



201672

**TE5A**

# Operating instructions

**HILTI**

# Safety precautions for battery-operated tools

## 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:

### Read all instructions

- 1. Keep Work Area Clean.** Cluttered areas and benches invite injuries.
- 2. Consider Work Area Environment.** 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 visitors 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.
- 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. Not applicable.**
- 11. 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.

- 12. Don't Overreach / Maintain Control.** 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. 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 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 tool with finger on switch. Be sure switch is off when plugging in.
- 17. Not applicable.**
- 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, a guard or other 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, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other 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.
- 20.** Only use accessories and attachments which are given in the operating instructions or in the respective catalogue. The use of accessories or insert tools or attachments other than those specified in the operating instructions can result in personal injury to you.
- 21.** Only have repairs carried out by recognized electrical specialists. This electric tool/machine complies with respective safety regulations. Repairs may only be carried out by an electrical specialist otherwise an accident hazard for the operator can exist.
- 22.** Wear ear protectors when using for extended periods.

- 23.** Always use any supplied side handle, and keep it tightly secured; use both hands during operation. Keep proper footing and balance and don't overreach. Firm control of the tool is necessary should the tool bind.
- 24. Hold Tool by Handle(s) Provided.** Do not touch uninsulated parts of tool when drilling. Exposed metal surfaces may be made live if the tool drills into electrical wiring.
- 25. Replacement Parts.** When servicing use only identical replacement parts.

Please read and take note of these precautions before you use the tool/machine and keep these safety precautions in a safe place!

**SAVE THESE INSTRUCTIONS**

# Hilti TE5A battery-powered rotary hammer

TE5A with BP 40 battery



TE5A with BP 72 battery



## Technical data

Power input:	350 W
Battery capacity:	1.7 Ah 3.0 Ah
Speed under load:	0–820 r.p.m.
Dimensions:	l × h × w
TE5A with BP40 battery	398 × 196 × 77 mm
TE5A with BP72 battery	398 × 196 × 116 mm
Weight of machine:	
TE5A with BP 40 battery	4.2 kg (9.3 lbs)
TE5A with BP72 battery	4.8 kg (10.6 lbs)
Drilling diameter range in concrete:	5–16 mm dia. ( $\frac{3}{16}$ "– $\frac{5}{8}$ "
Recommended diameter range:	5–10 mm dia. ( $\frac{3}{16}$ "– $\frac{5}{8}$ "
Electronic switch (smooth speed adjustment)	
Reversing switch for right/left-hand rotation	
Quick-change chuck interface	
Interface for dust-removal module	
Adjustable side handle with depth gauge	
Choice of two battery types (BP 40, BP 72)	
Battery chargers C 7/24, C 7/36-ACS	
SDS plus chuck	
Safety clutch	
Selector lever for hammer drilling/rotary drilling	
Sealed against dust, permanent lubrication (maintenance free)	
No hammering action when idling	
Right of technical modifications reserved!	

This Product is  
UL listed and CSA certified



Always wear ear protectors.



Always wear protective gloves.



Always wear safety glasses.



### Cleaning the drill bit connection end:

The chuck is not included in the machine's lubrication system. The drill bit connection end should therefore be cleaned at regular intervals and sprayed sparingly with Hilti lubricant spray, which is available as an accessory.

### Electronic switch:



The TE5A's electronic switch is equipped with a temperature sensor designed to protect the switch from overheating. The temperature sensor can become activated within the switch's speed regulation range (from the switch-on point up to just below maximum speed). When the sensor is activated the motor runs with a constant low speed or, when a load is applied, may stop completely (the machine behaves in a similar way when the battery is almost fully discharged).

The temperature sensor can be deactivated by depressing the switch completely (full speed). The TE5A will then run again normally.



## Operation:

### Fig. 1: Inserting the TE-C drill bit

Turn the chuck locking sleeve towards the  symbol and insert the drill bit, turning it until the drive grooves engage and it can be pushed in fully. Lock the chuck by turning the locking sleeve towards the  symbol.

### Fig. 2: Hammer drilling/rotary drilling

**Hammer drilling** in concrete, masonry and natural stone: With the machine running slowly (switch depressed only slightly), move the selection lever to the hammer drilling position (hammer symbol).

**Rotary drilling** in wood and steel: With the machine running slowly (switch depressed only slightly), move the selection lever to the rotary drilling position (drill bit

symbol). When the lever is in this position, only the rotary action is transmitted to the drill bit.

### Fig. 3: Left-hand rotation

The direction of rotation can be reserved by operating the reserving switch. The reversing switch must not be operated while the machine is running – damage to the mechanism could otherwise result.

### Fig. 4: Side handle/depth gauge

The side handle can be pivoted and clamped in any desired position. Release the side handle by turning the grip counter clockwise, set the desired drilling depth with the depth gauge and then lock the side handle in position by turning the grip in a clockwise direction.

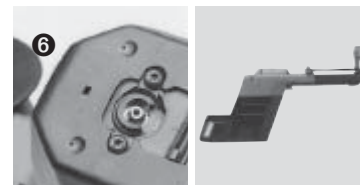
### Fig. 5: Changing the chuck

Pull the sleeve forwards to remove the chuck as a complete unit. When refitting the chuck, pull the sleeve forwards and hold it in position. Slide the chuck onto the guide as far as it will go and release the sleeve. Rotate the chuck until the sleeve snaps back into position.

Note: When the key-type chuck or quick-release chuck is fitted, the hammering action cuts out automatically (rotary drilling only). To insert a drill bit with a cylindrical connection end, open the key-type chuck to the required diameter, insert the drill bit as far as it will go and tighten the chuck using the key.

