



312482

**TE 35**

# Operating instructions

**HILTI**

# General safety rules

## 1. WARNING!

### Read and understand all instructions.

Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

## SAVE THESE INSTRUCTIONS

### 2. Work Area

2.1 **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.


2.2 **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.

2.3 **Keep bystanders, children and visitors away while operating a power tool.** Distractions can cause you to lose control.

### 3. Electrical Safety

3.1 **Grounded tools must be plugged into an outlet properly installed and grounded in accordance with all codes and ordinances. Never remove the grounding prong or modify the plug in any way. Do not use any adaptor plugs. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded.** If the tools should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user.

Applicable only to Class I (grounded) tools.

3.2 **Double insulated tools are equipped with a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way.** Double insulation  eliminates the need for the three-wire grounded power cord and grounded power supply system.

Applicable only to Class II tools.

3.3 **Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is

an increased risk of electric shock if your body is grounded.

3.4 **Don't expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.

This instruction need not be provided for tools classified watertight or splashproof.

3.5 **Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately.** Damaged cords increase the risk of electric shock.

3.6 **When operating a power tool outside, use an outdoor extension cord marked «W-A» or «W».** These cords are rated for outdoor use and reduce the risk of electric shock.

### 4. Personal Safety

4.1 **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.

4.2 **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts.

4.3 **Avoid accidental starting. Be sure switch is off before plugging in.** Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.

4.4 **Remove adjusting keys or wrenches before turning the tool on.** A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.

4.5 **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.

4.6 **Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat or hearing protection must be used for appropriate conditions.

### 5. Tool Use and Care

5.1 **Use clamps or other practical way to secure and support the workpiece to a stable platform.** Holding the workpiece by hand or against your body is unstable and may lead to loss of control.

5.2 **Do not force tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.

5.3 **Do not use tool if switch does not turn it on or off.** Any tool that cannot be controlled with the switch is dangerous and must be repaired.

5.4 **Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.

5.5 **Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.

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

5.7 **Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the tools operation. If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.

5.8 **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool may become hazardous when used on another tool.

### 6. Service

6.1 **Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.

6.2 **When servicing a 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 electric shock or injury.

### Additional Specific Safety Rules:

101 **Hold tools by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord.** Contact with a «live» wire will make exposed metal parts of the tool «live» and shock the operator.

102 **Wear ear protectors when using the tool for extended periods.** Prolonged exposure to high intensity noise can cause hearing loss.

# Hilti TE35 Combihammer



Double insulation

## Technical data

Input power:	830 W
Voltage (versions):	120 V
Input current:	7.2 A
Frequency:	50–60 Hz
Weight of machine:	4.95 kg / 10.9 lbs
Dimension:	460×110×200 mm / 18.1"×4.3"×1.9"
Speed under load:	0–620 r.p.m.
Hammering under load:	0–3720 blows/min.
Single impact energy:	3.8 Joules / 2.8 ft. lbs
Drilling diameter range in concrete:	6–40 mm dia. / 1/4"–1 1/2" dia.
Recommended diameter range:	12–25 mm dia. / 1/2"–1" dia.
Drilling performance in medium-grade concrete with 16 mm dia. drill:	up to 60 cm <sup>3</sup> /min. $\Delta$ 300 mm/min.
TE-T-T drill bit:	12–32 mm dia. / 1/2"–1 1/4" dia.
TE-T-GB drill bit:	40 mm dia. / 1 1/2" dia.
TE-T-BK percussion core bit:	50–90 mm dia. / 2"–3 1/2" dia.
Chuck type:	TE-T
Quick-release chuck for drill bits for wood and steel	
Chisels: pointed, flad, wide-flat, channel, mortar and joint chisels	
Automatic cut-out brushes	
Double insulation construction	
With slip clutch	
Dust-tight enclosure, central lubrication	
Variable speed switch	
Side handle adjustable with depth gauge	
Right of technical modifications reserved	



Always wear ear protectors.



Always wear protective gloves.



Always wear safety glasses.

This Product is UL listed and CSA certified



**Do not use this product in any way other than as directed by these operating instructions. The respective regulations of your trade association and the enclosed safety precautions must be observed.**

**The operating instructions should always be kept with the machine!**

## Please note before start-up

When in operation, the machine should be held securely with both hands on the grips provided. Always ensure that you work from a secure stance.

1. The electric supply must comply with the data printed on the machine's rating plate.
2. This machine is double insulated and is not to be grounded.
3. Do not exert undue pressure on the machine. This will not increase its performance. Just position the bit and guide it.

### Read the enclosed general safety rules.

#### Lubrication of chuck

The chuck is not incorporated in the lubricating system of the machine. The drill bit connection end, therefore, must be cleaned regularly and lubricated sparingly with Hilti grease.

