

7 Operation



DANGER

Hold the power tool by insulated gripping surfaces only, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

WARNING

Do not use the power tool if it starts with a jolt. This may be an indication that the electronic control unit is defective. Have the power tool repaired by Hilti Service immediately.

CAUTION

The power tool and the cutting operation generate noise. **Wear ear protectors.** Exposure to noise can cause hearing loss.

CAUTION

The cutting operation may cause dangerous splinters. Splintering material presents a risk of injury to the eyes and body. **Wear eye protection and a hard hat.**

CAUTION

The direction of advance is important. The power tool must always be advanced with the guide wheels ahead and in contact with the material being cut. There is otherwise a risk of kick-back.

WARNING

The electric supply voltage must comply with the information given on the type identification plate on the power tool.

CAUTION

The cutting disc and parts of the power tool may get hot through use. There is a risk of burning your hands. **Wear protective gloves.** Touch the power tool only at the grips provided.

CAUTION

Use clamps or a vice to hold the workpiece securely.

WARNING

Slits cut in loadbearing walls of buildings or other structures may influence the statics of the structure, especially when steel reinforcing bars or load-bearing components are cut through. **Consult the structural engineer, ar-**

chitect, or person in charge of the building project before beginning the work.

7.1 Working with the power tool

Take care to ensure that the closed side of the guard is always positioned toward the operator's body. Adjust the position of the guard (hood) to suit each cutting application.

7.2 TPS theft protection system (optional)

NOTE

The power tool may be equipped with the optional theft protection system. If the power tool is equipped with this feature, it can be unlocked and made ready for operation only with the corresponding TPS key.

7.2.1 Unlocking the power tool

1. Plug the supply cord into the power outlet. The yellow theft protection indicator LED blinks. The power tool is then ready to receive the signal from the TPS key.
2. Hold the TPS key against the lock symbol. The power tool is unlocked as soon as the yellow theft protection indicator LED no longer lights.

NOTE If, for example, the electric supply is briefly interrupted due to a power failure or disconnected when moving to a different workplace, the power tool remains ready for operation for approx. 20 minutes. In the event of a longer interruption, the TPS key must be used again to unlock the power tool.

7.2.2 Activation of the tool's theft protection system

NOTE

Further detailed information on activation and use of the theft protection system can be found in the operating instructions for the theft protection system.

7.3 Switching on

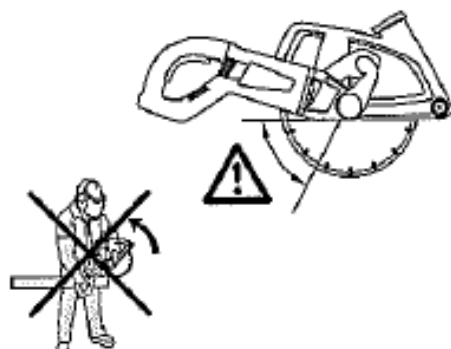
1. Plug the supply cord into the power outlet.
2. Always hold the tool securely with both hands on the grips provided.
3. Unlock the on / off switch by pressing the switch-on interlock release button.
4. Press the on / off switch.
5. Reposition your thumb around the rear grip.

7.4 Switching off

Release the on / off switch.

The tool stops after the on / off switch is released. The switch-on interlock is re-activated.

7.5 Working with cutting discs



DANGER

To reduce the risk of kick-back, avoid bringing the cutting tool into contact with the material in the area indicated.

DANGER

Wherever possible, bring the wheels into contact with the workpiece before starting the cut. Take extra care in situations where this is not possible or where the cutting disc is inserted in an existing cut.

1. When cutting mineral materials, first bring the tool's guide wheels into contact with the object to be cut.
2. Allow the power tool to reach full speed.

3. Apply pressure to the power tool so that the cutting disc is pressed into the material slowly. This ensures that particles and sparks generated by the cutting operation are caught by the hood and extracted by the dust removal system.

NOTE Apply moderate pressure, adjusting the rate of advance to suit the material being cut.

NOTE The diamond disc may overheat and suffer damage when cutting very hard mineral materials, e.g. concrete with a high hard pebble content. A trail of sparks right round the circumference of the diamond cutting disc is a sure indication of this. Should this occur, stop cutting and cool the disc by allowing the tool to run under no load.

A drop in the rate of cutting progress can be an indication of "blunt" (polished) diamond segments. The segments can be resharpened by making a few cuts in an abrasive material (Hilti sharpening plate or sand-lime block).

7.6 Using a suitable vacuum cleaner for working on mineral materials

NOTE

Please read the operating instructions for the vacuum cleaner for information about disposal of the material collected.

Dust can be kept to a minimum when working by using a suitable vacuum cleaner (such as the Hilti VCD 50). Use of a vacuum cleaner also helps to cool the segments on the disc and thus reduces segment wear. In order to avoid electrostatic effects, a vacuum cleaner equipped with an antistatic hose should be used.