

Senco S900FN

Senco S900FN Pneumatic Strip Nailer User Manual

Model: S900FN

1. INTRODUCTION

Thank you for choosing the Senco S900FN Pneumatic Strip Nailer. This powerful and reliable tool is designed for various wood applications, including formwork elements, roof sheathing, prefabricated house construction, fences, floors, and wood frames. It is engineered for efficiency and durability, handling strip nails with lengths ranging from 55 mm to 90 mm. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Senco S900FN nailer. Please read it thoroughly before use.

2. SAFETY INSTRUCTIONS

Always prioritize safety when operating pneumatic tools. Failure to follow these instructions may result in serious injury or property damage.

- **Read the Manual:** Understand all instructions and warnings before operating the tool.
- **Personal Protective Equipment (PPE):** Always wear safety glasses with side shields, hearing protection, and appropriate footwear. Gloves are recommended.
- **Work Area:** Keep the work area clean, well-lit, and free of clutter. Ensure bystanders are at a safe distance.
- **Air Supply:** Use clean, dry, regulated compressed air. Do not exceed the maximum operating pressure of 8.3 bar (120 psi).
- **Disconnect Air:** Always disconnect the air supply before loading fasteners, performing maintenance, clearing jams, or leaving the tool unattended.
- **Tool Condition:** Inspect the tool before each use for damaged or missing parts. Do not operate a damaged tool.
- **Fastener Safety:** Never point the tool at yourself or others. Ensure the workpiece is stable before firing.
- **Noise and Vibration:** This tool produces noise and vibration during operation. The sound pressure level (LPA) is 85 dB, and the sound power level (LWA) is 90 dB. Vibration is 2.5 m/s². Prolonged exposure may cause hearing damage or hand-arm vibration syndrome. Use appropriate PPE and take breaks.

3. PRODUCT OVERVIEW

The Senco S900FN is a robust pneumatic strip nailer designed for professional use. Key features include:

- Adjustable depth of drive for precise fastener placement.
- Single sequential trigger for controlled firing.
- Comfortable non-slip grip for enhanced user control and reduced fatigue.
- Adjustable exhaust for directing air away from the user.
- Dry-fire lockout mechanism to prevent damage when the magazine is empty.



Figure 3.1: Side view of the Senco S900FN Pneumatic Strip Nailer. This image shows the main body, magazine, trigger, and air inlet.



Figure 3.2: Angled view of the Senco S900FN Pneumatic Strip Nailer, highlighting the ergonomic grip and magazine design.

4. SETUP

4.1 Connecting to Air Supply

1. Ensure your air compressor is turned off and the air tank is drained.
2. Connect a 3/8 inch female NPT air hose fitting to the tool's air inlet.
3. Set your air compressor regulator to an operating pressure between 4.8 bar (70 psi) and 8.3 bar (120 psi). The optimal pressure will depend on the fastener length and material being fastened.
4. Turn on the air compressor and allow it to build pressure.
5. Check all connections for air leaks.

4.2 Loading Fasteners

The S900FN uses 34-degree paper collated D-head strip nails, ranging from 55 mm to 90 mm in length.

1. Disconnect the tool from the air supply.
2. Pull back the pusher assembly until it locks into place.
3. Insert a strip of nails into the magazine, ensuring the nail heads are properly seated in the rail.
4. Release the pusher assembly, allowing it to slide forward and engage the nail strip.

5. Reconnect the tool to the air supply.

5. OPERATION

5.1 Adjusting Depth of Drive

The S900FN features an adjustable depth of drive. Locate the depth adjustment mechanism (typically a dial or lever near the nose of the tool) and rotate or slide it to achieve the desired nail depth. Test on a scrap piece of material before fastening to your final workpiece.

5.2 Firing the Tool

This tool uses a single sequential trigger mechanism, requiring two actions for each fastener:

1. Press the contact trip firmly against the workpiece.
2. Pull the trigger to drive a fastener.

Release both the trigger and the contact trip before moving to the next fastening location.

5.3 Applications

The Senco S900FN is suitable for a variety of light to medium-duty wood construction applications, including but not limited to:

- Formwork elements
- Roof sheathing
- Prefabricated house construction
- Fences
- Flooring
- Wood frames

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Senco S900FN nailer. Always disconnect the air supply before performing any maintenance.

6.1 Lubrication

Apply a few drops of pneumatic tool oil into the air inlet daily or before each use. This lubricates internal components and prevents corrosion. Do not use automotive oil or detergents.

