



**SharkBite<sup>®</sup>**  
**CONNECTION SYSTEM**



Reliance Worldwide USA

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CA 1/2" 150



# The SharkBite® Connection System Includes Push-Fit and Barb Products and PEX tubing.

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# THE SHARKBITE® CONNECTION SYSTEM

**LIGHTNING FAST. WON'T LET GO.**

- Connects copper, CPVC and PEX pipe in any combination.
- No soldering, clamps, unions or glue.
- Certified to 200 psi and 200°F.
- Approved for use underground and behind walls without access panels.
- Certified for potable water and hydronics.
- Integral tube liner for PEX installations.
- Fittings can even be rotated after assembly for easier installation in tight spaces.
- Easy to disconnect if needed.

## TYPICAL SHARKBITE® APPLICATIONS



### ADD NEW SERVICE LINES AND EQUIPMENT

Use SharkBite® slip tees and other fittings to add a service line or install equipment such as expansion tanks.



### WET OR DRY REPAIRS

There's no faster way to make a repair – wet or dry. You can connect copper, CPVC or PEX pipe in any combination. Cut. Push. Done.



### WATER HEATER FLEX CONNECTORS

Install or replace a water heater. It's a breeze with SharkBite® flexible connectors or the Water Heater installation kits.



### STOPS AND FIXTURE SUPPLY FITTINGS

The SharkBite® system includes a broad range of fittings for installing fixtures and appliances. You can even make custom length risers with SharkBite 1/4" PEX.



### HYDRONIC HEATING SYSTEMS

Under the floor or behind a wall, a broad range of SharkBite® push-fit fittings and PEX products gives you confident connections.

## INSTALLATION AND DISCONNECTION



### EASY INSTALLATION

Ensure the pipe is cut square, using the U702 tool – remove rough edges/debris and mark the pipe for depth. Push pipe and fitting together up to the depth mark.



### FAST DISASSEMBLY

Using the simple disconnect clip or tongs, fittings can be easily changed and reused.

# THE SHARKBITE® CONNECTION SYSTEM

## SharkBite® Push-Fit Products

SharkBite continues to lead the industry with an expansive line of fittings, valves and other innovative, labor saving products for plumbing projects. SharkBite push-fit fittings are the fastest, easiest way to join copper, CTS CPVC and PEX in any combination. With no soldering or glue. Certified: 200 psi & 200° F (93° C). Use for new installation and repair of potable water distribution systems. See certifications & approvals on page 12.

### Couplings

#### Straight Couplings

	SIZE	P/N	P/N (Lead Free)
	1/4" (3/8" OD)	U004	U004LF
	3/8" (1/2" OD)	U006	U006LF*
	1/2" X 1/2"	U008	U008LF
	5/8" X 5/8"	U012	–
	3/4" X 3/4"	U016	U016LF
	1" X 1"	U020	U020LF

#### Reducing Couplings

	3/8" (1/2" OD) X 1/2"	U009	U009LF
	3/4" X 5/8"	U057	–
	3/4" X 1/2"	U058	U058LF
	1" X 3/4"	U060	U060LF

#### PB Conversion Couplings

	1/2" X 1/2" PB	U4008	U4008LF
	3/4" X 3/4" PB	U4016	U4016LF

### Connectors

#### Straight Connectors

	1/2" X 1/2" FNPT	U072	U072LF
	3/4" X 3/4" FNPT	U088	U088LF
	1" X 1" FNPT	U094	U094LF
	1/2" X 1/2" MNPT	U120	U120LF
	3/4" X 3/4" MNPT	U134	U134LF
	1" X 1" MNPT	U140	U140LF

#### Bullnose Connectors

	3/4" X 1/2" FNPT	U092	U092LF**
	3/4" X 1/2" MNPT	U138	U138LF

#### Reducing Connectors

	1/4" (3/8" OD) X 1/2" FNPT	U066	U066LF
	1/2" X 3/4" FNPT	U068	U068LF
	3/8" (1/2" OD) X 1/2" FNPT	U070	U070LF*
	1/4" X 1/2" MNPT	U110	U110LF
	1/2" X 3/4" MNPT	U116	U116LF
	3/8" (1/2" OD) X 1/2" MNPT	U118	U118LF*
	5/8" X 3/4" MNPT	U126	–
	3/4" X 1" MNPT	U139	U139LF**
	1" X 3/4" MNPT	U142	U142LF

