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SharkBite U139LFA

SharkBite 3/4 x 1 Inch MNPT Adapter (U139LFA) Instruction Manual

Model: U139LFA

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective installation, operation, and maintenance of the SharkBite 3/4 x 1 Inch MNPT Adapter, Model U139LFA. This brass push-to-connect fitting is designed to create a secure and reliable transition between various pipe types and a 1-inch Female National Pipe Taper (FNPT) threaded connection.



Image 1.1: Overview of the SharkBite 3/4 x 1 Inch MNPT Adapter.

2. PRODUCT OVERVIEW AND COMPATIBILITY

The SharkBite adapter is a versatile plumbing component compatible with multiple pipe materials, offering flexibility for various plumbing projects.

2.1 Compatible Pipe Types

- PEX Pipe
- Copper Pipe
- CPVC Pipe
- PE-RT Pipe
- SDR-9 HDPE Pipe

Note: For large diameter fittings (1-1/4 in. to 2 in.) when connecting to PEX pipe, a Stiffener is required. This specific 3/4 x 1 inch adapter does not typically require a stiffener for PEX.

Brass Push Male Adapter Push-To-Connect



- ✓ Compatible with PEX, copper, CPVC and HDPE Pipe
- ✓ Push-to-connect design makes installation quick and easy
- ✓ Rated for 200 psi and 200°F (93°C)

Image 2.1: Visual representation of the adapter's compatibility with various pipe materials.

3. SETUP AND INSTALLATION

The SharkBite push-to-connect design simplifies installation, eliminating the need for specialized tools, crimping, glue, or soldering.

3.1 Preparation

1. Ensure the pipe is cut squarely.
2. Remove any burrs or sharp edges from the pipe end using a deburring tool or sandpaper. A clean, smooth pipe end is crucial for a proper seal.

3. Clean the outside of the pipe to ensure it is free of dirt or debris.

3.2 Connection Procedure

1. Push the prepared pipe firmly into the push-to-connect end of the SharkBite adapter.
2. Continue pushing until the pipe reaches the stop within the fitting, ensuring it is fully seated. A slight twisting motion may help.
3. Visually inspect the connection to confirm the pipe is fully inserted.
4. Thread the 1-inch MNPT end of the adapter into the corresponding FNPT connection, ensuring a tight, leak-free seal. Use appropriate thread sealant if necessary for the threaded connection.

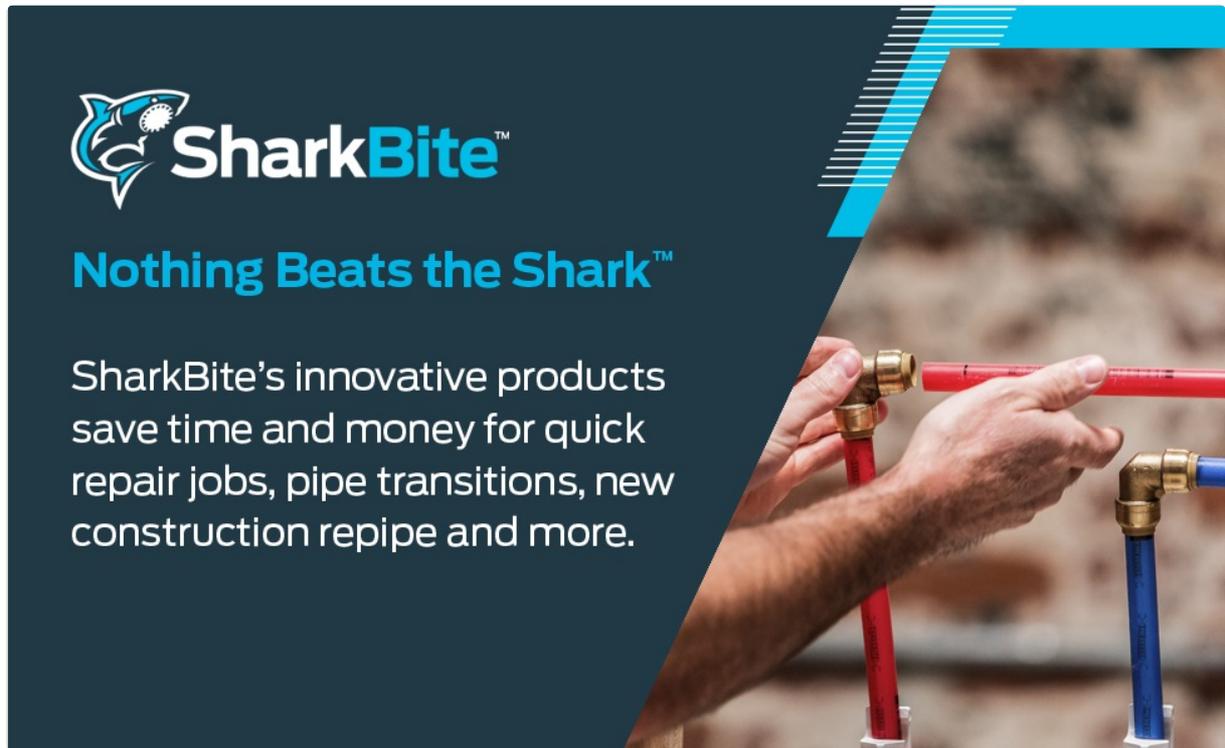


Image 3.1: Illustration of the push-to-connect installation process.

