



# DRILLING AND DEMOLITION SAFETY

## Toolbox Talk



### General safety instructions

To start with this toolbox-talk we recommend to obey the following points: Read all safety warnings and all instructions and observe all safety instructions in documentation provided by manufacturers and on the device itself. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. And save all warnings and instructions for future reference.

#### General safety instructions when working with a drilling or demolition power tool:

- Wear ear protectors. Exposure to noise can cause hearing loss.
- Use auxiliary handles if supplied with the tool; loss of control can cause personal injury.
- Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring. Cutting accessory contacting a “live” wire may make exposed metal parts of the power tool “live” and could give the operator an electric shock.

### Rotary hammer safety instructions

#### Personal safety

- You and any other person in the vicinity must wear suitable protective glasses, a hard hat, ear defenders, protective gloves and light respiratory protection while using the power tool.
- Before starting work, check the hazard class of the dust that will be produced when working. Use an industrial vacuum cleaner with an officially approved protection class in compliance with the locally applicable dust protection regulations. Dust from materials such as lead-based paint, certain types of wood and concrete/masonry/stone containing quartz, minerals or metal can be harmful to health.
- Always hold the power tool with both hands on the grips provided. Always use the side handle on the Hilti rotary hammer drill, even when the dust removal module is fitted. Keep the grips clean and dry. Loss of control can cause personal injury, especially in the case of a kick-back of the tool.
- Take breaks and do physical exercises to improve the blood circulation in your fingers. Exposure to vibration during long periods of work can lead to disorders of the blood vessels and nervous system in the fingers, hands, and wrists.
- Wear eye protection. Flying fragments present a risk of injury to the body and eyes.
- Use the product only when it is in technically faultless condition.
- Never tamper with or modify the power tool in any way.
- Apply appropriate safety measures at the opposite side of the workpiece in work that involves breaking through. Parts breaking away could fall out and/or fall down causing injury to other persons.
- Avoid touching rotating parts–risk of injury!
- Wear protective gloves also when changing the accessory tool. Touching the accessory tool presents a risk of injury (cuts or burns).
- Use respiratory protection to keep residual dust away from the face and airways when drilling and when servicing the tool or accessories.

- Make sure that the workplace is well ventilated and, where necessary, wear a respirator appropriate for the type of dust generated. Contact with or inhalation of the dust can cause allergic reactions and/or respiratory or other diseases to the operator or bystanders. Certain kinds of dust such as oakwood and beechwood dust are classified as carcinogenic, especially in conjunction with additives for wood conditioning (chromate, wood preservative). Only specialists are permitted to handle material containing asbestos.
- Hold the power tool by the insulated gripping surfaces when performing work in which the accessory tool might come into contact with concealed wiring. If the accessory tool comes in to contact with a live wire, metal parts of the power tool can also become live, resulting in an electric shock.

## Electrical safety; careful handling and use of batteries

Before beginning work, check the working area for concealed electric cables, gas pipes and water pipes. External metal parts of the power tool can become live, presenting a risk of electric shock, if you accidentally damage an electric cable.

### Careful handling and use of batteries:

- Do not expose batteries to high temperatures, direct sun light or fire.
- Do not take apart, squash or incinerate batteries and do not subject them to temperatures over 80°C.
- Do not attempt to charge or continue to use damaged batteries.
- If the battery is too hot to touch, it may be defective. In this case, place the power tool in a non-flammable location, well away from flammable materials, where it can be kept under observation and left to cool down. Contact Hilti Service after the battery has cooled down.
- Observe the special guidelines applicable to the transport, storage and use of lithium ion batteries.

### Power tool use and care:

- Immediately switch off the power tool if the accessory tool jams. The power tool might twist off-line.
- Wait until the power tool stops completely before you lay it down.

Everything above regarding the safe usage of rotary hammers is also relevant and applies for demolition hammers. However, there are some additional points that need to be considered to work safely with this tool type. We'll now focus on demolition hammers and relevant safety information to consider before starting the work.

## Demolition hammer safety instructions

### Personal safety

- Check that the side handle is fitted correctly and tightened securely. Always hold the tool securely with both hands on the grips provided. Keep the grips dry, clean and free from oil and grease.
- The tool is not intended for use by debilitated persons who have received no special training.
- Keep the power tool out of reach of children.
- Approval must be obtained from the site engineer or architect prior to beginning the work. Work on buildings and other structures may influence the statics of the structure, especially when steel reinforcing bars or load-bearing components are cut through.

### Electrical safety

- Check the power tool's supply cord at regular intervals and have it replaced by a qualified specialist if found to be damaged. If the power tool's supply cord is damaged it must be replaced with a specially prepared and approved supply cord available from Hilti Customer Service. Check extension cords at regular intervals and replace them if found to be damaged. Do not touch the supply cord or extension cord if it is damaged while working. Disconnect the supply cord plug from the power outlet. Damaged supply cords or extension cords present a risk of electric shock.
- Dirty or dusty power tools that have been used frequently for work on conductive materials should be checked at regular intervals at a Hilti Service Center. Dust (especially dust from conductive materials) or dampness adhering to the surface of the power tool may, under unfavorable conditions, lead to electric shock.
- Switch the power tool off and unplug the supply cord in the event of a power failure or interruption in the electric supply. This will prevent accidental restarting when the electric power returns.

