

## SAFE OPERATING PROCEDURE

Task / Equipment Description: **EXPLOSIVE FIXING GUN**
















### Potential Hazards and Risks

- Sharp projectiles
- Impact injuries
- Noise
- Slip and trip
- Eye injuries
- Explosive device
- Fumes

*DO NOT use this equipment unless you have been trained in its safe use and operation.*

*Always refer to the Manufacturers User Manual (on Diamond Hire website) for detailed operating instructions*

### Required Personal Protective Equipment (PPE)

PPE ✓	Gloves	Hearing Protection	Head Protection	Eye Protection	Eye (UV) Protection	Safety Footwear	FaceVisor / Welding	Dust Mask	Half Face Mask (P2)	Breathing Appartus	Hi-Vis Apparel	Full Body Clothing	Harness
													
	✓	✓	✓	✓	<input type="checkbox"/>	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### ALWAYS

- Wear described PPE. Note the ignition of a propellant charge can damage hearing
- Wear eye protection
- Wear safety shoes/boots
- Only use fasteners, cartridges and accessories made for the tool/brand you are using and provided by Diamond Hire
- If the plastic cartridge strip begins to melt, stop using the tool immediately and allow it to cool down.
- **Only use the tool for use in applications in which hardened nails, studs and fasteners are driven into concrete, steel and sand-lime block – not for other materials**

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**NEVER**

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- Never use faulty or damaged equipment – report it to your supervisor
  - Never leave a loaded gun unattended
  - Never manipulate or modify the tool in any way
  - Never operate the tool in an explosive or flammable atmosphere, unless the tool is specially approved for such use
  - Never point the tool at yourself or any bystander
  - Never press the muzzle of the tool against your hand or other part of your body
  - Never drive nails into excessively hard or brittle materials such as glass, marble, plastic, bronze, brass, copper, natural rock, insulation material, hollow brick, glazed tile, thin-gauge sheet metal (< 4 mm), grey cast iron, spheroidal cast iron and gas concrete
  - Never exceed the recommended maximum fastener driving rate (number of fastenings per hour) otherwise the tool may overheat
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**Safe Operating Procedure:**

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**Pre-Operation – Safety Checks:**

- Ensure an appropriate exclusion zone around the work zone, ensure that no one is standing behind or below the point where fasteners are to be driven.
  - Ensure the actuation muzzle is serviceable and in place.
  - Ensure that the workplace is well lit.
  - Ensure the work area is well-ventilated
  - Remove objects which could cause injury.
  - Avoid unfavourable body positions. Work from a secure stance and stay in balance at all times.
  - Keep the grip dry, clean and free from oil and grease.
  - Hold the tool carefully – compression on the fastening tool can make it ready to fire
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**Operation – Safety Procedure:**

- Never attempt to operate this tool if you are an inexperienced worker, without proper training.
  - The gun user and everyone working within the vicinity should be wearing safety glasses, protective footwear, and hearing protection.
  - Operate the tool only as directed and only when it is in faultless condition.
  - Use the stabiliser/splinter guard when the application permits.
  - If a cartridge misfires or fails to ignite, proceed as follows:
    1. Keep the tool pressed against the working surface for 30 seconds.
    2. If the cartridge still fails to fire, withdraw the tool from the working surface, taking care that it is not pointed towards your body or bystanders.
    3. Manually advance the cartridge strip one cartridge. Use up the remaining cartridges on the strip. Remove the used cartridge strip and dispose of it in such a way that it can be neither reused nor misused.
  - If cartridge firing with reduced driving power occurs in succession (without clearly audible noise of the cartridge firing and the fastener being driven with significantly less power), proceed as follows:
    - I. Stop using the tool immediately.
    - II. Check that the correct combination of fastener guide, piston and fastener are used (refer to the manual).
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- III. Check the buffer, piston and fastener guide / magazine for wear and replace the parts if necessary.
  - IV. Clean the tool.
  - V. Do not continue to use the tool if the problem persists after carrying out the steps described above.
  - VI. Discontinue work and return the tool to Diamond Hire
    - Never attempt to pry a cartridge from the magazine strip or the tool.
    - Keep arms flexed when the tool is fired (do not straighten the arms).
    - Never leave the loaded tool unattended.
    - Always unload the tool before beginning cleaning, servicing or changing parts and before storage.
    - Unused cartridges and tools not presently in use must be stored in a place where they are not exposed to humidity and between 5-25degrees celcius. The tool should be transported and stored in a toolbox that can be locked or secured to prevent use by unauthorised persons.
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Post-Operation – Housekeeping:

- Do not disassemble the tool while it is hot.
- Return this tool to the appropriate storage cupboard.
- Leave the work area in a safe, clean and tidy condition.
- Maintain correct operation of the actuation mechanism.