

## NuMax SFR3490

# NuMax SFR3490 34-Degree 3-1/2" Pneumatic Clipped Head Framing Nailer Instruction Manual

Model: SFR3490 | Brand: NuMax

## 1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your NuMax SFR3490 34-Degree 3-1/2" Pneumatic Clipped Head Framing Nailer. Please read and understand all instructions before using the tool. Proper use and maintenance will ensure optimal performance and extend the life of your nailer.



Image 1.1: The NuMax SFR3490 34-Degree 3-1/2" Pneumatic Clipped Head Framing Nailer.

The NuMax SFR3490 is designed for various construction applications, including framing, truss work, subfloors, sheathing, roof decking, furniture manufacturing, pallet and shipping crate assembly, and wood fencing. It features a durable design with an anti-dry-fire mechanism, dual-mode trigger, tool-free depth adjustment, and a no-mar safety tip.

## 2. SAFETY INFORMATION

**WARNING: Failure to follow these safety instructions may result in serious personal injury or property damage.**

- Always wear ANSI Z87.1 approved safety glasses with side shields when operating or maintaining the tool.
- Wear hearing protection to prevent noise-induced hearing loss.
- Wear appropriate gloves for hand protection.
- Never point the tool at yourself or others.
- Disconnect the air supply before making adjustments, clearing jams, servicing, or when the tool is not in use.
- Ensure the workpiece is securely fastened before nailing.

- Do not operate the tool if it is damaged or malfunctioning.
- Keep hands and body parts clear of the discharge area.
- Use only clean, dry, regulated compressed air at the recommended pressure.
- Do not use oxygen, combustible gases, or bottled gases as a power source.
- Keep children and bystanders away from the work area.

### 3. COMPONENTS AND FEATURES

The NuMax SFR3490 is engineered with several features to enhance performance and user experience:

