SharkBite® Push-To-Connect Fittings

For Copper, CPVC or PEX Pipe

DESCRIPTION

The SharkBite® Push-To-Connect (PTC) Fittings allow the user to connect pipe in seconds with relative ease.

U008LF

FEATURES AND BENEFITS

Instant push-fit connection for increased ease-of-use:
No soldering, clamps, unions, or glue required.

Fittings certified to 200 PSI and 200°F (93°C):
Proven durability and quality.

Fits copper tubing, and CTS CPVC and PEX:
Connects all three types in any combination.

Integral pipe liner for PEX installations:
Integrated design means no loose components, ensures secure, reliable connection.

U248LF

Design certified and agency listed:
Inspector friendly, peace of mind!

Compact, robust Lead Free DZR brass body:
Foundation of a strong, corrosion resistant, durable fitting.

Design certified to NSF/ANSI 61, NSF/ASNI 14 and ASSE 1061 product standard for use in potable water and hydronic heating water distribution:
Quality engineered and manufactured.

Approved to be used underground and behind walls without access panels.
Designed for hydronic heating as well as potable water distribution.

U362LF

SPECIFICATION

The tube shall be inserted into the SharkBite PTC Fitting in the first stage through a release collar and then through a stainless steel grab ring. The grab ring has teeth that open out and grip onto the tube. At the second stage the tube shall be pushed through an O-ring protector which aligns the pipe. A specially formulated EPDM O-ring shall be compressed between the wall of the fitting and the tube before the end of the tube reaches the tube stop. Only when the pipe has passed through the O-ring and reached the pipe stop shall a secure joint be created. The fitting shall be a SharkBite PTC Fitting.

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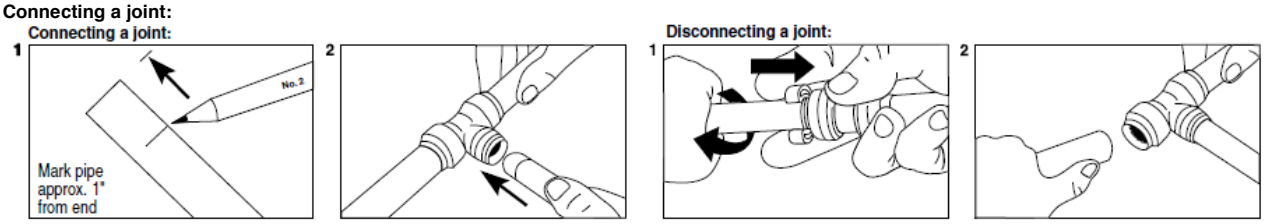
TYPICAL INSTALLATION

Connecting a joint:



Push the pipe and fitting together firmly with a twisting action until it clicks.
Allow at least 1" clearance between fittings for disconnection.

Push the disconnect clip against the release collar and pull the pipe with a twisting action.

(Please consult with local plumbing codes concerning specific water heater piping requirements.)

SPECIFICATION DATA

Performance:
Maximum working pressure . . . . . 200 psi
Maximum temperature . . . . . 200°F (93°C)
Service . . . . . Potable water

Materials:
Body . . . . . DZR Lead Free Brass
O-ring . . . . . EPDM
Grab ring . . . . . .Stainless steel
Tube support liner . . . . . .Polysulfone

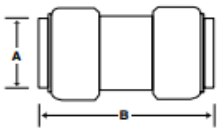
Finish:
Natural Brass or Chrome Plated

Fitting Size	Insertion Depth
1/4"	0.813"
3/8"	0.875"
1/2"	0.938"
5/8"	1.125"
3/4"	1.125"
1"	1.313"

CERTIFICATIONS

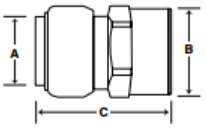
The SharkBite PTC Fittings have been designed certified and listed to ASSE 1061, NSF/ANSI 61, NSF/ANSI 14, and NSF/ANSI 372. The SharkBite PTC Fittings are listed by IAPMO and are certified for potable and hydronic heating water distribution (note: Glycol mixture for hydronics is acceptable up to 100% concentration). The SharkBite PTC Fittings have been certified for underground applications and as a manufactured joint without access panels and they meet UPC, IPC and cUPC requirements.

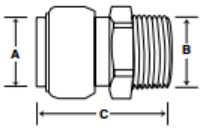
SharkBite Plumbing Solutions



Straight Coupling Dimensions

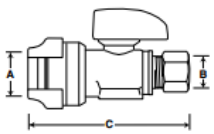
P/N	A	B
U004LF	1/4"	1.59"
U006LF	3/8"	1.84"
U008LF	1/2"	2"
U016LF	3/4"	2.36"
U020LF	1"	2.72"





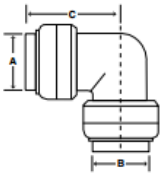
Connector Dimensions

P/N	A	B	C
U066LF	1/4"	1/2" FNPT	1.61"
U068LF	1/2"	3/4" FNPT	1.75"
U070LF	3/8"	1/2" FNPT	1.73"
U072LF	1/2"	1/2" FNPT	1.64"
U092LF	3/4"	1/2" FNPT	1.83"
U088LF	3/4"	3/4" FNPT	1.88"
U094LF	1"	1" FNPT	2.17"
U110LF	1/4"	1/2" MNPT	1.64"
U118LF	3/8"	1/2" MNPT	1.77"
U120LF	1/2"	1/2" MNPT	1.64"
U116LF	1/2"	3/4" MNPT	1.75"
U134LF	3/4"	3/4" MNPT	1.89"
U138LF	3/4"	1/2" MNPT	1.90"
U140LF	1"	1" MNPT	2.48"
U142LF	1"	3/4" MNPT	2.11"



