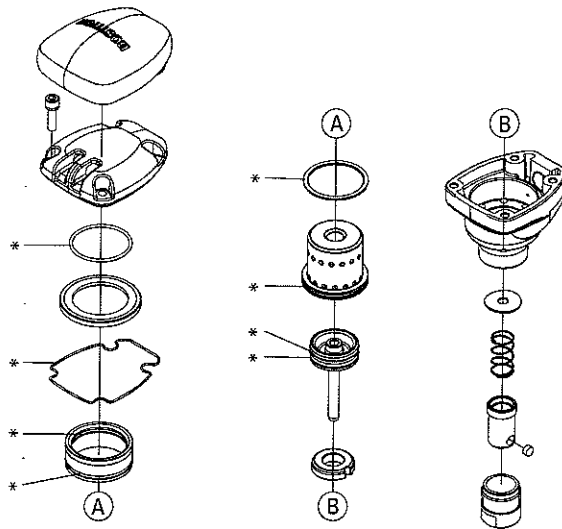


# BOSTITCH®

## PN50

### MINI IMPACT NAILER

### MINI CLAVADORA DE IMPACTO/ MINI CLOUEUSE À CHOC



\* Stanley-Bostitch Part # 186190 contains all o-rings highlighted above.

### OPERATION and MAINTENANCE MANUAL MANUAL DE OPERACIÓN Y DE MANTENIMIENTO MANUEL D'INSTRUCTIONS ET D'ENTRETIEN

#### ▲WARNING:

#### ▲ADVERTENCIA:

#### ▲ATTENTION:

BEFORE OPERATING THIS TOOL, ALL OPERATORS SHOULD STUDY THIS MANUAL TO UNDERSTAND AND FOLLOW THE SAFETY WARNINGS AND INSTRUCTIONS. KEEP THESE INSTRUCTIONS WITH THE TOOL FOR FUTURE REFERENCE. IF YOU HAVE ANY QUESTIONS, CONTACT YOUR BOSTITCH REPRESENTATIVE OR DISTRIBUTOR.

ANTES DE OPERAR ESTA HERRAMIENTA, TODOS LOS OPERADORES DEBERÁN ESTUDIAR ESTE MANUAL PARA PODER COMPRENDER Y SEGUIR LAS ADVERTENCIAS SOBRE SEGURIDAD Y LAS INSTRUCCIONES. MANTENGA ESTAS INSTRUCCIONES CON LA HERRAMIENTA PARA FUTURA REFERENCIA, SI TIENE ALGUNA DUDA, COMUNÍQUESE CON SU REPRESENTANTE DE BOSTITCH O CON SU DISTRIBUIDOR.

LIRE ATTENTIVEMENT LE PRÉSENT MANUEL AVANT D'UTILISER L'APPAREIL. PRÊTER UNE ATTENTION TOUTE PARTICULIÈRE AUX CONSIGNES DE SÉCURITÉ ET AUX AVERTISSEMENTS, GARDER CE MANUEL AVEC L'OUTIL POUR FUTUR RÉFÉRENCE. SI VOUS AVEZ DES QUESTIONS, CONTACTEZ VOTRE REPRÉSENTANT OU VOTRE CONCESSIONNAIRE BOSTITCH.

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**BOSTITCH**  
Stanley Fastening Systems L.P.

## **SAFETY INSTRUCTIONS**

**⚠WARNING:** **EYE PROTECTION** which conforms to ANSI specifications and provides protection against flying particles both from the **FRONT** and **SIDE** should **ALWAYS** be worn by the operator and others in the work area when connecting to air supply, loading, operating or servicing this tool. Eye protection is required to guard against flying fasteners and debris, which could cause severe eye injury.



The employer and/or user must ensure that proper eye protection is worn. Eye protection equipment must conform to the requirements of the American National Standards Institute, ANSI Z87.1 and provide both frontal and side protection. **NOTE:** Non-side shielded spectacles and face shields alone do not provide adequate protection.



**CAUTION:** Additional Safety Protection will be required in some environments. For example, the working area may include exposure to noise level which can lead to hearing damage. The employer and user must ensure that any necessary hearing protection is provided and used by the operator and others in the work area. Some environments will require the use of head protection equipment. When required, the employer and user must ensure that head protection conforming to ANSI Z89.1 is used.

## **ADDITIONAL WARNINGS**

- Place nail into tool only after air source is fully connected.
- Never use this tool in a manner that could cause a fastener to be directed toward the user or others in the work area.
- Do not use the tool as a hammer.
- Never carry the tool by the air hose.
- Do not alter or modify this tool from the original design or function without approval from BOSTITCH.
- Do not operate this tool if it does not contain a legible WARNING LABEL.
- Do not continue to use a tool that leaks air or does not function properly. Notify your nearest Bostitch representative if your tool continues to experience functional problems.

