

Ejoyous Ejoyousznbghigay

Ejoyous 10.5 Inch Front Screw Woodworking Bench Vise Instruction Manual

Model: Ejoyousznbghigay

1. INTRODUCTION

Thank you for choosing the Ejoyous 10.5 Inch Front Screw Woodworking Bench Vise. This heavy-duty steel vise is designed for a variety of applications including woodworking, engineering, and welding. Its robust construction and precise machining ensure reliable and efficient clamping for your projects. This manual provides essential information for the safe and effective setup, operation, and maintenance of your new vise.

Please read this manual thoroughly before installation and use, and retain it for future reference.

2. PRODUCT COMPONENTS

The Ejoyous Front Screw Woodworking Bench Vise package includes the following components:

- 1 x Woodworking Rail (Vise Assembly)
- 6 x Long Screws with Screw Caps
- 4 x Short Screws with Screw Caps



Figure 2.1: All components included in the package, showing the main vise assembly and the accompanying long and short screws with caps.

3. SETUP AND INSTALLATION

Proper installation is crucial for the stability and safe operation of your vise. This vise is designed to be mounted to a workbench or machine table.

3.1 Mounting the Vise

1. **Prepare the Workbench:** Select a sturdy workbench or machine table with sufficient thickness to securely hold the vise. Ensure the mounting surface is clean and level.
2. **Position the Vise:** Place the vise assembly on the desired mounting location. The base plate of the vise features pre-drilled slots for attachment.
3. **Mark Drilling Points:** Use the slots in the vise's base plate as a template to mark the drilling points on your workbench.
4. **Drill Pilot Holes:** Carefully drill pilot holes through the workbench at the marked points. Ensure the drill bit size is appropriate for the provided screws.
5. **Secure the Vise:** Align the vise with the drilled holes. Insert the appropriate screws (long or short, depending on your workbench thickness) through the slots and secure them with the screw caps from underneath the workbench. Tighten all screws firmly to prevent any movement during use.

