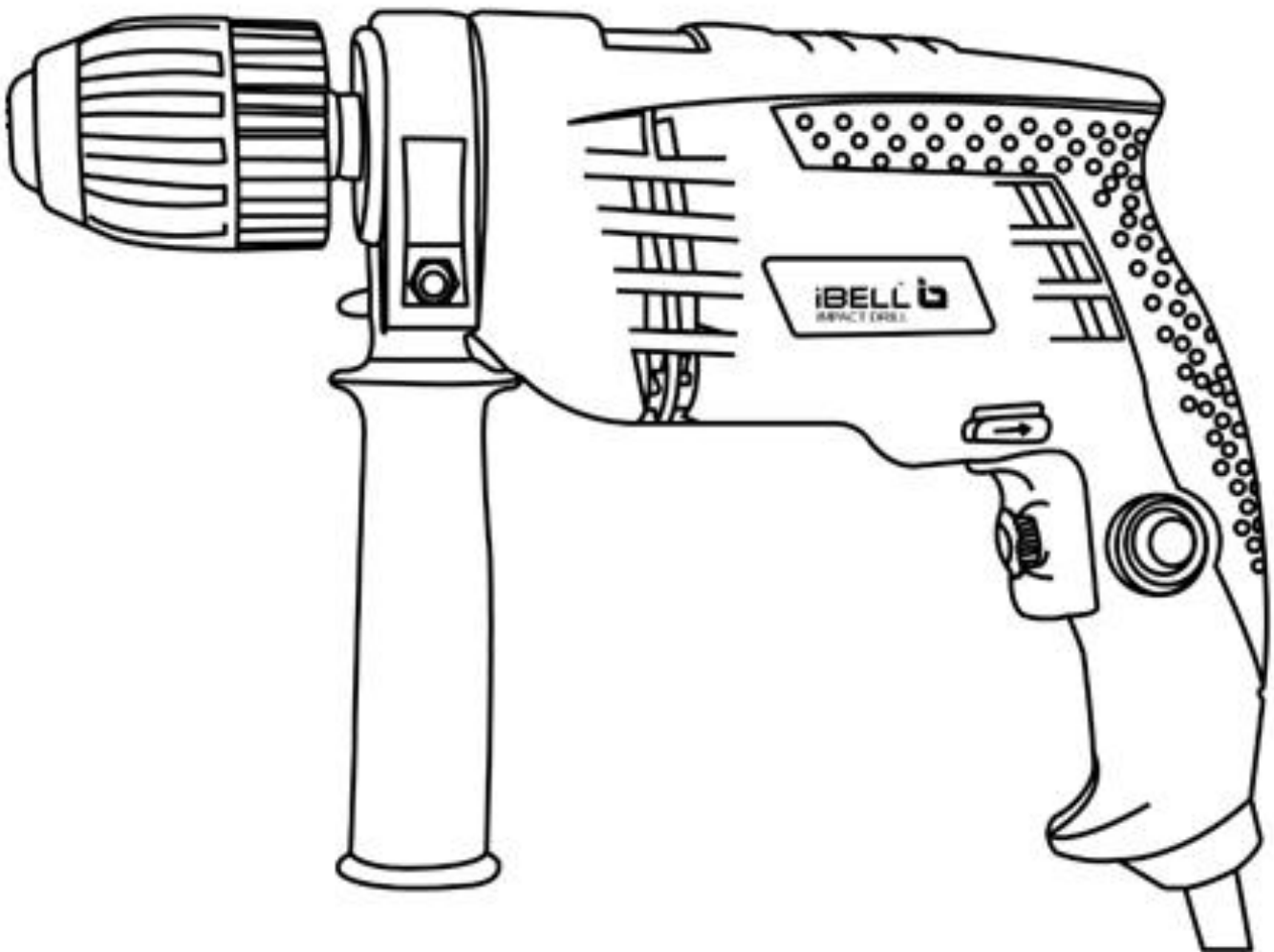


OPERATOR'S MANUAL



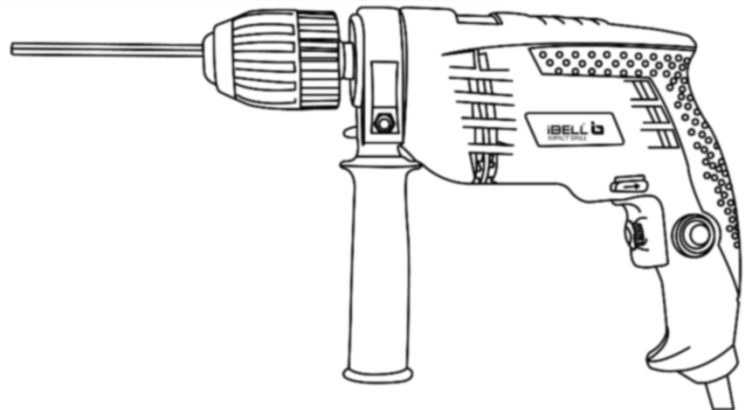
IMPACT DRILL | IMPACT DRILL TOOL BOX

ID 13-80 | TD13-100

<Read manual carefully before using>

TABLE OF CONTENTS

1. GENERAL POWER TOOL SAFETY WARNINGS	3
2. IMPACT DRILL SAFETY WARNINGS.....	6
3. PRODUCT OVERVIEW	8
4. PRODUCT SPECIFICATIONS	9
5. SETUP	10
6. PRODUCT FUNCTIONS	12
7. GENERAL OPERATION	16
8. TROUBLESHOOTING	18



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

WORK AREA SAFETY

- **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- **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.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

- **Power tool plugs must match the outlet. Never modify the plug in any way.** Do not use any adapted plugs with earthed(grounded) power tools. Modified plugs and un-matching outlets will increase the risk of electric shock.
- **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.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **Do not abuse the cord.** Never use the cord for carrying, pulling or unplugging the power tool. Keep it away from heat, oil, sharp edges or moving parts.
- **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.

PERSONAL SAFETY

- **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 or alcohol. A moment of inattention while operating power tools may result in serious personal injury.
- **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.
- **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.
- **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.
- **Do not overreach.** Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- **Dress properly, say no to loose clothing or jewellery.** Keep your hair, clothing away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- **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.

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.
- **When servicing a power tool, use only identical replacement parts.** Follow instructions in the maintenance section of this manual. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of shock or injury.

POWER TOOL USE AND CARE

- **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.
- **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.
- **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.
