

TE 10A Rotary Hammer Drill

Instruction Manual

HILTI



- 1 Quick Release Chuck
- 2 Hammer Drilling/Rotary Drilling Selector
- 3 Adjustable Depth Gauge
- 4 360 degree Side Handle

This Product is Listed by
 UNDERWRITERS LABORATORIES INC.
 and Bears the Mark:



Technical Data

Power Input: 350 watts
 Nominal Battery Voltage: 36 volts
 Quantity of cells per battery:
 30 Ni-Cd cells
 Full Load Speed:
 750 RPM
 Full Load Percussion:
 4200 blows/min.
 Battery pack service life:
 Approx. 500 chargings

Dimensions

Length without bit: 13¹/₈"
 Width: 2⁹/₁₆"
 Height: 9⁷/₁₆"
 Weight with battery pack:
 9 lbs. 13 oz.
 Individual battery pack weight:
 4 lbs. 3 oz.

Battery Charger

Voltage: 115 volts
 Current Input: 750 mA (Rapid Charge)
 Weight: 3 lbs.
 100% charging time for fully
 discharged battery:
 Approx. 2 hours (rapid charge)

Capacity

Concrete/Masonry: ³/₁₆" - ¹/₈"
 Wood/Plastic: Up to 1"
 Steel: up to ¹/₂"

Performance

Approximately 100 holes with
³/₁₆" TE drill bit
 Approximately 50 holes with
⁵/₁₆" TE drill bit

Features

- Two drilling modes: Hammer drilling and rotary only drilling
- Slip clutch
- Carbon brushes: Automatic cut-out type
- Permanent lubrication
- Automatic percussion cut-out prevents hammering when drill bit is removed from work surface
- U.L. listed battery charger (Double Insulated)
- Electronic Control Modules: Protects battery from full discharge or over-charge. Protects drill motor and battery from overload if drill bit binds in hole

Standard Accessories

- Adjustable Side Handle
- Integral Depth Gauge
- Cleaning Cloth
- Spray Lubricant
- Blow out Bulb
- Plastic Kit Box

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING

Warning:

When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following:

1. Keep Work Area Clean

Cluttered areas and benches invite injuries.

2. Consider Work Area Environment

Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep work area well lit. Do not use tool in presence of flammable liquids or gasses.

3. Keep Children Away

Do not let visitors contact tool or extension cord. All visitors should be kept away from work area.

4. Store Idle Tools

When not in use, tools should be stored in dry, and high or locked-up place - out of reach of children.

5. Don't Force Tool

It will do the job better and safer at the rate for which it was intended.

6. Use Right Tool

Don't force small tool or attachment to do the job of a heavy duty tool. Don't use tool for purpose not intended.

7. Dress Properly

Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.

8. Use Safety Glasses

Also use face or dust mask if cutting operation is dusty.

9. Secure Work

Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.

10. Don't Overreach

Keep proper footing and balance at all times.

11. Maintain Tools With Care

Keep tools sharp and clean for better and safer performance. Follow instructions for

lubricating and changing accessories. Inspect tool cords periodically and if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.

12. Remove Adjusting Keys and Wrenches

Form a habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.

13. Avoid Unintentional Starting

Don't carry tool with finger on switch.

14. Stay Alert

Watch what you are doing. Use common sense. Do not operate tool when you are tired.

15. Check Damaged Parts

Before further use of the tool any part that is damaged should be carefully checked to determine that it will operate properly and perform its

intended function. Check for alignment of moving parts, mounting, and any other conditions that may affect its operation. Any part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Do not use tool if switch does not turn it on and off.

16. Replacement Parts

When servicing use only identical replacement parts.

17. Wear Ear Protectors

Wear ear protectors when using for extended periods.

Caution

The metal parts of the drill can be made live if the tool drills into wiring. Only the handles of the TE-10A should be contacted when drilling into a wall or other concealed space.

OPERATION INSTRUCTIONS



Battery Connection

Fig. 1 Connect the charged BP10 battery pack to the TE-10A by means of the guide clip and snap lock.

Lubricating the chuck

The chuck is not included in the central lubrication system of the TE-10A. The connection end of the drill bit should, therefore, be cleaned occasionally and sprayed sparingly with Hilti lubricant.



Inserting a drill bit

Fig. 2. Rotate the chuck to the (symbol \uparrow), insert a drill bit so that the grooves on the connection end are aligned with the markings on the chuck. Rotate the chuck to the (symbol \circ) to lock the bit place.



Rotary hammer drilling

Fig. 3. The switch on the underside of the gear housing must be turned to the



Rotary drilling

Fig. 4. The switch on the underside of the gear housing must be turned to the symbol \downarrow .