3.3 Removal Procedure

To remove the SharkBite adapter from a pipe:

1. Ensure the water supply is turned off and the system is depressurized.
2. Place a SharkBite disconnect clip or disconnect tongs over the pipe, adjacent to the fitting's collar.
3. Press the disconnect tool firmly against the fitting's collar while simultaneously pulling the pipe out of the fitting.



No Tools

No special tools, crimping, glue or soldering required



Wet or Dry

Can be installed in wet lines



Behind the wall

Approved to be used underground and behind walls without access panels

Image 3.2: Key features of SharkBite fittings, including ease of installation and versatile application.

4. OPERATING CONDITIONS AND APPLICATIONS

The SharkBite 3/4 x 1 Inch MNPT Adapter is designed for robust performance in various plumbing environments.

- Can be installed in wet lines.
- Approved for underground applications.
- Approved for behind-the-wall applications without requiring access panels.

5. MAINTENANCE

SharkBite fittings are designed for long-term reliability with minimal maintenance. However, periodic inspection is recommended.

- **Visual Inspection:** Periodically check all connections for any signs of leaks, corrosion, or physical damage.
- **Environmental Conditions:** Ensure the fitting is not exposed to chemicals or conditions that exceed its specified temperature and pressure ratings.

6. TROUBLESHOOTING

Most issues with SharkBite fittings relate to improper installation. Follow these steps if a leak occurs:

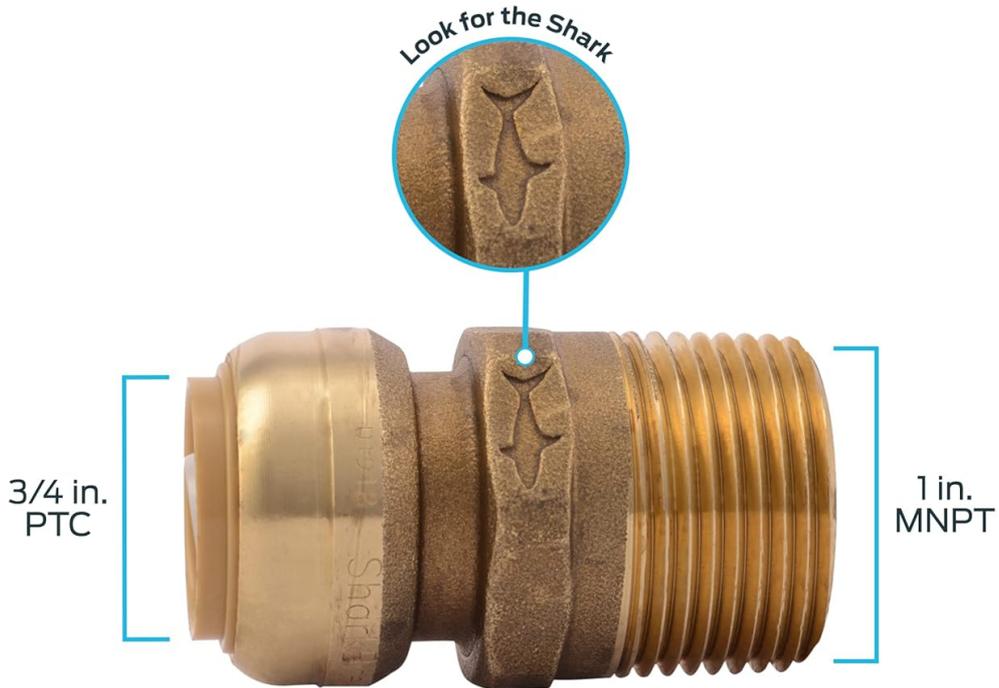
- **Leak at Connection:** Turn off the water supply and depressurize the system. Remove the fitting (refer to Section 3.3). Inspect the pipe end for burrs, scratches, or an uneven cut. Re-cut and deburr the pipe if necessary. Ensure the pipe is fully inserted into the fitting during re-installation.
- **Damaged Fitting:** If the fitting itself appears damaged, replace it with a new SharkBite adapter.

7. SPECIFICATIONS

| Feature | Detail |
|--------------------------------|---|
| Model Number | U139LFA |
| Size | 3/4 in. (Push-to-Connect) x 1 in. (MNPT) |
| Material | DZR Forged Brass |
| Connector Type | Adapter |
| Thread Type | NPT |
| Item Weight | 3.2 ounces |
| Product Dimensions (L x W x H) | 1.5 x 1.5 x 2 inches |
| Maximum Pressure | 200 PSI |
| Maximum Temperature | 200°F (93°C) |
| Approvals | ASSE 1061, CSA B125.3, UL 263, NSF/ANSI/CAN 61, ASTM E84, NSF/ANSI 372, ASTM E119, CAN/ULC S101, CAN/ULC S102.2 |
| UPC | 697285008113 |



Brass Push Male Adapter
Push-to-Connect



Durable brass fitting for joining PEX pipe and a female threaded connection

Image 7.1: Dimensional view of the SharkBite adapter.



Image 7.2: Example of industry approvals for SharkBite products.

8. WARRANTY INFORMATION

This SharkBite product is backed by a **25-year manufacturer's warranty**. For specific terms and conditions, please refer to the official SharkBite warranty documentation or contact customer support.

9. SUPPORT

For additional assistance, technical inquiries, or to report any issues, please contact SharkBite customer service. You can also find more information and resources on the official SharkBite website.

[Visit the Official SharkBite Store](#)
