

# THE SHARKBITE® CONNECTION SYSTEM

## SHARKBITE® FITTING 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 tube liner for PEX installations:

- **Integrated design means no loose components, ensures secure, reliable connection.**

Design certified and agency listed:

- **Inspector friendly, peace of mind!**

Compact, robust DZR brass body:

- **Foundation of a strong, corrosion resistant, durable fitting.**

Design certified to ANSI/NSF-61 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.

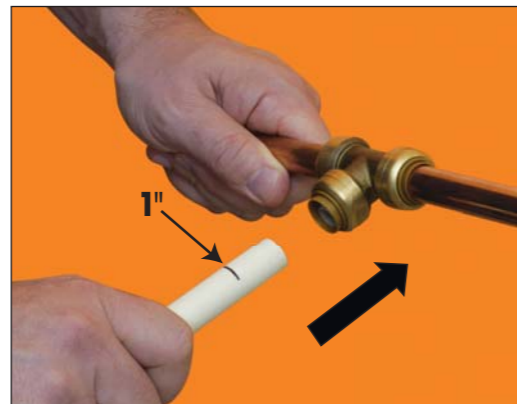
Designed for hydronic heating as well as potable water distribution.



## SHARKBITE® PEX INSIDE (ID) & OUTSIDE DIAMETER (OD)

Nominal Diameter	OD inches	ID inches
3/8"	0.5	0.35
1/2"	0.625	0.475
3/4"	0.875	0.671
1"	1.125	0.885

## SHARKBITE® INSTALLATION



Ensure pipe is cut square and rough edges and debris are removed. Push pipe and fitting together to a 1" depth for permanent joints with Copper, CTS CPVC and PEX. Disconnect clip is available separately. Complete details at [www.cashacme.com](http://www.cashacme.com)

## 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 50% 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 with oxygen barrier is design certified and listed to ASTM F-876, F-877, CSA B137.5 standards, and is listed to the NSF standards 14 and CSA B137.5 standards for use in potable water systems. The **SharkBite®** tubing with oxygen barrier is design certified and listed to ASTM F-876, F-877, CSA B137.5 standards, and is listed to the NSF standards.