### Elbows



	SIZE	P/N	P/N (Lead Free)
	1/4" (3/8" OD)	U244	U244LF
	3/8" (1/2" OD)	U246	U246LF*
	1/2" X 1/2"	U248	U248LF
	5/8" X 5/8"	U252	–
	3/4" X 3/4"	U256	U256LF
	1" X 1"	U260	U260LF
	1/2" X 1/2" MNPT	U280	U280LF
	1/2" X 1/2" FNPT	U308	U308LF

#### Reducing Elbow



	1/2" X 3/8" (1/2" OD)	U272	U272LF**
	3/4" X 5/8"	U273	–
	3/4" X 1/2"	U274	U274LF
	1" X 3/4"	U278	U278LF**

#### Dishwasher Elbow



	1/4" X 3/8" MIP	U276	U276LF
	1/2" X 3/8" MNPT	U281	U281LF**
	1/4" (3/8" OD) X 3/4" GH	U2276†	U2276LF†

#### Drop Ear Elbows



	1/2" X 1/2"	U249	U249LF
	3/8" (1/2" OD) X 1/2" FNPT	U332	U332LF*
	1/2" X 1/2" FNPT	U334	U334LF
	3/4" X 3/4" FNPT	U340	U340LF

#### Hy-Ear Elbow



	1/2" X 1/2" FNPT	U335	U335LF
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### Tees



	1/4" (3/8" OD)	U358	U358LF
	3/8" (1/2" OD)	U360	U360LF*
	1/2" X 1/2" X 1/2"	U362	U362LF
	5/8" X 5/8" X 5/8"	U366	–
	3/4" X 3/4" X 3/4"	U370	U370LF
	3/4" X 3/4" X 3/4" FNPT	U462	U462LF**
	1" X 1" X 1"	U374	U374LF
	1" X 1" X 1" FNPT	U464	U464LF**

#### Bullnose Tee



	3/8" (1/2" OD) X 3/8" (1/2" OD) X 1/2"	U364	U364LF**
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#### Reducing Tee



	1/2" X 1/2" X 1/4" (3/8" OD)	U359	U359LF**
	1/2" X 1/2" X 3/8" (1/2" OD)	U363	U363LF*
	3/4" X 3/4" X 1/2"	U412	U412LF
	3/4" X 1/2" X 3/4"	U444	U444LF
	3/4" X 1/2" X 1/2"	U454	U454LF
	1" X 1" X 3/4"	U416	U416LF

Available: \*September 2010, †October 2010, \*\*December 2010

**End Stops**



SIZE	P/N	P/N (Lead Free)
3/8" (1/2" OD)	U512	U512LF*
1/2"	U514	U514LF
5/8"	U516	-
3/4"	U518	U518LF
1"	U520	U520LF

**Fitting Reducers** (Use to connect to smaller pipe sizes)



3/8" (1/2" OD) X 1/2" CTS	U719	U719LF**
3/8" (1/2" OD) X 3/4" CTS	U721	U721LF**
1/2" X 1" CTS	U722	U722LF**
3/4" X 1" CTS	U724	U724LF**

**Threaded Adapters**



3/4" CTS X 3/4" FNPT	U766	U766LF*
1" CTS X 1" FNPT	U772	U772LF**

**Slip Fittings - For use with copper only.**

Slip fittings simplify repair by doing the job that two couplings and extra pipe used to do. Only one end of the coupling has a stop, allowing the other end to slide freely over the end of a pipe. The fitting can be released with a disconnect tool and slid back onto the other end of the pipe for successful leak repair.

**Slip Couplings**



1/2"	U3008	U3008LF
3/4"	U3016	U3016LF
1"	U3020	U3020LF

**Slip Tees**



1/2"	U3362	U3362LF
3/4"	U3370	U3370LF
1/2" X 1/2" X 1/2" FNPT	U3482	U3482LF
3/4" X 3/4" X 3/4" FNPT	U3486	U3486LF

**Service Slip Tee Adapter**



1/2" X 1/2" X 1/2" CTS	U4482	U4482LF
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**Water Hammer Arrestor**



Provides maintenance-free, continuous protection against water hammer. Can be positioned vertically or horizontally and the SharkBite® connectors allow the arrestor to be installed in seconds, even on wet pipe.

