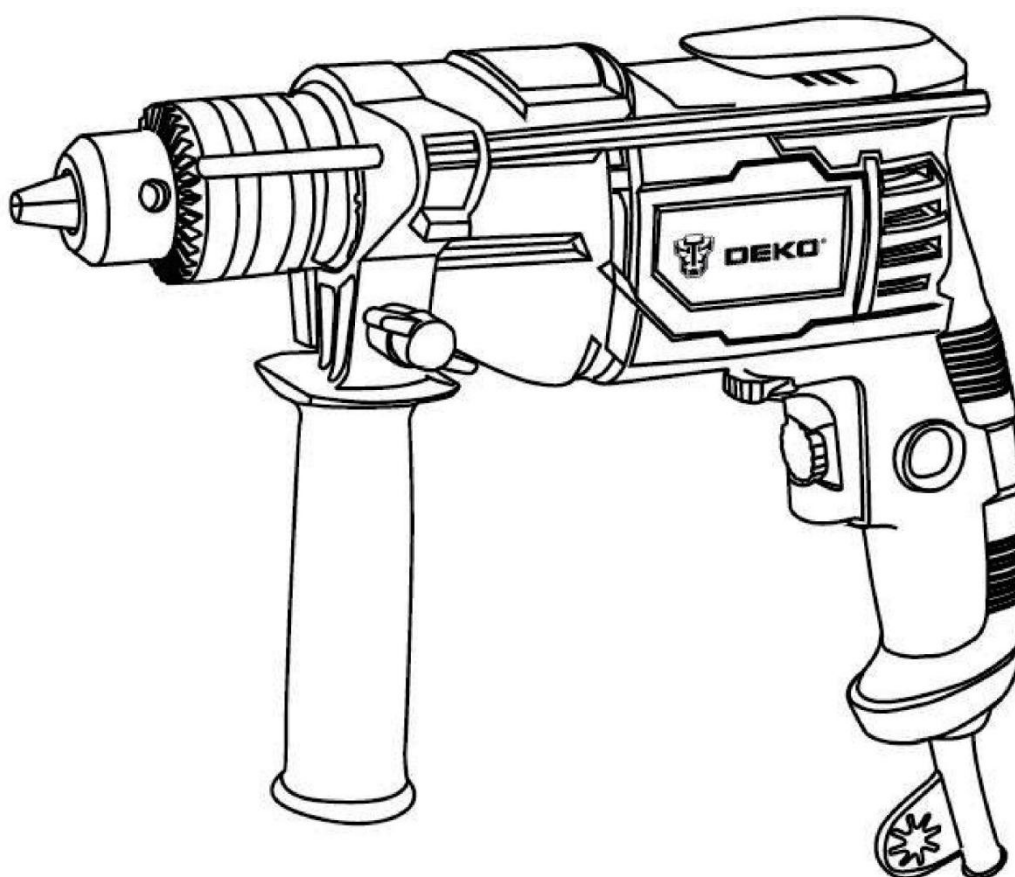


**DEKO®****EN****INSTRUCTION MANUAL  
IMPACT DRILL  
MODEL NO.: DKID13Z3**

See page 1



**⚠ IMPORTANT:** Read this instruction manual before operating this product. Keep the instruction manual for future reference.



DEKO TOOLS CO., LIMITED  
www.dekotools.com Made in China

## 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.*

## **Special Safety Instructions**

- 1) **Wear ear protectors when impact drilling.** Exposure to noise can cause hearing loss.
- 2) **Use auxiliary handle(s), if supplied with the tool.** Loss of control can cause personal injury.
- 3) **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.
- 4) **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 or may cause an electric shock.
- 5) **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:
  - a) the power tool is subject to overload
  - b) it becomes wedged in the workpiece.
- 6) **When working with the machine, always hold it firmly with both hands and provide for a secure stance.** The power tool is guided more secure with both hands.
- 7) **Secure the workpiece.** A workpiece clamped with clamping devices or in a vice is held more secure than by hand.
- 8) **Keep your workplace clean.** Blends of materials are particularly dangerous. Dust from light alloy can burn or explode.
- 9) **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.
- 10) **Never use the machine with a damaged cable.** Do not touch the damaged cable and pull the mains plug when the cable is damaged while working. Damaged cables increase the risk of an electric shock.
- 11) The equipment complies with the safety regulations required for electrical equipment. Read through the instructions for use before starting up the equipment.
- 12) Improper use can lead to personal injury and property damage. Persons who are not familiar with the instructions, may not operate the equipment.
- 13) **Keep the instructions for use in safe custody.**
- 14) **Children should not play with an electrical appliance.** Children cannot clean or maintain an electrical appliance without supervision.

## **Secure the workpiece**

A workpiece held with clamping devices or in a vise is more secure than when held by hand.

Place the machine on the nut/screw only when switched off.

Be careful when screwing in long screws, danger of sliding off.

Always switch the machine off and wait until it has come to a standstill before placing it down.






Never allow children to use the machine.

