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› [SharkBite 1 Inch Slip Ball Valve Installation and Operation Manual](#)

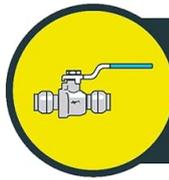
SharkBite 24737LF

SharkBite 1 Inch Slip Ball Valve User Manual

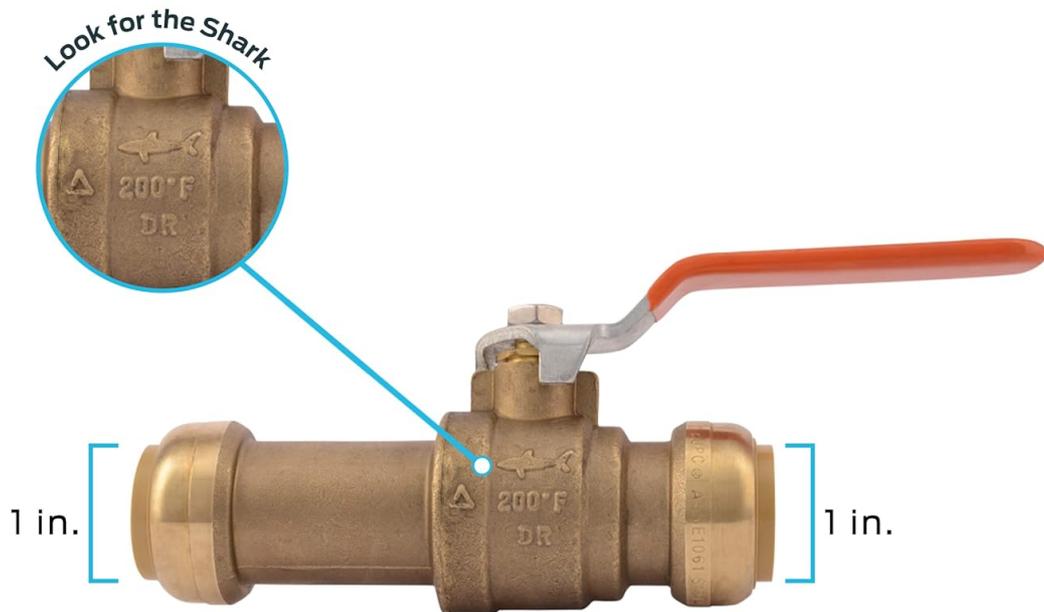
Model: 24737LF

1. INTRODUCTION

This manual provides detailed instructions for the proper installation, operation, and maintenance of your SharkBite 1 Inch Slip Ball Valve. The SharkBite push-to-connect system simplifies plumbing projects, allowing for quick and easy connections without the need for soldering, clamps, or glue. This valve is designed for use with copper and CPVC pipes.



Brass Slip Ball Valve Push-to-Connect



**Slip feature allows for repair on two inches
of rigid copper or CPVC pipe in existing line**

Image 1.1: The SharkBite 1 Inch Slip Ball Valve, showing its compact design and 1-inch pipe compatibility. Note the 'Shark' logo for genuine product identification.

2. SAFETY INFORMATION

- Always turn off the main water supply before beginning any plumbing work.
- Depressurize the system by opening a faucet at the lowest point in the house.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves.
- Ensure the work area is well-lit and free of obstructions.
- Do not use this valve with pipes or materials other than those specified (copper and CPVC).

3. PRODUCT OVERVIEW

The SharkBite 1 Inch Slip Ball Valve is a versatile fitting designed for quick and easy installation in existing plumbing lines. Its slip feature allows for the replacement or addition of a ball valve into a line where a section of pipe needs to be removed or repaired. It is suitable for both wet and dry installations.