1/2" Residential	22630	-
1/2" Commercial	22631	-
3/4" Residential	22632	-
1" Commercial	22633	-

**Manifolds with SharkBite® Push-fit Branches**



Manifolds are traditionally used in PEX systems, but this new SharkBite manifold will allow easy incorporation into copper or CPVC systems. Use SharkBite push fittings to install these manifolds anywhere in a plumbing system. All manifolds have a 1" trunk with 3/4" tube inlets & outlets and 1/2" push-fit ports (2" on center).

3 port open	22995	22995LF
3 port closed	22996	22996LF
4 port open	22997	22997LF
4 port closed	22998	22998LF

**Flexible Water Heater Connectors**

The stainless steel braided flexible hose and the rotatability of the SharkBite fitting allow making connections in tight spaces without additional fitting, soldering or glue. Available with integral ball valve.



1/2" X 3/4" FIP, 12"	U3068FLEX12	U3068FLEX12LF
1/2" X 3/4" FIP, 15"	U3068FLEX15	U3068FLEX15LF
1/2" X 3/4" FIP, 18"	U3068FLEX18	U3068FLEX18LF
1/2" X 3/4" FIP, 24"	U3068FLEX24	U3068FLEX24LF
3/4" X 3/4" FIP, 12"	U3088FLEX12	U3088FLEX12LF
3/4" X 3/4" FIP, 15"	U3088FLEX15	U3088FLEX15LF
3/4" X 3/4" FIP, 18"	U3088FLEX18	U3088FLEX18LF
3/4" X 3/4" FIP, 24"	U3088FLEX24	U3088FLEX24LF



1/2" BV X 3/4" FIP, 18"	U3068FLEX18BV	U3068FLEX18BVLV
3/4" BV X 3/4" FIP, 18"	U3088FLEX18BV	U3088FLEX18BVLV

**Water Heater Installation Kit**

Kits include 2 SharkBite® connector fittings and a disconnect clip.



1/2" X 3/4" FNPT	22604	22604LF
3/4" X 3/4" FNPT	22441	22441LF

**Contractor Kits**

These SharkBite® Kits include a variety of push-fit fittings, disconnect tongs and clips, and a sturdy case for storage and transport. Cash Acme's SharkBite Connection System is a revolutionary solution for connecting or repairing water distribution pipe.

**Contractor Kit**

**Includes 2 each:** U008, U016, U058, U072, U088, U120, U134, U248 and U256. **1 each:** U362, U370, U514, U518, U710, U711, U713 and U702.

22486	22486LF
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**Irrigation Kit**

**Includes 2 each:** U016, U020, U134, U140, U256 and U260. **1 each:** U088, U094, U370, U374, U518, U520, U702, U712, U713, U714, U715, U766, U772 and U3016.

22795	-
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Available: \*September 2010, \*\*December 2010



# THE SHARKBITE® CONNECTION SYSTEM

## Stops & Fixture Supply Fittings

### Angle Stop



SIZE	P/N	P/N (Lead Free)
1/2" x 1/4" (3/8" OD)	23048-0000	23048LF
1/2" x 3/8" comp	23036-0000	23036LF
1/2" x 1/4" comp	23336-0000	23336LF

### Straight Stop



SIZE	P/N	P/N (Lead Free)
1/2" x 1/4" (3/8" OD)	23049-0000	23049LF
1/2" x 3/8" comp	23037-0000	23037LF
1/2" x 1/4" comp	23337-0000	23337LF

### Stop Valve Tee Adapter



1/4" (3/8"OD) X 1/4" (3/8"OD) X 3/8" compression nut	U3358	U3358LF
1/4" (3/8"OD) X 1/4" (3/8"OD) X 1/4" (3/8"OD) tube	U4358	U4358LF

### Stop Valve Connector



1/4" (3/8"OD) X 3/8" compression nut	U3523	U3523LF
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Converts 3/8" compression stop to SharkBite

### Faucet Connector



1/4" (3/8"OD) X 1/2" Faucet Valve	U3525	U3525LF
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### Toilet Connectors



1/4" (3/8"OD) X Toilet Valve, Straight	U3531	U3531LF
1/4" (3/8"OD) X Toilet Valve, Elbow	U3537	U3537LF

## Faucet & Toilet Kits

Faucet kits contain 2 connectors, 2 coils of PEX and 2 stops. Toilet kits contain a connector, a straight or angle stop and one 5' coil of 1/4" (3/8" OD) PEX tubing.