- **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.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **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.

RESIDUAL RISKS

Even if you are operating this product in accordance with all the safety requirements, potential risks of injury and damage remain. The following dangers can arise:

- Health defects resulting from vibration emission if the product is being used over long periods of time or not adequately managed and properly maintained.
- Injuries and damage to property due to broken cutting attachments or the sudden impact of hidden objects during use.
- Danger of injury and property damage caused by other objects or due to natural reactions or calamities.

IMPACT DRILL SAFETY WARNINGS

- **Wear ear protectors when impact drilling.** Exposure to noise can cause hearing loss.
- **Use auxiliary handle supplied with the tool.** Loss of control can cause personal injury.
- **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.
- **Always wear safety goggles or eye protection when using this tool. Use a dust mask or respirator for applications which generate dust.**
- **Secure the material being drilled. Never hold it in your hand or across legs.** Unstable support can cause the drill bit to bind causing loss of control and injury.
- Place the switch in the locked or off position before making any assembly, adjustments or changing accessories. Such preventive safety measures reduce the risk of starting the tool accidentally.
- **Position yourself to avoid being caught between the tool or side handle and walls or post.** When the bit become bound or jammed in the work, the reaction torque of the tool could crush your hand or leg.
- If the bit becomes bound in the work piece, release the trigger immediately, reverse the direction of rotation and slowly squeeze the trigger to back out the bit. Be ready for a strong reaction torque. The drill body will tend to twist in the opposite direction as the drill bit is rotating.
- Do not grasp the tool or place your hands too close to the spinning impact drill chuck or drill bit.
- When installing a drill bit, insert the shank of the bit well within the jaws of the chuck. **If the bit is not inserted deep enough, the grip of the jaws over the bit is reduced and the loss of control is increased.**
- **Do not use dull or damaged bits and accessories.** Dull or damaged bits have a greater tendency to bind in the work piece.

