



Manuals.plus /

› Bostitch /

› Stanley Bostitch P51-10B Pneumatic Stapling Pliers User Manual

Bostitch P51-10B

Stanley Bostitch P51-10B Pneumatic Stapling Pliers

USER MANUAL

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Bostitch P51-10B Pneumatic Stapling Pliers. Please read this manual thoroughly before using the tool to ensure proper function and to prevent injury or damage.

The Bostitch P51-10B is designed for heavy-duty stapling applications, particularly for sealing corrugated materials.

2. Safety Information

WARNING: Always follow basic safety precautions when using pneumatic tools to reduce the risk of personal injury or damage to the tool.

- Always wear eye protection that conforms to ANSI Z87.1 and hearing protection.
- Never point the tool at yourself or others.
- Disconnect the air supply before making adjustments, clearing jams, or servicing the tool.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Do not operate the tool if you are tired or under the influence of drugs, alcohol, or medication.
- Use only clean, dry, regulated compressed air at the recommended pressure.
- Keep hands and body parts clear of the stapling area during operation.

3. Product Overview

The Bostitch P51-10B Pneumatic Stapling Pliers are designed for efficient and secure fastening of various materials, particularly corrugated cardboard. Key features include a robust design and a high throat for versatile staple placement.



Figure 3.1: Front view of the Bostitch P51-10B Pneumatic Stapling Pliers, showcasing its robust construction and ergonomic handle.

The tool features a powerful shuttle blade mechanism that pre-compresses the material before and during stapling, ensuring a strong, tight closure without damaging the corrugated surface. Its 6-inch by 1-inch high throat provides ample space for flexible staple placement and minimizes interference from box flanges or other obstacles.



Figure 3.2: Side view of the stapling pliers, highlighting the staple magazine and air inlet.

4. Setup

1. Air Supply Connection:

- Ensure your air compressor is capable of providing the required air pressure (refer to specifications).
- Connect an air hose to the tool's air inlet. Use a quick-connect fitting for convenience.
- Set the air pressure regulator on your compressor to the recommended operating pressure.

2. Loading Staples:

- Disconnect the tool from the air supply before loading staples.
- Locate the staple magazine release mechanism, typically a latch or button.
- Open the magazine and insert a stick of compatible staples (e.g., SB103020 series) into the channel, ensuring they are oriented correctly.
- Close the magazine securely until it latches.

3. Initial Test:

- Reconnect the air supply.
- Test the tool on a scrap piece of material to ensure staples are feeding and fastening correctly.

5. Operating Instructions

The Bostitch P51-10B is designed for single-shot stapling. Follow these steps for effective operation:

1. **Prepare Workpiece:** Position the materials to be fastened securely. Ensure the area where the staple will be driven is clear of hands or other obstructions.
2. **Position Tool:** Place the stapling pliers over the material where the staple is to be driven. The high throat allows for flexible placement, even over box flanges.
3. **Engage and Staple:** Firmly press the tool down onto the material. The powerful shuttle blade will pre-compress the material. Once properly seated, squeeze the trigger to drive the staple.
4. **Inspect Fastening:** After each staple, inspect the closure to ensure it is tight and secure. The tool is capable of penetrating and securely fastening up to 2x AB flute or 4x C flute boards.
5. **Reposition:** Release the trigger and reposition the tool for the next staple.



Figure 5.1: The stapling pliers positioned for operation, demonstrating the high throat clearance.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Bostitch P51-10B Pneumatic Stapling Pliers.

- **Daily:**

- Disconnect from air supply.
- Wipe down the tool with a clean, dry cloth to remove dust and debris.
- Add a few drops of pneumatic tool oil into the air inlet before each use or at the end of the day.

- **Weekly/Monthly:**

- Check all screws and fasteners for tightness. Tighten as necessary.
- Inspect the air hose and fittings for wear or damage. Replace if compromised.
- Clean the staple magazine to ensure smooth staple feeding.

- **Storage:**

- Store the tool in a clean, dry environment away from extreme temperatures.
- Always disconnect the air supply and remove any remaining staples before storage.

7. Troubleshooting

Problem	Possible Cause	Solution
Tool does not fire or misfires.	Low air pressure; No staples; Jammed staples; Worn O-rings.	Check air pressure and supply; Load staples; Clear jam (disconnect air first); Consult service center.
Staples not fully driven.	Low air pressure; Incorrect staple length for material; Worn driver blade.	Increase air pressure; Use appropriate staples; Consult service center.
Air leaks from tool.	Loose fittings; Damaged O-rings or seals.	Tighten fittings; Consult service center for seal replacement.
Staples jam frequently.	Incorrect staple size; Damaged magazine; Debris in magazine.	Use recommended staples; Clean magazine; Consult service center.

For issues not listed or if solutions do not resolve the problem, contact Bostitch customer support or an authorized service center.

8. Specifications



Figure 8.1: Dimensional overview of the Bostitch P51-10B.

Attribute	Detail
Model Number	P51-10B
Manufacturer	BOSTITCH
Power Source	Air-powered
Item Weight	6.55 pounds (approx. 2.97 kg)
Product Dimensions (L x W x H)	18.2 x 10.4 x 6.2 inches (approx. 46.2 x 26.4 x 15.7 cm)
Throat Dimensions	6-Inch by 1-Inch high
Material Compatibility	Up to 2x AB flute or 4x C flute boards
Construction Material	Stainless Steel, High Carbon Steel
Color	Black, Silver, White, Yellow
Batteries Required?	No
Date First Available	June 15, 2010

9. Warranty and Support

Bostitch products are manufactured to high-quality standards. For information regarding warranty coverage, please refer to the warranty card included with your product or visit the official Bostitch website. Keep your purchase receipt as proof of purchase for warranty claims.

For technical assistance, parts, or service, please contact Bostitch customer support. Contact information can typically be found on the manufacturer's website or on the product packaging.

You can visit the Bostitch Store for more information:[Bostitch Official Store](#)