Faucet w/Angle Stop	23387†	23387LF†
Faucet w/Straight Stop	23388†	23388LF†
Toilet w/Angle Stop	23389†	23389LF†
Toilet w/Straight Stop	23390†	23390LF†

## Tools

### Safe Seal Tool



Deburring and depth gauge all in one. For 1/4", 1/2", 3/4" & 1" PEX, copper and CPVC pipe.	U702	-
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### Disconnect Clips



SIZE	P/N	P/N (Lead Free)
1/4"	U706	-
3/8"	U708	-
1/2"	U710	-
5/8"	U3712	-
3/4"	U712	-
1"	U714	-

### Disconnect Tongs



1/2"	U711	-
3/4"	U713	-
1"	U715	-

## Cash Acme Valves with SharkBite® Connectors

Cash Acme valves with integral or union type SharkBite push-fit connectors offer a tremendous time and labor saving combination for any plumbing application.

## Check Valves

A general purpose, spring loaded check valve that can be installed on copper, CTS CPVC and PEX. The SharkBite® check valve can be installed horizontally or vertically and prevents the reverse flow of water in the supply line.



1/2"	U2008-0000A	U2008-0000LFA
3/4"	U2016-0000A	U2016-0000LFA
1"	U2020-0000A	U2020-0000LFA

## Ball Valves

Full port ball valve now comes with integral SharkBite® connectors for easy installation. The body is composed of highly forged brass and features a single lever control. Use for entire systems, sections or components.



1/2"	22222-0000	22222-0000LF
3/4"	22185-0000	22185-0000LF
1"	22223-0000	22223-0000LF
1/2" X 1/2" FNPT	22182-0000	22182-0000LF**
3/4" X 3/4" FNPT	22186-0000	22186-0000LF**
1" X 1" FNPT	22187-0000	22187-0000LF**
1/2" with drain	22304-0000	-
3/4" with drain	22305-0000	-
1" with drain	22306-0000	-

Available: †October 2010, \*\*December 2010

**Regulators**

The innovative, labor reducing SoloSet® EB-25, the EB-35, and the EB-45 pressure reducing regulators are all available with double union or direct SharkBite® connectors. The EB-25 is set at 45 psi and features a twist cap with a numerical pressure indicator for easy one-man adjustment. The EB-35 is factory set at 45 psi with an adjustment range of 20-90 psi depending on valve size. The EB-45 is factory set at 45 or 60 psi and is adjustable to 10-70 psi.

**With SharkBite® Direct Connectors**

SIZE	P/N	P/N (Lead Free)
EB-35 1/2"	22670-0045	-
EB-35 3/4"	22671-0045	-
EB-35 1"	22672-0045	-
EB-45 1/2"	22673-0045	-
EB-45 3/4"	22674-0045	-
EB-45 1"	22675-0045	-

**With SharkBite® Double Unions & 45 psi Set Pressure**

EB-25 3/4"	22857-0045	-
EB-25 1"	22927-0045	-
EB-35 1/2"	22858-0045	-
EB-35 3/4"	22859-0045	-
EB-35 1"	22928-0045	-
EB-45 1/2"	22860-0045	-
EB-45 3/4"	22861-0045	23252-0045
EB-45 1"	22929-0045	23358-0045

**With SharkBite® Double Unions & 60 psi Set Pressure**

EB-45 3/4"	22950-0060	-
EB-45 1"	22951-0060	-

**EB-45 Temporary Bypass Kit**

Allows for connection to the water supply before pressure regulator installation. A time saving way to flush out all debris and particles from the plumbing system.

EB-45 3/4"	22934	-
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**SharkBite® Gauges**

Use to measure or monitor water conditions in water distribution systems. Quick push-fit installation as temporary (reusable) or permanent device in copper, CTS CPVC and PEX plumbing systems.

**Pressure Gauges**

with 1/2" Tee	22770	-
with 3/4" Tee	22772	-
with 1" Tee	22774	-
1/2" Tube Size	22883	-
1/2" Tube Size	22885	-

**Temperature Gauges**

SIZE	P/N	P/N (Lead Free)
with 1/2" Tee	22771	-
with 3/4" Tee	22773	-
with 1" Tee	22775	-
1/2" Tube Size	22884	-
1/2" Tube Size	22886	-

**SharkBite® Thermostatic Valves**

Direct or double union SharkBite® push-fit connectors provide a simplified, time and labor saving installation. Heatguard® valves deliver water at a safe 120°F (49°C) or lower from all outlets, while allowing the heater to be set at a germ-killing 140°F (60°C) or higher which aids in preventing the growth of legionella bacteria in the water heater. And the higher tank temperature means hot water demands can be satisfied longer. Every valve is tested for performance and includes a unique adjuster tool that minimizes tampering with the valve setting. Rugged, simple construction incorporates a precision engineered polymer piston and the latest in thermostatic technology.