- When removing the bit from the tool avoid contact with skin and use proper protective gloves when grasping the bit or accessory. **Accessories may be hot after prolonged use.**
- Check to see that keys and adjusting wrenches are removed from the drill before switching the tool “ON”. Keys or wrenches can fly away at high velocity striking you or bystander.
- **Do not run the drill while carrying it at your side.** A spinning drill bit could become entangled with clothing and injury may result.
- Avoid bouncing and snagging the wheels, discs or brushes especially when working corners, sharp edges, etc. This can cause loss of control and kickback.

SYMBOLS

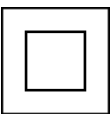
On the product or on the packing box, the rating label and within these instructions you will find among others the following symbols and abbreviations. Familiarize yourself with them to reduce hazards like personal injuries and damage to property.



Caution / Warning



Wear protective gloves



This product is of protection class II. That means it is equipped with enhanced or double insulation

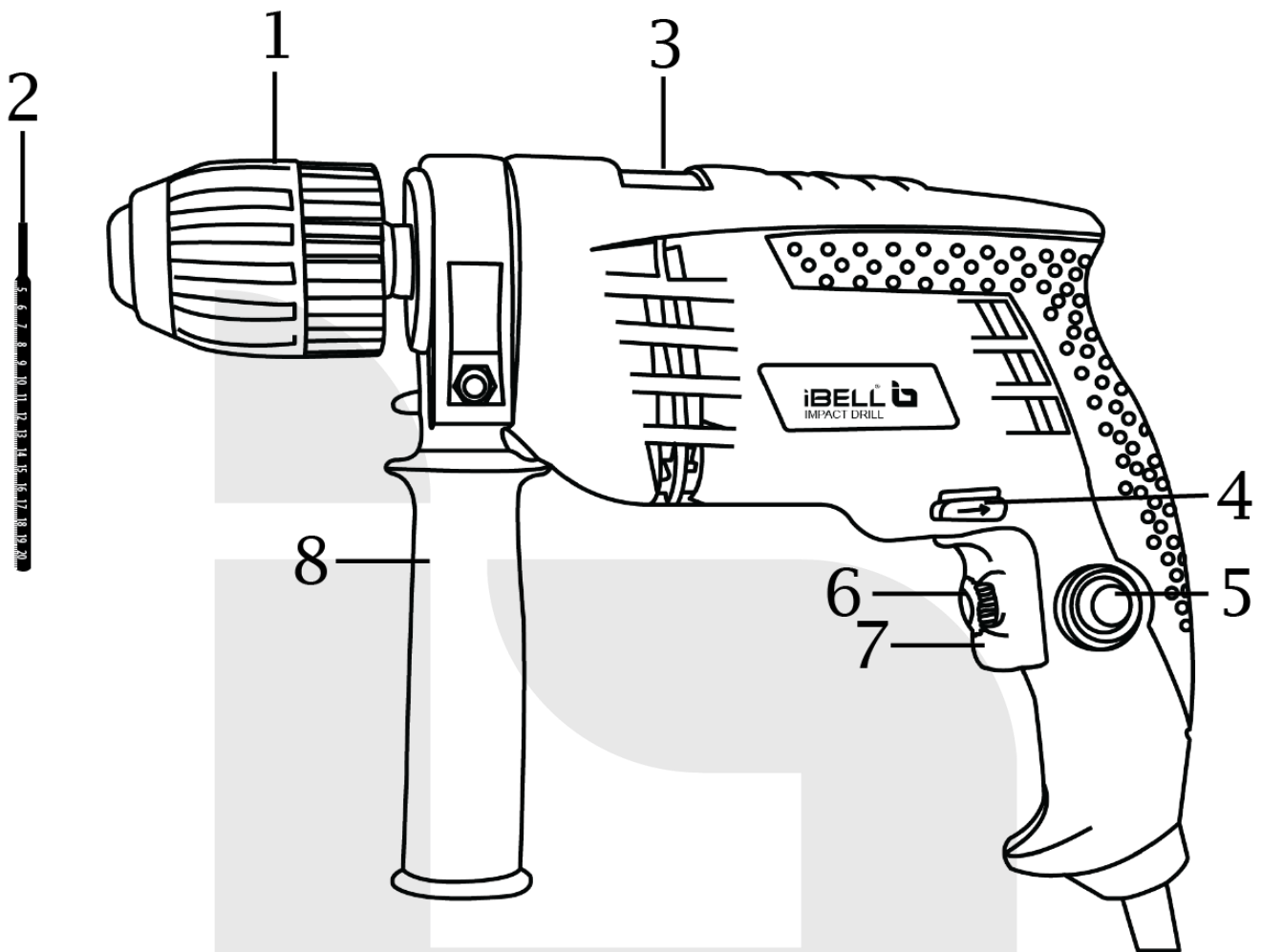


Wear hearing and eye protection



Wear dust mask

PRODUCT OVERVIEW



1. Chuck
2. Depth gauge
3. Drill/Hammer function selector
4. Forward/Reverse rotation control lever
5. Switch lock on button
6. Variable speed control
7. ON/OFF Switch
8. Auxiliary Handle

PRODUCT SPECIFICATIONS

Rated voltage	: 230V~50Hz
Rated Input Power	: 650W
Rated no load speed	: 0-2800 rpm
Weight	: 1.77 Kg
Chuck capacity	: 13 mm
Drilling capacity	: Wood - 25 mm Steel - 12 mm Concrete - 13 mm
Protection class	: Class II

ACCESSORIES

IBL ID13-80

Auxiliary handle	: 1
Depth gauge	: 1
HSS drill bit	: 3
Wood drill bit	: 3
