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IBELL TD13-100

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Model: TD13-100

INTRODUCTION

Thank you for choosing the IBELL Professional Tool Kit TD13-100. This comprehensive kit is designed to assist you with a wide range of home improvement, repair, and DIY tasks. It includes a powerful 650W Impact Drill and 115 essential tools and accessories, providing versatility and efficiency for various applications.

This manual provides important information regarding the safe operation, proper use, and maintenance of your tool kit. Please read it thoroughly before using the product and keep it for future reference.

GENERAL SAFETY INFORMATION

Always follow basic safety precautions when using power tools to reduce the risk of fire, electric shock, and personal injury.

- **Work Area Safety:** Keep your 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.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges, and refrigerators.
- **Personal Safety:** Always wear eye protection. Use dust mask, non-skid safety shoes, hard hat, or hearing protection for appropriate conditions. Dress properly; do not wear loose clothing or jewelry. Keep hair, clothing, and gloves away from moving parts.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- **Maintenance:** Maintain power tools. 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.

PACKAGE CONTENTS

Your IBELL Professional Tool Kit TD13-100 comes with a comprehensive set of tools and accessories neatly

organized in a durable carrying case. Please verify all items are present upon unpacking.



Figure 1: Overview of the IBELL Professional Tool Kit TD13-100 contents.

The kit includes, but is not limited to, the following items:

- 1 x 650W Hammer Drill
- 1 x Auxiliary Handle
- 1 x Depth Gauge
- 3 x Screwdrivers
- 10 x Screwdriver Bits
- 1 x Screwdriver Head
- 1 x Flexible Shaft
- 9 x Socket Wrenches
- 1 x Adjustable Knife
- 8 x Allen Key Set
- 3 x Steel Bits
- 3 x Wood Bits

- 3 x Cement & Concrete Bits
- 1 x Measuring Tape
- 1 x Plier
- 1 x Adjustable Wrench
- 1 x Claw Hammer
- 1 x Spirit Level
- 1 x Digital Tester
- 1 x Insulation Tape
- 1 x PVC Tape
- 60 x Screws & Fischers (assorted)

PRODUCT OVERVIEW: IMPACT DRILL COMPONENTS

Familiarize yourself with the key components of the IBELL 650W Impact Drill for safe and effective operation.



Figure 2: Key components of the IBELL 650W Impact Drill.

- **Automatic Chuck:** Holds drill bits securely. Keyless design allows for quick bit changes.
- **Depth Gauge:** Used to set the desired drilling depth.
- **Auxiliary Handle:** Provides additional grip and control during operation.
- **ON/OFF Switch:** Activates and deactivates the drill.
- **Variable Speed Control:** Adjusts the drilling speed based on material and application.
- **Switch Lock On Button:** Locks the ON/OFF switch for continuous operation.
- **Forward/Reverse Rotation Control Lever:** Changes the direction of rotation for drilling or screw driving/removing.
- **Drill/Hammer Function Selector:** Switches between standard rotary drilling and hammer drilling modes.

SETUP

1. Unpacking and Inspection

Carefully remove all components from the packaging. Inspect the tool kit for any signs of damage during transit. If any damage is found, do not use the tool and contact customer support.

2. Attaching the Auxiliary Handle

1. Loosen the auxiliary handle by rotating it counter-clockwise.
2. Slide the handle onto the front of the drill body, positioning it to your comfort and control.
3. Rotate the handle clockwise to tighten it securely. Ensure it is firmly attached before operation.

3. Inserting and Removing Drill Bits (Keyless Chuck)

1. Ensure the drill is unplugged from the power source.
2. Rotate the chuck collar counter-clockwise until the jaws are open wide enough to insert the drill bit.
3. Insert the drill bit fully into the chuck.
4. Rotate the chuck collar clockwise to tighten the jaws firmly around the drill bit. Hand-tighten until the bit is secure and does not slip.
5. To remove, rotate the chuck collar counter-clockwise to loosen the jaws and pull the bit out.

4. Setting the Depth Gauge

1. Insert the depth gauge into the hole on the auxiliary handle.
2. Adjust the depth gauge to the desired drilling depth by sliding it forward or backward. The tip of the drill bit should extend beyond the end of the depth gauge by the desired drilling depth.
3. Tighten the auxiliary handle to secure the depth gauge in place.

OPERATING INSTRUCTIONS

1. Powering On/Off and Variable Speed Control

1. To turn the drill ON, press the ON/OFF switch.
2. To turn the drill OFF, release the ON/OFF switch.
3. The drill features variable speed control. The harder you press the ON/OFF switch, the faster the drill will rotate. This allows for precise control over drilling speed.
4. For continuous operation, press the ON/OFF switch and then press the Switch Lock On Button. To release, press the ON/OFF switch again.