**Thermostatic Valves with Integral Connectors**

HG-110D 1/2"	24104-0000	-
HG-110D 3/4"	24105-0000	-

**Thermostatic Valves with SharkBite® Unions**

HG-115H 3/4"	24326-0000	-
HG-115D 3/4"	24328-0000	-

**With SharkBite® Unions and Check Valves**

HG-115H 3/4"	24327-0000	-
HG-115D 3/4"	24329-0000	-

**Thermostatic Valve Retrofit Kits**

Includes 3 CTS tailpieces. Use with SharkBite® push-fit fittings to easily connect a Heatguard valve to 1/2" and 3/4" pipe. Heatguard 110-D with gaskets purchased separately.

1/2"	24311-0000	-
3/4"	24312-0000	-



# THE SHARKBITE® CONNECTION SYSTEM

## SharkBite® PEX Tubing

SharkBite® PEX tubing is a cross-linked polyethylene tubing for a wide range of residential and commercial plumbing applications. Manufactured without an oxygen barrier for potable water systems and with an oxygen barrier for radiant floor and hydronic heating applications. The oxygen diffusion barrier applied to the exterior limits oxygen permeation through the tubing wall in hydronic heating applications which prevents corrosion of ferrous metal parts in the heating system. A repeating SharkBite® imprint pattern provides a visual aid to determine if the tube has been inserted all the way into the SharkBite® Push-Fit Fitting. This feature only works if the tubing is cut between the SharkBite® imprint pattern.



**Approvals:** The SharkBite® tubing with and without oxygen barrier is approved for use in all model codes in the US and Canada for use in hydronic and potable water systems and is certified to the following standards: NSF 14/61, NSF P171, ASTM F 876, ASTM F 877, CSA B137.5 and AWWA C904.

## PEX With Oxygen Barrier - Straight Lengths and Coils

Use for radiant floor and hydronic heating applications. The oxygen diffusion barrier is applied to the exterior and limits oxygen permeation through the tubing wall in hydronic heating applications. This prevents corrosion of ferrous metal parts in the heating system.

DIAMETER	LENGTH	BLACK TEXT
3/8" PEX Orange Color	100' coil	U855O100
	300' coil	U855O300
	500' coil	U855O500
1/2" PEX Orange Color	20' straight	U860O20
	100' coil	U860O100
	300' coil	U860O300
	500' coil	U860O500
	1000' coil	U860O1000
5/8" PEX Orange Color	300' coil	U865O300
3/4" PEX Orange Color	20' straight	U870O20
	100' coil	U870O100
	300' coil	U870O300
	500' coil	U870O500
	1000' coil	U870O1000
1" PEX Orange Color	20' straight	U880O20
	100' coil	U880O100
	300' coil	U880O300
	500' coil	U880O500

## PEX Without Oxygen Barrier - Straight Lengths and Coils

Use for potable water distribution and other water systems. Available in straight lengths and coils in pipe sizes ranging from 1/4" through 1" .

DIAMETER	LENGTH	GRAY
1/4" (3/8" OD) PEX Gray Color	5' straight	U850G5
	50' coil	U850G50

DIAMETER	LENGTH	BLUE	RED	WHITE
3/8" (1/2" OD) PEX Blue, Red or White	5' straight	-	-	U855W5
	10' straight	-	-	U855W10
	50' coil	-	-	U855W50
	100' coil	U855B100	U855R100	U855W100

1/2" PEX Blue, Red or White	5' straight	U860B5	U860R5	U860W5
	10' straight	U860B10	U860R10	U860W10
	20' straight	U860B20	U860R20	U860W20
	25' coil	-	-	U860W25
	50' coil	-	-	U860W50
	100' coil	U860B100	U860R100	U860W100
	300' coil	U860B300	U860R300	U860W300
	500' coil	U860B500	U860R500	U860W500

3/4" PEX Blue, Red or White	5' straight	U870B5	U870R5	U870W5
	10' straight	U870B10	U870R10	U870W10
	20' straight	U870B20	U870R20	U870W20
	25' coil	-	-	U870W25
	100' coil	U870B100	U870R100	U870W100
	300' coil	U870B300	U870R300	U870W300
		500' coil	U870B500	U870R500