Masonry drill bit	: 3

IBL TD13-100

Along with the above mentioned accessories, Screwdrivers, Adjustable wrench, Sockets for tightening and loosening nuts, Screw-driving bits, Combination player, Measuring tape, Spirit level etc., are available in the tool box. (only in TD13-100)

SETUP

UNPACKING AND ENSURING

- Unpack all parts and lay them on flat, stable surface. Remove all packing materials. Make sure the delivery contents are complete and free of any damage. If you find that parts are missing or show damage, do not use the product but contact your dealer. Using an incomplete or damaged product represents a hazard to people and property.
- Ensure that you have all the accessories and tools needed for assembly and operation. This also includes suitable personal protective equipment.

⚠ WARNING! The product must be fully assembled before operation! Do not use a product that is only partly assembled or assembled with damaged parts! Follow the assembly instructions step-by-step and use the pictures provided as a visual guide to easily assemble the product! Do not connect the product to power supply before it is completely assembled!

INTENDED USE

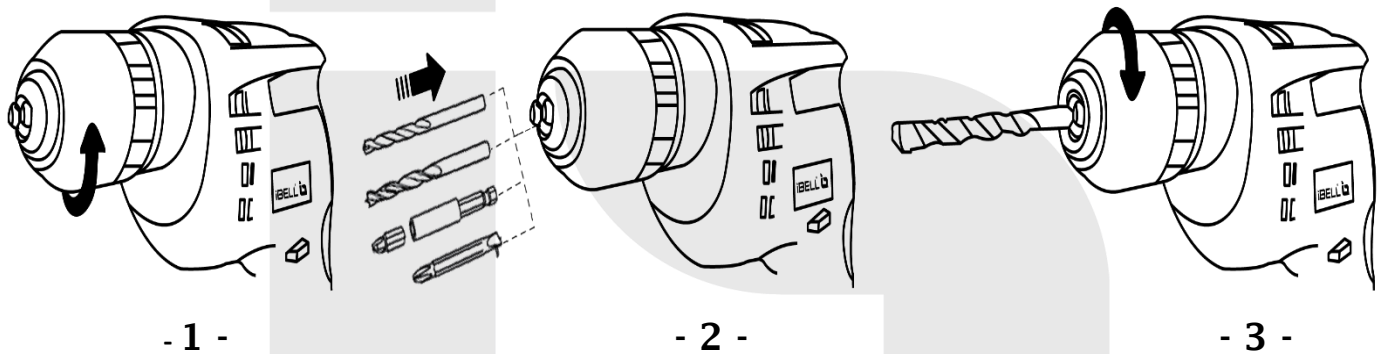
- **The product is intended for driving in, loosening screws as well as for drilling in wood, steel, concrete and also for hammering.** It should not be used for working on materials that are dangerous to health.
- This tool has a chuck capacity of 13 mm that can be used for screwing and unscrewing, and a drilling capacity of 12 mm for steel, 13mm for concrete and 25 mm for wood.
- For safety reasons it is essential to read the entire instruction manual before first operation and to observe all the instructions mentioned in it.

