

## NuMax SFR2190

# NuMax SFR2190 Pneumatic Framing Nailer Instruction Manual

## 1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your NuMax SFR2190 Pneumatic Framing Nailer and accompanying B&C Eagle Framing Nails. Please read and understand all instructions and safety warnings before using the tool.

**Important Safety Information:** Always wear appropriate personal protective equipment, including eye and hearing protection, when operating this tool. Ensure the air compressor is properly maintained and regulated. Failure to follow safety guidelines may result in serious injury.

## 2. PRODUCT OVERVIEW

The NuMax SFR2190 is a pneumatic 21-degree full round head framing nailer designed for various construction applications. It offers speed and power for tasks such as framing, truss assembly, sheathing, subfloors, deck work, fencing, pallets, crates, and furniture assembly.

### Key Features:

- Compatible with 10-12 gauge 21-degree plastic collated full round head framing nails from 2" to 3-1/2".
- One-piece drive blade for enhanced durability.
- Lightweight magnesium body for extended use.
- Tool-free depth adjustment.
- Dual-mode trigger for bump or sequential firing.
- No-mar safety contact tip to protect work surfaces.
- Comfort grip handle.
- 360-degree adjustable exhaust.
- Anti-dry firing mechanism to prevent damage.

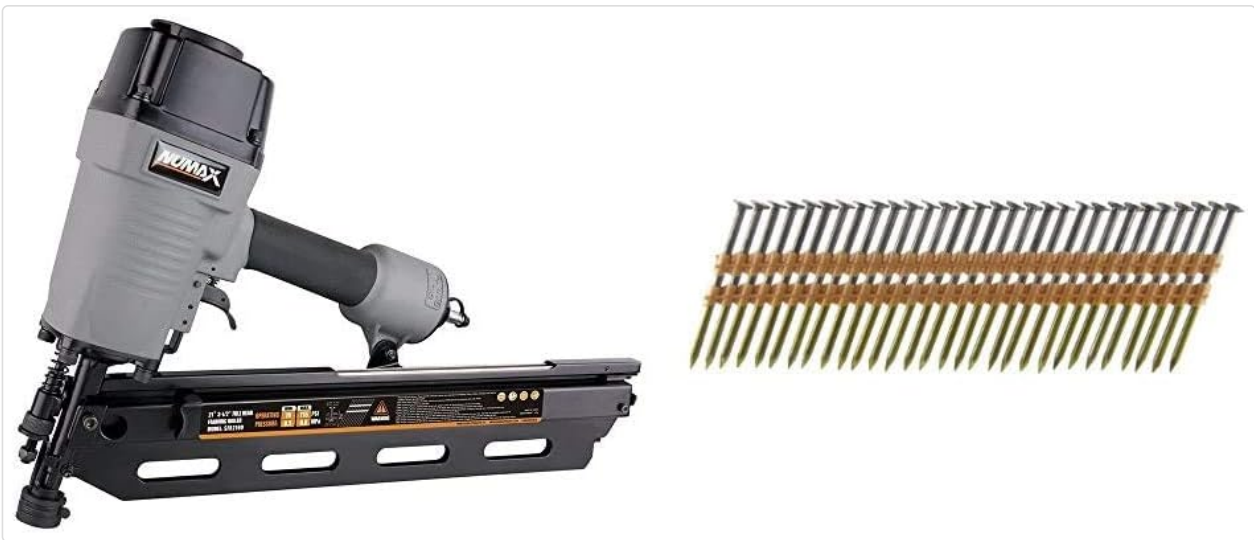


Figure 2.1: NuMax SFR2190 Pneumatic Framing Nailer and B&C Eagle Framing Nails bundle. This image displays the NuMax SFR2190 pneumatic framing nailer alongside a strip of B&C Eagle 21-degree full head framing nails, illustrating the complete product bundle.



Figure 2.2: NuMax SFR2190 Pneumatic Framing Nailer. A close-up view of the NuMax SFR2190 pneumatic framing nailer, highlighting its ergonomic design and key components.