1" PEX Blue, Red or White	5' straight	U880B5	U880R5	U880W5
	10' straight	U880B10	U880R10	U880W10
	20' straight	U880B20	U880R20	U880W20
	100' coil	U880B100	U880R100	U880W100
	300' coil	U880B300	U880R300	U880W300
		500' coil	U880B500	U880R500

## SharkBite® Fittings/Tube Size Compatibility

Nominal Size of Fitting	Nominal Size of Tubing	Tubing OD Size	Tubing ID Size
1/4"	1/4" CTS	3/8"	0.305"
3/8"	3/8" CTS	1/2"	0.350"
1/2"	1/2" CTS	5/8"	0.475"
5/8"	5/8" CTS	3/4"	0.652"
3/4"	3/4" CTS	7/8"	0.671"
1"	1" CTS	1"	0.885"
1/4" compression	1/4" ACR	1/4"	0.190"
3/8" compression	3/8" ACR	3/8"	0.311"

**SharkBite® PEX/Barb Products**

The PEX/Barb Connection System includes fittings, manifolds, valves, clamp rings, crimp rings and tools. Plus SharkBite PEX tubing in sizes and lengths for any job.

**Couplings**

**Straight Couplings**



SIZE	P/N	P/N (Lead Free)
3/8" X 3/8"	UC006	UC006LF
1/2" X 1/2"	UC008	UC008LF
3/4" X 3/4"	UC016	UC016LF
1" X 1"	UC020	UC020LF

**Reducing Couplings**

3/8" X 1/2"	UC009	UC009LF
1/2" X 3/4"	UC058	UC058LF
3/4" X 1"	UC060	UC060LF

**Adapters**

**Threaded Adapters**



3/8" X 1/2" MNPT	UC118	UC118LF
1/2" X 3/4" FNPT	UC068	UC068LF
1/2" X 1/2" FNPT	UC072	UC072LF
1/2" X 1/2" MNPT	UC120	UC120LF
1/2" X 3/4" MNPT	UC116	UC116LF
3/4" X 3/4" FNPT	UC088	UC088LF
3/4" X 3/4" MNPT	UC134	UC134LF
3/4" X 1/2" MNPT	UC138	UC138LF
3/4" X 1" MNPT	UC139	UC139LF
1" X 1" FNPT	UC094	UC094LF
1" X 1" MNPT	UC140	UC140LF
1" X 3/4" MNPT	UC142	UC142LF

**Sweat Adapters**



3/8" X 1/2" Male	UC593	UC593LF
1/2" X 1/2" Female	UC600	UC600LF
1/2" X 1/2" Male	UC607	UC607LF
3/4" X 3/4" Female	UC606	UC606LF
3/4" X 3/4" Male	UC608	UC608LF
1" X 1" Male	UC609	UC609LF

**Polybutylene Adapters (with PB Crimp Ring)**



3/8" X 3/8" PB	UC4006	UC4006LF
1/2" X 1/2" PB	UC4008	UC4008LF
3/4" X 3/4" PB	UC4016	UC4016LF

**Tees**



SIZE	P/N	P/N (Lead Free)
3/8" X 3/8" X 3/8"	UC360	UC360LF
1/2" X 1/2" X 1/2"	UC362	UC362LF
3/4" X 3/4" X 3/4"	UC370	UC370LF
1" X 1" X 1"	UC374	UC374LF

**Bullnose Tee**

1/2" X 1/2" X 3/4"	UC408	UC408LF
3/4" X 3/4" X 1"	UC413	UC413LF

**Reducing Tees**



3/8" X 3/8" X 1/2"	UC364	UC364LF
1/2" X 1/2" X 3/8"	UC363	UC363LF
1/2" X 3/8" X 1/2"	UC434	-
1/2" X 3/8" X 3/8"	UC452	UC452LF
3/4" X 3/4" X 1/2"	UC412	UC412LF
3/4" X 3/4" X 3/8"	UC417	-
3/4" X 1/2" X 3/4"	UC444	UC444LF
3/4" X 1/2" X 1/2"	UC454	UC454LF
1" X 3/4" X 3/4"	UC414	UC414LF
1" X 1" X 1/2"	UC415	UC415LF
1" X 1" X 3/4"	UC416	UC416LF
1" X 3/4" X 1"	UC418	-

**Elbows**



3/8" X 3/8"	UC246	UC246LF
1/2" X 1/2"	UC248	UC248LF
3/4" X 3/4"	UC256	UC256LF
1" X 1"	UC260	UC260LF
1/2" X 1/2" MNPT	UC280	UC280LF