DRIVER/DRILL BITS

Different drill and driver bits can be used with this product depending on the material being worked with.

INSERTING PROCEDURE:

1. Turn the chuck sleeve anticlockwise until the chuck jaws are opened wide enough to insert the drill bit.
2. Insert the drill bit all the way to the stop. If using a 25 mm driver bit, insert it into the socket of a bit holder.
3. Turn the chuck sleeve clockwise until the drill bit is properly fastened in the chuck jaws.



REMOVING/REPLACING:

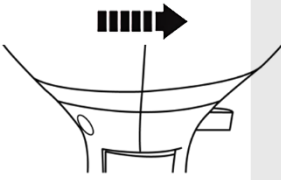
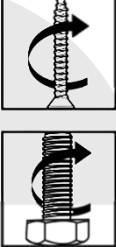
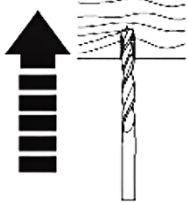
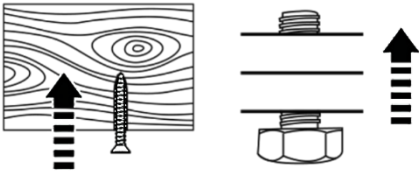
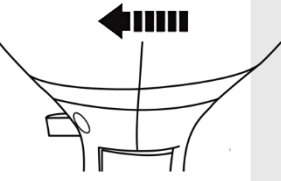
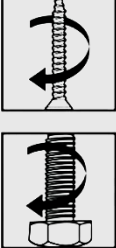
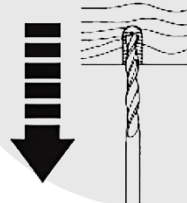
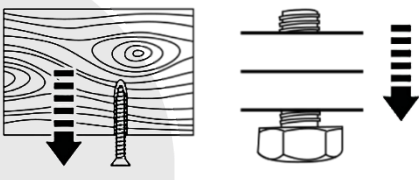
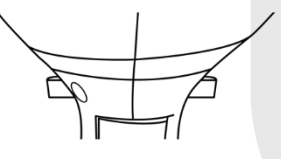

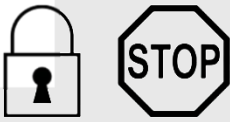
- Turn the chuck sleeve anticlockwise until the chuck jaws are opened wide enough to remove the bit.
- Remove the bit and insert a new one as described above if desired.

⚠ WARNING! Always use drill bits according to the intended use! Never use a drill bit intended for working on wood for working on steel or vice versa! Observe the technical requirements of this product when purchasing and using drill bits! Some drill bits become hot during use, handle them carefully! Wear protective gloves!

PRODUCT FUNCTIONS

FORWARD / REVERSE ROTATION CONTROL

Change the rotational direction from forward to reverse by pressing the forward /reverse rotation control (4).

Position	Rotational direction	Application	
 <p>- 1 -</p>		 <p>Drilling into material</p>	 <p>Screw-driving</p>
 <p>- 2 -</p>		 <p>Loosen drill bits</p>	 <p>Screw removing</p>
 <p>- 3 -</p>		 <p>Lock the ON/OFF switch and avoid accidental starting</p>	

1. Move the forward/reverse rotation control switch (4) to the left (as seen from the operator position) in order to use the product in a clockwise rotational mode.

2. Move the forward/reverse rotation control switch to the right (as seen from the operator position) in order to use the product in anticlockwise rotational mode.