Side handle

Fig. 5. The side handle can be rotated through 360° and clamped in any desired position.

Setting the depth gauge

Release the depth gauge clamp. Move the depth gauge rod to the required position and press down the clamp again.



Charging the battery pack

Fig. 6. Depress the button on the front side of the battery pack and remove it from the drill.

IMPORTANT

The contact surfaces between the CU10 battery charger and BP10 battery pack must be clean.



Fig. 7. Insert the battery pack in the battery charger. It will be held in place automatically by the clip(s).

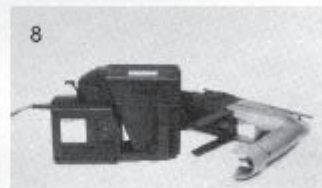


Fig. 8. Connect battery charger to 115 volt power supply. 100% charging time for a fully discharged battery is approx. 2 hours on rapid charge. Rapid charge is indicated by the blinking red light. Once the battery pack is charged, the charger will automatically convert to trickle charge and the red light will glow continuously. The battery can be left on trickle charge indefinitely.

IMPORTANT

Always charge the battery in the upright position and in a well ventilated area. At ambient temperatures under 32°F. and over 120°F. the battery charger automatically converts to trickle charge.



Fig. 9. Depress clip and remove battery pack.

Warranty

This new fastening tool is a quality product of Hilti. It has been developed through study and research into the fastening methods and applications of the building industry and associated trades. Every reasonable precaution has been taken in the manufacture of this tool to assure its compliance with Hilti's standards of high quality. Consultation on the operation and maintenance of the tool is available from our Territory Salesman.

1 Year Limited Warranty: For 1 year from the date of shipment, the original purchaser of the tool will not be charged for the

parts and labor required to correct defects in materials and workmanship provided the tool is returned to Hilti for servicing and inspection, the serial number has not been removed or defaced, only Hilti compatible bits and Hilti parts have been used with the tool, and no unauthorized servicing has been performed. The warranty does not cover normal wear and tear and the cost of shipping and insurance. **This is the only warranty or guarantee made by Hilti and it is given in lieu of all other warranties, including implied warranties of merchantability and of fitness for a particular purpose. Under no**

circumstances will Hilti be obligated for damages, losses or expenses in connection with or by reason of, the use of or inability to use the tool for any purpose.

IMPORTANT BATTERY CHARGER SAFETY INSTRUCTIONS

1. **SAVE THESE INSTRUCTIONS** — This manual contains important safety and operating instructions for the CU10 battery charger.
2. Before using battery charger, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) drill.
3. **CAUTION** — To reduce risk of injury, charge only Battery Pack BP10. Other types of batteries may burst causing personal injury and damage.
4. Do not expose charger to rain or snow.
5. Use of an attachment not recommended or sold by the battery charger manufacturer may result in a risk of fire, electric shock, or injury to persons.
6. To reduce the risk of damage to electric plug and cord, pull by plug rather than cord when disconnecting charger.
7. Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
8. An extension cord should not be used unless absolutely necessary. Use of improper extension cord could result in a risk of fire and electric shock. If extension cord must be used, make sure:
 - (a) That pins on plug of extension cord are the same number, size, and shape as those of plug on charger;
 - (b) That extension cord is properly wired and in good electrical condition; and
 - (c) That wire size is large enough for AC ampere rating of charger as specified in the table.

RECOMMENDED MINIMUM AWG SIZE FOR
EXTENSION CORDS FOR BATTERY CHARGERS

AC Input Rating, Amperes ^a		AWG Size of Cord			
Equal to or greater than	but less than	Length of Cord, Feet			
		25	50	100	150
0	2	18	18	18	16
2	3	18	18	16	14
3	4	18	18	16	14
4	5	18	18	14	12
5	6	18	16	14	12
6	8	18	16	12	10
8	10	18	14	12	10
10	12	16	14	10	8
12	14	16	12	10	8
14	16	16	12	10	8
16	18	14	12	8	8
18	20	14	12	8	6

^a If the input rating of a charger is given in watts rather than in amperes, the corresponding ampere rating is to be determined by dividing the wattage rating by the voltage rating — for example:

$$\frac{1250 \text{ watts}}{125 \text{ volts}} = 10 \text{ amperes}$$

9. Do not operate charger with damaged cord or plug — replace them immediately.
10. Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified serviceman.
11. Do not disassemble charger; take it to a qualified serviceman when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
12. To reduce risk of electric shock, unplug charger from outlet before attempting any maintenance or cleaning. Turning off controls will not reduce this risk.



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