**Reducing Elbow**



1/2" X 3/8"	UC272	UC272LF
3/4" X 1/2"	UC274	UC274LF

**Drop Ear Elbow**



1/2" X 1/2" FNPT	UC334	UC334LF
3/4" X 3/4" FNPT	UC340	UC340LF
3/4" X 1/2" FNPT	UC342	UC342LF

**Adapter Elbows**



1/2" X 3/4" MNPT	UC278	-
3/4" X 3/4" MNPT	UC286	-
3/4" X 3/4" F sweat	UC626	UC626LF
3/4" X 3/4" M sweat	UC628	UC628LF



# THE SHARKBITE® CONNECTION SYSTEM

## Swivel Fittings

### Swivel Adapters

	SIZE	P/N	P/N (Lead Free)
	3/8" X 1/2" FNPT	UC527	UC527LF
	1/2" X 1/2" FNPT	UC526	UC526LF
	1/2" X 3/4" FNPT	UC534	UC534LF
	3/4" X 3/4" FNPT	UC530	UC530LF
	3/4" X 1" FNPT	UC529*	UC529LF*
	1" X 1" FNPT	UC594	UC594LF

### Swivel Elbows

	3/8" X 1/2" FNPT	UC531	UC531LF
	1/2" X 1/2" FNPT	UC532	UC532LF

### Swivel Toilet Connectors

	1/2" X 7/8" straight	UC528*	UC528LF*
	3/8" X 7/8" elbow	23068	-
	1/2" X 7/8" elbow	23067	-

## PEX Chrome Plated Stops

### 1/4 Turn Angle Stops

	1/2" X 1/4" comp	23056	-
	1/2" X 3/8" comp	23058	23058LF

### 1/4 Turn Straight Stop

	3/8" X 3/8"	23382*	23382LF*
	1/2" X 3/8" comp	23057	23057LF

### 1/4 Turn Tee Stop

	1/2" X 3/8" comp X 3/8" comp	23066	-
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### Angle Stops

	1/2" X 3/8" comp	23060	-
	1/2" X 3/8" MHT	23064	23064LF

### Straight Stops

	SIZE	P/N	P/N (Lead Free)
	1/2" X 3/8" comp	23059	-
	1/2" X 1/2" MPT	23061	23061LF
	1/2" X 3/8"	23062	23062LF
	1/2" X 1/2"	23063	23063LF

## Plugs

	3/8"	UC512	UC512LF
	1/2"	UC514	UC514LF
	3/4"	UC518	UC518LF
	1"	UC520	UC520LF

## Copper Stubout Elbow

	1/2" X Closed (4" X 8")	22791	-
	3/8" X 1/2" (4" X 4")	23069	-
	1/2" X 1/2" (4" X 4")	23070	-

All copper stubout elbows are LEAD FREE.

## Copper Manifolds with Barb Branches

1" Trunk with 3/4" barb inlets & outlets and 1/2" barb ports (2" on center)

	3 port closed	22783	-
	3 port open	22784	-
	4 port closed	22785	-
	4 port open	22786	-
	6 port closed	22787	-
	6 port open	22788	-
	8 port closed	22789	-
	8 port open	22790	-

All copper manifolds with barb branches are LEAD FREE.

## Polymer Bend Support for PEX pipe

	1/2" with bracket	23050	-
	3/4"	23051	-

## Metal Support for PEX pipe

	1/2"	23053	-
	3/4"	23054	-

## Polymer Insulated Suspension Clamp for PEX

	1/2" CTS, F-5	23071A10	-
	3/4" CTS, F-5	23072A10	-
	1" CTS, F-5	23073A10	-

## Polymer Pipe Insulator for PEX

	SIZE	P/N	P/N (Lead Free)
	1/2" CTS, F-5	23074A10	-
	3/4" CTS, F-5	23075A10	-
	1" CTS, F-5	23076A10	-

Available: \*September 2010

**Clamp Rings**



1/4"	–	–
3/8"	UC952	–
1/2"	UC953	–
5/8"	UC954	–
3/4"	UC955	–
1"	UC956	–

**PEX Clamp Tool**



For use with SharkBite® Barb 3/8", 1/2", 3/4" and 1" fittings and SharkBite® PEX tubing.