### Fig. 6: Interface for dust removal module

All TE5A battery-powered rotary hammers can be equipped with the TE5-DRS dust removal module, which can be attached to the battery-powered rotary hammer quickly and without the use of tools. **The cover on the base of the TE5A (at the motor endcap) must be opened before attaching the dust removal module!**





**Fig. 7: Removing the battery**

Press the release buttons on the sides of the BP40 or BP72 battery and pull it out of the battery compartment.



**Fig. 8: Inserting the battery**

Remove the protective cap from the battery. Push the battery into the battery compartment as far as it will go, and it is heard to click into place (double click – engages at two points).



**Fig. 9: Charging the battery**

Remove the protective cap from the battery. Insert the battery into the charger's battery compartment. The battery must engage securely in the charger. Please refer to the C7/24 and C7/36-ACS operating instructions for a description of the charging procedure.

## Servicing

Electric tools must comply with the applicable safety regulations. Servicing must be carried out only by trained electrical specialists. The use of original Hilti spare parts ensures optimum safety.

## Warranty

Hilti warrants that the tool supplied is free of defects in material and workmanship. This warranty is valid so long as the tool is operated and handled correctly, cleaned and serviced properly and in accordance with the Hilti Operating Instructions, all warranty claims are made within 12 months from the date of the sale (invoice date), and the technical system is maintained. This means that only original Hilti consumables, components and spare parts may be used in the tool. This warranty provides the free-of-charge repair or replacement of defective parts only. Parts requiring repair or replacement as a result of normal wear and tear are not covered by this warranty.

**Under no circumstances will Hilti be obligated for direct, indirect, incidental or consequential damages, losses or expenses in connection with, or by reason of, the use of, or inability to use the tool for any purpose. Hilti specifically excludes the implied warranties of merchantability and fitness for a particular purpose.**

For repair or replacement, send tool and/or related parts immediately upon discovery of the defect to the address of the local Hilti marketing organization provided.

This constitutes Hilti's entire obligation with regard to warranty and supersedes all prior or contemporaneous comments and oral or written agreements concerning warranties.

## Garantie

Hilti garantit l'appareil livré contre tous vices de matière ou de fabrication. Cette garantie est octroyée à condition que l'appareil soit utilisé et manié correctement, nettoyé et révisé dans les règles, conformément au mode d'emploi Hilti, que toutes réclamations concernant la garantie devront être adressées dans les 12 mois à compter de la date de vente (de la date de la facture) et que le système technique soit maintenu, c.-à-d. sous réserve d'utilisation exclusive dans l'appareil de consommables, composants et de pièces de rechange d'origine Hilti.

La garantie se limite rigoureusement à la réparation gratuite ou au remplacement gracieux des pièces défectueuses. Elle ne couvre pas les pièces soumises à une usure normale.

**Toutes autres prétentions sont exclues, pour autant que des dispositions légales nationales impératives ne s'y opposent pas. En particulier, Hilti ne saurait être tenu responsable, en aucune circonstance, de toutes détériorations, pertes ou dépenses directes, indirectes, accidentelles ou consécutives, en relation ou à cause de l'utilisation ou de l'incapacité à utiliser l'appareil pour quelque but que ce soit. Hilti exclut en particulier les garanties implicites concernant la commercialisation et l'aptitude pour un but bien précis.**

Pour toute réparation ou tout échange, renvoyer l'appareil et/ou les pièces concernées à l'adresse de votre Organisation de Vente Hilti la plus proche, immédiatement après découverte du défaut.

Telles sont les seules obligations d'Hilti en matière de garantie, lesquelles annulent toutes déclarations antérieures ou contemporaines de même que tous accords oraux ou écrits concernant les garanties.

## Garantía

Hilti garantiza el aparato suministrado contra todo vicio de material o de fabricación. Esta garantía se otorga a condición de que el aparato sea utilizado, manejado, limpiado y revisado correctamente en conformidad con el modo de empleo Hilti, de que todas las reclamaciones relacionadas con la garantía sean dirigidas en los 12 meses a contar desde la fecha de venta (de la fecha de facturación) y de que el sistema técnico sea mantenido, es decir a reserva de utilización exclusiva en el aparato de consumibles, componentes y piezas de recambio de origen Hilti.

La garantía se limita rigurosamente a la reparación o al reemplazamiento gratuito de las piezas defectuosas. Ella no cubre las piezas sometidas a un desgaste normal.

**Hilti no acepta responsabilidad, en ninguna circunstancia, en relación con deterioros, pérdidas o gastos directos, indirectos, accidentales o consecutivos, en relación con – o a causa de – la utilización o de incapacidad de utilizar el aparato para alguna finalidad, cualquiera que sea la misma. Hilti excluye en particular todas las garantías implícitas relacionadas con la comercialización y la aptitud para una finalidad bien precisa.**

Para toda reparación o recambio, les rogamos envíen el aparato y/o las piezas en cuestión a la dirección de su Organización de Venta Hilti más cercana, inmediatamente tras descubrimiento del defecto.

Estas son las únicas obligaciones de Hilti en materia de garantía, las cuales anulan toda declaración anterior o contemporánea, del mismo modo que todo acuerdo oral o por escrito en relación con las garantías.

## USA

Hilti, Inc.  
5400 South 122<sup>nd</sup> East Avenue  
Tulsa, Oklahoma 74146  
Telephone (918) 252-6000

## CANADA

Hilti (Canada) Limited / Limitée  
6790 Century Avenue, Suite 300  
CDN - Mississauga, Ontario L5N 2V8  
Telephone (905) 813 9200

## LATIN AMERICA

Hilti Latin America, Ltd.  
5400 South 122<sup>nd</sup> East Avenue  
P. O. Box 21 148  
Tulsa, Oklahoma 74146  
Telephone (918) 252-6595