2. Forward/Reverse Rotation

The Forward/Reverse Rotation Control Lever is located above the ON/OFF switch.

- Push the lever to the left for forward rotation (clockwise), suitable for drilling and driving screws.
- Push the lever to the right for reverse rotation (counter-clockwise), suitable for removing screws or freeing a jammed drill bit.

Always ensure the drill has come to a complete stop before changing the rotation direction.

3. Drill/Hammer Function Selector

The selector switch is located on the top of the drill body.

- **Drill Mode (Rotary):** Select this mode for drilling into wood, metal, plastics, and for screw driving.
- **Hammer Drill Mode (Rotary with Impact):** Select this mode for drilling into masonry, concrete, and brick. The hammer action provides a pounding motion in addition to rotation, aiding in faster penetration of hard materials.

Always use appropriate drill bits for the selected mode and material.

4. Using Other Tools and Accessories

The kit includes a variety of hand tools and accessories. Refer to the specific application for each tool:

- **Screwdrivers & Bits:** Use for fastening and unfastening screws. Select the correct bit type (Phillips, flathead, Torx, etc.) and size for the screw head.
- **Pliers & Wrenches:** For gripping, bending, cutting wires, and tightening/loosening nuts and bolts.
- **Hammer:** For driving nails or light demolition tasks.
- **Measuring Tape & Spirit Level:** For accurate measurements and ensuring surfaces are level.
- **Digital Tester:** For basic electrical circuit testing. Always exercise extreme caution when working with electricity.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your IBELL Tool Kit.

1. Cleaning

- Always unplug the drill before cleaning.
- Wipe down the exterior of the drill and other tools with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Use compressed air to clear dust and debris from ventilation openings of the drill.
- Clean drill bits and accessories after each use to prevent rust and maintain sharpness.

2. Storage

- Store the tool kit in its original carrying case in a dry, secure location, away from direct sunlight and moisture.
- Keep out of reach of children and unauthorized users.
- Ensure all tools are clean and dry before storing to prevent corrosion.

3. Chuck Maintenance

Periodically inspect the chuck jaws for wear or damage. A small amount of light machine oil can be applied to the chuck jaws to ensure smooth operation, but avoid over-lubrication.

TROUBLESHOOTING

If you encounter issues with your IBELL Impact Drill, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Drill does not start.	No power supply; Faulty switch; Carbon brushes worn.	Check power connection; Ensure switch is fully pressed; Contact service center for brush replacement.
Drill bit slips in chuck.	Chuck not tightened sufficiently; Bit shank is dirty or damaged.	Tighten chuck firmly; Clean or replace bit.
Excessive vibration or noise.	Loose components; Damaged internal parts.	Check for loose screws; Discontinue use and contact service center.
Drill overheats.	Overloading; Blocked ventilation slots.	Reduce load; Clear ventilation slots; Allow drill to cool.

If the problem persists after attempting these solutions, please contact IBELL customer support.

SPECIFICATIONS

The IBELL Professional Tool Kit TD13-100 features the following technical specifications for its impact drill:

PARAMETERS



Rated voltage
: **230V~50Hz**



Rated Input Power
: **650W**



Rated no load speed
: **0-2800RPM**



Chuck capacity
: **13mm**



Drilling capacity
: **Wood - 25mm, Steel - 12mm, Concrete - 13mm**



Figure 3: Technical Parameters of the IBELL Impact Drill.

- **Model:** TD13-100
- **Rated Voltage:** 230V~50Hz
- **Rated Input Power:** 650 W
- **Rated No Load Speed:** 0-2800 RPM
- **Chuck Capacity:** 13mm Keyless Auto Chuck
- **Drilling Capacity:**
 - Wood: 25mm
 - Steel: 12mm
 - Concrete: 13mm
- **Protection Class:** Class II
- **Item Weight:** Approximately 5.05 kg (11.11 pounds)
- **Product Dimensions:** 16.54 x 4.33 x 13.78 inches

WARRANTY AND SUPPORT

Specific warranty details for the IBELL Professional Tool Kit TD13-100 are not provided within this manual. For information regarding warranty coverage, terms, and conditions, please refer to the product packaging, any included warranty cards, or contact IBELL customer support directly.

For technical assistance, troubleshooting beyond this manual, or to inquire about replacement parts, please reach out to the manufacturer's customer service department. Contact information can typically be found on the product packaging or the official IBELL website.