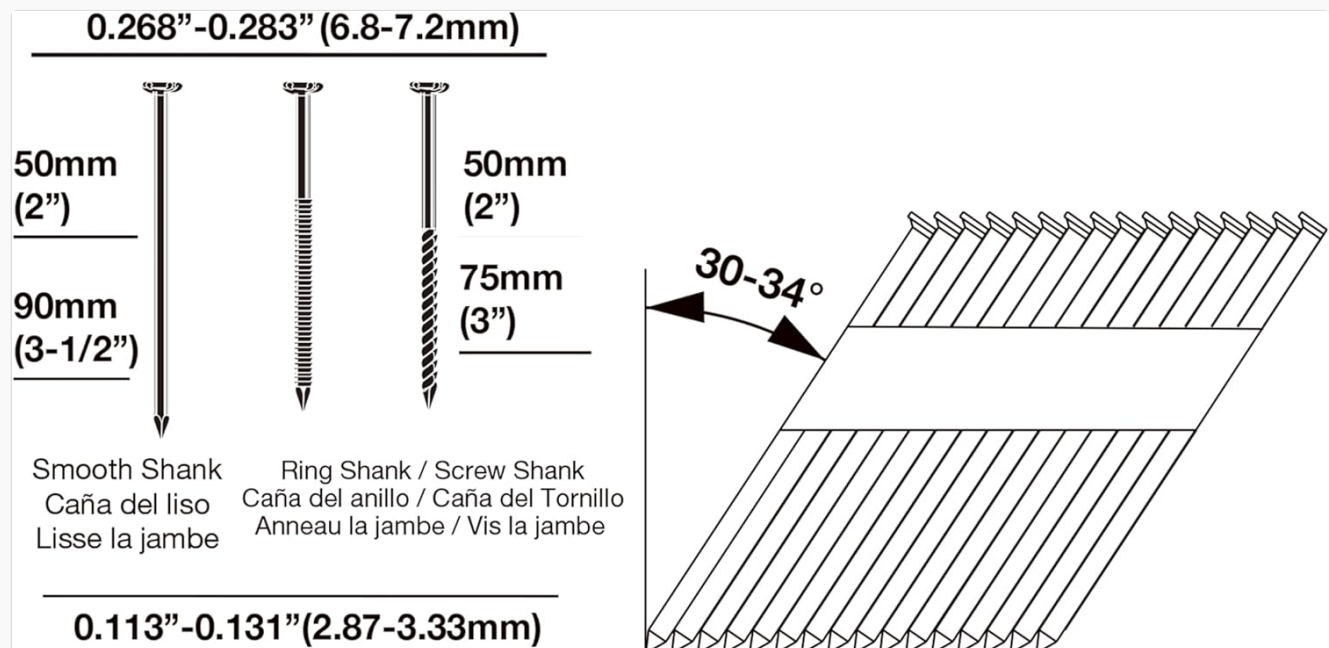


Image 3.1: Key features of the NuMax SFR3490 Framing Nailer, including the adjustable exhaust, comfort grip handle, dual-mode trigger, anti-dry-fire mechanism, no-mar tip, adjustable depth, and durable aluminum body.

- **Durable Aluminum Body:** Constructed for longevity and robust performance.
- **Anti-Dry-Fire Mechanism:** Prevents the tool from firing when the magazine is empty, protecting internal components and the workpiece.
- **Dual Mode Trigger:** Allows for easy switching between single sequential firing for precise nail placement and bump firing for rapid operation.
- **Tool-Free Depth Adjust:** A simple wheel adjustment allows for quick changes to nail driving depth without additional tools.
- **No Mar Safety Tip:** Designed to prevent damage to the work surface, ensuring clean results.
- **Comfort Grip Handle:** Ergonomically designed to reduce user fatigue during extended use.
- **360 Degree Adjustable Exhaust:** Directs air away from the user's face and work area for improved comfort.
- **One-Piece Hardened Steel Drive Blade:** Ensures durability and consistent performance.

### 4. SETUP

#### 4.1 Air Supply Connection

1. Ensure the air compressor is off and the air hose is disconnected from the compressor.
2. Apply a few drops of pneumatic tool oil into the air inlet of the nailer.

3. Connect the air hose to the tool's air inlet. Ensure a secure connection.



Image 4.1: The air inlet connection point on the NuMax SFR3490.

4. Set the air compressor pressure to the recommended operating range (70-115 PSI). Do not exceed 120 PSI.

## 4.2 Loading Nails

The SFR3490 uses 34-degree paper collated clipped head framing nails, ranging from 2" to 3-1/2" in length and 0.113" to 0.131" in diameter.

