

AEI ICA-19-32

American International Electric ICA-19-32 Automatic Pneumatic Carton Stapler User Manual

Model: ICA-19-32

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1. PRODUCT OVERVIEW

The AEI ICA-19-32 is an automatic pneumatic carton stapler designed for high-speed and efficient stapling of boxes. This robust tool features an air-driven mechanism, automatic anvil return, and adjustable staple clinching and penetration, making it suitable for various packaging applications. Its lightweight design ensures easy operation and reduced user fatigue.

Key features include:

- Air-driven pneumatic stapling for high speed and efficiency.
- Automatic anvil return mechanism.
- Adjustable staple clinching and penetration for versatile use.
- Lightweight design (7 lbs) for easy operation.
- Compatible with 1-1/4" crown staples and 5/8" & 3/4" length staples.
- Staple capacity of 120.

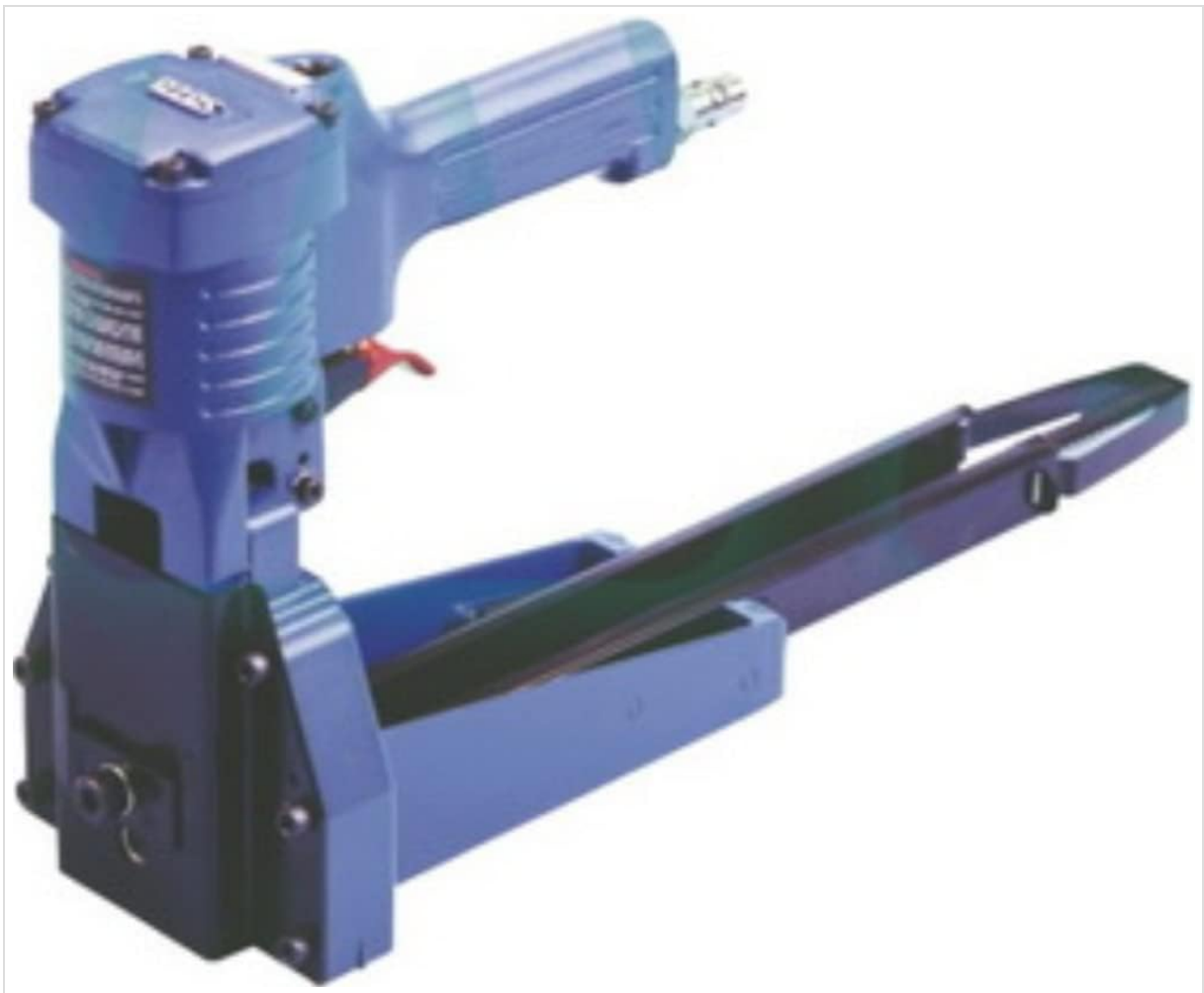


Figure 1: AEI ICA-19-32 Automatic Pneumatic Carton Stapler. This image shows the blue-colored pneumatic stapler from a side angle, highlighting its main body, handle, and the long magazine for staples.

2. SAFETY INFORMATION

Always observe the following safety precautions when operating the ICA-19-32 pneumatic carton stapler to prevent injury and damage to the tool.

