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› JCN90V Air Coil Nail Gun User Manual

TACWISE JCN90V

JCN90V Air Coil Nail Gun User Manual

Model: JCN90V | Brand: TACWISE

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your TACWISE JCN90V Air Coil Nail Gun. Please read this manual thoroughly before operating the tool to ensure proper use and to prevent injury or damage.

The JCN90V is a heavy-duty flat-top coil nailer designed for speed, reliability, and continuous nailing in various industrial and construction applications. It features an ergonomic, well-balanced magnesium alloy body with a cylindrical magazine drum and soft rubber grip for enhanced control.



Figure 1.1: The TACWISE JCN90V Air Coil Nail Gun, showcasing its robust design and magazine drum.

2. SAFETY INFORMATION

Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and gloves, when operating the nail gun. Ensure the work area is clear of obstructions and bystanders. Disconnect the air supply before performing any adjustments, maintenance, or when the tool is not in use.

- Never point the tool at yourself or others.
- Do not operate the tool if it is damaged or malfunctioning.

- Use only recommended fasteners (2.5 – 3.3 mm diameter, 50 - 90 mm long flat top coil nails).
- Maintain a firm grip on the tool during operation.
- Ensure the air compressor is set to the recommended operating pressure (70-120 PSI).

3. PRODUCT OVERVIEW

The JCN90V is engineered for professional use, offering features that enhance performance and user control.

Key Features:

- **Magnesium Alloy Body:** Lightweight (3.5kg) yet durable construction.
- **Firing Modes:** Sequential (single shot) and Contact Trip (bump) firing modes.
- **Depth Control:** Countersinking adjuster for precise flush nailing.
- **Exhaust Port:** 360° multi-directional air deflecting exhaust port.
- **Safety:** Safety contact tip and non-marking nose.
- **High-Capacity Magazine:** Holds up to 275 coil nails.



Model	Operating Pressure		
JCN90V	70-120 PSI		
Nail Size	Fastening	Length	
5-7mm	2.5 - 3.33 dia. Wire Coated Coil Nails (F&B)	50-90mm	
Important - Only use Tacwise fasteners. Tacwise Group Plc, England			

Figure 3.1: The JCN90V nail gun positioned on wooden planks, with a coil of nails ready for use.

4. SETUP

4.1 Unpacking and Inspection:

Carefully remove the nail gun and all accessories from the carry case. Verify that all components listed in the packaging are present: JCN90V nail gun, blow mould carry case, 4 x Hex Keys, Safety Glasses, Air tool oil, and this Manual. Inspect the tool for any signs of damage that may have occurred during shipping.

4.2 Connecting to Air Compressor:

The JCN90V requires an air compressor for operation (compressor not included). Ensure your air compressor is capable of delivering consistent pressure between 70-120 PSI.

1. Ensure the air compressor is turned off and depressurized.
2. Connect a suitable air hose to the air inlet fitting on the nail gun.
3. Turn on the air compressor and adjust the regulator to the desired operating pressure (70-120 PSI).
4. Check all connections for air leaks.



Figure 4.1: Illustration emphasizing the requirement of an external air compressor for the nail gun's operation, shown alongside a coil of nails.

5. OPERATING INSTRUCTIONS

5.1 Loading Nails:

The JCN90V uses flat top coil nails with diameters of 2.5 – 3.3 mm and lengths of 50 - 90 mm. It is recommended to use Tacwise nails for optimal performance.

1. Open the magazine cover.
2. Place a coil of nails into the magazine drum, ensuring the nails are correctly oriented.
3. Feed the first few nails into the firing mechanism track.
4. Close the magazine cover securely.

5.2 Firing Modes:

The JCN90V offers two firing modes:

- **Sequential Firing (Single Shot):** For precise, individual nail placement. The trigger must be released and pressed for each

nail.

- **Contact Trip Firing (Bump):** For rapid, repetitive nailing. Hold the trigger and press the contact tip against the workpiece to fire nails.

Refer to the tool's specific selector switch for changing between modes.

5.3 Depth Adjustment:

The depth control countersinking adjuster allows for precise flush nailing. Rotate the adjustment dial or lever (location varies by tool design, refer to tool diagram) to increase or decrease the nailing depth. Test on a scrap piece of material to achieve the desired depth before working on your project.



Figure 5.1: An operator demonstrating the use of the JCN90V nail gun in a construction setting, highlighting its application in timber framing or similar tasks.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your JCN90V nail gun. Always disconnect the air supply before performing any maintenance.

6.1 Lubrication:

Apply a few drops of air tool oil (included) into the air inlet daily or before each use. This lubricates internal components and prevents corrosion.

6.2 Cleaning:

Keep the tool clean and free of debris. Periodically clean the nosepiece and magazine area to prevent nail jams. Use compressed air to blow out dust and small particles from the tool's vents and moving parts.

6.3 Storage:

When not in use, store the nail gun in its original carry case in a dry, clean environment, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your JCN90V nail gun.

Problem	Possible Cause	Solution
Nail jams frequently	Incorrect nail size/type, dirty magazine, worn driver blade	Ensure correct nails are used. Clean magazine. Inspect and replace driver blade if necessary.
Nail gun not firing	No air supply, low air pressure, empty magazine, safety engaged	Check air hose connection and compressor pressure. Load nails. Ensure contact tip is fully depressed.
Nails not driven flush	Low air pressure, depth adjustment incorrect	Increase air pressure. Adjust depth control.
Air leaks from tool	Loose fittings, damaged O-rings/seals	Tighten fittings. Inspect and replace O-rings/seals.

For issues not covered here, please contact TACWISE customer support or refer to the official product website.

8. SPECIFICATIONS

Attribute	Detail
Model	JCN90V
Brand	TACWISE
Nail Type	Flat Top Coil Nails
Nail Diameter	2.5 – 3.3 mm
Nail Length	50 - 90 mm
Magazine Capacity	Up to 275 nails
Operating Pressure	70 - 120 PSI
Weight	3.5 kg (7.72 pounds)
Product Dimensions (L x W)	18.98"L x 18.43"W
Material	Magnesium Alloy Body, Rubber Handle

Attribute	Detail
Included Components	JCN90V, Carry case, 4 x Hex Key, Safety Glasses, Air tool oil, Manual



Figure 8.1: Dimensional view of the JCN90V nail gun, illustrating its height (366mm) and width (355mm).

9. WARRANTY AND SUPPORT

For detailed warranty information, technical support, or to purchase replacement parts, please refer to the official TACWISE website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.
Note: Specific warranty terms and conditions may vary by region.



