drilling in wood and metal, set the hammer action selector fully to the left marked with symbol “ ⚡ ” .

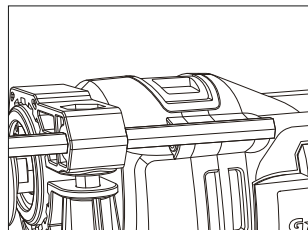


Fig.5

## 8.Maintenance

### Never use aggressive detergents or solvents for cleaning.

- a.To prevent accidents, always unplug the tool from the power source before cleaning or performing any maintenance the saw may be cleaned most effectively using compressed air. Always wear safety goggles when using compressed air. If compressed air is not available, use a brush to remove dust and chips from the tool.
- b.Motor ventilation vents and switch levers must be kept clean and free of foreign matter. Do not attempt to clean by inserting pointed objects through openings.
- c.Never use any caustic agents to clean plastic parts. Such as: gasoline, carbon tetrachloride, chlorinated cleaning solvents, ammonia and household cleaners containing ammonia. Do not use any of these to clean the tool.
- d.Have an authorized service center examine and/or replace the worn carbon brushes in the event of excessive sparking.
- e.Keep the machine clean all the time.
- f.If you discover any damage, consult the exploded drawing and parts list to determine exactly which replacement part you need to order from our customer service department.
- g.Clean the housing only with a damp cloth. Do not use any solvents! Dry thoroughly afterwards.
- h.If the supply cord of this power tool is damaged, it must be replaced by a similar cord available through the service organization or a qualified authoritative technician.

**⚠ CAUTION** : Do not use cleaning agents to clean the plastic parts of the tool. A mild detergent on a damp cloth is recommended. Water must never come into contact with the tool.

## 9.Transport

Turn the motor off and disconnect the mains plug. While transporting, be careful not to drop, or shock the machine. For transport, the machine has to be fixed against slipping and tipping over. Do not place objects on the machine.

## 10.Meaning of crossed –out wheeled dustbin:

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain,damaging your health and well-being.



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