6.2 Cleaning

- Keep the tool clean and free of debris, especially around the nose and magazine areas.
- Use compressed air to blow out dust and small particles from the tool's mechanisms.
- Wipe down the exterior with a clean, damp cloth. Avoid using harsh solvents.

6.3 Storage

Store the tool in a dry, secure location, away from extreme temperatures and humidity. Disconnect the air supply and remove all fasteners from the magazine before storage. The tool is supplied in a case for convenient storage and transport.

7. TROUBLESHOOTING

Before attempting any repairs, always disconnect the tool from the air supply.

Problem	Possible Cause	Solution
Tool does not fire or misfires	<ul style="list-style-type: none">◦ Low air pressure◦ No fasteners in magazine◦ Fastener jam◦ Damaged O-rings or seals	<ul style="list-style-type: none">◦ Increase air pressure to recommended range (4.8-8.3 bar).◦ Load fasteners. The tool has a dry-fire lockout.◦ Disconnect air, clear jam from nosepiece.◦ Contact authorized service center.
Nails not driven flush	<ul style="list-style-type: none">◦ Low air pressure◦ Depth adjustment incorrect◦ Worn driver blade	<ul style="list-style-type: none">◦ Increase air pressure.◦ Adjust depth of drive.◦ Contact authorized service center.
Air leaks from tool	<ul style="list-style-type: none">◦ Loose fittings◦ Damaged O-rings or seals	<ul style="list-style-type: none">◦ Tighten air fittings.◦ Contact authorized service center.

8. SPECIFICATIONS

Feature	Detail
Model Number	S900FN (Article No. 4F2311N)
Dimensions (L x W x H)	430 x 136 x 382 mm (16.9 x 5.4 x 15.0 inches)
Net Weight	3.78 kg (8.33 lbs)
Operating Pressure	4.8 - 8.3 bar (70 - 120 psi)
Air Consumption (at 60 cycles/min)	274 liters/minute
Fastener Type	D-head strip nails, paper collated
Fastener Length Range	55 - 90 mm
Magazine Capacity	80 nails
Magazine Angle	34 degrees
Trigger Type	Single sequential
Air Inlet	3/8 inch female NPT
Operating Temperature	18 - 49 °C (64 - 120 °F)
Sound Pressure Level (LPA)	85 dB
Sound Power Level (LWA)	90 dB
Vibration	2.5 m/s ²





9. WARRANTY AND SUPPORT

For information regarding warranty coverage, authorized service centers, or technical support for your Senco S900FN Pneumatic Strip Nailer, please contact Senco customer service or visit the official Senco website. Keep your purchase receipt as proof of purchase.

Note: Availability of spare parts information is not provided in the product details. Please contact Senco directly for spare parts inquiries.

© 2023 Senco. All rights reserved.

Related Documents - S900FN

	<p>SENCO FN91T1 Pneumatic Framing Nailer Parts Reference Guide</p> <p>Official parts reference guide for the SENCO FN91T1 3 1/2" Pneumatic Framing Nailer, including a comprehensive list of replacement parts and their corresponding numbers.</p>
	<p>SENCO F-35FRHXP Cordless Framing Nailer Parts Reference Guide</p> <p>Comprehensive parts catalog and reference guide for the SENCO F-35FRHXP Cordless Framing Nailer. Features detailed part breakdowns, assembly diagrams, and part numbers for easy identification and maintenance.</p>
	<p>SENCO FramePro701XP & FramePro751XP Framing Nailers: Operating Instructions and Safety Guide</p> <p>Comprehensive operating instructions, safety warnings, maintenance procedures, troubleshooting tips, technical specifications, and warranty information for the SENCO FramePro701XP and FramePro751XP pneumatic framing nailers.</p>
	<p>SENCO SN71P1 Pneumatic 2 1/2" Coil Siding Nailer - Operating Instructions</p> <p>Comprehensive operating instructions for the SENCO SN71P1 Pneumatic 2 1/2" Coil Siding Nailer, covering safety warnings, functional operation, maintenance, troubleshooting, specifications, and warranty.</p>

SENCO SCP40XP Pneumatic Concrete Pinner Parts Reference Guide

Detailed parts reference guide for the SENCO SCP40XP Pneumatic Concrete Pinner, including schematic diagrams and a comprehensive parts list with descriptions in English, Spanish, and French.

SENCO Stripnailers Operating Manual

This comprehensive manual from SENCO details the operation, safety, maintenance, and technical specifications for their Stripnailers product line. It covers various series including XtremePro, Pro, and SemiPro, providing essential guidance for the safe and effective use of these pneumatic tools.