3. Move the rotation control switch to the centre position to lock the ON/OFF switch and avoid accidental starting.

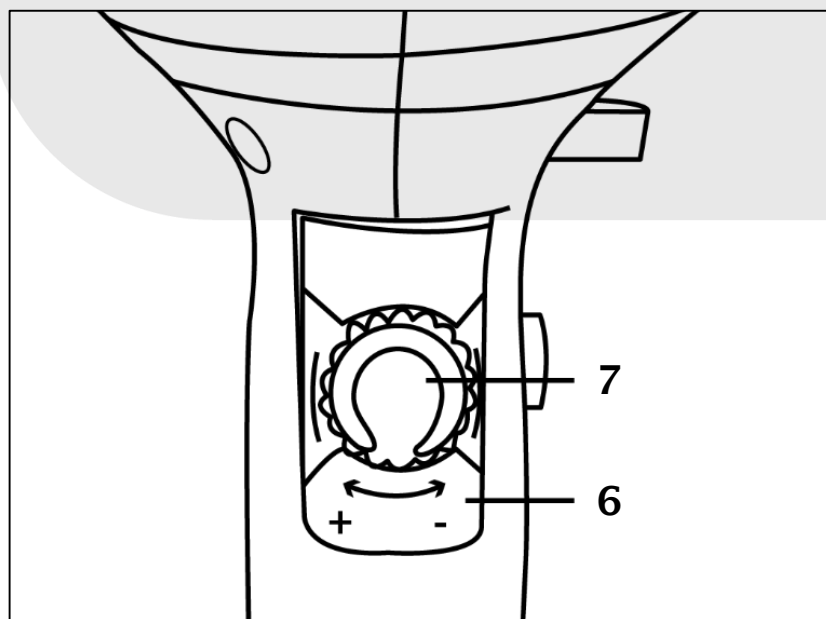
⚠ WARNING! Only change the rotational direction when the product is switched off and has come to a complete stop! Always ensure that the forward/reverse rotation control is adjusted to the correct position depending on the intended operation! Always push the forward/reverse rotation control as far as it will go! Do not use the product with the control switch in any other intermediate position!

ON/OFF TRIGGER SWITCH

Switch the device ON by pressing the ON/OFF switch (6) and OFF by releasing the switch. It is also a variable speed switch that delivers higher speed and torque with increased trigger pressure.

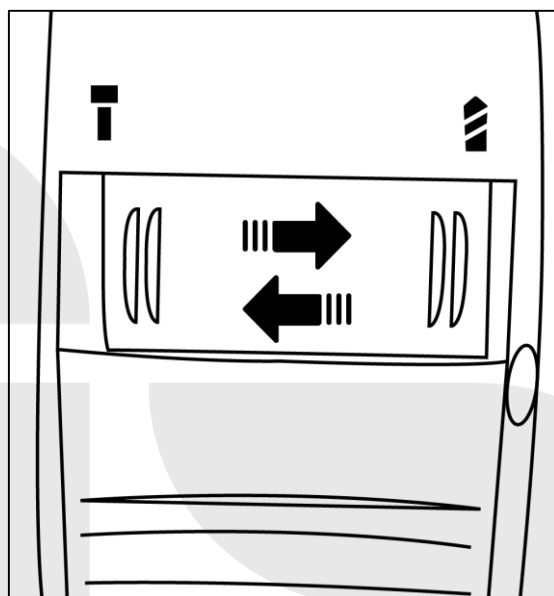
VARIABLE SPEED GEAR CONTROL



The variable speed gear control (7) is used to switch between different speed working modes. When the gear is set to position '1 (-)', the speed will decrease and the drill will have greater power* and torque. When the gear is set to position '2(+)', the speed will increase and the drill will have less power* and torque.



MODE ADJUSTMENT

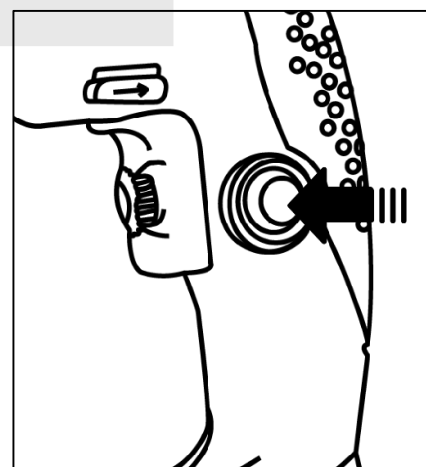
It is possible to adjust the mode operation (3) to hammering or drilling. When drilling masonry and concrete push the action select switch into the hammer position. When drilling wood, metal or plastic push the switch into the drill position.



