

# SharkBite

## Expansion Sleeves

Used to connect PEX-A Pipe to brass and poly expansion fittings.

### Features and Benefits

- Chamfer makes for easy insertion and sleeve's stop accurately positions sleeve ring on pipe to ensure proper installation
- Injection molded PEX ring
- Interior cross hatch stops ring from sliding off pipe

### 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.



#UA23102CP25

## Specification Data

### Technical Data

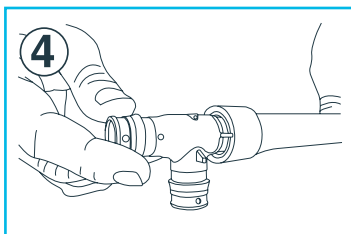
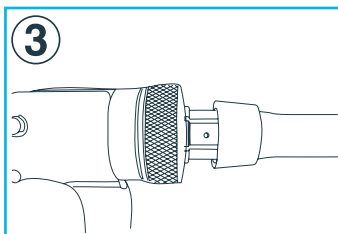
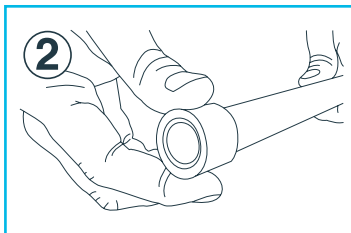
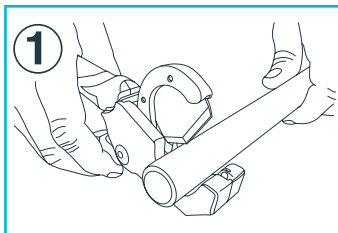
Minimum working temperature	33°F at 160 psi 180°F at 100 psi
Maximum working temperature	200°F at 80 psi

### Material

1 Sleeve	PEX
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### Installation Requirements

How to install SharkBite Expansion Fittings products.



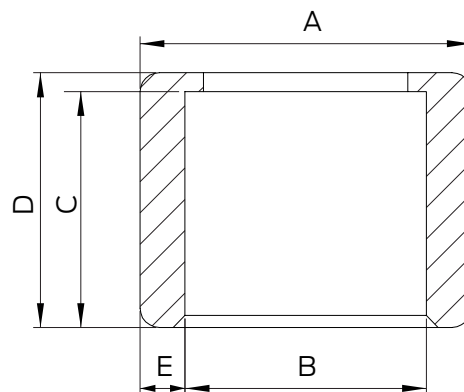
- Use pipe cutters to make a square cut of the pipe to length. A rough or uneven cut can result in a weakened joint.
- Slide your expansion ring over the PEX tubing until it overhangs the end of the tubing by no more than 1/8" or until the stop on the ring (if present) touches the tubing.
- Using an 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.

- 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.

### Pipe Type

Compatible with PEX-A pipe



#UA23102CP25

### Dimensions

Description	Part #	A	B	C	D	E
1/2"	UA23102CP25	0.88	0.63	0.62	0.67	0.12
3/4"	UA23103CP25	1.13	0.88	0.85	0.90	0.12
1"	UA23104CP25	1.43	1.13	1.08	1.13	0.14

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

### Wrapping for Direct Burial

Wrapping not required

### 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

ASTM F1960

ASTM F877