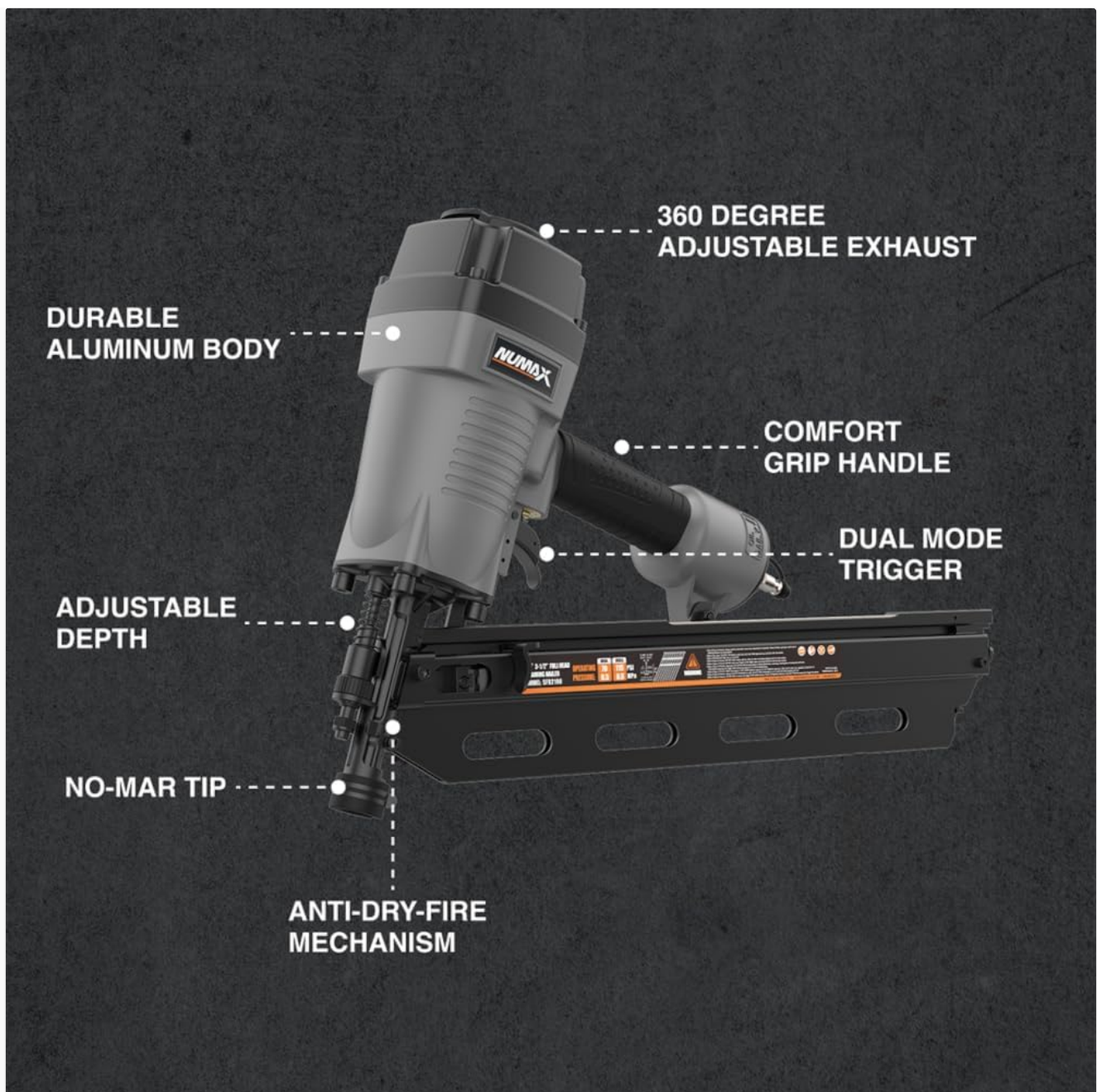


Image 4.2: Compatible nail specifications for the NuMax SFR3490, including smooth shank, ring shank, and screw shank nails from 2" to 3-1/2" in length.

1. Ensure the air supply is disconnected.
2. Pull back the pusher assembly until it locks into place.
3. Insert a strip of nails into the magazine with the nail points facing down.
4. Release the pusher assembly, allowing it to slide forward and engage the nail strip.

## 5. OPERATING INSTRUCTIONS

### 5.1 Adjusting Depth of Drive

The tool-free depth adjustment allows you to control how deep the nail is driven into the material.

1. Disconnect the air supply.
2. Locate the depth adjustment wheel near the nose of the tool.





Image 5.1: The tool-free depth adjustment wheel and no-mar tip.

3. Turn the wheel clockwise to increase the driving depth (for deeper nails) or counter-clockwise to decrease the driving depth (for shallower nails).
4. Test on a scrap piece of material to achieve the desired depth before working on your project.

## 5.2 Firing Modes

The SFR3490 features a dual-mode trigger for versatile operation:

- **Sequential Firing:** For precise placement. Depress the safety contact element against the workpiece, then pull the trigger to fire a nail. Release both the trigger and the safety contact element before the next nail.
- **Bump Firing:** For rapid nailing. Hold the trigger, then depress the safety contact element against the workpiece to fire a nail. Lift the tool and repeat for subsequent nails.