Mode	Description
	For drilling in wood, steel and concrete
	For light hammer drilling

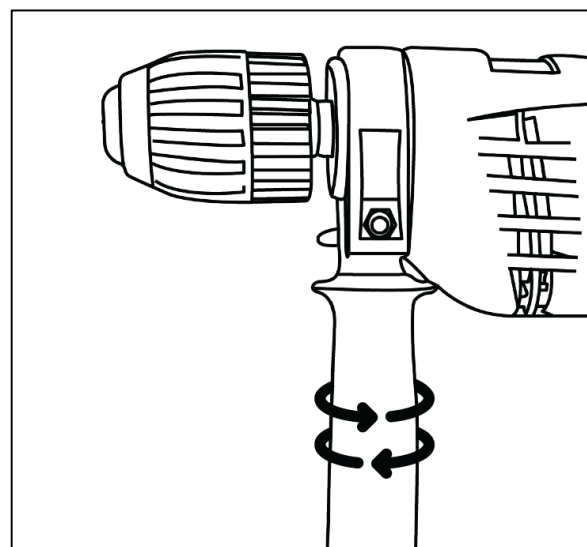
SWITCH LOCK-ON BUTTON

Press ON/OFF switch then lock-on button, release ON/OFF switch first and lock-on button second. Your switch is now locked on for continuous use. To switch off your tool just depress and release the ON/OFF switch.



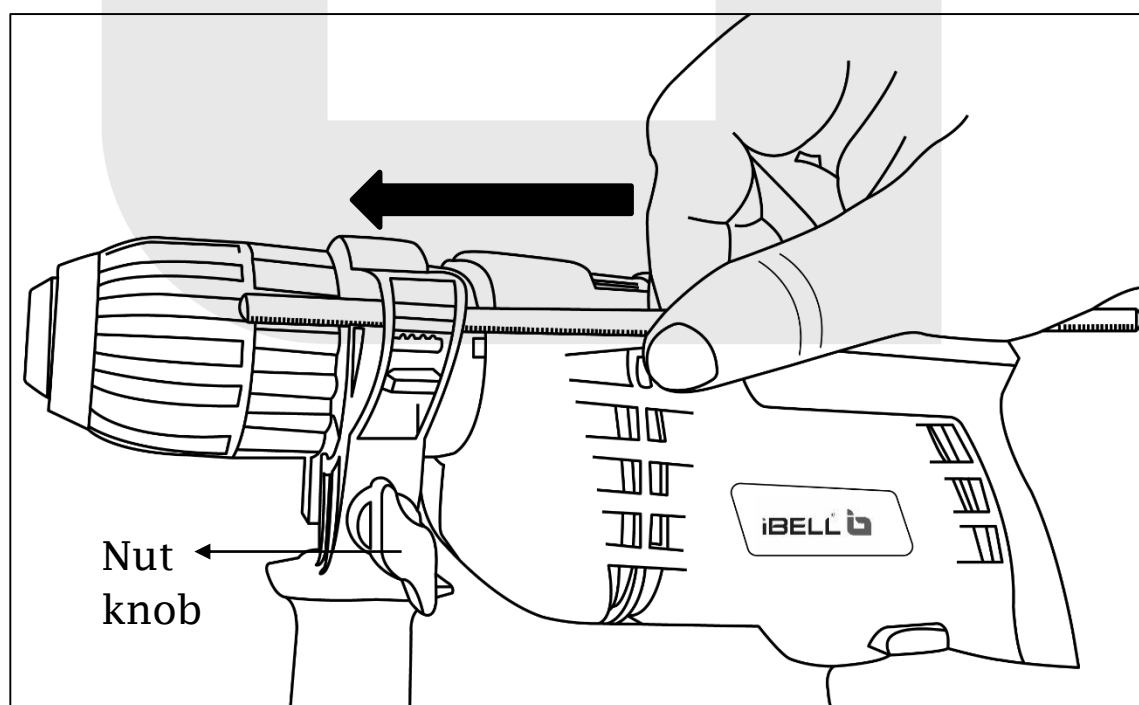
AUXILIARY HANDLE

Slide the handle onto the drill and rotate to the desired working position. To clamp the auxiliary handle, rotate the handgrip clockwise. To loosen the auxiliary handle, rotate the handgrip anticlockwise. Use the nut knob also to tighten/loosen. **Always use the auxiliary handle.**



INSTALLING THE DEPTH GAUGE

The depth gauge can be used to set a constant depth to drill. To use the depth gauge, loosen the nut knob section on the handle. Insert the depth gauge through hole in handle. Slide the depth gauge to required depth and tighten fully.



