

SharkBite Ball Valves

Used to shut-off water flow for servicing and making repairs.

Features and Benefits

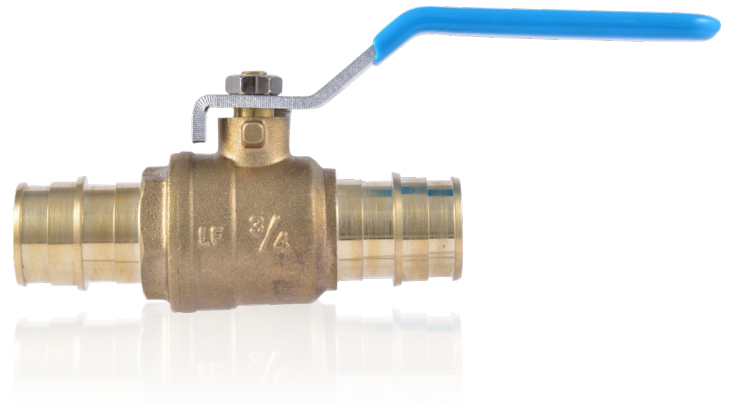
- Connects to PEX-A pipe with expansions rings
- Quarter-turn full-port brass ball valve

Applications

- Potable water and radiant heating

Specifications

SharkBite expansion fittings shall be installed on SharkBite PEX-A complying with ASTM F876 or CSA B137.5. The fittings shall be made of Engineered Polymer or DZR lead-free Brass and be compliant with ASTM F1960. The fittings shall be used in a potable water or radiant heating/cooling system not to exceed 80 psi @ 200°F, 100 psi @ 180°F, or 160 psi @ 73.4°F.



#UAB22461LF

Specification Data

Technical Data

Minimum working temperature 33°F to 73°F at 160 psi
180°F at 100 psi

Maximum working temperature 200°F at 80 psi

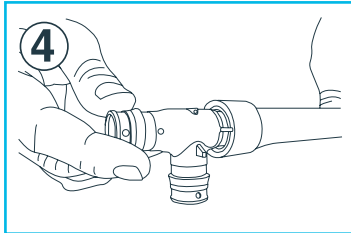
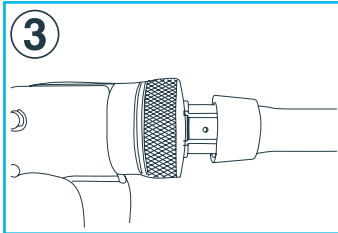
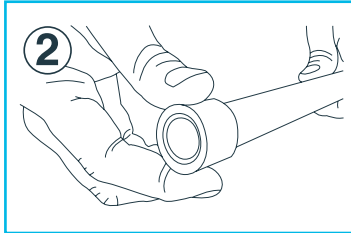
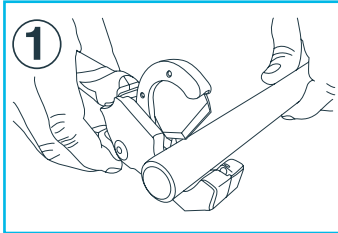
Material

1 Valve Body	DZR LF Brass ¹
2 Ball	DZR LF Brass ¹
3 Seal Ring	PTFE
4 Bonnet	DZR LF Brass ¹
5 Plastic Jacket	PE
6 Stem	DZR LF Brass ¹
7 O-ring	NBR
8 Handle	Steel
9 Nut	Steel

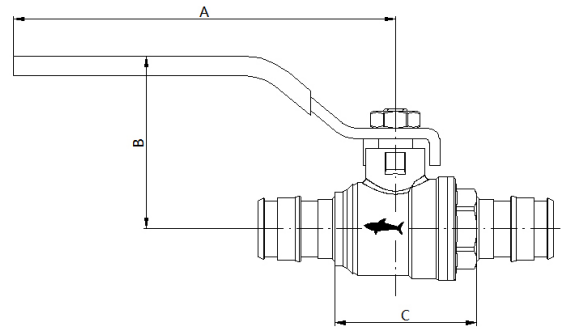
¹ Lead Free for all models, surfaces that are in contact with consumable water contain less than 0.25% lead by weight

Installation Requirements

How to install SharkBite Expansion Fittings products.



- 1 Use pipe cutters to make a square cut of the pipe to length. A rough or uneven cut can result in a weakened joint.
- 2 Slide your expansion ring over the PEX tubing until it overhangs the end of the tubing by no more than 1/8" or until the stop on the ring (if present) touches the tubing.
- 3 Using an approved manual or cordless expansion tool, insert the tool into the PEX pipe and expand the pipe.
*Note that each pipe size requires the specific expander head, so ensure it is the correct size prior to beginning. The number of expansions will be dictated by the tubing size.
 - 6 expansions for 1/2 in.
 - 8 expansions for 3/4 in.
 - 5 expansions for 1 in.It is important to make sure the expander head rotates after each expansion to prevent ridges on the inside of the tubing.
- 4 Once the tubing is expanded, insert the fitting until it hits the shoulder and allow the PEX to contract around the fitting until secure. After several seconds the tubing will secure around the fitting, and your connection is made and ready for use.



#UAB22461LF

Dimensions

Description	Part #	A	B	C
1/2"	UAB22461LF	3.54	1.61	1.33
3/4"	UAB22462LF	3.54	1.73	1.49
1"	UAB22463LF	3.93	2.08	1.81

All measurements are displayed in inches

Insertion Depth

Fitting Size	Nominal Pipe Size	Insertion Depth(in)
1/2 in.	1/2 in.	0.72
3/4 in.	3/4 in.	0.97
1 in.	1 in.	1.19

Pipe Type

Compatible with PEX-A pipe

Wrapping for Direct Burial

Wrapping required for burial

Minimum Distance Between Fittings

1/2 in. fittings and pipe 2-1/2 in. space

3/4 in. fittings and pipe 3-1/2 in. space

1 in. fittings and pipe 4-1/2 in. space

Codes and Standards

IAPMO/ANSI Z1157

NSF/ANSI 14

NSF/ANSI/CAN 61

NSF/ANSI/CAN 372

