

## Proster GR030-PST

# Proster Pneumatic Rivet Nut Gun

MODEL: GR030-PST

## Introduction

This manual provides essential instructions for the safe and efficient operation, setup, and maintenance of your Proster GR030-PST Pneumatic Rivet Nut Gun. This tool is designed for installing rivet nuts in various materials, offering a labor-saving and durable solution for assembly tasks. Its ergonomic design ensures comfortable use during prolonged periods.

The Proster GR030-PST is suitable for a wide range of applications, including the decoration industry, automobile manufacturing, container production, electrical and electronic manufacturing, luggage manufacturing, and general machinery manufacturing.

## Safety Information

- Always wear appropriate personal protective equipment, including safety glasses, gloves, and hearing protection, when operating the tool.
- Ensure the air supply is disconnected before performing any maintenance, changing mandrels, or when the tool is not in use.
- Do not operate the tool if it is damaged or malfunctioning. Refer to the troubleshooting section or contact support.
- Keep hands and body parts clear of moving parts during operation.
- Use the tool only for its intended purpose: installing rivet nuts of specified sizes.
- Maintain a stable footing and balance when operating the tool.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Do not exceed the recommended air pressure for the tool.

## Package Contents

The Proster GR030-PST Pneumatic Rivet Nut Gun kit includes the following items:

- Pneumatic Rivet Nut Gun
- Interchangeable Mandrels (M4, M5, M6, M8, M10)
- Rivet Nuts (100 pieces, various sizes)
- Wrenches for Mandrel Replacement
- Air Pump Pipe Connector (1/4")
- Robust Plastic Storage Case



Image: Complete kit contents, showing the pneumatic rivet nut gun, interchangeable mandrels, a selection of rivet nuts, wrenches for maintenance, and the protective storage case.

## Product Overview and Components

Familiarize yourself with the main components of the Proster Pneumatic Rivet Nut Gun:



Image: Labeled diagram of the pneumatic rivet nut gun, highlighting key parts for identification and function.

**Screw Sleeve:** Contains a leak-proof rubber ring to ensure air tightness.

**Mandrel Part:** The interchangeable component that holds the rivet nut. Choose the correct M4-M10 mandrel based on your specific needs.

**Nut Push Out Knob:** Used to separate the mandrel stem from the riveted nut after installation.

**Start Switch:** A simple trigger mechanism to initiate the riveting process.

**Vent:** An exhaust port for air during operation.

**Oil Filling Hole:** Located at the bottom of the product. The bottom cover needs to be removed to access this for lubrication.

**Air Pump Pipe Connector (1/4"):** Connects the air hose from your compressor to the tool. This connector is fixed and does not rotate.

## Specifications

Feature	Specification
Brand	Proster
Model	GR030-PST
Item Weight	2.8 Kilograms

Feature	Specification
Package Dimensions	32.7 x 23.5 x 12.2 cm
Rivet Nut Capacity	M4, M5, M6, M8, M10
Drive Type	Pneumatic Hydraulic

## 5 Interchangeable Mandrels



					
	M4	M5	M6	M8	M10
Qty of Rivet	30pcs	30pcs	20pcs	10pcs	10pcs
Aluminum,Iron, Stainless steel, Steel	✓	✓	✓	✓	✓

Image: Details on interchangeable mandrels and compatible rivet nut quantities and materials.

### Setup

#### 1. Connecting to Air Supply

1. Ensure your air compressor is off and the air hose is depressurized.
2. Connect the 1/4" air pump pipe connector on the tool to your air hose.
3. Set your air compressor to the recommended operating pressure (refer to tool specifications or manufacturer guidelines for pneumatic tools).
4. Turn on the air compressor.

#### 2. Selecting and Installing Mandrels



The tool comes with interchangeable mandrels for different rivet nut sizes (M4, M5, M6, M8, M10). Always select the mandrel that matches the rivet nut you intend to use.



