



## Using the Actuated Hammer

1. Wear your protective equipment including ear defenders and goggles.
2. Do not indulge in any horseplay or irresponsible behavior, while using, or working, near the cartridge hammer.
3. Never carry cartridges loose in a pocket. Do not carry them loose in a box with metal fasteners.
4. Do not carry a loaded hammer from place to place.
5. Do not use cartridge hammers on brittle surfaces, like glass, plastics glazed tiles or cast steel, they will crack or shatter. Do not use it on modern housebricks, they will break.
6. Do not use this hammer on plasterboard or partitioning. Use it only on structural steel, masonry, or similar material.
7. Do not try to use an existing hole in the material you are fastening. Always move to a new position.
8. Do not try to use on top of old or broken fastenings. It could cause distortion or mislocation. It could be dangerous.
9. As a safety measure, the hammer will not fire until the muzzle is pressed home against the workpiece before pulling the trigger.
10. Clean and lubricate this hammer regularly.
11. After approximately 3000 fixings, the cartridge hammer should be returned to the hire company for thorough cleaning and servicing.
12. When you have finished work, unload and clean the cartridge hammer and store it and the cartridges securely.
13. 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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## Powder Actuated 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 Powder Actuated Hammer

1. Plan your work and think ahead to make sure you will always be working safely.
2. Powder actuated hammers can be hazardous. They should be used carefully and only by trained personnel.
3. The noise levels produced by this equipment can damage your hearing.
4. You must be over eighteen years of age and have attended a training course before you can use this cartridge hammer.
5. This cartridge hammer is designed to fix a variety of materials to concrete, brickwork, masonry and steel using the appropriate fasteners.
6. The action of this cartridge hammer can cause injury or damage if not used in a careful and controlled way.
7. If you have not used a cartridge hammer before, familiarise yourself with the equipment 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 BS2092 grade 1; dust mask – a minimum of EN149 FFP3(S) protection; safety boots EN345 or BS1870 / 4972; safety helmet – EN397 or BS5240; safety helmet – EN397 or BS5340; gloves.
9. This cartridge hammer 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.



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1. Manufacturers follow a basic colour code to denote cartridge strength. Not all manufacturers produce the whole range. They are:  
Green – low  
Yellow – Medium low  
Blue – Medium  
Red – Medium high  
Black - High
2. Do not try to fasten too close to the edge of the base material. Allow a minimum of about 75mm (1.5 inches) for concrete and masonry and about 12mm (0.5 inches) for steel.
3. Do not put the fasteners too close together. Allow at least 75mm (1.5 inches) for concrete and masonry and about 25mm (1 inch) for steel.
4. You should never try to drive a fastener into a hole made by a previous attempt at fixing.
5. Do not try to fasten into thin base materials. Concrete and masonry should be three times thicker than the fastener will penetrate. Steel should have a minimum thickness of 3mm (0.125 inches).
6. It is generally not recommended to fasten into mortar joints.

### FASTENING FAULTS

1. If a cartridge misfires, keep the hammer pressed up against the workpiece 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. Always, before use and after use, check there is no cartridge in the hammer.
2. Always ensure that your cartridges and fasteners are suitable for the hammer and the job.
3. Always use the hammer 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 hammer pointed away from yourself, and others.
7. Always keep the hammer in the case when not in use.

### CARTRIDGE HAMMER SAFETY

