



Redistributed under licence from HAE by Power Tool Rentals Ltd. Licence expires on 30/06/2017

UNLOADING

- 1. The tool must always be unloaded: when a misfire occurs; when you have finished work even if only for a short time; before changing, adjusting or cleaning the cartridge hammer.
2. To unload, pull the cartridge magazine out from the top of the magazine housing.
3. To unload a fresh magazine that is not visible through the top of the magazine housing, carefully and safely rotate the cocking lever once or twice.
4. Each operation of the cocking lever will advance the magazine by one cartridge.
5. When the Hilti DX450 is not in use it must be stored securely and safely in its box.

USING THE CARTRIDGE HAMMER

- 1. Wear your protective equipment including ear defenders and goggles.
2. Use both hands to hold and fire the cartridge hammer.
3. Do not indulge in any horseplay or irresponsible behavior while using, or working near, the cartridge hammer.
4. Never carry cartridges loose in a pocket. Do not carry them loose in a box with metal fasteners.
5. Do not carry a loaded hammer from place to place.
6. Do not use the cartridge hammer on brittle surfaces, like glass, plastics,

glazed tiles or cast steel, they will crack or shatter.

- 7. Do not use this hammer on plasterboard or partitioning. Use it only on a structural steel, masonry or similar material. Do not use it on modern house bricks, they will shatter.
8. Do not try to use on an existing hole in the material you are fastening. Always move to a new position.
9. Do not try to use on top of old, or broken, fastenings. It could cause distortion or mislocation. It could be dangerous.
10. As a safety measure the hammer will not fire until the muzzle is pressed home against the work piece before pulling the trigger.
11. Clean and lubricate this hammer regularly.
12. After approximately 3000 fixings the Hilti DX450 should be returned to the hire company for thorough cleaning and servicing.
13. When you have finished work, unload and clean the cartridge hammer and store it and the cartridges securely.
14. If your equipment is faulty, do not attempt to repair it. Contact the hire company.

Hilti DX450 Cartridge Hammer

The rules and procedures in force where people are at work may require the person responsible for this equipment to carry out a specific risk assessment.

It is important to read all of this leaflet BEFORE you use the Cartridge Hammer

- 1. Plan your work and think ahead to make sure you will always be working safely.
2. Powder actuated hammers can be hazardous if misused. They should be used carefully and only by trained personnel.
3. The noise levels produced by this equipment can damage your hearing.
4. You should have attended a recognised training course before you can use the cartridge hammer.
5. The Hilti DX450 is designed to fix a variety of materials to concrete, masonry and steel using the appropriate fasteners.
6. The action of the Hilti DX450 can cause injury or damage if not used in a careful and controlled way.
7. If it has been some time since you have used the Hilti DX450, familiarise yourself with it again and with the safety requirements before you start work.
8. You should wear the following items of personal protective equipment: ear muffs or plugs giving protection for levels up to 140 dB; impact resistant goggles: EN166 - B or B52092 grade 1; dust mask - a minimum of EN149 FFP3(s) protection; safety boots (EN345 or BS1870/4972); safety helmet - EN397 or BS5240; gloves.
9. This Hilti DX450 must not be used by minors, or by anyone under the influence of drugs or alcohol.
10. Cartridge hammers are designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using them.



Please keep this leaflet safely as it may be required for future reference



Hire Association Europe
2450 Regents Court
The Crescent
Birmingham Business Park
Solithull B37 7YE

Telephone: 44 (0) 121 380 4600
Fax: 44 (0) 121 333 4109
Email: mail@hae.org.uk
website: www.hae.org.uk

Every effort has been made by HAE/EHA to ensure that the information given in this document and supporting material is accurate and not misleading. HAE/EHA cannot accept responsibility for any loss or liability perceived to have arisen from the use of any such document/material. Only Acts of Parliament and Statutory Instruments have the force of law and only the courts can authoritatively interpret the law.

Any unauthorised reproduction - manually or electronically - is STRICTLY prohibited

Copyright Hire Association Europe April 2011

1. Always, before use and after use, check there is no cartridge in the tool.
2. Always ensure that your cartridges and fasteners are suitable for the tool and the job.
3. Always use the tool at right angles to the work surface.
4. Always check to see there is a fastener in the hammer before loading the cartridge.
5. Always use eye protection.
6. Always keep the tool pointed away from yourself and others.
7. Always keep the hammer in the case when not in use.
8. Always use the weakest cartridge that is suitable - see your hire company. See also the colour code below.
9. Wear your safety equipment, especially when loading or unloading.
10. Keep your fingers away from the trigger.
11. Manufacturers follow a basic colour code to denote cartridge strength. Not all manufacturers produce the whole range. Red and black are the most used cartridges.
They are:
Yellow - Medium low
Green - Medium
Blue - Medium
Red - Medium high
Black - High.
1. If a cartridge misfires, keep the hammer pressed up against the work piece for a further 30 seconds.
2. If the cartridge still has not fired, carefully point the barrel at a safe area and wait for a further two minutes before attempting to eject the cartridge.
3. Keep hands and body away from the muzzle.
4. Keep the failed cartridges secure in a separate box to unused cartridges.
Return them to the hire company.

1. Only essential people should work in the area when the cartridge hammer is being used.
2. Do not use this cartridge hammer where there is a danger of explosion. It will ignite fumes from petrol or gas cylinders.
3. Make sure that your work area is clear and safe and that no-one is near to you or could distract you.
4. Protect other people from the noise and danger. Warn others to keep away. Put barriers around your work area.
5. The following items of personal protective equipment (ppe) are the minimum that should be worn whenever the cartridge hammer is used:
6. Ear muffs or plugs giving hearing protection for this level as a minimum.
7. You must wear safety boots (EN345 or BS1870/4972).
8. Anyone who is working near to you will also need to wear appropriate personal protective equipment.
9. Before you start work, make sure you understand how to use the cartridge hammer safely with no danger to yourself or others.
10. Cartridge hammers are designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using them.