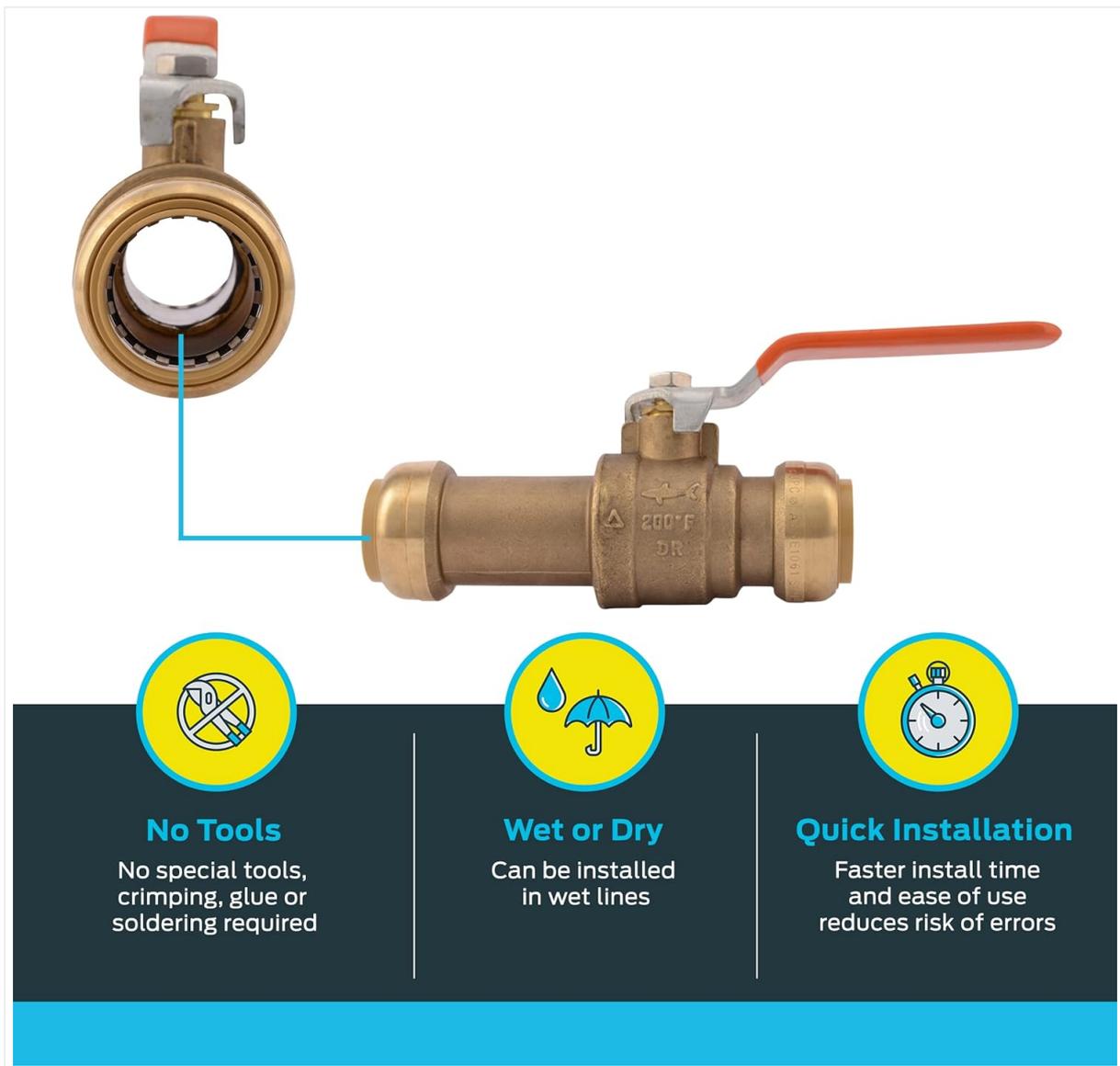


Image 3.1: Key features of the SharkBite Slip Ball Valve, highlighting its tool-free, wet/dry installation capability and speed.

4. SPECIFICATIONS

Specification	Detail
Model Number	24737LF
Size	1 Inch
Material	Brass
Maximum Operating Pressure	200 PSI
Maximum Operating Temperature	200°F (93°C)
Compatible Pipe Types	Copper, CPVC
Installation Method	Push-to-Connect (Slip)
Certifications	IAPMO/ANSI Z1157, NSF/ANSI 372, NSF/ANSI/CAN 61

