SharkBite 24687

SharkBite 1/2 Inch Straight Stop Faucet Connector User Manual
Model: 24687

1. PRODUCT OVERVIEW

The SharkBite 1/2 Inch Straight Stop x 1/2 Inch NPSM Click Seal Faucet Connector is a versatile plumbing fitting designed to simplify water supply connections to faucets. It features a push-to-connect mechanism for quick and secure installation without the need for special tools, glue, crimping, or soldering. This connector is suitable for use with PEX, CPVC, PE-RT, SDR-9 HDPE, and copper pipes, making it ideal for various plumbing projects.

Key Features:

- **Push-to-Connect Mechanism:** Ensures a watertight and leak-free connection.
- **Click Seal Faucet Connector:** Allows for hand tightening and provides an audible click when a secure connection is made.
- **Versatile Compatibility:** Works with PEX, CPVC, PE-RT, SDR-9 HDPE, and copper pipes.
- **Easy Installation:** No special tools, crimping, glue, or soldering required. Can be installed in wet lines.
- **Integrated Design:** Features a 1/2-inch push-fit stop valve and a flexible hose for faster installation.

Figure 1: SharkBite 1/2 Inch Straight Stop Faucet Connector. This image displays the complete faucet connector, highlighting its flexible braided hose and the push-to-connect stop valve on one end and the Click Seal faucet connector on the other.

2. Safety Information

Always prioritize safety when working with plumbing. Read and understand all instructions before beginning installation. If you are unsure about any step, consult a qualified plumber.

- Turn off the main water supply before starting any plumbing work.
- Wear appropriate personal protective equipment, such as safety glasses and gloves.
- Ensure the work area is well-lit and free of obstructions.
- Verify that the pipe ends are clean, free of scratches, and deburred before insertion.
- Do not overtighten connections, especially the Click Seal nut, as it is designed for hand tightening.

3. Setup and Installation

This section provides detailed instructions for installing your SharkBite Faucet Connector. Ensure you have all necessary components and tools before proceeding.

3.1. Components and Compatibility

Click Seal® Faucet Connector
Push-to-Connect

30 in. Flexible Hose

1/2 in.
Straight Stop

1/2 in.
NPSM

All-In-One piece design with integrated stop valve and flexible hose connector

Figure 2: All-in-One Piece Design with Integrated Stop Valve and Flexible Hose Connector. This image illustrates the connector's components, including the 1/2 inch Straight Stop and the 1/2 inch NPSM Click Seal Faucet Connector, emphasizing its integrated design.

The SharkBite Faucet Connector is designed for use with 1/2 inch CTS (Copper Tube Size) pipes. It is compatible with PEX, CPVC, PE-RT, SDR-9 HDPE, and copper pipes.

3.2. Installation Steps

1. **Prepare the Pipe:** Ensure the pipe end is cut cleanly and squarely. For copper pipes, remove any sharp edges or burrs. The pipe should be free of scratches and debris. Leave a minimum of 1 inch of pipe exposed for insertion.

2. **Determine Stub-out Type:** Identify if your water supply stub-out comes out of the wall (requires an angle stop valve) or out of the floor (requires a straight stop valve). This product is a straight stop valve.

3. **Mark Insertion Depth:** Use a SharkBite depth and deburr tool (or refer to the insertion depth chart on SharkBite.com) to measure and mark the correct insertion depth on your pipe stub-out. For 1/2 inch CTS pipe, the insertion depth is approximately 15/16 inches (0.95 inches).

4. **Install the Stop Valve:** Push the straight stop valve onto the pipe stub-out until it reaches the insertion mark

you made. Ensure a firm and complete connection.

5. **Connect to Faucet:** Thread the Click Seal faucet connector onto your faucet's supply line. Hand tighten the nut until you hear an audible click, indicating a secure seal. Plumbing tape is not needed for this threaded connection.

Figure 3: Click Seal Nut for Hand Tightening. This image highlights the unique Click Seal nut, which allows for easy hand tightening and provides an audible click to confirm a secure connection.

Figure 4: Benefits of SharkBite Faucet Connector. This image lists key advantages such as no tools required, quick installation, and versatility with various pipe types, along with the ability to install in wet lines and its integrated design.

4. OPERATING THE FAUCET CONNECTOR

Once installed, the integrated stop valve allows you to control the water flow to your faucet.

- **To Open Water Flow:** Turn the handle on the stop valve to the 'open' position (typically aligned with the pipe).
- **To Close Water Flow:** Turn the handle on the stop valve to the 'closed' position (typically perpendicular to the pipe). This allows you to shut off water to the faucet without affecting the rest of your plumbing system.

5. MAINTENANCE

Regular inspection and proper care will ensure the longevity and reliable performance of your SharkBite Faucet Connector.

- **Leak Inspection:** Periodically check all connections for any signs of leaks. Address any leaks immediately by ensuring connections are secure.
- **Cleaning:** Clean the exterior of the connector with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the finish.
- **Disconnection:** If you need to disconnect the fitting, use a SharkBite disconnect clip or disconnect tongs. Follow the specific instructions for these tools to avoid damaging the fitting or pipe.

6. TROUBLESHOOTING

This section addresses common issues you might encounter and provides solutions.

Problem	Possible Cause	Solution
Leak at push-to-connect end	Improper pipe preparation (burrs, scratches), insufficient insertion depth, damaged O-ring.	Ensure pipe is clean, deburred, and fully inserted to the mark. If problem persists, inspect O-ring for damage or replace fitting.
Leak at Click Seal faucet end	Nut not tightened sufficiently, damaged washer.	Hand tighten the Click Seal nut until an audible click is heard. Check the washer inside the nut for damage and replace if necessary.
Difficulty inserting pipe	Pipe not deburred, pipe not cut squarely, pipe type incompatibility.	Ensure pipe is properly deburred and cut squarely. Verify pipe material is compatible with SharkBite fittings.

7. SPECIFICATIONS

Detailed technical specifications for the SharkBite 1/2 Inch Straight Stop Faucet Connector.

Specification	Value
Size	1/2 in. Straight Stop
Material	Stainless Steel (Hose), Brass (Fitting)
Brand	SharkBite
Color	Silver
Item Dimensions L x W x H	21.15 x 1 x 5.01 inches
Connector Type	Coupling
Exterior Finish	Brass
Thread Type	NPSM
Item Weight	9.12 ounces

Specification	Value
Number of Pieces	1
UPC	697285246874
Part Number	24687
Model Number	24687
Included Components	Click Seal Faucet Connector
Approvals	CSA B125.1, NSF/ANSI 372, ASME A112.18.1, NSF/ANSI/CAN 61

Figure 5: Product Approvals. This image displays the various certifications and approvals for the SharkBite Faucet Connector, ensuring compliance with industry standards.

8. WARRANTY AND SUPPORT

All SharkBite valves, clips, joints, and adapters are manufactured and tested in the USA. The product comes with a manufacturer's warranty. For specific warranty details or technical support, please refer to the official SharkBite website or contact their customer service directly.

Contact Information:

Website: www.sharkbite.com

Customer Service: Refer to the website for phone numbers and contact forms.