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Pilipane Pilipaneo416rxkq3w

Pilipane 1/4 Inch Hex Rivet Drill Adapter User Manual

Model: Pilipaneo416rxkq3w

Introduction

This user manual provides comprehensive instructions for the safe and efficient operation of your Pilipane 1/4 Inch Hex Rivet Drill Adapter. Please read this manual thoroughly before initial use and retain it for future reference. This adapter is designed to convert a standard electric drill into a powerful riveting tool, suitable for various applications in factory work, DIY home projects, woodworking, and more.

Safety Information

Always observe basic safety precautions when using power tools. Failure to do so may result in injury or damage to the tool.

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure your work area is well-lit and clear of obstructions.
- Do not operate the rivet adapter with a drill that has an impact function.
- Keep hands and loose clothing away from moving parts.
- Disconnect the drill from the power source before making any adjustments or changing nozzles.
- Store the tool in a dry, secure place when not in use.

Product Components

The Pilipane 1/4 Inch Hex Rivet Drill Adapter kit includes the following components:

- Rivet Drill Adapter Unit
- Nozzles: 2.4mm, 3.2mm, 4.0mm, 4.8mm
- Wrenches (2 pieces) for installation and nozzle changes



Image: The Pilipane 1/4 Inch Hex Rivet Drill Adapter shown with its accompanying wrenches and rivet nozzles.

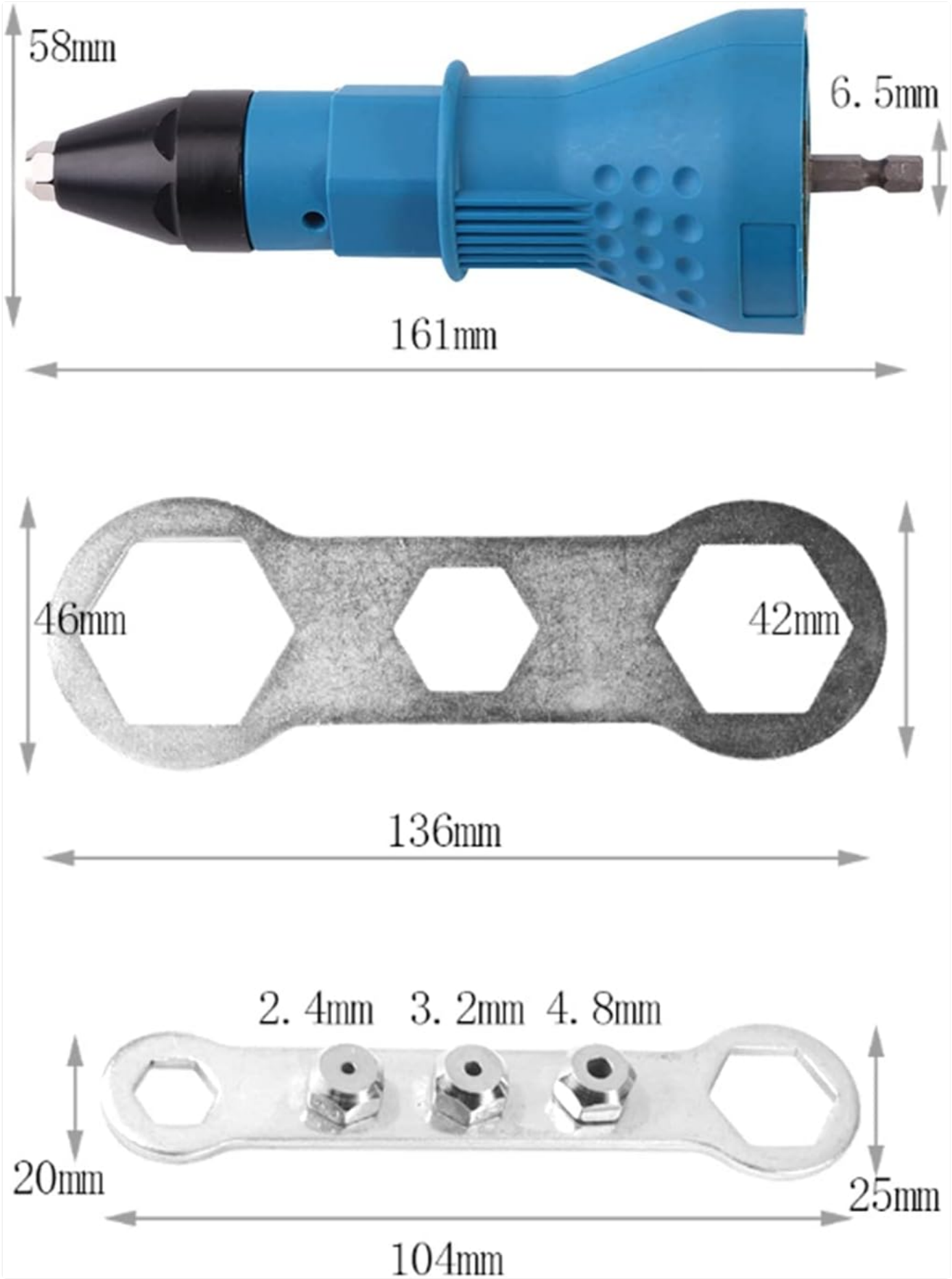


Image: A close-up view of the rivet drill adapter, showing the various sized nozzles (2.4mm, 3.2mm, 4.0mm, 4.8mm) and the two wrenches used for assembly and maintenance.