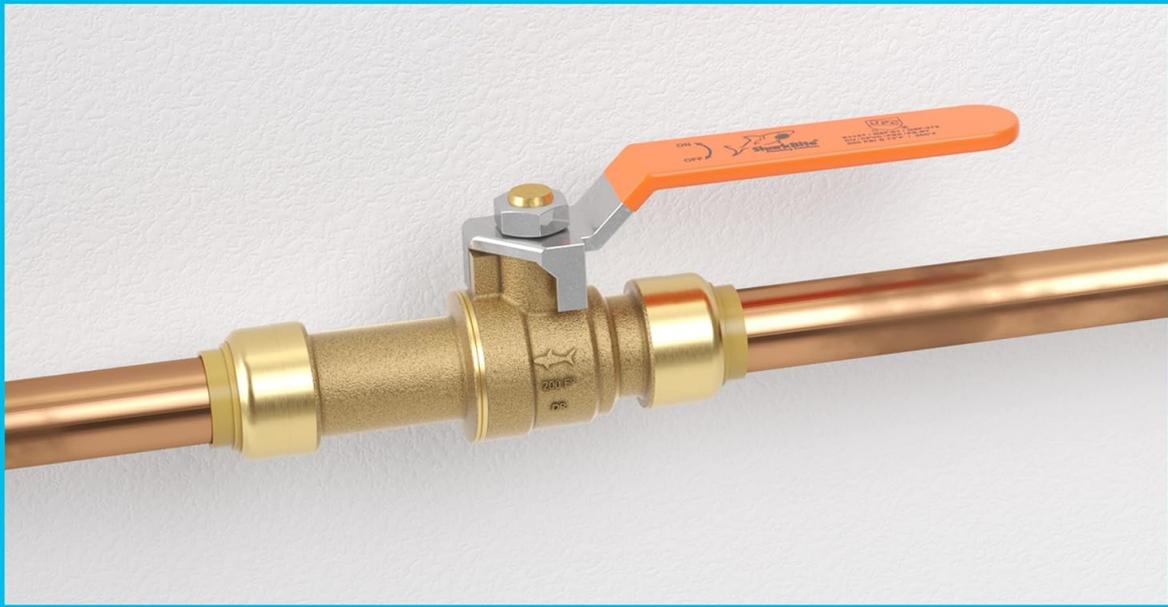
Brass Slip Ball Valve Push-to-Connect



- ✓ Rated for 200 psi and 200°F (93°C)
- ✓ Compatible with copper and CPVC pipe only
- ✓ Ideal for freezes and other emergency repairs

Image 4.1: Performance ratings and pipe compatibility for the SharkBite Slip Ball Valve.

Brass Slip Ball Valve Push-to-Connect



APPROVALS

NSF/ANSI 372
NSF/ANSI/CAN 61
IAPMO/ANSI Z1157

Image 4.2: An installed SharkBite Slip Ball Valve, showing relevant approvals for plumbing standards.

5. TOOLS REQUIRED

- Pipe Cutter (for copper or CPVC)
- SharkBite Deburring Tool (essential for proper sealing)
- Measuring Tape
- Marker
- SharkBite Disconnect Clip or Tongs (for removal or adjustment)



Image 5.1: A pipe cutter, a necessary tool for preparing pipes for SharkBite fittings.

6. INSTALLATION INSTRUCTIONS (SETUP)

Follow these steps for a secure and leak-free installation:

6.1. Prepare the Pipe

1. **Cut the Pipe:** Using a pipe cutter, cut the existing pipe to the desired length, ensuring a clean, square cut. For replacing a section, remove up to 2 inches of damaged pipe.
2. **Deburr the Pipe:** Use the SharkBite deburring tool to remove any sharp edges or burrs from the inside and outside of the pipe. This is crucial to prevent damage to the O-ring seal within the fitting.
3. **Clean the Pipe:** Ensure the pipe surface is clean and free of scratches, dirt, or debris.
4. **Mark the Insertion Depth:** Use a SharkBite depth gauge or the SharkBite deburring tool to measure and mark the correct insertion depth on the pipe. This mark indicates how far the pipe needs to be inserted into the fitting for a secure connection. Refer to the SharkBite website for specific depth charts if needed.

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Video 6.1: An animation demonstrating the pipe cutting, deburring, and marking process for Push-To-Connect fittings.

