Caution: The following fundamental safety precautions must always be observed when using electric tools/machines as protection against and electric shock, the risk of injury and fire hazards. Please read and take note of these precautions before you use the tool/machine. Keep these safety precautions in a safe place!

1 Keep your place of work clean and tidy. Disorder where you are working creates a potential risk of accidents.

2 Make allowance for influence from the surroundings. Don't expose your electric tools/machines to rain. Don't use electric tools/machines in damp or wet surroundings. Make sure the work area is well lit. Don't use electric tools/ machines near inflammable liquids or gases.

3 Always protect yourself against electric shock. Never touch grounding (earthing) parts e.g. pipes, radiators, cookers, ovens, refrigerators.

4 Keep children away. Don't let other persons touch the electric tool/machine or supply cord. Keep them away from your work area.

5 Keep your electric tool/machine in a safe place. Electric tools/machines not in use should be kept in a dry locked-up place out of the reach of children.

6 Don't overload your electric tools/machines. You will do your work better and safer in the specified performance/rating range.

7 Always use the right electric tool/machine for the job. Don't use underpowered tools/machines or attachments for heavier duty jobs. Don't use electric tools/ machines for work and purposes for which they are not intended, e.g. don't use a hand-held circular saw to cut down trees or cut up branches.

8 Wear suitable clothing. Don't wear loose clothing or jewellery – they could be caught up in moving parts. When working outside, the use of rubber gloves and non-slip shoes is recommended. Wear a helmet or cap if you have long hair.

9 Always wear protective goggles. If work causes dust, wear a mask as well.

10 Don't use the supply cord for any other purpose. Don't carry the electric tool/ machine by the supply cord and don't pull the plug out of the socket/receptacle by pulling the supply cord. Protect the cable from heat, oil and sharp edges.

11 Secure the workpiece. Use a clamping device or vice to hold the workpiece. It is secured more reliably in this way than in your hand and you can then hold and operate your electric tool/machine with both hands.

12 Don't bend over too far when working. Avoid an unusual stance. Make sure that you are standing firmly and keep your balance at all times.

13 Take good care of your electric tools/machines. Keep the drill bits, insert tools etc. sharp and clean so that you can do your work better, safer and more reliably. Observe the cleaning and maintenance regulations and the instructions for changing drill bits, insert tools etc. Check the supply cord regularly and have it renewed by a recognized specialist if it is damaged. Check the extension supply cord regularly and, if it is damaged, replace it. Keep grips and side handles dry and free from oil or grease.

14 Always pull out the plug from the mains if the electric tool/machine is not in use, prior to cleaning and maintenance work and when changing a drill bit, saw blade or insert tools of any kind.

15 Never leave a key in place. Always check before switching on that the key or adjusting tools have been removed.

16 Avoid any unintentional start-up. Never carry a plugged-in electric tool/machine with your finger on the switch. Always make sure that the switch is off when plugging the electric tool/machine into the main electric supply.

17 If an extension supply cord is used outside, only use one which has been approved for the purpose and is correspondingly marked.

18 Be attentive at all times. Keep your eye on your work. Remain in a sensible frame of mind and don't use the electric tool/machine if you cannot concentrate completely.

19 Check your electric tool/machine for damage. You must check the safety devices or damaged parts carefully for perfect functioning in keeping with the intended purpose before using the electric tool/machine further. Check whether the moving parts function properly, whether they aren't sticking, whether any parts are broken, whether all other parts work properly and are fitted correctly, and make sure that all other conditions which can influence operation and running of the electric tool/machine are as they should be. Damaged guards and protective devices and parts must be repaired properly by an authorized service workshop or replaced provided that nothing else is stated in the operating instructions. Damaged switches must also be replaced in the recognized service workshop. Never use electric tools/machines which cannot be switched on and off by the switch.

20 Caution ! For your own safety's sake, only use accessories and attachments which are specified 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 Connect dust extraction equipment. If devices are provided for the connection of dust extraction and collection facilities ensure these are connected and properly used.

23 Locking the chuck: Check that insert tools (chisels, drill bits) are properly secured in the chuck.

24 When working on electrically conductive materials, conductive dust may collect inside an electric tool, causing leakage of electric voltage and a possible risk of electric shock. Work of this kind, for example, includes grinding cast iron, chiselling or other operations using impact tools on solid metal, overhead drilling in metal and, under certain conditions, drilling through steel reinforcement in concrete ceilings. Electric tools or machines used for applications of this kind must be inspected at regular, short intervals by a recognised specialist or at a Hilti service workshop in order to ensure that no hazardous deposits of conductive dust are present inside the tool and to confirm the integrity of the tool's electrical insulation.

Please keep these safety precautions in a safe place.

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 may not be grounded (earthed).

3. Do not exert undue pressure on the machine. This will not increase its performance. Just position the bit and guide it into the hole.

Read the enclosed Safety Precautions.

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 ( )). 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 ( )).

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) 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) 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) 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) until the lockbutton engages.

Fig. 6: Changing the chuck
Turn chuck to the left (symbol ( )). Pull forward sleeve and completely remove chuck. When attaching chuck, pull forward sleeve and hold it there. Press chuck onto guide tube as far as it will go. Release sleeve. Turn chuck until steel balls snap into place.
Note: When a key-type chuck or 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.

Warranty

Hilti warrants that the tool supplied is free of defects in material and workmanship. This warranty is valid as 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.
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 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.

5


6


7