

PFA TRAINING

GAS NAILERS

Using Power Fastening tools Safely





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Covering:

- “ PPE Required
- “ How Tool Works
- “ Adopt safe working Practices
- “ Understand Features of the machine
- “ Type of Nails used
- “ Loading Gas – Nails – Battery
- “ Safe use of the tool
- “ Basic Maintenance/Cleaning





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Operator P.P.E

Suitable eye protection(EN166 F min)

Approved ear protection

Toe protection

Plus any regular PPE equipment



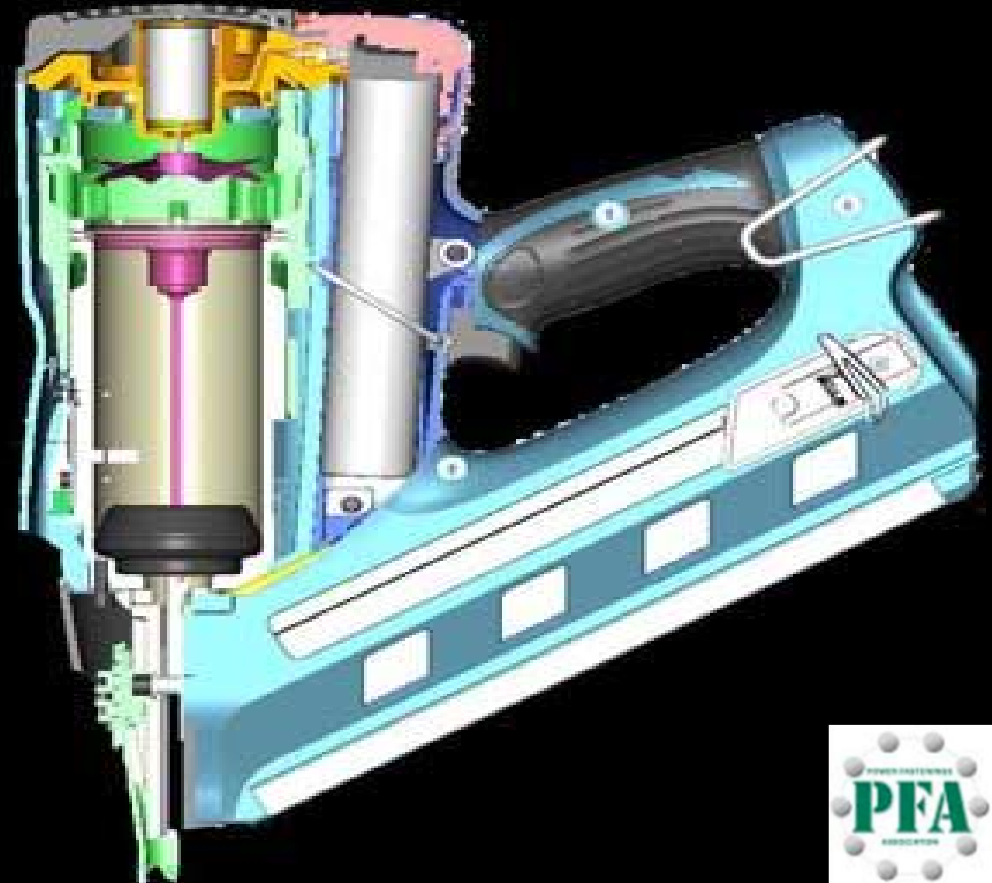


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“ HOW THE TOOL WORKS

Like a car engine:

- “ Gas is injected from Fuel Cell into chamber
- “ Trigger is pulled to create spark
- “ This ignites the mixture driving the Piston down
- “ Driver blade pushes the nail into material
- “ The trigger is released and the hot gases escape and the piston returns to allow the next nail to feed.





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Adopt Safe Working Practices

1. Do not point the tool at yourself.
2. Do not point the tool at anyone else, not even for a laugh.
3. Do not walk around site with your finger on the trigger whether the tool is loaded or not.
4. Never place your hand over the fastener guide or work contact element, and never try to depress it whether the tool is loaded or not.
5. When working at height or on platforms ensure that the platform is secure and has been erected by someone competent to do so.
6. Never use 'hop ups' or trestles as a platform. The tool recoils and an insecure foothold may lead to an accident.
7. Never operate the tool whilst over reaching or over stretching for the same reason.
8. Never operate any Tool outside when it is raining.
9. Never operate a Tool in a combustible atmosphere or near flammable substances.
10. Always use the Tool in a well-ventilated area.
11. Never leave a loaded tool lying around.
12. Never assume that an unattended tool is empty.
13. Always carry your tool in the case provided.
14. Always make sure your tool is securely locked away to help prevent theft.





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Understand Features of the machine

- “ How to load the gas cell correctly
- “ Correct way to load nails
- “ How to adjust depth on contact nose
- “ Locate air filter and know how to clean
- “ How to adjust belt/Joist hook
- “ The correct way to load battery
- “ Understand the LED light indicator
- “ All in accordance with manufacturers instructions
- “ Correct way to charge battery





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NAIL RANGE

CORRECT FOR MACHINE/TASK

CHOOSING THE CORRECT NAIL

| TYPE | EXPLANATION |
|---------------------------|--|
| Bright | Good for use on internal jobs where there is no or very little exposure to moisture. Use on non permanent work such as shuttering. |
| Electrogalvanised | The most popular as it gives good protection against corrosion and can be used for most applications. |
| Hot Dip Galvanised | Recommended for use on external work or where corrosion could damage the finish or integrity of the joint. |

CHOOSING THE CORRECT SHANK

| TYPE | EXPLANATION |
|------------------|--|
| Smooth | The most common nail, it can be used for most joints. |
| Ring | Identified by the rings around the shaft, these are generally used where a strong joint is required. |
| Part ring | A cross between Smooth and Ring types, for use where a medium strength joint is required. |

- **Service classes as defined in Eurocode 5 for timber structures**
- Service Class 1 Bright Indoor use
- Service Class 2 Electrogalvanised Min 12 μ m, protected outdoor use.
- Service Class 3 Hot Dipped Galvanized Outdoor use





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Loading

Fuel Cell

(Check expiry Date if applicable)

Nails

Battery

As Per Manufacturer's Instructions





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Safe Use of Tool

- ” Warn others before use.
- ” Pre use safety checks.
- ” Secure material.
- ” Select the correct nails for task.
- ” Set depth of drive correctly.
- ” Do not over reach keep firm footing and balance at all times.
- ” Do not carry a loaded tool with your finger on the trigger.
- ” Ensure you are wearing the correct P.P.E.
- ” Never place your hand behind the material.
- ” Operate the tool only in accordance with the manufactures instructions.
- ” See manufacturers operating manual for further safety details.
- ” After use, check tool over and before storing, remove fuel cell,battery and nails.





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Maintenance/Cleaning

All maintenance, cleaning and products used are to be in accordance
with manufacturer's instructions

- “ Before cleaning remove battery/nails and fuel cell
- “ Dismantle (Taking care with fan blade)
- “ Check O ring (replace if damaged)
- “ Clean and re lubricate
- “ Re Assemble
- “ Dispose of used fuel cells correctly

Maintenance should be conducted in a well-ventilated area





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