

PONY H_3/4_Inch

PONY PRO Pipe Clamp Fixture User Manual

Model: H Style 3/4 Inch

Brand: PONY

INTRODUCTION

The PONY PRO 2-Pack Heavy-Duty Wood Gluing Pipe Clamp Fixture is designed for professional woodworkers and DIY enthusiasts. These robust clamps are suitable for use with 3/4-inch black pipes of any length, providing a versatile solution for various woodworking projects. Crafted from tough cast iron, they offer high clamping pressure and secure adjustment, making your work more efficient and precise.

PRODUCT OVERVIEW

Each PONY PRO Pipe Clamp Fixture consists of two main components designed to work with a standard 3/4-inch pipe (not included). The fixed jaw threads onto one end of the pipe, while the movable jaw slides along the pipe, secured by a multiple-disc clutch system.



Image: Two sets of PONY PRO Pipe Clamp Fixtures, showing the fixed jaw, movable jaw, and included coil springs. These fixtures are designed to be used with 3/4-inch black pipes, which are not included.

Key Features:

- **3/4-inch Pipe Compatibility:** Designed for use with any length of 3/4-inch black pipe, allowing for customizable clamping lengths.
- **Wide Applications:** Ideal for various woodworking projects, featuring a large clamping face (2-1/8 inches) suitable for broad surfaces.
- **Iron Cast Material:** Constructed from tough cast iron for durability and equipped with a multiple-disc clutch for high clamping pressure and secure adjustment.
- **High Stand:** A 2-3/8-inch high stand provides a stable work base, preventing interference with the workbench surface.
- **Easy to Use:** Features an adjustable handle to strengthen clamping force and a coil spring to prevent clamps from slipping. Simple to assemble for both industrial and DIY projects.

SETUP AND ASSEMBLY

Assembling your PONY PRO Pipe Clamp Fixture is straightforward. You will need a 3/4-inch black pipe with one end threaded. The length of the pipe will determine the maximum clamping capacity of your tool.

Assembly Steps:

1. **Prepare the Pipe:** Ensure your 3/4-inch black pipe has clean, threaded ends. If cutting a longer pipe, ensure one end is professionally threaded.
2. **Attach Fixed Jaw:** Screw the fixed jaw (the component with the handle and threaded screw) onto the threaded end of the pipe. Tighten it securely to ensure maximum clamping force.



Image: A person's hands screwing the fixed jaw of the pipe clamp onto the threaded end of a black pipe. This forms the stationary end of the clamp.

3. **Slide Movable Jaw:** Slide the movable jaw (the component with the multiple-disc clutch) onto the unthreaded end of the pipe. The clutch mechanism allows it to slide freely when tilted, but grip firmly when pressure is applied.

The original™
SINCE 1903



Image: The two main components of the pipe clamp fixture (fixed jaw with screw and movable jaw with clutch) laid out next to a black pipe, ready for assembly.

4. **Insert Coil Spring:** A small coil spring is included. This spring is typically placed on the pipe between the movable jaw and the fixed jaw to help prevent the movable jaw from slipping when not under load.

Visual Assembly Guide:



Video: Official PONY PRO Pipe Clamps 3/4 Inch assembly and usage demonstration. This video provides a visual guide on how to set up and operate the pipe clamps for various woodworking tasks.

OPERATING INSTRUCTIONS

Using the PONY PRO Pipe Clamp Fixture is intuitive once assembled. These clamps are designed to provide strong, even pressure for gluing and holding workpieces.

1. **Position Workpiece:** Place your workpiece between the fixed and movable jaws. Ensure the clamping faces are clean and free of debris to prevent marring the material.
2. **Adjust Movable Jaw:** Slide the movable jaw along the pipe until it is close to the workpiece. The multiple-disc clutch will engage when pressure is applied.
3. **Apply Clamping Force:** Turn the handle on the fixed jaw clockwise to advance the screw and apply clamping

pressure. Continue turning until the desired pressure is achieved. The robust cast iron construction ensures high clamping force.



Ergonomic Handle

Image: A person's hands operating a PONY PRO pipe clamp to secure a wooden board. The handle is being turned to tighten the clamp, demonstrating the application of clamping force.

4. **Release Clamp:** To release the clamp, turn the handle counter-clockwise to relieve pressure. Then, disengage the multiple-disc clutch on the movable jaw to slide it back and remove the workpiece.