## **Overload clutch**

If the drill bit becomes jammed or caught, the drive to the drill spindle is interrupted. Because of the forces that occur as result, always hold the machine securely with both hands and take a firm stance.

## Symbol Explanation

In this manual and/or on the machine the following symbols are used:

	Read instruction manual before use.
	Conforms to relevant legislation and safety standards.
	Do not dispose of power tools and batteries/rechargeable batteries into household waste! Dispose the products according to the regulation and requirement of local council.
	Double insulation. Class II device. The device must not be earthed.
	Wear hearing protection. Wear eye protection. Wear breathing protection.

## Product Description



- |                                      |                                      |
|--------------------------------------|--------------------------------------|
| 1 Drill chuck                        | 7 On/off switch                      |
| 2 Auxiliary handle                   | 8 Speed controller                   |
| 3 Knob for fixing handle             | 9 Clockwise/Counter-clockwise switch |
| 4 Drill/hammer drill selector switch | 10 Recess of depth gauge             |
| 5 Hip clip                           | 11 Chuck key                         |
| 6 Lock-on button                     |                                      |

## Technical data

Model Number	DKID13Z3
Rated Voltage/Frequency	230V~50Hz
Input Power	710W
No-Load Speed	0-3000rpm
Impact rate	0-44800bpm
Chuck Size	13mm
Drilling Capacity	Wood: 25mm Steel: 10mm Concrete: 13mm
Protection Class	II/II

## Intended Use

The machine is intended for impact drilling in brick, concrete and stone as well as for drilling in wood, metal and plastic. Machines with electronic control and right/left rotation are also suitable for screw driving and thread-cutting.

## Operation

Before you connect the equipment to the mains supply make sure that the data on the rating plate are identical to the mains data.

**⚠ WARNING:** Always pull the power plug before making adjustments to the equipment.

### Auxiliary handle

The auxiliary handle (2) enables you to achieve better stability whilst using the hammer drill. Do not use the tool without the auxiliary handle.

The auxiliary handle (2) is secured to the hammer drill by a clamp. Clockwise the knob (3) to tighten the clamp, and turn the knob anti-clockwise will release the clamp.

- The supplied auxiliary handle (2) must first be fitted. To do this, the clamp must be opened by turning the handle until it is wide enough for the auxiliary handle to be slid over the chuck (1) and on to the hammer drill.
- After you have positioned the auxiliary handle (2), turn it to the most comfortable working position for you.
- Now anti-clockwise the knob (3) again until the auxiliary handle is secure.
- The auxiliary handle (2) is suitable for both left handed and right-handed users.

**CAUTION:** There is a nut to help fix the auxiliary handle on the chuck, don't lost it, otherwise the handle cannot be fixed.



### Fitting and adjusting the depth gauge

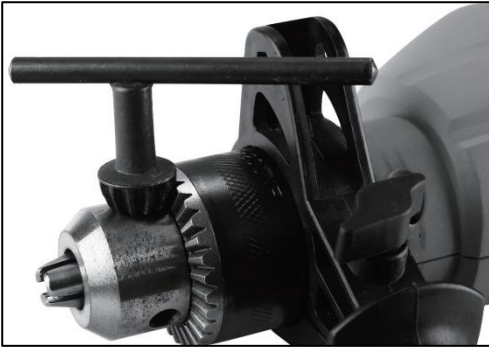
The depth gauge is held in place by the auxiliary handle (2) by clamping. The clamp can be released and tightened by turning the knob (3).

- Release the clamp and fit the depth gauge in the recess (10) provided for it in the auxiliary handle.
- Set the depth gauge to the same level as the drill bit.
- Pull the depth gauge back by the required drilling depth.
- Turn the handle on the auxiliary handle (2) until it is secure.
- Now drill the hole until the depth gauge touches the workpiece.

### Fitting the drill bit

This hammer drill is fitted with a keyless chuck (1).

- Open the chuck (1). The drill bit opening (1) must be large enough to fit the drill bit into.
- Select a suitable drill bit. Push the drill bit as far as possible into the chuck opening.
- Close the chuck (1) with the chuck key (11). Check that the drill bit is secure in the chuck (1).
- Check at regular intervals that the drill bit or tool is secure (pull the mains plug).



### Clockwise/Counter-clockwise switch

**CAUTION:** Change switch position only when the drill is at a standstill!

Switch the direction of the hammer drill using the clockwise/counter-clockwise switch (9):

Clockwise (forwards and drill, switch to "R").

Counter-clockwise (reverse), switch to "L".



### On/off switch

- a) First fit a suitable drill bit into the tool.
- b) Connect the mains plug to a suitable socket.
- c) Position the drill in the position you wish to drill.

#### To switch on:

Press the ON/OFF switch (7)

#### Continuous operation:

Secure the ON/OFF switch (7) with the lock-on button (6).

#### To switch off:

Press the ON/OFF switch (7) briefly.

### Adjusting the speed

Users can infinitely vary the speed whilst using the tool.

