



It is important to read all of this leaflet

BEFORE you use the Cartridge Hammer

should be used carefully and only by trained personnel.

be working safely.

you can use the cartridge hammer.

the appropriate fasteners.

controlled way.

alcohol

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hearing.

З.

Plan your work and think ahead to make sure you will always

Powder actuated hammers can be hazardous if misused. They

The noise levels produced by this equipment can damage your

You should have attended a recognised training course before

again and with the safety requirements before you start work

BS1870/4972); safety helmet - EN397 or BS5240; gloves.

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.

The Hilti DX450 is designed to fix a variety of materials to concrete, masonry and steel using

The action of the Hilti DX450 can cause injury or damage if not used in a careful and

If it has been some time since you have used the Hilti DX450, familiarise yourself with it

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

This Hilti DX450 must not be used by minors, or by anyone under the influence of drugs or

Cartridge hammers are designed for operation by an able bodied adult. Anyone with either

have the force of law and only the courts can authoritatively interpret the law.

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Anybody who is working near to you will

also need to wear appropriate personal

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You must wear safety boots (EN345 or

appropriate ear mutts or plugs giving

This hydraulic breaker is likely to cause noise levels up to 110 dB(A) - wear

e working with this hydraulic breaker

You must wear impact resistant goggles (EN166 – B or BS2092 grade 1) when you

winimum that should be worn whenever you use this hydraulic breaker. Particular

The following items of personal protective equipment (ppe) are the

danger. Warn others to keep away. Put

or could distract you. Protect other people from the noise and

and safe and that no-one is near to you

Make sure that your work area is clear

there is a danger of explosion. It will ignite tumes from petrol or gas cylinders.

Do not use this cartridge hammer where

Only essential people should work in the

damage your hearing.

produce noise levels up to 140 dB, which can

You must be aware that the Hilti DX450 can

You must have attended a recognised

You should be over eighteen years old;

Before you can use the Hilti DX450: SINAMARIUDAH YIAAAS

different colour and strength of You need normal colour vision to recognise

when the cartridge hammer is being

mers around your work area.

or environments may require a

ngner level of protection.

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temporary or permanent disability must seek expert advice before using them.

effort has been made by HAE/EHA to ensure that the information given in this doct

is accurate and not misleading. HAE/EHA cannot accept responsibility for any lo to have arisen from the use of any such document/material. Only Acts of Parliament have the force of law and only the source of the

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brotective equipment.

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carriages;

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UNLOADING

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

USING THE CARTRIDGE HAMMER

- your protective equipment including ear defenders and goggles.
- Use both hands to hold and fire the cartridge hammer. Do not indulge in any horseplay o
- irresponsible behavior while using, or working near, the cartridge hammer.
- 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
- Do not use the cartridge hammer on brittle surfaces, like glass, plastics,

Keep the failed cartridges secure in a separate box to unused cartridges.

Keep hands and body away from the

a further two minutes before attempting

point the barrel at a safe area and wait for

It the cartridge still has not fired, carefully

pressed up against the work piece for a further 30 seconds.

If a cartridge misfires, keep the hammer

far as for paragraphs 1-10 until the magazine is spent. Each subsequent movement of the cocking lever advances

ch subsequent fixing proceed as

secome the contact pressure, then pull

will be to the rear (plus). Use both hands to hold the tool in position against the work surface to

For the minimum setting the indicator will

bottom of the rear tool grip (handle). Set the power regulator to the minimum

The fixing is now in position.

180 degrees to its original rest position.

Rotate the cocking lever, back through

Slide back the loading grip on the cocking lever as far as it will go, then

Hold the loading grip (on top of the DX450) and use it to rotate the cocking DX450 layer found through 100 docroso

not slide to the rear but the same loading

in position by a magnet. Fixings with metal or plastic washers will

the rear of the cocking lever until it is held

lide it forward to its original position.

ver forward through 180 degrees.

setting by rotating the knurled whee ocated at the butt of the cartridge tool.

10. For the maximum setting the indicator

oe to the tront (minus).

action should be used.

agazine by one cartridge.

ct the cartridge.

glazed tiles or cast steel, they will crack or shatter

- Do not use this hammer on plasterboard 7. 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.
- Do not try to use on top of old, or 9 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 triager.
- 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.

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





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- Return them to the hire company.

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Abid muibeM - beA muibeM - eula

red and Diack are the most used

to denote cartridge strength.

Wear your safety equipment.

so the colour code below. suitable – see your hire company. Su

esu ni ton n

Noncelt and others.

NOR SURACE.

Always use eye protection

CARTRIDGE HAMMER SAFETY

11. Manufacturers follow a basic colour code

Keep your fingers away from the trigger, especially when loading or unloading, until you intend to fire.

Always use the weakest cartridge that is

Always keep the hammer in the case

mont ysws betriod loot ent deep the tool pointed away from

Always check to see there is a fastener in the cartridge.

Always use the tool at right angles to the

there is no cartridge in the tool. Always ensure that your cartridges and

Always, before use and after use, check

shers are suitable for the tool and the

facturers produce the whole range

- 2. Insert your selected fastener; point first into

Black – High.

Green - Iow

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satridges

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Before Starting Work.

Useful Reference Points • www.hae.org.uk/businessguard

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The Crescent Birmingham Business Park ie.org.ul :lism3 44 (0) 121 333 4109 44 (0) 121 380 4600 :euoudeie vesociation ⊨urope

yourself or others.

poqy at any time.

pulling the trigger.

Check your cartridg cartridges, and fasteners.

hire company.

RAMMAH BOQIATRAD

protective equipment.

protective equipment.

metal box.

hammer safely with no danger to understand how to use the cartridge .6

parts or when finished work.

- Before you start work, make sure you check with the hire company.
- different pistons for different fasteners. Do not use a different fastener until you

The cartridge hammer is supplied with

hammer before cleaning or changing

You must always unload the cartridge

Never point the barrel at any part of your

into the habit of not pointing it at people.

anyone, even when it is not loaded. Get

Do not point the cartridge hammer at

Carriages must be stored in a locked

is required for immediate use. It should

Do not load the cartridge hammer until it

aepressed against the work piece before

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To guard against accidental firing, the

anything found damaged - contact the

also need to wear appropriate personal

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also need to wear appropriate personal

לבה cartridge name steners. Do not use cartact the

remain unloaded when not in use.

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