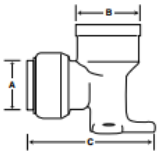
Straight Stop (*Chrome Plated*) Dimensions

P/N	A	B	C
23037-0000LF	1/2"	3/8" Compression	2.68"



Elbow Dimensions

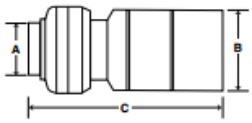
P/N	A	B	C
U244LF	1/4"	1/4"	1.160"
U276LF	1/4"	3/8" MIP	1.160"
U246LF	3/8"	3/8"	1.280"
U272LF	1/2"	3/8"	1.430"
U248LF	1/2"	1/2"	1.360"
U256LF	3/4"	3/4"	1.640"
U260LF	1"	1"	1.933"
U274LF	3/4"	1/2"	1.373"
U280LF	1/2"	1/2" MNPT	1.210"
U308LF	1/2"	1/2" FNPT	1.210"



Drop Ear Elbow Dimensions

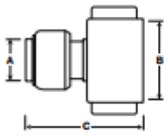
P/N	A	B	C
U249LF	1/2"	1/2"	2.20"
U332LF	3/8"	1/2" FNPT	1.83"
U334LF	1/2"	1/2" FNPT	1.77"
U335LF*	1/2"	1/2" FNPT	2.00"
U340LF	3/4"	3/4" FNPT	2.50"

*Hy-Ear Elbow



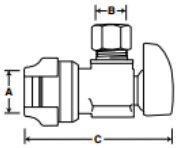
Fitting Reducer Dimensions

P/N	A	B	C
U719LF	3/8"	1/2"	2.08"
U721LF	3/8"	3/4"	2.27"
U722LF	1/2"	1"	3"
U724LF	3/4"	1"	2.25"



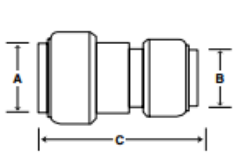
Ballcock Connector Dimensions (*Chrome Plated*)

P/N	A	B	C
U3531LF	1/4"	7/8" Ballcock	1.58"



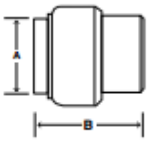
Angle Stop (*Chrome Plated*) Dimensions

P/N	A	B	C
23036-0000LF	1/2"	3/8" Compression	2.58"



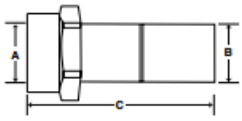
Reducing Coupling Dimensions

P/N	A	B	C
U009LF	3/8"	1/2"	2.00"
U058LF	3/4"	1/2"	2.20"
U060LF	1"	3/4"	2.51"



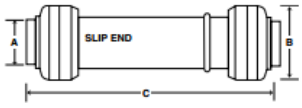
End Stops Dimensions

P/N	A	B
U512LF	3/8"	1.11"
U514LF	1/2"	1.08"
U518LF	3/4"	1.32"
U520LF	1"	1.52"



Fitting Adapter Dimensions

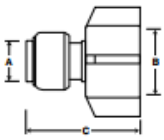
P/N	A	B	C
U766LF	3/4" FNPT	3/4"	2.83"
U772LF	1" FNPT	1"	2.83"



Slip Coupling* Dimensions

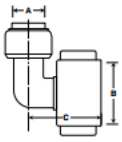
P/N	A	B	C
U3008LF	1/2"	1.075"	4.46"
U3016LF	3/4"	1.355"	4.42"
U3020LF	1"	1.640"	4.5"

*For use with copper & CPVC only



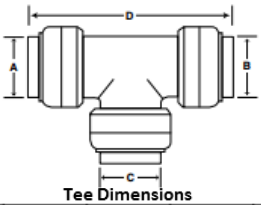
Faucet Connector Dimensions (*Chrome Plated*)

P/N	A	B	C
U3525LF	1/4"	1/2" NPS	1.58"



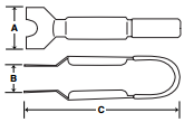
Ballcock Elbow (*Chrome Plated*) Dimensions

P/N	A	B	C
U3537LF	1/4"	7/8" Ballcock	1.05"



Tee Dimensions

P/N	A	B	C	D
U358LF	1/4"	1/4"	1/4"	2.30"
U360LF	3/8"	3/8"	3/8"	2.77"
U362LF	1/2"	1/2"	1/2"	2.72"
U363LF	1/2"	1/2"	3/8"	2.85"
U364LF	3/8"	3/8"	1/2"	2.77"
U370LF	3/4"	3/4"	3/4"	3.24"
U374LF	1"	1"	1"	3.84"
U412LF	3/4"	3/4"	1/2"	3.04"
U416LF	1"	1"	3/4"	3.63"
U444LF	3/4"	1/2"	3/4"	3.08"
U454LF	3/4"	1/2"	1/2"	2.92"



Disconnect Clips Dimensions

P/N	Fits SharkBite	A	B	C
U711	1/2"	1.7"	2"	6.5"
U713	3/4"	1.7"	2"	6.5"
U715	1"	1.7"	2"	6.5"

Disconnect Clip Dimensions

P/N	Size	A	B
U706	1/4"	1.19"	0.3"
U708	3/8"	1.22"	0.3"
U710	1/2"	1.22"	0.3"
U712	3/4"	1.72"	0.4"
U714	1"	2"	0.4"

Note: Disconnect Clips sold separately

Stop Connector Dimensions (*Chrome Plated*)

P/N	A	B	C
U3523LF	1/4"	1/2" NPS	1.58"

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