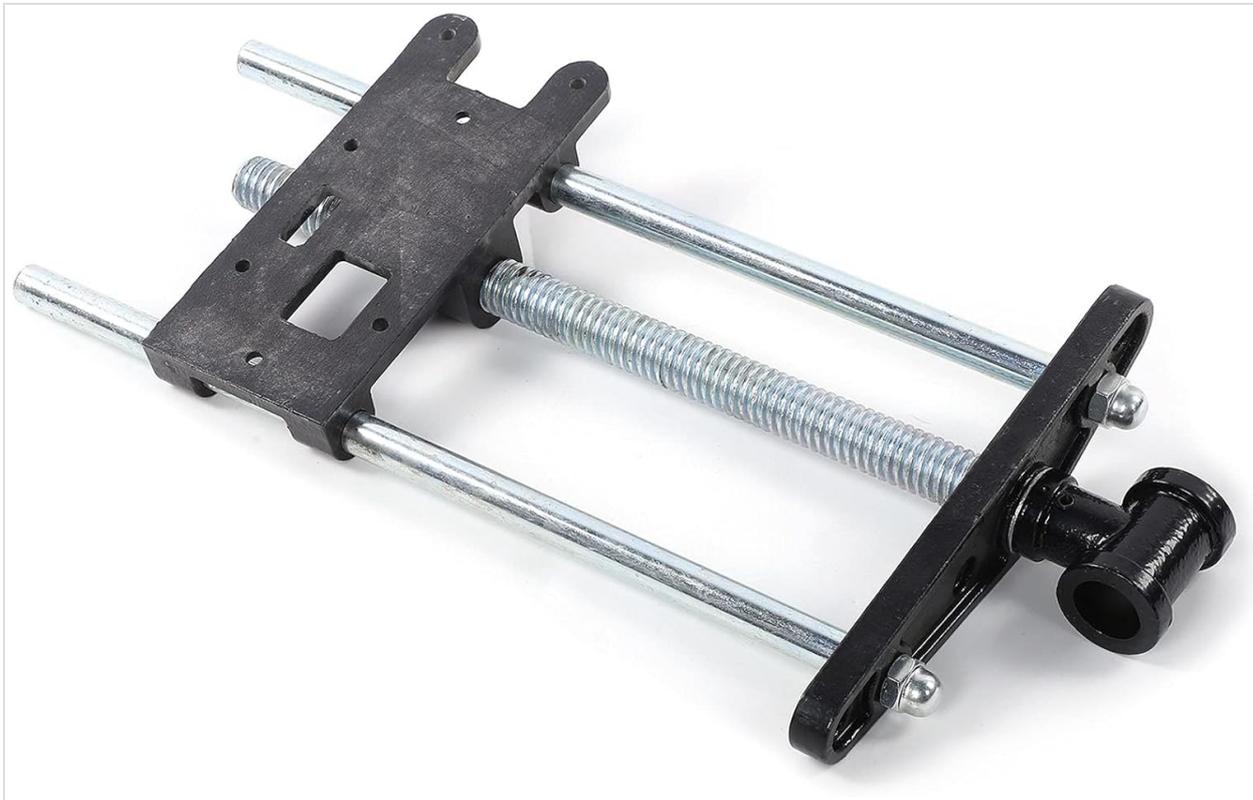


Figure 3.1: Underside view of the vise, highlighting the base plate and mounting slots for secure attachment to a workbench.



Figure 3.2: Example of the vise mounted to a workbench, illustrating its vertical clamping capability.

4. OPERATING INSTRUCTIONS

The Ejoyous Front Screw Vise is designed for efficient and secure clamping of workpieces. Follow these steps for proper operation:

1. **Open the Vise:** Rotate the handle counter-clockwise to open the vise jaws to a width slightly larger than your workpiece.
2. **Position the Workpiece:** Place the workpiece securely between the vise jaws. Ensure it is stable and will not shift during clamping.
3. **Close and Tighten:** Rotate the handle clockwise to close the jaws until they make firm contact with the workpiece. Continue to tighten until the workpiece is held securely. Do not overtighten, as this can damage the workpiece or the vise.
4. **Release the Workpiece:** Once your task is complete, rotate the handle counter-clockwise to release the clamping pressure and remove the workpiece.

