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**TE 25**

# **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.

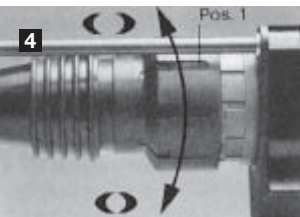
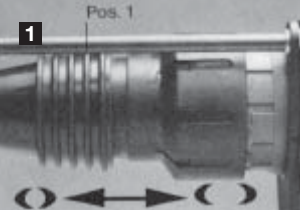
**6.2 When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual.** Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury.

### 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 TE 25 Rotary Hammer Drill



This Product is  
UL listed and CSA certified



## Technical data

Input power:	830 W
Voltage (versions):	120 V, 230 V
Input current:	7.2 A, 3.8 A
Frequency:	50–60 Hz
Machine weight:	4,9 kg
Speed under load:	1 <sup>st</sup> speed 0–310/min. 2 <sup>nd</sup> speed 0–640/min.
Hammering under load:	0–3720 impacts/min.
Single impact energy:	3.8 Joule
Drill bits for concrete:	5–38.5 mm dia.
Recommended diameter range:	12–20 mm dia.
Drilling performance in medium-grade concrete:	12 mm dia. = 50 cm <sup>3</sup> /min. = 440 mm/min. 16 mm dia. = 60 cm <sup>3</sup> /min. = 300 mm/min.
TE-CX/C drill bit	5–17.5 mm dia.
TE-C-S drill bit	18–28 mm dia.
TE-C-GB drill bit	30–38.5 mm (1 1/2")
TE-C-BK percussion core bit	66–90 mm dia.
TE-C-HB bit for concrete forms	10–35 mm dia.
Chuck type:	TE-C
Automatic cut-out brushes	
Double insulation, class II	
Slip clutch for protection against overloading and accidents	
Dust-tight enclosure; permanent lubrication (maintenance free)	
Variable speed control switch	
Adjustable side handle with depth gauge	
Right of technical modifications reserved	



Double Insulation



Always wear ear protectors.



Always wear protective gloves.



Always wear safety glasses.

**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!**

## Remember before starting to work:

When working with the machine, it must be held two hands. Always make sure that you have a safe stance / foothold.

1. The electric supply must be the same as given on the TE25 nameplate.
2. The TE 25 is double insulated and **must not**, therefore, **be grounded** (earthed).
3. Applying excessive pressure will not increase the TE25's performance. Just position the bit and guide it into the hole.
4. Check that you have set the right speed.

### Please refer to the enclosed safety precautions.

**Clean the drill bit:** The chucks is not incorporated in the lubricating system of the TE 25. Drill bit connection ends must therefore be cleaned regularly and sprayed sparingly with Hilti lubricant.

**Shorten the start-up time at low temperatures** by jolting the drill bit briefly against the work surface when starting the TE 25.

## Operation:


### Fig. 1: Insertion of TE-C-drill bit/tool

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.



### Fig. 2: Rotary hammer drilling

To hammer drill into concrete, masonry and stone, shift setting lever to indicated rotary hammer drilling position (symbol ).

### Fig. 3: Rotary drilling only

Shift setting lever to indicated rotary drilling only position (symbol ). At this setting, only the rotary action is transmitted to the drill bit.

### Fig. 4: Changing the chuck

Turn sleeve (1) to right (symbol ) and take off complete chuck. When attaching chuck, press on until it touches striker. Turn sleeve (1) to left (symbol ) and lock. Always make sure the chuck is locked properly.

### Fig. 5: Selecting the correct speed

If the wrong speed is selected, the life of the TE25 and drill bit/tool will be shortened. Select the correct speed, as shown in the following table: 1 = low r.p.m., 2 = high r.p.m.

### Don't change speeds while the TE 25 is under load.

Recommended speeds:	1 <sup>st</sup> speed:	2 <sup>nd</sup> speed:
TE-CX/C Drill bit	0-310/min.	0-640/min.
TE-C-BK Percussion core bit	22-38.5 mm dia.	5-20 mm dia.

### Light-duty chiselling:

Using an additional chisel adaptor from Hilti, the TE 25, can also be used for light chiselling work individual cases. Never use a chisel in the TE-C chuck. The rotary action could cause accidents and the life of the TE 25 will be greatly reduced. Please refer to the separate operating instructions for the chisel adaptor.

### Rotary drilling:

The TE25 can also be used for rotary drilling using an additional quick-release chuck from Hilti. Change procedure: a) put quick-release chuck onto striker; b) turn chuck until it snaps into the double spline; c) lock as shown by photo 4.

### Servicing:

**Electric tools comply with respective safety regulations. Servicing must, therefore, be carried out only by qualified electrical specialists. For your safety, only use original Hilti spare parts.**

## Double insulation:

The Hilti TE25 Hammer Drill is double-insulated for extra operator protection. The tool is equipped with a two-wire cord and two-prong plug which can be used on standard 115 volts outlets. No grounding of the tool is necessary.

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