Instruction Manual TE24

Rotary Hammer Drill
3 Wire Grounded Construction

Technical Data
Current: 7.0 Amps
Voltage: 115 Volts AC
Frequency: 50/60 Hz
Full-load speed: 1st speed 0–275 r.p.m.
               2nd speed 0–570 r.p.m.
Percussion: 0–3180 impacts/min.
Single impact energy: 2.2 ft lbs.

Dimensions
Length without bit: 13 3/4"
Height: 7 1/2"
Width: 3 1/2"
Closest hole to corner: 1 1/2"
Weight: 11 lbs.
Cord Length: 12 feet

Features
• Grounded Construction with 3 Wire Power Cord
• Slip Clutch
• Two drilling modes: hammer drilling and drilling only
• 1/2" keyless chuck accepts twist bits for drilling into wood and steel
• Permanent Lubrication
• Three-finger variable speed switch
• Keyless chuck

Safety Instructions
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:

• Chuck locking sleeve
• Adjustable side handle
• Adjustable depth gauge
• 3 Wire Power Cord
• Selector
• Variable speed switch
• Speed selector lever

Capacity
Drill Bit Range:
Concrete/Masonry: 3/8"-1 1/4"
Wood/Plastic: 3/8"-1 1/4"
Steel: 3/8"-1 1/4"
SAVE THESE INSTRUCTIONS

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 gases.

3. Guard Against Electric Shock
   - Prevent body contact with grounded surfaces. For example: pipes, radiators, ranges, refrigerator enclosures.

4. Keep Children Away
   - Do not let visitors contact tool or extension cord. All visitor’s should be kept away from work area.

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

6. Don’t Force Tool
   - It will do the job better and safer at the rate for which it was intended.

7. 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.

8. 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.

9. Use Safety Glasses
   - Also use face or dust mask if cutting operation is dusty.

10. Don’t Abuse Cord
    - Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.

11. Secure Work
    - Use clamps or a vise to hold work. It’s safer than using your hand and it leaves both hands to operate tool.

12. Don’t Overreach
    - Keep proper footing and balance at all times.

13. 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.

14. Disconnect Tools
    - When not in use, before servicing, and when changing accessories, such as blades, bits, cutters.

15. 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.

16. Avoid Unintentional Starting
    - Don’t carry plugged-in tool with finger on switch. Be sure switch is off when plugging in.

17. Outdoor Use Extension Cords
    - When tool is used outdoors, use only extension cords intended for use outdoors and so marked.

18. Stay Alert
    - Watch what you are doing. Use common sense. Do not operate tool when you are tired.

19. 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.

20. Replacement Parts
    - When servicing use only identical replacement parts.

Extension Cords

Use only three-wire extension cords that have three-prong grounding-type plugs and three-pole receptacles that accept the tool’s plug. Use an extension cord heavy enough to carry the current your tool will draw. An undersized cord will cause a drop in voltage, resulting in loss of power and overheating. The following table shows the correct size to use depending on cord length. If in doubt, use the next heavier gauge.

<table>
<thead>
<tr>
<th>Extension Cord Length (feet)</th>
<th>AWG</th>
<th>100 ft.</th>
<th>150 ft.</th>
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Operation – Set up

1. Power Source:
   - Before connecting your TE24 to an outlet, insure that the power supply is 115 volts AC, 50/60 Hz.

Shorten the start-up time at low temperatures by jolting the drill bit briefly against the work surface when starting the TE24.

Operation – Hammer Drilling

1. Insertion of TE-C drill bit:
   - Insert connection end in any position, turn it until the grooves engage and it can be inserted further. Pull back sleeve (1) and push tool as far as it will go. Release sleeve (1). To remove tool, pull back sleeve (1) and take out tool.

Operation – Rotary Drilling

1. Position rotary drill guide:
   - Shift setting lever to indicated rotary drilling position (symbol ‘ ‘).

2. Light-duty chiselling:
   - Using an additional chisel adapter from Hilti, the TE24 can also be used for light chiselling work in individual cases. Never use a chisel in the TE-C chuck. The rotary action could cause accidents and the life of the TE24 will be greatly reduced. Please refer to the separate operating instructions for the chisel adapter.

Rotary Drilling

The TE24 can also be used for rotary drilling using an additional quick-release chuck from Hilti. Change this chuck as shown on Fig. 4.
# TE Bit and Anchor Selector Chart

## Setting Tools (HDI Setting Equipment)

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<th>HDI Anchor</th>
<th>Manual Setting Device</th>
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HST (Hand Setting Tool)

## Anchors

### Bits

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<th>Length</th>
<th>Effective Drilling Depth</th>
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<th>Kwik--HDI Bolt II</th>
<th>Drip-in 1/4 Anchor</th>
<th>HKT 8 1/4 Anchor</th>
<th>Sleeve Anchor</th>
<th>Metal Hit</th>
<th>Plastic Screw Anchor</th>
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## TE-C-GB Cruciform Bits

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Printed: 07.07.2013 | Doc-No: PUB / 5070085 / 000 / 00
Keyless Chuck
Optional chuck for drilling in wood/steel or plastic using smooth shank bits.

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<td>½” Keyless Chuck</td>
<td>Smooth Shank Bits to ½” Diameter</td>
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Bit/Accessory Letter Code: Code = Drill
TE-C (SDS-Plus) = TE10/TE10 A/TE12/TE12 S/TE14/TE17/TE18/
TE-C = TE22/TE22-P/GP 22
* These bits for TE12 S/TE14/TE17/TE18/TE22/TE22-P/GP 22

Servicing
All repairs and adjustments to the Hilti TE 24 including inspection and replacement of brushes, switch, and power cord, should be performed at a Hilti-Repair Center. When servicing use only identical replacement parts, as shown on the parts list.

Preventive maintenance
Check for worn or frayed cord. Keep the air passages for the motor clear of dirt and dust. The TE 24 is permanently lubricated.

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 material 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.