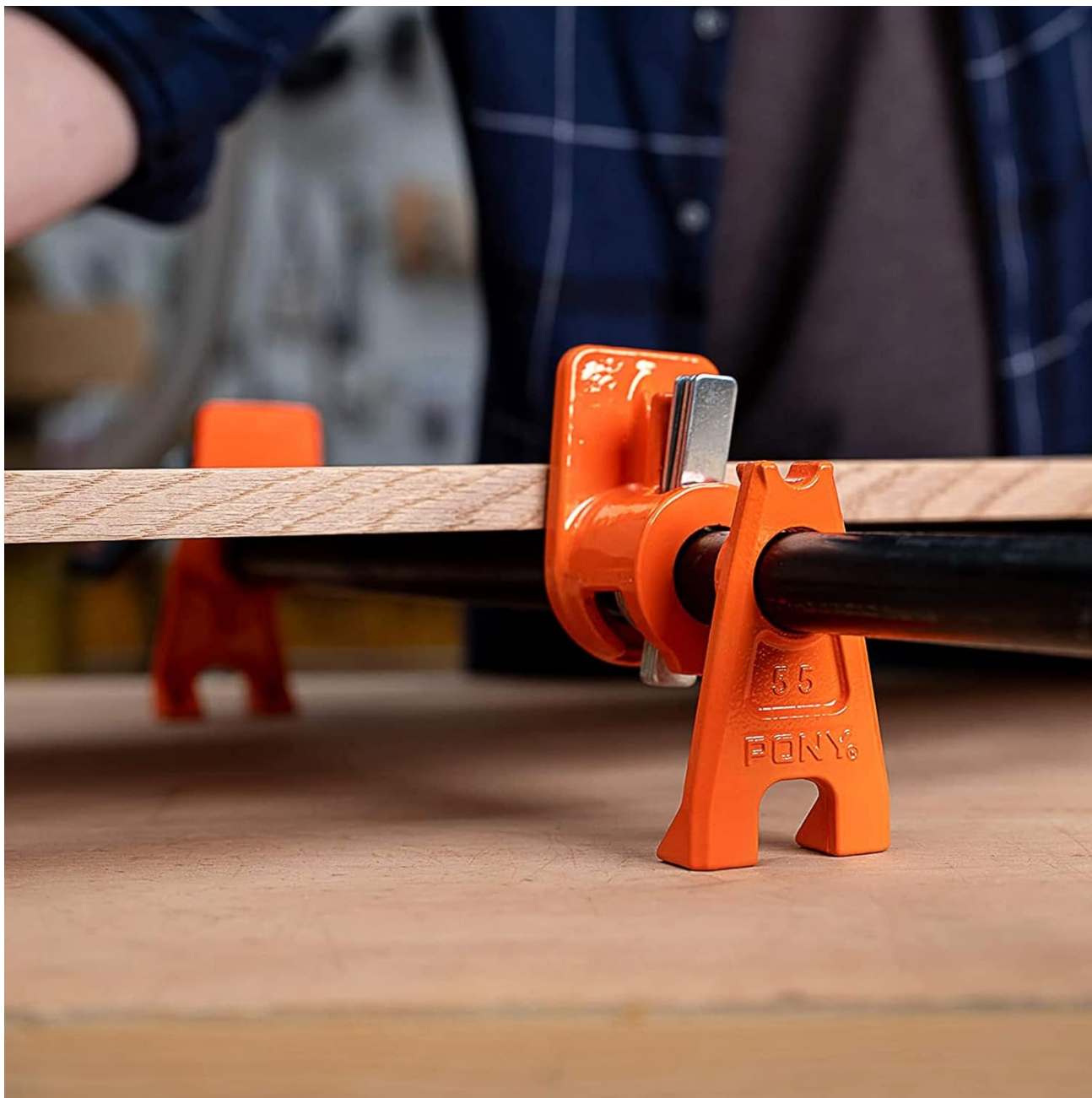


Image: A PONY PRO pipe clamp holding a wooden workpiece securely on a workbench. This illustrates the stable base provided by the high stand design of the clamp.

MAINTENANCE

Proper maintenance will extend the life and performance of your PONY PRO Pipe Clamp Fixtures.

- **Cleaning:** After each use, especially after gluing, wipe down the clamps to remove any glue residue, sawdust, or dirt. Dried glue can impede the smooth operation of the movable jaw.
- **Lubrication:** Periodically apply a light coat of machine oil to the threaded screw and the sliding surfaces of the movable jaw. This prevents rust and ensures smooth operation.
- **Storage:** Store clamps in a dry environment to prevent rust. The built-in clamp hanger (if applicable to your model) can be used for convenient storage.

TROUBLESHOOTING

Here are some common issues and their solutions:

- **Movable Jaw Slipping:**
 - Ensure the coil spring is correctly installed.
 - Check for any debris or dried glue on the pipe or within the clutch mechanism that might prevent proper gripping. Clean thoroughly if necessary.
- **Difficulty in Adjusting Handle/Screw:**
 - Apply lubricant to the threaded screw.
 - Check for any bent components or obstructions.
- **Clamp Not Holding Pressure:**
 - Ensure the fixed jaw is tightly screwed onto the pipe's threaded end.
 - Verify that the pipe itself is not bent or damaged, which could affect clamping integrity.

SPECIFICATIONS

Attribute	Detail
Brand	PONY
Model Number	H_3/4_Inch
Size	H Style 3/4 Inch
Material	Cast Iron
Color	Orange
Item Weight	8.75 pounds (for 2-pack)
Item Package Quantity	2
Included Components	2PC PRO 3/4" PIPE CLAMP FIXTURE

WARRANTY AND SUPPORT

PONY Jorgensen clamps are crafted with the highest quality materials and come with a **Lifetime Warranty**. For any support needs, questions, or warranty claims, please contact GreatStar Tools, the manufacturer, directly.
Manufacturer: HANGZHOU GREATSTAR INDUSTRIAL CO.,LTD
For more information, visit the [PONY Store on Amazon](#).