GENERAL OPERATION

- Check the product as well as accessories for damage before each use. Do not use the product if it is damaged or shows wear. Double check that the accessories and attachments are properly fixed.
- Always hold the product on its main handle as well as the auxiliary for operation. Keep the handle dry to ensure safe support.
- Switch the product off immediately if you are disturbed while working by other people entering the working area. Always let the product come to complete stop before putting it down.
- Do not overwork yourself. Take regular breaks to ensure you can concentrate on the work and have full control over the product.

DRILLING/ HAMMERING

- Set the torque ring to drilling/ hammering mode when drilling into wood, plastic, steel or hammering into concrete etc.,
- Always hold the product perpendicular to the point to be drilled. Holding at an angle may cause slipping/jamming of the drill bit.
- Always place the drill tip directly on the point to be drilled first and then switch the product on.
- Pre-drill larger holes with a small diameter drill bit first. Doing so makes drilling with a larger diameter drill bit easier.
- Do not always drill at top speed. This unnecessarily increases the wear and tear of the product and drill bit.
- Remove blocked and stuck drill bits by changing the rotational direction.
- On plastics and steel, punch the drilling point before operation in order to avoid slipping of the drill.
- Use suitable drill bit for drilling into concrete.

CLEANING AND STORAGE

- Keep the product clean. Remove debris from it after each use and before storage. **Do not use chemical, alkaline, abrasive or other aggressive detergents or disinfectants to clean this product** as they might be harmful to its surfaces. Regular and proper cleaning will help ensure safe use and prolong the life of the product. Clean the product with a dry cloth. Use a brush for areas that are hard to reach.
- **Always store the product in a place that is inaccessible to children.** We recommend using the original package for storage or covering the product with a suitable cloth or enclosure to protect it against dust.

MAINTENANCE AND REPAIR

- Before and after each use, check the product and accessories (or attachments) for wear and damage.
- Inspecting the drill bits; Since use of a dull tool will cause motor malfunctioning and degraded efficiency, replace the drill bits with a new one or re-sharpen when abrasion is noted.
- **This product does not contain any parts that can be repaired by the consumer.** Contact an authorised service centre or a similarly qualified person to have it checked and repaired.

⚠ WARNING! Always switch the product off, disconnect the product from the power supply and let the product cool down before performing inspection, maintenance and cleaning work! Only perform repairs and maintenance work according to these instructions! All further works must be performed by a qualified specialist!

TROUBLESHOOTING

Suspected malfunctions are often due to causes that the users can fix themselves, therefore check the product using this section. In most cases the problem can be solved quickly.

Problem	Possible Cause	Solution
1. Product does not start	1.1 No power supply 1.2 Product damaged 1.3 Other electrical defect to the product	1.1 Check the plug on the power supply 1.2 Check it by an electrician 1.3 Check it by an electrician
2. Unsatisfactory result	2.1 Drill bit is worn 2.2 Drill bit not suitable for intended operation	2.1 Replace with a new one 2.2 Use suitable driver bit
3. Product suddenly stops	3.1 Product overloaded	3.1 Remove the product from the work-piece and switch it on again

⚠ WARNING! Only perform the steps described within these instructions! All further inspection, maintenance and repair work must be performed by an authorised service centre or a similarly qualified specialist if you cannot solve the problem yourself!



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or local store for recycling advice.

Do not dispose this product by normal household waste, but take it to a collection point and recycling of electrical and electronic equipment. This is indicated by the symbol on the product, user manual or packaging. Re-use, material utilization or other forms of old appliances, you make an important contribution in protecting our environment.

CONTACT US

**HiTech Machineries & Equipments
IV/540E, Thottumugham, P.O, Aluva
Ernakulam(Dist), Kerala, India- 683105**

Toll Free : 1800 103 4090

Whatsapp : +91 8943 651651

Website : www.ibelltools.com

Email : icare@ibelltools.com

