

BESSEY BPC-H34

BESSEY BPC-H34 3/4-Inch H Style Pipe Clamps Instruction Manual

Model: BPC-H34 | Brand: BESSEY

1. INTRODUCTION

The BESSEY BPC-H34 3/4-Inch H Style Pipe Clamps are designed to stabilize and elevate your workpiece, making clamping tasks easier and more efficient. These clamps are suitable for a variety of applications, including woodworking, carpentry, home improvement, and DIY projects. The unique H-style foot design provides dual-axis stability, and the long legs offer clearance from the work surface. Padded jaws protect your materials from marring, and the large handle ensures positive pressure with a smooth-action spindle.

2. KEY FEATURES

- **Versatile Usage:** Ideal for edge gluing multiple pieces and adaptable to various pipe lengths.
- **Stable and Functional:** H-shape foot assembly provides dual-axis stability, preventing tipping. Extra tall base offers finger-saving clearance.
- **Material Protection:** Includes field-replaceable, soft protective pads to prevent damage to project materials.
- **Strong and Durable:** Features malleable cast jaws and an Acme threaded spindle for fast, strong clamping.
- **Easy Assembly:** Designed for hassle-free setup, saving time and effort.
- **User-Friendly Operation:** Rear jaw slides easily for positioning; clutch plates secure the jaw. Front jaw screws onto a black threaded iron pipe.
- **Ergonomic Design:** Crank handle clears the work surface for comfortable operation.
- **Corrosion Resistance:** Durable powder coat finish, zinc-plated clutch components, and black oxide coated threaded spindle enhance longevity.

3. SETUP AND ASSEMBLY

The BESSEY BPC-H34 pipe clamps are designed for easy assembly. You will need a 3/4-inch black threaded iron pipe (not included) of your desired length to complete the clamp assembly.

1. **Prepare the Pipe:** Ensure your 3/4-inch black threaded iron pipe is clean and free of debris. If using black pipe, it is recommended to clean off any excess coating to prevent transfer to your workpiece.
2. **Attach the Fixed Jaw:** Screw the front jaw (the one with the Acme threaded screw and movable face plate) onto one end of your 3/4-inch pipe. Tighten securely.
3. **Attach the Sliding Jaw:** Slide the rear jaw (the one with clutch plates) over the opposite end of the pipe. The clutch plates allow for quick, one-handed positioning along the pipe.
4. **Install Soft Jaw Caps:** Place the included soft jaw caps onto the clamping surfaces of both jaws to protect your materials from damage.

For a visual guide on assembly, please refer to the product demonstration video in the Media section.

4. OPERATING INSTRUCTIONS

Using your BESSEY BPC-H34 pipe clamps is straightforward:

1. **Position the Workpiece:** Place your workpiece on a stable surface. The H-style base of the clamps will help keep them upright and provide clearance.
2. **Adjust the Sliding Jaw:** Pinch the clutch plates on the rear (sliding) jaw to move it along the pipe until it is close to your workpiece. Release the clutch plates to lock it in place.
3. **Apply Clamping Pressure:** Use the crank handle on the front jaw to tighten the clamp against your workpiece. Turn the handle clockwise to increase pressure. The Acme threaded spindle allows for efficient and strong clamping.
4. **Ensure Even Pressure:** For panel glue-ups or wide workpieces, use multiple clamps spaced evenly to distribute pressure and prevent warping. Consider alternating clamps on the top and bottom of the workpiece to counteract bowing.
5. **Release Clamping Pressure:** To release the clamp, turn the crank handle counter-clockwise until the pressure is relieved. Then, pinch the clutch plates on the rear jaw to slide it away from the workpiece.

Refer to the product demonstration video for practical usage examples.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your BESSEY BPC-H34 pipe clamps:

- **Cleaning:** After each use, especially after gluing, wipe down the pipe and clamp jaws to remove any glue residue or sawdust. This prevents buildup that could impede smooth operation.
- **Lubrication:** Periodically apply a light lubricant to the Acme threaded spindle to ensure smooth turning of the crank handle.
- **Inspect Jaw Caps:** Check the soft jaw caps for wear or damage. Replace them if they are worn to ensure continued protection of your workpieces.
- **Storage:** Store clamps in a dry environment to prevent rust. While the clamps have a durable powder coat finish and zinc-plated components, prolonged exposure to moisture can still cause corrosion.

6. TROUBLESHOOTING

If you encounter issues with your pipe clamps, consider the following:

- **Jaws Not Sliding Smoothly:** Check the pipe for any obstructions, rust, or glue buildup. Clean the pipe thoroughly and apply lubricant if necessary. Ensure the clutch plates on the sliding jaw are functioning correctly.
- **Insufficient Clamping Pressure:** Verify that the pipe is the correct 3/4-inch size and is not bent or damaged. Ensure the front jaw is fully threaded onto the pipe and the crank handle is turning freely.
- **Workpiece Warping/Bowing:** This is often due to uneven pressure or insufficient clamps. Use more clamps, spaced appropriately, and consider alternating their position (top/bottom) to balance forces. Ensure your work surface is flat.