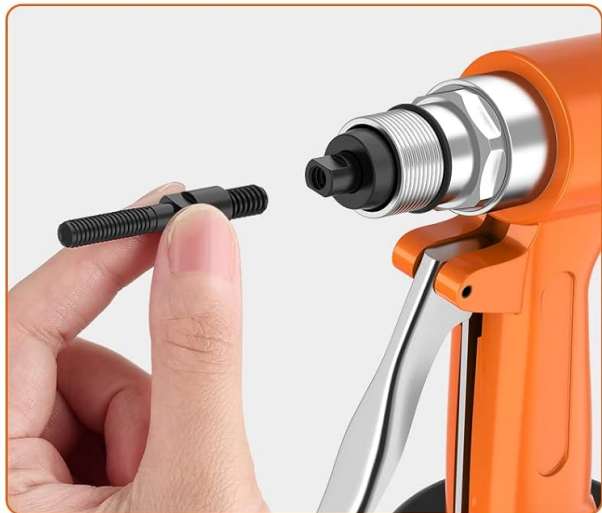
1. Unscrew the mandrill part counter-clockwise



2. Unscrew the nut sleeve counter-clockwise



3. Use two wrenches, one wrench is used for fixing, and the other wrench is rotated counter-clockwise



4. Replace other mandrill

Image: Step-by-step guide for replacing the mandrel.

1. **Unscrew the Mandrel Part:** Rotate the existing mandrel part counter-clockwise to remove it.
2. **Unscrew the Nut Sleeve:** Rotate the nut sleeve counter-clockwise to detach it.
3. **Use Wrenches:** If necessary, use the provided wrenches to loosen or tighten the mandrel components. One wrench is used for fixing the mandrel part, and the other wrench is rotated counter-clockwise to loosen the nut sleeve.
4. **Replace Mandrel:** Insert the desired mandrel (M4-M10) into the tool and tighten all components securely by rotating clockwise. Ensure the nut sleeve is firmly attached.

## Operating Instructions

Follow these steps for proper operation of the pneumatic rivet nut gun:



**1.** According to the nut head, select the appropriate nut



**2.** Tighten the nut



**3.** Place the pneumatic gun on the target working area, and press the start switch



**4.** Turn the nut push out knob

Image: Step-by-step guide for operating the rivet nut gun.

1. **Select Rivet Nut:** Choose the appropriate rivet nut size that matches the installed mandrel and your application.
2. **Load Rivet Nut:** Thread the selected rivet nut onto the mandrel until it is snug.
3. **Position Tool:** Place the pneumatic gun on the target workpiece, ensuring the rivet nut is properly seated in the pre-drilled hole.
4. **Initiate Riveting:** Press the start switch (trigger) to activate the pneumatic mechanism. The tool will pull the mandrel, deforming the rivet nut to create a secure fastening. The quick-release air valve ensures rapid cylinder return for efficient operation.
5. **Release Riveted Nut:** Once the rivet nut is installed, turn the nut push-out knob to separate the mandrel stem from the riveted nut.
6. **Repeat:** For subsequent installations, repeat steps 2-5.

## Maintenance

Regular maintenance ensures the longevity and optimal performance of your pneumatic rivet nut gun.

- **Cleaning:** Keep the tool clean and free from debris. Wipe down the exterior with a clean, dry cloth after each use.

- **Lubrication (Oil Filling):** Periodically lubricate the internal pneumatic components. To access the oil filling hole, remove the bottom cover of the tool. Use a few drops of pneumatic tool oil. Refer to the 'Product Overview' section for the location of the oil filling hole.
- **Mandrel Inspection:** Regularly inspect mandrels for wear or damage. Replace worn mandrels to ensure proper rivet nut installation and prevent damage to the tool.
- **Air Line Maintenance:** Ensure your air supply line is clean and dry. Use an air filter/regulator/lubricator (FRL unit) to prevent moisture and contaminants from entering the tool.
- **Storage:** Store the tool in its plastic case in a dry, clean environment when not in use.

## Troubleshooting

If you encounter issues with your Proster Pneumatic Rivet Nut Gun, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tool does not operate or has low power.	Insufficient air pressure or air supply.	Check air compressor pressure and ensure adequate air flow. Verify air hose connections are secure.
Rivet nut does not install correctly or strips.	Incorrect mandrel size or worn mandrel.	Ensure the mandrel matches the rivet nut size. Replace worn or damaged mandrels.
Air leakage from the tool.	Loose connections or damaged seals.	Check all air connections for tightness. Inspect the screw sleeve for damage to the rubber ring.
Mandrel stem gets stuck in the riveted nut.	Nut push-out knob not used correctly or internal mechanism issue.	Ensure the nut push-out knob is fully turned after riveting. If the problem persists, internal lubrication may be needed.

If the problem persists after attempting these solutions, please contact Proster customer support.

## Warranty and Support

Proster products are manufactured to high-quality standards. For warranty information, please refer to the documentation included with your purchase or visit the official Proster website. For technical support, replacement parts, or any inquiries not covered in this manual, please contact Proster customer service through their official channels.