- a) Select the speed by applying a greater or lesser pressure to the ON/OFF switch (7).
- b) Select the correct speed: The most suitable speed depends on the workpiece, the type of use and the drill bit used.

- 1) Low pressure on the ON/OFF switch (7): Lower speed (suitable for: small screws and soft materials)

- 2) Greater pressure on the ON/OFF switch (7): Higher speed (suitable for large/long screws and hard materials)

**Tip:** Start drilling holes at low speed. Then increase the speed in stages.

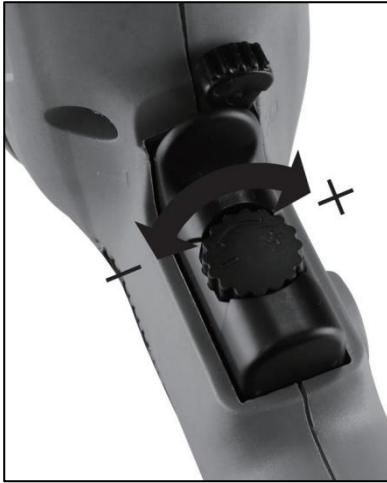
#### Benefits:

- 1) The drill bit is easier to control when starting the hole and will not slide away.
- 2) Avoid drilling messy holes (for example in tiles).

### Preselecting the speed

The speed controller (8) enables you to define the maximum speed. The ON/OFF switch (7) can only be pressed to the defined maximum speed setting.

- a) Set the speed using the speed controller (8) on the ON/OFF switch (7). Clockwise to increase the speed, and anti-clockwise to reduce the speed.
- b) Do not attempt to make this setting whilst the drill is in use.



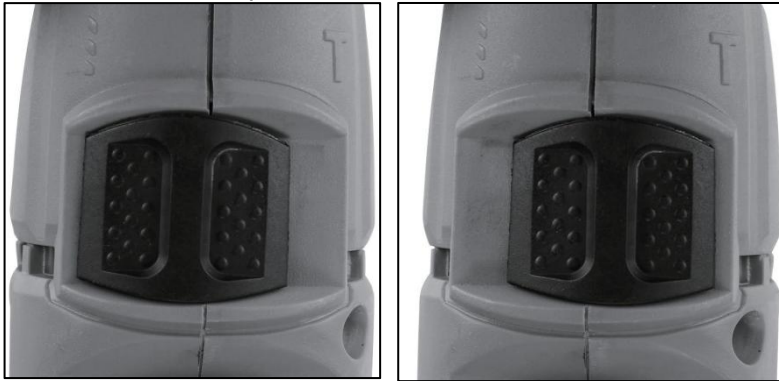
## Drill / hammer drill selector switch

**⚠ WARNING:** Change switch position only when the drill is at a standstill!

### Drill

Drill / hammer drill selector switch (4) in the drill position.

Use for: Wood, metal, plastic



### Hammer drill

Drill / hammer drill selector switch (4) in the hammer drill position.

Use for: Concrete, rock, masonry

## Tips for working with your hammer drill

### Drilling concrete and masonry

- Switch the Drill/Hammer drill selector switch (4) to position B (Hammer drill).
- Always use carbide drill bits and a high speed setting for drilling into masonry and concrete.

### Drilling steel

- Switch the drill / hammer drill selector switch (4) to position A (drill).
- Always use HSS drill bits (HSS = high speed steel) and a low speed setting for drilling steel.
- We recommend that you lubricate the hole with a suitable cutting fluid to prevent unnecessary drill bit wear.

### Inserting/Removing screws

- Switch the Drill/Hammer drill selector switch (4) to position A (drill).
- Use a low speed setting

### Starting holes

If you wish to drill a deep hole in a hard material (such as steel), we recommend that you start the hole with a smaller drill bit.

### Drilling tiles

- To start the hole, switch the drill / hammer drill selector switch (4) to position A (drill).
- Switch the drill / hammer drill selector switch(4) to position B (hammer drill) as soon as the drill bit has passed through the tiles.

## Cleaning and Maintenance

**⚠ WARNING:** Always pull out the mains power plug before starting any cleaning work.

### Cleaning

- a) Keep all safety devices, air vents and the motor housing free of dirt and dust as far as possible. Wipe the equipment with a clean cloth or blow it with compressed air at low pressure.
- b) We recommend that you clean the device immediately each time you have finished using it.
- c) Clean the equipment regularly with a moist cloth and some soft soap. Do not use cleaning agents or solvents; these could attack the plastic parts of the equipment. Ensure that no water can seep into the device.

### Carbon brushes

In case of excessive sparking, have the carbon brushes checked only by a qualified electrician.

**⚠ WARNING:** The carbon brushes should not be replaced by anyone but a qualified electrician.

### Maintenance

There are no parts inside the equipment, which require additional maintenance.

### Disposal



The machine and packaging should be sorted for environmental-friendly recycling. Do not dispose of power tools into household waste! Please recycle them at collection points provided for the purpose. Ask your local authority for information about recycling.