**OVERBUILT IS AN UNDERSTATEMENT.™**

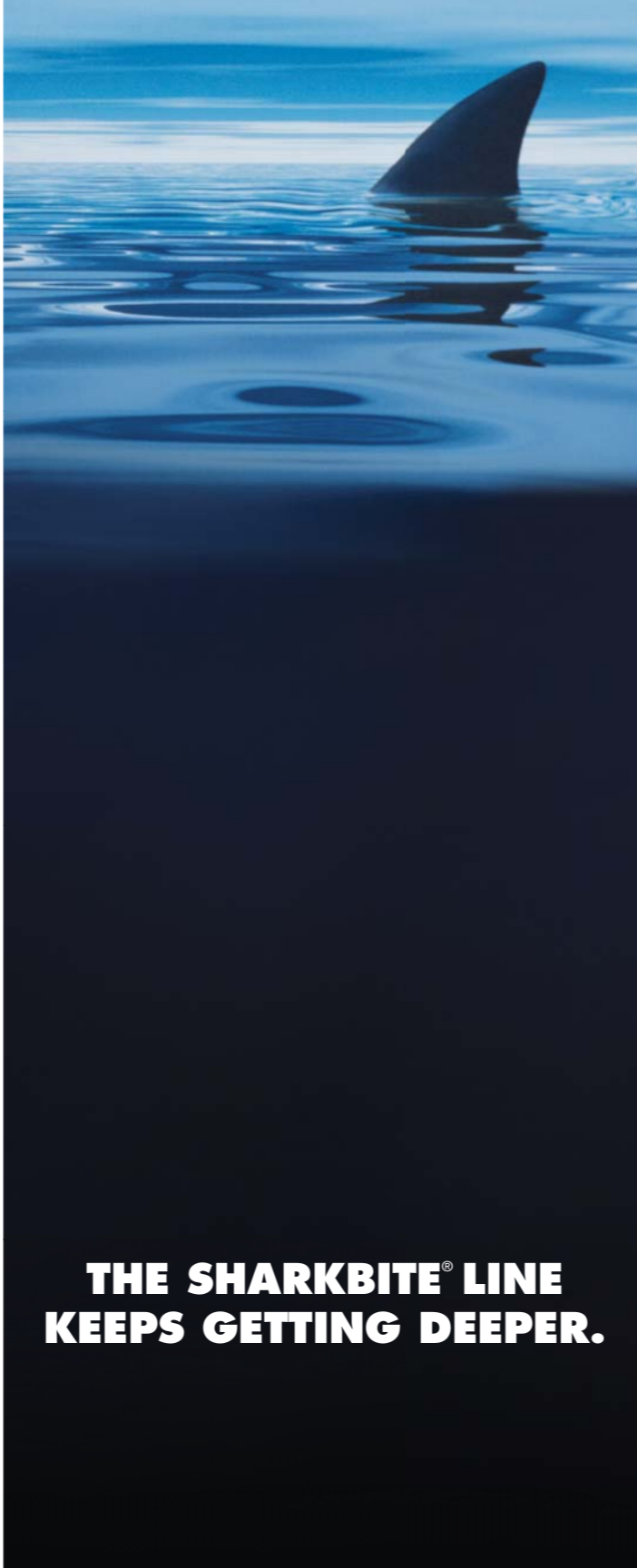
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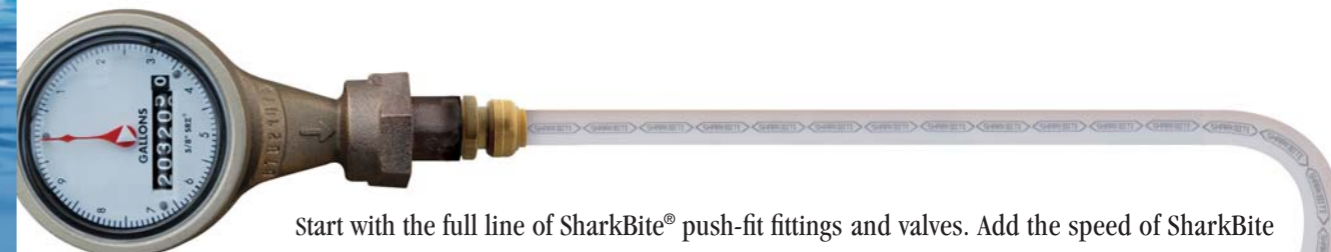
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## THE SHARKBITE® LINE KEEPS GETTING DEEPER.

## INTRODUCING THE FASTEST WAY TO GET FROM HERE



Start with the full line of SharkBite® push-fit fittings and valves. Add the speed of SharkBite



PEX tubing. And you've got the industry's only Total Rough-In Solution™ – the fastest, easiest way



from meter to fixtures. Just insert the PEX and the stainless steel teeth bite down tight while an O-ring creates



a perfect seal. A simple disconnect tool makes any mistake a quick fix and fittings



easy to change and re-use. And SharkBite is a truly extensive system with more

than 130 products in the line, including 3/8" to 1" fittings, 1/2" to 1" valves,



and new 3/8" to 1" PEX. Check out the SharkBite

Total Rough-In Solution. And get totally up to speed.

## TO HERE.



**OVERBUILT IS AN UNDERSTATEMENT.™**

## AVAILABLE SHARKBITE® PRODUCTS



### Straight Coupling

3/8" X 3/8" (U006) ■  
1/2" X 1/2" (U008)  
3/4" X 3/4" (U016)  
1" X 1" (U020)



### Reducing Coupling

3/8" X 1/2" (U009) ■  
3/4" X 1/2" (U058)  
1" X 3/4" (U060)



### Straight Connector

1/2" X 1/2" FNPT (U072)  
3/4" X 3/4" FNPT (U088)  
1" X 1" FNPT (U094)  
1/2" X 1/2" MNPT (U120)  
3/4" X 3/4" MNPT (U134)  
1" X 1" MNPT (U140)