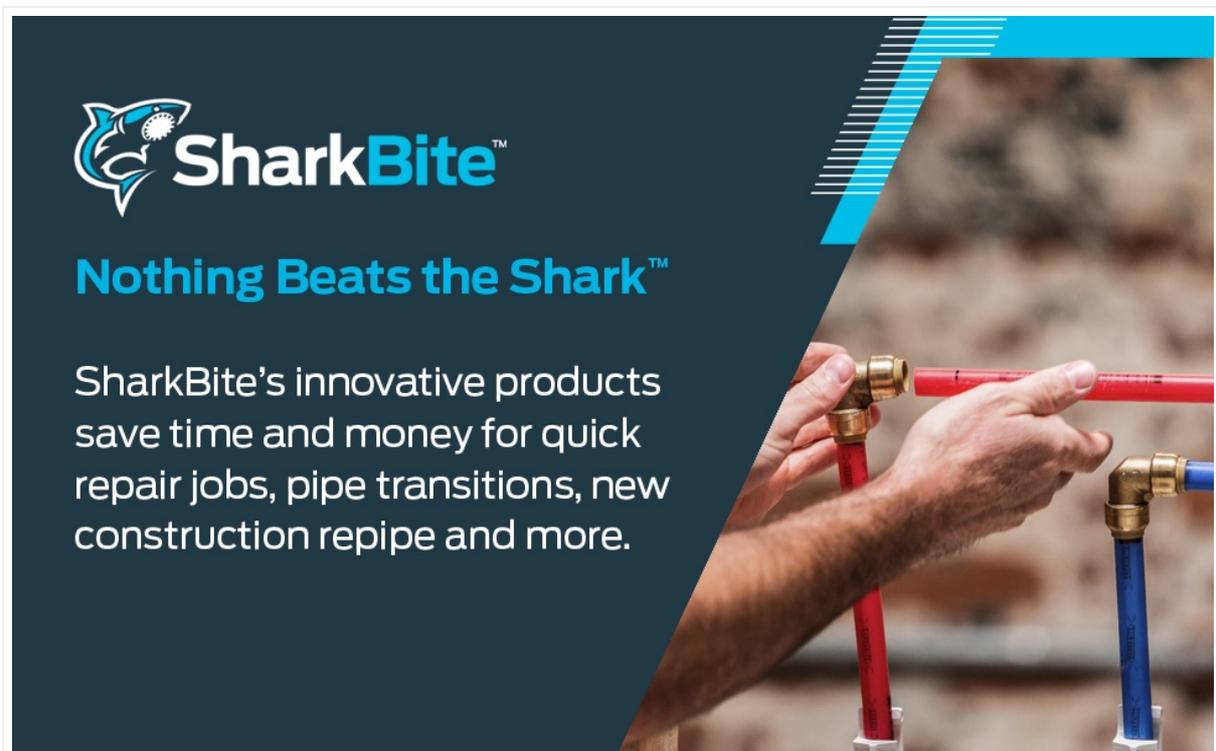


Image 6.1: Visual guide for cutting and deburring a pipe before fitting installation.

6.2. Install the Slip Ball Valve

1. **Slide First End:** Slide the 'SLIP END' of the ball valve onto one end of the prepared pipe as far as it will go, past the insertion depth mark.
2. **Connect Second End:** Insert the other end of the pipe into the opposite side of the ball valve until it reaches the insertion depth mark.
3. **Complete the Slip Connection:** Using a SharkBite disconnect clip or tongs, press the release collar on the 'SLIP END' and slide the fitting back over the first pipe until it aligns with the insertion depth mark on that pipe. This action bridges the gap and creates a secure connection on both ends.
4. **Verify Connection:** Ensure both pipes are fully inserted to their respective depth marks and the fitting is securely in place.

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Image 6.2: An overview of the simple 'Cut. Push. Done.' installation process for SharkBite fittings.

7. OPERATING INSTRUCTIONS

The SharkBite Slip Ball Valve features a quarter-turn handle for easy operation:

- **To Open:** Turn the handle so it is parallel with the pipe. This allows water to flow through the valve.
- **To Close:** Turn the handle so it is perpendicular to the pipe. This stops water flow through the valve.

After installation, slowly turn on the main water supply and check for any leaks at the connection points.

8. MAINTENANCE

The SharkBite Slip Ball Valve is designed for long-term, maintenance-free operation. Regular inspection of your plumbing system for any signs of leaks or damage is recommended. No specific lubrication or servicing is required for the valve itself.

9. TROUBLESHOOTING

9.1. Leaks at Connection Points

- **Cause:** Improper pipe preparation (burrs, scratches), insufficient insertion depth, or incompatible pipe material.
- **Solution:**
 - a. Turn off water supply and depressurize the system.
 - b. Use a SharkBite disconnect clip or tongs to remove the fitting.
 - c. Inspect the pipe ends for burrs, scratches, or damage. Re-cut and deburr if necessary.
 - d. Ensure the pipe is clean and free of debris.
 - e. Re-install the fitting, ensuring the pipe is inserted to the correct depth mark.

f. Slowly restore water pressure and check for leaks.

9.2. Difficulty Inserting Pipe

- **Cause:** Pipe not properly deburred, pipe end is not square, or pipe is not aligned correctly.
- **Solution:**
 - a. Ensure the pipe is cut squarely and thoroughly deburred.
 - b. Align the pipe straight into the fitting. A slight twisting motion can sometimes aid insertion.
 - c. Verify the pipe is compatible with the fitting (copper or CPVC).

10. WARRANTY & SUPPORT

For specific warranty information and technical support, please refer to the official SharkBite website or contact SharkBite customer service. Keep your proof of purchase for warranty claims.

Online Resources: Visit www.sharkbite.com for additional product information, installation videos, and FAQs.