One-hand Operation	UC961	–
Standard Handles	23081	–

**Crimp Rings**



3/8"	23101	–
1/2"	23102	–
3/4"	23103	–
1"	23104	–

**PEX Crimp Ring Tool Kit**



Includes Crimp Tool, jaws for 3/8", 1/2", 5/8", 3/4" and 1" size crimp rings and SharkBite Barb fittings. And a go-no-go gauge, adjustment tools and case.

–	23100	–
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**PEX Crimp Tools**



3/8"	23077	–
1/2"	23078	–
3/4"	23079	–
1/2" & 3/4"	23251	–
3/8", 1/2" & 3/4"	23383	–

Note: 23383 Combo Crimp Tool requires using Vise Grips® to close the jaws.

**Crimp Ring Gauge**



3/8", 1/2" & 3/4"	23080	–
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**Crimp Ring Removal Tool**



Use to remove 3/8", 1/2", 3/4" and 1" SharkBite® crimp rings.

SIZE	P/N	P/N (Lead Free)
–	23055	–

**PEX Tubing Cutter**



Use to cut 1/4", 3/8", 1/2", 3/4" and 1" SharkBite PEX tubing.

–	U701	–
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**Regulators with PEX/Barb Ends**



EB-25 3/4"	22865-0045	–
EB-25-400 3/4"	22866-0045	–
EB-25 1"	22867-0045	23140-0045
EB-25-400 1"	22868-0045	–

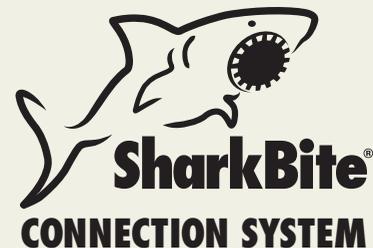
EB-35 3/4"	22364-0045	–
EB-35 1"	22365-0045	–

EB-45 3/4"	22798-0045	–
EB-45 1"	22799-0045	–

**Ball Valves with PEX/Barb Ends**



1/2"	22461	22461LF
3/4"	22462	22462LF
1"	22463	22463LF



## CERTIFICATIONS

The **SharkBite®** push-fit fittings have been design certified and listed to ASSE 1061/NSF 61. The **SharkBite®** push-fit fittings are listed by IAPMO and are certified for potable and hydronic heating water distribution (note: Glycol mixture for hydronics is not to exceed 100% concentration). The **SharkBite®** push-fit fittings have been certified for underground applications and as a manufactured joint without access panels and they meet UPC, IPC and cUPC requirements. **Please consult with local plumbing codes concerning specific applications.**

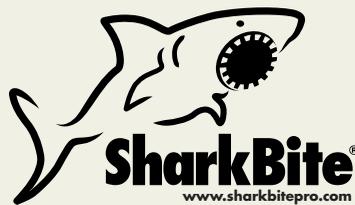
The **SharkBite®** tubing without oxygen barrier is approved for all model codes in the US and Canada for use in potable water systems and is certified to the following standards: NSF 14/61, NSF P171, ASTM F 876, ASTM F 877, CSA B137.5 and AWWA C904.

The **SharkBite®** tubing with oxygen barrier is approved for use in all model codes in the US and Canada for use in hydronic and potable water systems and is certified to the following standards: NSF 14/61, NSF P171, ASTM F 876, ASTM F 877, CSA B137.5 and AWWA C904.

**Note:** The **SharkBite®** push-fit fittings are not approved for use with chrome-plated pipe. SharkBite PB Couplings are designed to work with ASTM D3309 spec polybutylene, do not install onto damaged or decayed PB pipe.

SharkBite® Fittings/Tube Size Compatibility			
Nominal Size of Fitting	Nominal Size of Tubing	Tubing OD Size	Tubing ID Size
1/4"	1/4" CTS	3/8"	0.305"
3/8"	3/8" CTS	1/2"	0.350"
1/2"	1/2" CTS	5/8"	0.475"
5/8"	5/8" CTS	3/4"	0.652"
3/4"	3/4" CTS	7/8"	0.671"
1"	1" CTS	1"	0.885"
1/4" compression	1/4" ACR	1/4"	0.190"
3/8" compression	3/8" ACR	3/8"	0.311"

**Note:** 1/4" push-fit connector ends require use of 3/8" OD CTS size PEX, CPVC or hard drawn Type K, L and M and annealed Type M copper complying with ASTM B 88. SharkBite® connector ends are not approved for use with chrome plated pipe. If it is necessary to use chrome plated tubing, the chrome finish should be completely removed from 1" of the tubing ends.



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