**Note: The use of TE-C chisels is not recommended.**

## Operating:

#### Fig. 1: Insertion of drill bit

Turn chuck to the left (symbol  $\langle \rangle$ ). Insert drill bit in any position until resistance is felt. Then turn it until it moves in farther. Turn chuck to right and lock drill bit in place (symbol  $\langle \circ \rangle$ ).

#### Fig. 2: Rotary hammer drilling

Rotary hammer drilling in concrete, masonry and natural stone. Press the red lockbutton on the switching lever. Turn the switching lever to the "rotary hammer drilling" position (symbol  $\langle \circ \rangle$ ) until the lockbutton engages.

#### Fig. 3: Drilling without hammering action

Press the red lockbutton on the switching lever. Turn the switching lever to the "rotary drilling"

position (symbol  $\langle \circ \rangle$ ) until the lockbutton engages. In this position, the insert tool simply rotates with no hammering action.

#### Fig. 4: Chisel adjustment

Press the red lockbutton on the switching lever. Turn the switching lever to the "chisel adjustment" position (symbol  $\langle \circ \rangle$ ) until the lockbutton engages.

#### Fig. 5: Chiselling function

Secure the chisel in the desired position and select the chiselling function. Press the red lockbutton on the switching lever. Turn the switching lever to the "chiselling" position (symbol  $\langle \circ \rangle$ ) until the lockbutton engages.

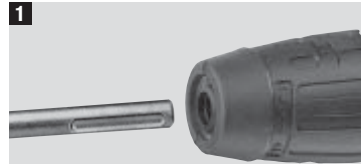
#### Fig. 6: Changing the chuck

Turn chuck to the left (symbol  $\langle \rangle$ ). Pull the sleeve forward and completely remove chuck. When attaching chuck, pull the sleeve forward and hold it there. Slide chuck onto guide tube as far as it will go. Release sleeve. Turn chuck until steel balls snap into place.

**Note:** When a quick-release chuck is used, the hammering action is not transmitted to the insert tool (drilling without hammering action). However, for smoother running with less vibration it is recommended that the "drilling without hammering action" position (fig. 3) is selected.

#### Fig. 7: 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.



## Manufacturer's warranty – tools

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, 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 over the entire lifespan of the tool. Parts requiring repair or replacement as a result of normal wear and tear are not covered by this warranty.

**Additional claims are excluded, unless stringent national rules prohibit such exclusion. In particular, Hilti is not 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. Implied warranties of merchantability or fitness for a particular purpose are specifically excluded.**

For repair or replacement, send tool 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 constructeur des appareils

Hilti garantit l'appareil contre tout vice de matières et de fabrication. Cette garantie s'applique à condition que l'appareil soit utilisé et manipulé, nettoyé et entretenu correctement, en conformité avec le mode d'emploi Hilti, et que l'intégrité technique soit préservée, c'est-à-dire sous réserve de l'utilisation exclusive de consommables, accessoires et pièces de rechange d'origine Hilti.

Cette garantie se limite strictement à la réparation gratuite ou au remplacement gracieux des pièces défectueuses pendant toute la durée de vie de l'appareil. Elle ne couvre pas les pièces soumises à une usure normale.

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

Pour toute réparation ou tout échange, renvoyer l'appareil ou les pièces concernées au réseau de vente Hilti compétent, sans délai, dès constatation du défaut.

La présente garantie couvre toutes les obligations d'Hilti et annule et remplace toutes les déclarations antérieures ou actuelles, de même que tous accords oraux ou écrits concernant des garanties.

## Garantía del fabricante de las herramientas

Hilti garantiza la herramienta suministrada contra todo fallo de material y de fabricación. Esta garantía se otorga a condición de que la herramienta sea utilizada, manejada, limpiada y revisada en conformidad con el manual de instrucciones de Hilti, y de que el sistema técnico sea salvaguardado, es decir, que se utilicen en la herramienta exclusivamente consumibles, accesorios y piezas de recambio originales de Hilti.

Esta garantía abarca la reparación gratuita o la sustitución sin cargo de las piezas defectuosas durante toda la vida útil de la herramienta. La garantía no cubre las piezas sometidas a un desgaste normal. Hilti será quien defina cuál es el periodo de vida útil de la herramienta, fijando este plazo siempre por encima de lo que marque la ley vigente

**Quedan excluidas otras condiciones que no sean las expuestas, siempre que esta condición no sea contraria a las prescripciones nacionales vigentes. Hilti no acepta la responsabilidad especialmente en relación con deterioros, pérdidas o gastos directos, indirectos, accidentales o consecutivos, en relación con la utilización o a causa de la imposibilidad de utilización de la herramienta para cualquiera de sus finalidades. Quedan excluidas en particular todas las garantías tácitas relacionadas con la utilización y la idoneidad para una finalidad precisa.**

Para toda reparación o recambio, les rogamos que envíen la herramienta o las piezas en cuestión a la dirección de su organización de venta Hilti más cercana inmediatamente después de la constatación 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 todos los acuerdos orales o escritos en relación con las garantías.

# Hilti Corporation

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