**Included Accessories:**

The nailer bundle includes B&C Eagle 500 count 2-3/8" x 0.113" x 22 degree collated framing nails. Additionally, an air connector, air tool oil, and adjustment tools are provided.



Figure 2.3: NuMax SFR2190 Framing Nailer with included accessories. This image shows the NuMax SFR2190 nailer along with the air tool oil bottle, adjustment wrenches, and a no-mar tip.

### 3. SETUP

#### 3.1 Connecting to Air Supply

1. Ensure the air compressor is turned 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 air inlet on the nailer.
4. Connect the other end of the air hose to the air compressor.
5. Turn on the air compressor and adjust the air pressure to the recommended operating range of 70-115 PSI (0.5-0.8 MPa). Do not exceed 115 PSI.

#### 3.2 Loading Nails

The NuMax SFR2190 uses 21-degree plastic collated full round head framing nails. The included B&C Eagle nails are 2-3/8 inches long with a .113 inch diameter.

1. Disconnect the air supply from the nailer before loading nails.
2. Pull back the nail pusher until it locks into place at the end of the magazine.
3. Insert a strip of 21-degree collated nails into the magazine with the nail heads facing upwards.
4. Release the nail pusher, allowing it to push the nails forward until they are seated correctly.
5. Reconnect the air supply.



Figure 3.1: Loading nails into the NuMax SFR2190 framing nailer magazine. This image shows the magazine of the NuMax SFR2190 framing nailer with a strip of 21-degree plastic collated nails partially loaded, demonstrating the loading process.

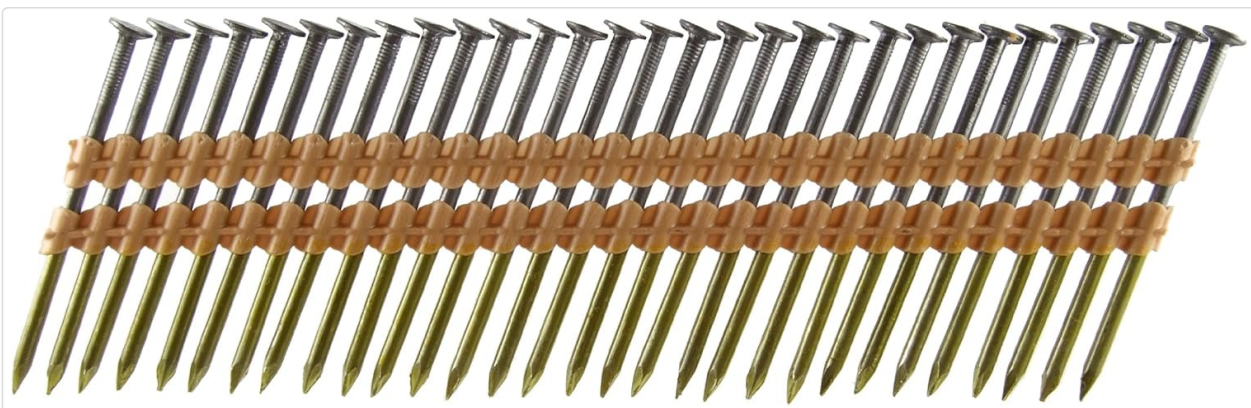


Figure 3.2: B&C Eagle 21-degree plastic collated framing nails. A close-up view of a strip of B&C Eagle 21-degree plastic collated full round head framing nails, ready for loading into the nailer.

### 3.3 Depth Adjustment

The NuMax SFR2190 features a tool-free depth adjustment. To adjust the nail depth, rotate the depth adjustment wheel located near the contact tip. Test the depth on a scrap piece of material before fastening to your workpiece.

### 3.4 Trigger Modes

The nailer is equipped with a dual-mode trigger, allowing selection between sequential and bump firing:

- **Sequential Firing:** For precise nail placement, press the contact tip against the workpiece, then pull the trigger to drive a single nail. Release the trigger and lift the tool to prepare for the next nail.
- **Bump Firing:** For rapid fastening, hold the trigger down and press the contact tip against the workpiece at each desired fastening point. A nail will be driven each time the contact tip is depressed.