Setup and Installation

Follow these steps to properly set up your rivet drill adapter with an electric drill:

1. **Select the Correct Nozzle:** Choose the appropriate nozzle size (2.4mm, 3.2mm, 4.0mm, or 4.8mm) that matches the diameter of the rivet you intend to use.
2. **Attach Nozzle:** Screw the selected nozzle onto the front of the rivet adapter. Use the provided wrenches to tighten it securely.
3. **Insert into Drill Chuck:** Insert the hexagonal shank of the rivet adapter into the chuck of your electric drill. Ensure the drill chuck is tightened firmly around the hexagonal shank to prevent slippage during operation.
4. **Adjust Drill Setting:** Set your electric drill to a low-speed, high-torque setting. Ensure the drill is set to forward rotation. *Do not use drills with impact function.*



Image: The hexagonal shank of the rivet adapter being inserted and secured into the chuck of an electric drill.

Operating Instructions

Once the adapter is properly installed, follow these steps for riveting:

1. **Insert Rivet:** Insert the rivet into the nozzle of the adapter.
2. **Position the Tool:** Place the rivet head against the material to be joined. Ensure the rivet is perpendicular to the surface.
3. **Start Drilling (Clockwise):** Activate the electric drill in a clockwise direction. The adapter will pull the rivet stem, expanding the rivet and securing the materials. Continue until you hear a distinct "rattling" sound, indicating the rivet stem has broken off.
4. **Remove Broken Stem (Counter-clockwise):** Once the rivet is set and the stem has broken, reverse the drill's rotation (counter-clockwise). This will eject the broken rivet stem from the adapter.
5. **Repeat:** For multiple rivets, repeat steps 1-4.



Image: Illustration showing the clockwise rotation for rivet insertion and counter-clockwise rotation for ejecting the broken rivet stem.



Image: The rivet adapter being used to install rivets on both a metal sheet and a wooden surface, demonstrating its versatility.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your rivet adapter.

- **Cleaning:** After each use, clean the adapter to remove any debris or metal shavings. Use a dry cloth.
- **Nozzle Inspection:** Periodically inspect the nozzles for wear or damage. Replace them if necessary to ensure proper riveting.
- **Lubrication:** Apply a small amount of machine oil to the internal moving parts occasionally to ensure smooth operation.
- **Storage:** Store the adapter and its components in a clean, dry place, away from moisture and extreme temperatures.



Image: A wrench being used to open the head of the rivet adapter for cleaning or maintenance, demonstrating how to access internal components.

Troubleshooting

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Rivet not setting properly.	Incorrect nozzle size; insufficient drill torque; worn nozzle.	Ensure nozzle matches rivet size. Use a drill with sufficient torque (≥1.5 N.m). Replace worn nozzle.
Rivet stem not breaking off.	Insufficient drill speed/torque; rivet too strong for tool.	Increase drill speed/torque. Ensure drill is set to forward. Verify rivet material compatibility.
Adapter getting stuck.	Debris inside; lack of lubrication.	Clean the adapter thoroughly. Apply lubrication to internal parts. Use wrenches to open if stuck.
Excessive noise during operation.	Loose connection to drill; internal wear.	Ensure adapter is securely fastened in drill chuck. Inspect for internal wear and lubricate.

Specifications

Feature	Detail
Function	Riveting
Nozzle Sizes	2.4 mm, 3.2 mm, 4.0 mm, 4.8 mm
Minimum Electric Drill Torque	≥1.5 N.m
Material	High-speed steel, Quality plastic
Weight (approx.)	422 g
Dimensions (Adapter)	161mm (Length) x 58mm (Max Diameter)
Hex Shank Size	6.5mm
Manufacturer Part Number	Pilipaneo416rxkq3w



Image: Detailed diagram showing the dimensions of the rivet adapter, the main wrench, and the nozzle wrench with various nozzle sizes.

Warranty and Support

For warranty information or technical support, please contact Pilipane customer service through the retailer where the product was purchased. Please have your product model number (Pilipaneo416rxkq3w) and purchase date available when contacting support.

Note: The rivet gun is not applicable to drills with impact function. Due to manual measurement, there may be some error in dimensions.

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