- **Read the Manual:** Before operation, thoroughly read and understand all instructions and warnings in this manual.
- **Personal Protective Equipment (PPE):** Always wear safety glasses with side shields that conform to ANSI Z87.1. Hearing protection is also recommended.
- **Air Supply:** Ensure the air compressor and air hose are rated for the required pressure and are in good working condition. Do not exceed the maximum operating pressure of the tool.
- **Disconnect Air:** Always disconnect the air supply before loading staples, performing maintenance, clearing jams, or when the tool is not in use.
- **Secure Workpiece:** Ensure the material being stapled is stable and secure.
- **Keep Hands Clear:** Never place hands or other body parts near the stapling area.
- **Proper Ventilation:** Operate the tool in a well-ventilated area.
- **Tool Condition:** Do not operate the tool if it is damaged or malfunctioning. Have it inspected and repaired by qualified personnel.
- **Use Correct Fasteners:** Only use staples of the specified dimensions and type for this tool.

3. SETUP

3.1 Unpacking

Carefully remove the ICA-19-32 stapler from its packaging. Inspect the tool for any signs of damage that may have occurred during shipping. Retain the packaging for future storage or transport.

3.2 Connecting to Air Supply

1. Ensure your air compressor is turned off and the air tank is drained.
2. Attach a quick-connect coupler (not included) to the air inlet port of the stapler.
3. Connect the air hose from your compressor to the quick-connect coupler on the stapler.
4. Set the air compressor regulator to the recommended operating pressure (refer to specifications section). Do not exceed 90 PSI (6.2 bar).
5. Turn on the air compressor.

3.3 Loading Staples

WARNING: Disconnect the air supply before loading staples to prevent accidental discharge.

1. Ensure the air hose is disconnected from the tool.
2. Locate the staple magazine release latch, typically at the rear or side of the magazine.
3. Pull the magazine follower back until it locks into place.
4. Insert a stick of compatible staples (1-1/4" crown, 5/8" or 3/4" length) into the magazine channel with the staple points facing down.
5. Release the magazine follower, allowing it to gently push the staples forward. Ensure staples are seated correctly.
6. Reconnect the air supply.

4. OPERATING INSTRUCTIONS

4.1 Adjusting Staple Clinching and Penetration

The ICA-19-32 allows for adjustment of staple clinching (how tightly the staple bends) and penetration (how deep the staple goes into the material). Refer to the tool's specific adjustment mechanism, usually a knob or lever near the stapling head. Test on scrap material to achieve desired results.

- **Penetration:** Adjust for different material thicknesses. Deeper penetration for thicker materials, shallower for thinner.
- **Clinching:** Adjust to ensure the staple legs are properly bent and secured against the carton.

4.2 Stapling Procedure

1. Ensure safety glasses are worn and the air supply is connected.
2. Position the stapler's anvil firmly against the carton flap where the staple is to be driven. The anvil should be underneath the material.
3. Press the stapler firmly against the material.
4. Depress the trigger to drive a staple. The automatic anvil return will reset for the next staple.
5. Release the trigger after each staple.
6. Move to the next stapling point and repeat the process.
7. When finished, disconnect the air supply and store the tool safely.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your ICA-19-32 stapler.

5.1 Cleaning

- Disconnect the air supply before cleaning.
- Wipe down the exterior of the tool with a clean, dry cloth.
- Periodically clean the staple magazine and nosepiece to remove dust, debris, or adhesive residue that could cause jams. Use compressed air if necessary, ensuring proper eye protection.

5.2 Lubrication

Apply a few drops of pneumatic tool oil into the air inlet port daily or before each use. This lubricates internal components and prevents corrosion. Do not use motor oil or other non-pneumatic lubricants.

5.3 Storage

When not in use, disconnect the air supply and store the stapler in a clean, dry environment, away from extreme temperatures and direct sunlight. Store in its original case if available.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your ICA-19-32 stapler.

Problem	Possible Cause	Solution
Stapler not firing or weak firing.	Low air pressure; Air leak; No staples; Driver blade worn.	Check air compressor pressure and regulator setting; Inspect air hose and connections for leaks; Load staples; Contact service for driver blade replacement.
Staples jamming.	Incorrect staple size; Damaged staples; Debris in magazine/nosepiece; Worn driver blade.	Ensure correct staple size (1-1/4" crown, 5/8" or 3/4" length); Replace damaged staples; Clean magazine and nosepiece; Contact service for driver blade replacement.
Staples not fully driven.	Low air pressure; Incorrect penetration setting; Material too hard; Worn driver blade.	Increase air pressure (within limits); Adjust penetration setting; Ensure material is suitable for stapling; Contact service for driver blade replacement.
Air leaking from tool.	Loose fittings; Damaged O-rings/seals.	Tighten fittings; Contact service for O-ring/seal replacement.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact AEI customer support or a qualified service technician.

7. SPECIFICATIONS

Attribute	Value
Model Number	ICA-19-32
Brand	AEI (American International Electric)

Attribute	Value
Operation Mode	Automatic
Staples Dimension Crown	1-1/4"
Staples Dimension Length	5/8" & 3/4"
Staple Capacity	120
Item Weight	7 pounds (3.17 kg)
Color	Blue
Manufacturer	American International Electric

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Specific warranty terms for the AEI ICA-19-32 Automatic Pneumatic Carton Stapler are typically provided with the product at the time of purchase or can be obtained directly from American International Electric. Please retain your proof of purchase for warranty claims.

For details regarding warranty coverage, duration, and conditions, please refer to the warranty card included with your product or visit the official AEI website.

8.2 Customer Support

For technical assistance, spare parts, or service inquiries, please contact American International Electric customer support. Contact information can usually be found on the manufacturer's website or on the product packaging.

When contacting support, please have your model number (ICA-19-32) and purchase date readily available.