Always select the appropriate trigger mode for the task to ensure safety and efficiency.

## 4. OPERATING INSTRUCTIONS

Before operation, ensure all safety precautions are observed, including wearing eye and hearing protection. Verify the air pressure is correctly set and the magazine is loaded with appropriate nails.

1. Hold the nailer firmly with both hands, maintaining a stable stance.
2. Position the contact tip squarely on the workpiece where the nail is to be driven.
3. Engage the trigger according to the selected firing mode (sequential or bump).
4. Allow the tool to fully cycle before repositioning for the next nail.
5. Avoid firing nails into knots, metal, or excessively hard materials that could cause nail deflection or tool damage.

## **Applications:**

The NuMax SFR2190 is suitable for a wide range of heavy-duty fastening applications, including:

- Framing walls and roofs
- Truss assembly
- Sheathing installation
- Subfloor fastening
- Deck construction
- Fencing
- Pallet and crate assembly
- Furniture assembly

## **5. MAINTENANCE**

Regular maintenance ensures optimal performance and extends the lifespan of your NuMax SFR2190 nailer.

### **5.1 Oiling**

Apply 1-2 drops of pneumatic tool oil into the air inlet of the nailer daily or before each use. This lubricates the internal O-rings and moving parts, preventing wear and ensuring smooth operation.

### **5.2 Cleaning**

Keep the tool clean and free of dust, debris, and excess oil. Periodically inspect the magazine and nose area for any build-up that could interfere with nail feeding or firing. Use a clean, dry cloth for wiping down the tool.

### **5.3 Inspection and Storage**

Regularly inspect the nailer for any signs of wear, damage, or loose fasteners. Ensure the air connector is secure. When not in use, disconnect the air supply and store the nailer in a dry, secure location away from direct sunlight and extreme temperatures.

## **6. TROUBLESHOOTING**

This section addresses common issues you might encounter during operation.

### **6.1 Nail Jams**

If a nail jam occurs:

1. **Immediately disconnect the air supply from the nailer.**
2. Open the nose latch (if applicable) or carefully remove the magazine to access the jammed nail.
3. Using pliers or a screwdriver, carefully remove the jammed nail and any broken pieces. Do not force it.
4. Close the nose latch/magazine and reconnect the air supply. Test the tool on a scrap piece of material.

## 6.2 Misfires or Inconsistent Firing

If the nailer misfires or fires inconsistently:

- Check the air pressure at the compressor and ensure it is within the recommended 70-115 PSI range.
- Verify that the nails are correctly loaded in the magazine and are the correct type and size for the tool.
- Ensure the tool has been properly oiled as per maintenance instructions.
- Inspect the contact tip for wear or damage.

## 6.3 Anti-Dry Firing Mechanism

The NuMax SFR2190 is equipped with an anti-dry firing mechanism. This feature prevents the tool from firing when the nail supply is low, protecting internal components from unnecessary wear. If the tool stops firing, check the nail magazine and reload if necessary.

## 7. SPECIFICATIONS

Feature	Specification
Model	SFR2190
Nail Type	21° Full Head Plastic Collated Framing Nails
Nail Gauge	10-12 Gauge
Nail Length Range	2" to 3-1/2"
Operating Pressure	70-115 PSI (0.5-0.8 MPa)
Magazine Capacity	Standard strip capacity
Trigger Type	Dual Mode (Sequential/Bump)
Housing Material	Lightweight Magnesium
Date First Available	July 30, 2020

## 8. WARRANTY AND SUPPORT

The NuMax SFR2190 Pneumatic Framing Nailer is engineered for durability, featuring a robust one-piece drive blade and a lightweight magnesium body. For specific warranty terms, conditions, and duration, please refer to the warranty card included with your product or visit the official NuMax website. For technical assistance, replacement parts, or further inquiries, please contact NuMax customer support directly.