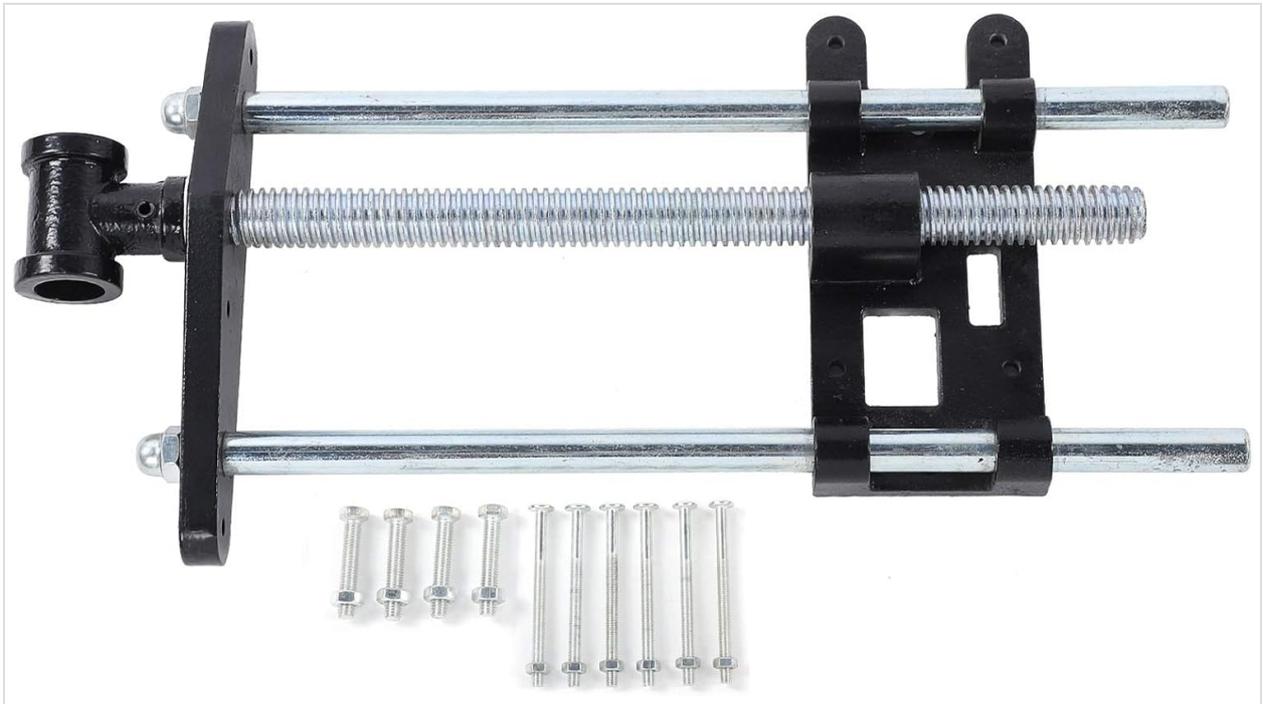


Figure 4.1: The Ejoyous Front Screw Vise in its assembled state, ready for operation.



Figure 4.2: Detail of the handle and main screw, which controls the opening and closing of the vise jaws.

5. MAINTENANCE

Regular maintenance will ensure the longevity and optimal performance of your Ejoyous Front Screw Vise.

- **Cleaning:** After each use, clean any sawdust, metal shavings, or debris from the screw mechanism, guide bars, and jaws. A stiff brush or compressed air can be used.
- **Lubrication:** Periodically apply a light coat of machine oil or grease to the main screw and guide bars to ensure smooth operation and prevent rust. Avoid excessive lubrication that could attract dust.
- **Inspection:** Regularly inspect all components for wear, damage, or loose fasteners. Tighten any loose screws or bolts. If any part is damaged, discontinue use and replace it before further operation.
- **Storage:** Store the vise in a dry environment to prevent corrosion.



Figure 5.1: Detail of the screw and guide bars, critical areas for regular cleaning and lubrication.

6. TROUBLESHOOTING

If you encounter issues with your Ejoyous Front Screw Vise, consider the following common troubleshooting steps:

- **Vise Jaws Not Moving Smoothly:** Check for debris in the screw mechanism or on the guide bars.

Clean and apply lubricant as described in the Maintenance section.

- **Workpiece Slipping:** Ensure the vise is securely mounted to the workbench. Check that the jaws are clean and free of oil or grease that could reduce grip. Tighten the vise firmly, but do not overtighten.
- **Excessive Play in Jaws:** Inspect the guide bars and their connections for any looseness. Ensure all mounting screws are tight.

If problems persist after attempting these steps, please contact Ejoyous customer support for assistance.

7. SPECIFICATIONS

Key specifications for the Ejoyous Front Screw Woodworking Bench Vise:

Feature	Specification
Material	Steel
Item Weight	18.55 pounds (approx. 8.41 kg)
Package Dimensions	22.44 x 11.81 x 3.15 inches
Model Number	Ejoyousznbghigay
Manufacturer	Ejoyous

8. SAFETY INFORMATION

Always observe the following safety precautions when using the vise:

- Wear appropriate personal protective equipment (PPE), such as safety glasses, when working with tools and materials held in the vise.
- Ensure the vise is securely mounted to a stable workbench before use.
- Do not overtighten the vise, as this can damage the workpiece, the vise, or the workbench.
- Do not use the vise as an anvil or strike it with a hammer, as this can cause damage.
- Keep hands and fingers clear of the jaws and moving parts when operating the vise.
- Do not exceed the maximum clamping capacity of the vise.
- Keep children and unauthorized personnel away from the work area.

9. WARRANTY AND SUPPORT

Ejoyous products are manufactured to high-quality standards. For any questions, technical support, or warranty inquiries, please contact Ejoyous customer service through the retailer where the product was purchased or visit the official Ejoyous website for contact information.

Please have your model number (Ejoyousznbghigay) and purchase details available when contacting support.