**CAUTION:** Always be aware of the firing mode selected to prevent accidental discharge.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your nailer.

- **Daily Lubrication:** Apply 5-10 drops of pneumatic tool oil into the air inlet before each use. Do not use detergent oil or automotive oil.
- **Cleaning:** Keep the tool clean and free of debris. Wipe down the exterior with a clean cloth. Do not use harsh solvents.
- **Air Filter:** Periodically check and clean the air filter (if applicable) to ensure proper airflow.
- **Fastener Path:** Inspect the magazine and nose for any obstructions or bent nails. Clear any jams immediately after disconnecting the air supply.
- **Storage:** When not in use, disconnect the air supply, drain the air compressor, and store the tool in a dry, secure location away from children.

## 7. TROUBLESHOOTING

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
Tool does not fire	No air supply; low air pressure; empty magazine; safety contact not fully depressed; trigger not pulled.	Connect air supply; increase air pressure (70-115 PSI); load nails; ensure safety contact is fully depressed; pull trigger.
Nails not driven flush	Low air pressure; depth adjustment set too shallow; incorrect nail length.	Increase air pressure; adjust depth setting deeper; use appropriate nail length.
Nails jam frequently	Bent or incorrect nails; damaged magazine; foreign debris in fastener path; worn driver blade.	Use correct, undamaged nails; clean magazine; clear debris; contact service for driver blade replacement.
Air leaks	Loose fittings; worn O-rings or seals.	Tighten fittings; contact service for O-ring/seal replacement.

## 8. SPECIFICATIONS

Specification	Detail
Model Number	SFR3490
Nail Type	34-Degree Paper Collated Clipped Head Framing Nails
Nail Length Range	2" - 3-1/2" (50mm - 90mm)
Nail Diameter Range	0.113" - 0.131" (2.87mm - 3.33mm)

Specification	Detail
Operating Pressure	70-115 PSI (4.8-7.9 bar)
Maximum Pressure	120 PSI (8.3 bar)
Item Weight	8.8 pounds
Product Dimensions	20.3 x 5.6 x 13.7 inches
Power Source	Air Powered
Material	Heat-treated steel drive blade, Aluminum body

## 9. WARRANTY AND SUPPORT

The NuMax SFR3490 Framing Nailer is covered by a **1 Year Limited Tool Warranty** and a **30 Day Wearable Parts Warranty**. This warranty covers defects in material and workmanship under normal use.

For warranty claims, technical support, or to order replacement parts, please contact NuMax customer service. Keep your purchase receipt as proof of purchase for warranty validation.

For additional information or to view other NuMax products, visit the official NuMax website or authorized retailers.

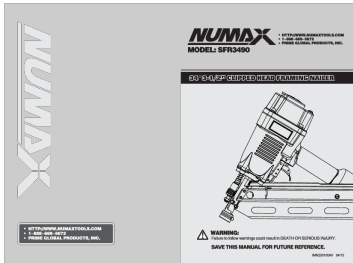


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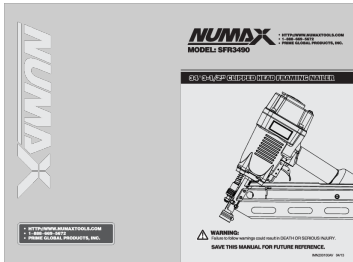


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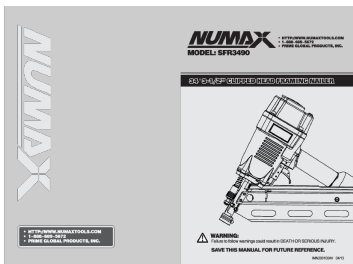


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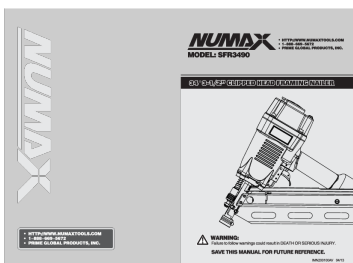


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