

ILLUSIONS AUSTRALIA

SAFE WORK PROCEDURE

SWP 057 – NAILING TOOLS - GAS POWERED

1. PURPOSE AND SCOPE

Minimum requirements for safe use of gas-powered nail guns at Illusions Australia.

Applies to approved gas-cartridge/battery powered fastening tools.

2. AUTHORISATION AND COMPETENCY

Only instructed and competent workers may use gas-powered nailing tools.

Operators must understand trigger/contact safety systems, fastener selection, gas-cell handling, recoil and hidden-service hazards.

3. REQUIRED PPE

The following PPE must be worn as appropriate:

- Eye protection.
- Hearing protection.
- Safety footwear.
- Other task-specific PPE.

4. PRE-START CHECKS

Before commencing work, confirm that:

- Tool, battery, gas cell, magazine and safety nose are serviceable.
- Correct fasteners and gas cell are fitted.
- Safety/contact mechanism operates correctly.
- Workpiece is stable and thick enough to receive the fastener.
- Opposite side of the work is clear of people.
- Hidden electrical/plumbing services are assessed where relevant.
- Area is ventilated.

5. SAFE OPERATING PROCEDURE

1. Inspect the tool before loading.
2. Load fasteners and gas cell in accordance with manufacturer instructions, keeping the tool pointed in a safe direction.
3. Keep finger off the trigger until positioned to fire.
4. Place the nose squarely and firmly against the work.
5. Keep hands clear of the fastener path and workpiece edges.
6. Fire only when the target and area behind it are controlled.
7. Remove battery/gas cell and fasteners before clearing jams or servicing.

8. Store unloaded and secured against unauthorised use.

6. PROHIBITED PRACTICES

Workers must not:

- Point the tool at any person.
- Bypass or tape back safety mechanisms.
- Carry the tool with finger on the trigger.
- Fire into material near an unsupported edge where a fastener may deflect.
- Use incorrect fasteners/gas cells.
- Clear jams while the tool remains energised/loaded.
- Use in poorly ventilated confined spaces without assessment.

7. UNINTENDED DISCHARGE

Nail guns can cause penetrating injuries from accidental or deflected fasteners.

- Keep the muzzle pointed safely.
- Maintain trigger discipline.
- Never defeat safety devices.

8. GAS CELLS

Fuel cells contain flammable gas under pressure.

- Keep away from heat/flame.
- Do not puncture or incinerate.
- Store and dispose of cells in accordance with manufacturer instructions.

9. FAULTS, DAMAGE AND ABNORMAL CONDITIONS

Stop for failed safety nose, misfire, gas leak, damaged magazine, repeated jamming or abnormal operation.

Unload/isolate before investigation and tag defective tools.

10. SHUTDOWN AND HOUSEKEEPING

- Remove battery/gas cell and fasteners as required.
- Clean tool using approved method.
- Store fuel cells and tool safely.
- Report defects.

11. EMERGENCY AND INCIDENT RESPONSE

1. Stop the equipment or activity immediately.
2. Isolate the hazard or energy source where safe to do so.
3. Provide or obtain first aid as required.
4. Notify the Foreman, Leading Hand or other authorised Illusions Australia representative.
5. Call emergency services where required.

6. Do not recommence until the incident, defect or unsafe condition has been addressed.

12. STOP WORK REQUIREMENT

Work must stop where:

- Safety mechanism is defective.
- Material/hidden-service risk is uncertain.
- Correct fasteners are unavailable.
- People cannot be kept clear of the firing path.
- Gas leakage or abnormal operation occurs.

No production requirement or deadline takes priority over safe work.

DOCUMENT CONTROL

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