



## These Instructions Must be Read by the User Before Operating the Tool



**Cartridge operated fixing tools must be operated correctly according to the manufacturer's or owner's operating instructions which are available on request if required**

**No person under the age of 18 should be allowed to operate or handle a cartridge tool**

**Any person using a cartridge tool is using explosives and should therefore have been trained in its safe use, (including dealing with misfires)**

These tools must only be used for fixing materials to concrete, brickwork, masonry, mild steel and higher tensile steel. Follow manufacturer's instruction on the suitability of these base materials and their minimum thickness

**DO NOT** attempt to fasten to brittle materials such as glazed tiles, glass or cast steel

**DO NOT** attempt to fix into soft materials such as wood, plasterboard or sheet steel

Manufacturer's instructions must be followed on the spacing of fixings and their distances from the edge of materials, welds and failed fixings

Wear personal protective equipment as conditions determine. Hard hats and safety goggles must be used

Due to the explosive noise of cartridge tools, the law requires that ear protectors must be worn, (at peak sound pressure levels of 200 pascals (140 dB) or more)

**CHECK** that all persons and animals are clear of the work area and fence off the other side of the wall where there is a danger that a fixing could penetrate the walls

**DO NOT** load the cartridge tool until required for use

**DO NOT** point the cartridge tool at any person (or animal) even when it is not loaded. Keep it pointed down and away from you  
**DO NOT** place the hands over the end of the barrel at any time

**DO NOT** place fingers on or near the trigger when loading or unloading the tool.

**DO NOT** use a cartridge tool where inflammable vapours or materials are present.

Select the correct cartridges according to the manufacturer's or owner's instructions.

If more than normal light finger pressure is required to insert the cartridge, **DO NOT** force but return the tool to the hirer. Use tower scaffolding rather than a ladder, and secure the scaffolding to prevent the "kick back" from the tool from causing overbalancing.

**DO NOT** attempt to re-fix in the same position as a failed fixing.  
**DO NOT** fix into holes which have been pre-drilled.

The tool must be pressed firmly against the work surface and at right angles to it, using both hands before pressing the trigger.

### **IN THE EVENT OF A MISFIRE**

a) Maintain pressure on the work surface for 30 seconds.

b) Release the contact pressure and re-apply it, then pull the trigger again.

c) If the cartridge still does not fire, hold the tool against the surface for a further 30 seconds.

d) Advance to the next cartridge and pull the trigger once again.

e) Should the cartridge misfire again, repeat sequences (a) to (d) above.

If a cartridge has to be ejected, wait a further one minute before prizing it out.

**DO NOT** ever attempt to prize out a cartridge (or misfired cartridge) using a screwdriver or other implement.

**DO NOT** ever tap or strike the rim of the cartridge (or a misfired cartridge) using an implement or on a surface.

Misfired cartridges must be left separately from other cartridges so that there is no possibility of them being used again. They must be returned to the hire company for safe disposal.

Cartridges may be carried in a vehicle in small quantities provided all due precautions are taken. They must never be sent by post.

**DO NOT** leave the tool or its cartridges unattended when not in use. Always unload the tool at the end of the firing operation, before changing tool parts and before cleaning and servicing.

Should the firing mechanism jam or the strip of cartridges fail to move forward,

**DO NOT** attempt repairs. Place the tool in a secure place where no harm can be done if it accidentally discharges, then contact the hire company.

The tool should always be kept in its box when not in use and locked away.

Cartridges should be kept in their manufacturers' labelled packages and also locked away in the box provided for the tool.