7. SPECIFICATIONS

Attribute	Detail
Model Number	BPC-H34
Brand	BESSEY
Material	Black Oxide (Cast Iron)
Style	H Style 3/4 In.
Color	Red/Black
Item Dimensions (L x W x H)	9.84 x 9.06 x 3.15 inches
Item Weight	0.6 Kilograms
Pipe Compatibility	3/4-inch threaded pipe (not included)

8. WARRANTY AND SUPPORT

The BESSEY BPC-H34 pipe clamps come with a limited lifetime warranty from the manufacturer. For warranty claims, product support, or technical assistance, please contact BESSEY customer service or refer to the official BESSEY website for detailed contact information.

9. PRODUCT MEDIA



Image 1: Main view of the BESSEY BPC-H34 3/4-Inch H Style Pipe Clamps, showcasing the red cast iron construction and H-style base.



Image 2: BESSEY BPC-H34 pipe clamps securing multiple wood pieces for a glue-up project on a workbench, demonstrating their stability and application.

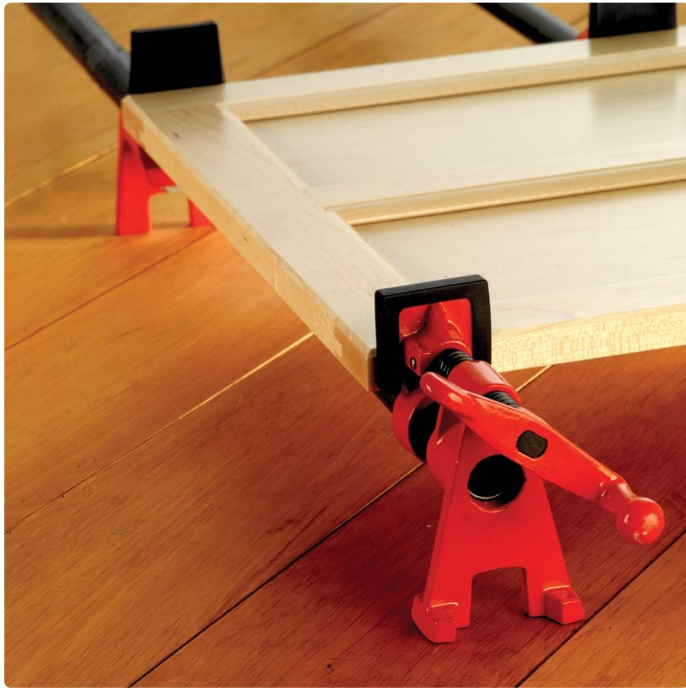


Image 3: Detailed view of the clamp head, highlighting the large crank handle, Acme threaded spindle, and protective soft jaw caps.

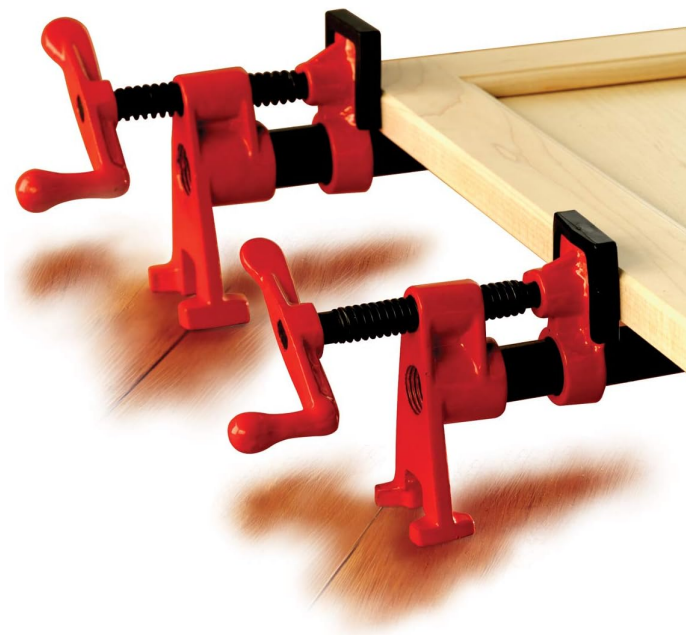


Image 4: Side profile of the clamp, illustrating the H-style foot that provides stability and elevates the workpiece.

Official Product Videos

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Video 1: Product Demonstration Video

This video provides a concise demonstration of the BESSEY BPC-H34 pipe clamps, highlighting their easy assembly, extra tall base for clearance, and the function of the soft jaw caps. It shows the components and how they fit together, offering a clear visual guide for users.