## **AIR SUPPLY AND CONNECTIONS**

**⚠WARNING:** Do not use oxygen, combustible gases, or bottled gases as a power source for this tool as tool may explode, possibly causing injury.

**⚠WARNING:** Do not use supply sources which can potentially exceed 200 P.S.I.G. as tool may burst, possibly causing injury.

**⚠WARNING:** The connector on the tool must not hold pressure when air supply is disconnected. If a wrong fitting is used, the tool can remain charged with air after disconnecting and thus will be able to drive a fastener even after the air line is disconnected possibly causing injury.

**⚠WARNING:** Always disconnect air supply: 1.) Before making adjustments; 2.) When servicing the tool; 3.) When clearing a jam; 4.) When tool is not in use; 5.) When moving to a different work area, as accidental actuation may occur, possibly causing injury.

### **HOSES:**

Air hoses should have a minimum of 150 p.s.i. (10.6 kg/cm<sup>2</sup>) working pressure rating or 150 percent of the maximum pressure that could be produced in the air system. The supply hose should contain a fitting that will provide "quick disconnecting" from the male plug on the tool.

### **REGULATOR:**

A pressure regulator with an operating pressure of 0 - 125 p.s.i. (0 - 8.79 kg/cm<sup>2</sup>) is required to control the operating pressure for safe operation of this tool.

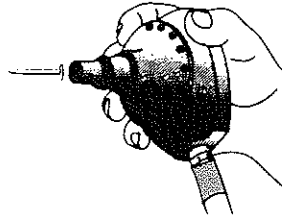
### **OPERATING PRESSURE:**

80 to 100 p.s.i.g. (4.9 to 7.0 kg/cm<sup>2</sup>). Select the operating pressure within this range for best fastener performance. **DO NOT EXCEED THIS RECOMMENDED OPERATING PRESSURE.**

## **OPERATION**

- ▲WARNING:** Always handle the tool with care: 1.) Never engage in horseplay; 2. Keep others a safe distance from the tool while tool is in operation as accidental actuation may occur, possibly causing injury.
- ▲WARNING:** Do not drive fasteners on top of other fasteners or with the tool at an overly steep angle as this may cause deflection of fasteners which could cause injury.
- ▲WARNING:** Do not drive fasteners close to the edge of the work piece as the wood may split, allowing the fastener to be deflected possibly causing injury.
- ▲WARNING:** This nailer produces SPARKS during operation. NEVER use the nailer near flammable substances, gases or vapors including lacquer, paint, benzine, thinner, gasoline, adhesives, mastics, glues or any other material that is – or the vapors, fumes or byproducts of which are – flammable, combustible or explosive. Using the nailer in any such environment could cause an EXPLOSION resulting in personal injury or death to user and bystanders.
- ▲WARNING:** Place nail into tool only after air source is fully connected.

1. Hold tool as shown.
2. Position nail in line with desired fastening direction. Gently push nailer against nail head to activate. The nailer will automatically stop when the nail is driven completely.
3. Drive fasteners into work surface only; never into materials too hard to penetrate.



**NOTE:** If the tool is dropped after the air supply is shut off, the internal cycling mechanism may assume mid-cycle position. When resupplied with air, the tool will remain inoperative and leak air. To reset the internal valve, abruptly slap the tool cap with the palm of the hand to jar the valve into proper position.

## **MAINTAINING THE PNEUMATIC TOOL**

- ▲WARNING:** When working on air tools, note the warnings in this manual and use extra care evaluating problem tools.

### **REPLACEMENT PARTS:**

BOSTITCH replacement parts are recommended. Do not use modified parts or parts which will not give equivalent performance to the original equipment. When repairing a tool, make sure the internal parts are clean and lubricated. Use Parker "O"-LUBE or equivalent on all "O"-rings. Coat each "O"-ring with "O"-LUBE before assembling. Use a small amount of oil on all moving surfaces and pivots. After reassembly add a few drops of BOSTITCH Air Tool Lubricant through the air line fitting before testing.

### **LUBRICATION:**

Frequent, but not excessive, lubrication is required for best performance. Add oil during use into the air fitting on the tool once or twice a day. Only a few drops of oil at a time is necessary. Use BOSTITCH Air Tool Lubricant or equivalent. Do not use detergent oil or additives as these lubricants will cause accelerated wear to the seals and bumpers in the tool, resulting in poor tool performance and frequent tool maintenance.

### **COLD WEATHER OPERATION:**

Near and below freezing, the moisture in the air line may freeze and prevent tool operation. Do not store tools in a cold weather environment to prevent frost or ice formation on the tools operating valves and mechanisms that could cause tool failure. We recommend the use of BOSTITCH WINTER FORMULA air tool lubricant or permanent antifreeze (ethylene glycol) as a cold weather lubricant. **NOTE: Some commercial air line drying liquids are harmful to "O"-rings and seals – do not use these low temperature air dryers without checking compatibility.**