### Reducing Connector

1/2" X 3/4" FNPT (U068)  
3/8" X 1/2" FNPT (U070) ■  
1/2" X 3/4" MNPT (U116)  
3/8" X 1/2" MNPT (U118) ■  
1" X 3/4" MNPT (U142)



### Elbow

3/8" X 3/8" (U246) ■  
1/2" X 1/2" (U248)  
3/4" X 3/4" (U256)  
1" X 1" (U260)  
3/4" X 1/2" (U274)  
1/2" X 1/2" MNPT (U280)  
1/2" X 1/2" FNPT (U308)



### Hy-Ear Elbow

1/2" X 1/2" FNPT (U335)

### Drop Ear Elbow

1/2" X 1/2" (U249)  
3/8" X 1/2" FNPT (U332) ■  
1/2" X 1/2" FNPT (U334)  
3/4" X 3/4" FNPT (U340) ■



### Tee

3/8" X 3/8" X 3/8" (U360) ■  
1/2" X 1/2" X 1/2" (U362)  
3/4" X 3/4" X 3/4" (U370)  
1" X 1" X 1" (U374)

### Bullnose Tee

3/8" X 3/8" X 1/2" (U364) ■



### Reducing Tee

1/2" X 1/2" X 3/8" (U363) ■  
3/4" X 3/4" X 1/2" (U412)  
1" X 1" X 3/4" (U416)  
3/4" X 1/2" X 3/4" (U444)  
3/4" X 1/2" X 1/2" (U454)



### End Stop

3/8" (U512) ■  
1/2" (U514)  
3/4" (U518)  
1" (U520)



### Reducers & Adapters

3/8" X 1/2" tube (U719) ■  
3/8" X 3/4" tube (U721) ■  
1/2" X 1" tube (U722)  
3/4" X 1" tube (U724)  
3/4" tube X 3/4" FNPT (U766) ■  
1" tube X 1" FNPT (U772) ■

Fitting reducers can be used with 1" fittings to form various reducing fittings.



### Safe Seal Tool (U702)

Deburring and depth gauge all in one. For use with 1/2", 3/4", and 1".



### Disconnect Clips

3/8" (U708) ■ 3/4" (U712)  
1/2" (U710) 1" (U714)



### Disconnect Tongs

1/2" (U711) 1" (U715)  
3/4" (U713)



### Check Valves

1/2" (U2008-0000)  
3/4" (U2016-0000)  
1" (U2020-0000)



### Ball Valves

1/2" (22222-0000)  
3/4" (22185-0000)  
3/4" FNPT X 3/4" (22186-0000)  
1" (22223-0000)



### Water Hammer Arrestor

1/2" (22630, 22631)  
3/4" (22632)  
1" (22633)

■ Indicates new product



### Regulators

1/2" EB-86 (21561-0045)  
3/4" EB-86 (21562-0045)  
1/2" EB-45 (22673-0045)  
3/4" EB-45 (22674-0045)  
1" EB-45 (22675-0045)  
1/2" EB-35 (22670-0045)  
3/4" EB-35 (22671-0045)  
1" EB-35 (22672-0045)



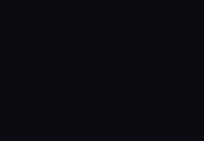
### Gauges

1/2" Pressure gauge (22770)  
1/2" Temperature gauge (22771)  
3/4" Pressure gauge (22772)  
3/4" Temperature gauge (22773)  
1" Pressure gauge (22774)  
1" Temperature gauge (22775)



### Contractor Kit (22486)

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



### Irrigation Contractor Kit (22795)

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



### Water Heater Kit

3/4" X 3/4" FNPT (22441)  
1/2" X 3/4" FNPT (22604)



### Slip Coupling

For use with copper only.

1/2" (U3008) 1" (U3020)  
3/4" (U3016)



### Retrofit Tailpiece Kit

1/2" (24311-0000)  
3/4" (24312-0000)  
Includes 3 CTS tailpieces. (gaskets provided with Heatguard) Use with SharkBite® push-fit fittings to easily connect a Heatguard® valve to 1/2" and 3/4" pipe.  
Heatguard® 110-D purchased separately.



### Thermostatics

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



## SHARKBITE® PEX TUBING & SHARKBITE® BARB FITTINGS

### SharkBite® PEX Tubing

Available in 3/8", 1/2", 3/4" and 1" with and without oxygen barrier in coils of 100', 300' and 500' and 20' straight lengths without oxygen barrier.

### With Oxygen Barrier Coils

3/8" Orange Color with Black Text	100' coil	U855O100
	300' coil	U855O300
	500' coil	U855O500
1/2" Orange Color with Black Text	100' coil	U860O100
	300' coil	U860O300
	500' coil	U860O500
3/4" Orange Color with Black Text	100' coil	U870O100
	300' coil	U870O300
	500' coil	U870O500
1" Orange Color with Black Text	100' coil	U880O100
	300' coil	U880O300
	500' coil	U880O500

### Without Oxygen Barrier Coils & Straight Lengths

3/8" Natural Color with Black Text	100' coil	U855N100
	300' coil	U855N300
	500' coil	U855N500
3/8" Natural Color with Red Text	100' coil	U855NR100
	300' coil	U855NR300
	500' coil	U855NR500
1/2" Natural Color with Black Text	20' length	U860N20
	100' coil	U860N100
	300' coil	U860N300
1/2" Natural Color with Red Text	500' coil	U860N500
	20' length	U860NR20
	100' coil	U860NR100
3/4" Natural Color with Black Text	300' coil	U860NR300
	500' coil	U860NR500
	20' length	U870N20
3/4" Natural Color with Red Text	100' coil	U870N100
	300' coil	U870N300
	500' coil	U870N500
1" Natural Color with Black Text	20' length	U870NR20
	100' coil	U870NR100
	300' coil	U870NR300
1" Natural Color with Red	500' coil	U870NR500
	20' length	U880N20
	100' coil	U880N100
1" Natural Color with Red	300' coil	U880N300
	500' coil	U880N500
	20' length	U880NR20
1" Natural Color with Red	100' coil	U880NR100
	300' coil	U880NR300
	500' coil	U880NR500



### Coupling

3/8" (UC006) 3/4" (UC016)  
1/2" (UC008) 1" (UC020)



### Reducing Coupling

3/8" X 1/2" (UC009) 3/4" X 1" (UC060)  
1/2" X 3/4" (UC058)



### Elbow

3/8" (UC246) 3/4" (UC256)  
1/2" (UC248) 1" (UC260)



### Tee

3/8" (UC360) 3/4" (UC370)  
1/2" (UC362) 1" (UC374)



### Reducing Tee

3/4" X 3/4" X 1/2" (UC412) 3/4" X 1/2" X 3/4" (UC444)  
1" X 3/4" X 3/4" (UC414) 3/4" X 1/2" X 1/2" (UC454)  
1" X 1" X 3/4" (UC416)



### Copper Manifolds

3/4" Barb X Closed - with 3-1/2" Barbs (22783)  
3/4" Barb X 3/4" Barb - with 3-1/2" Barbs (22784)  
3/4" Barb X Closed - with 4-1/2" Barbs (22785)  
3/4" Barb X 3/4" Barb - with 4-1/2" Barbs (22786)  
3/4" Barb X Closed - with 6-1/2" Barbs (22787)  
3/4" Barb X 3/4" Barb - with 6-1/2" Barbs (22788)  
3/4" Barb X Closed - with 8-1/2" Barbs (22789)  
3/4" Barb X 3/4" Barb - with 8-1/2" Barbs (22790)



### Copper Stubout Elbow

4" X 8" Elbow - 1/2" Barb X Closed (22791)



### EB-45 Regulators

3/4" EB-45 with Double Barb Ends (22798-0045)  
1" EB-45 with Double Barb Ends (22799-0045)



### Clamp Rings

3/8" (UC952) 3/4" (UC955)  
1/2" (UC953) 1" (UC956)



### PEX Clamping Tool (UC961)

Ergonomic design for one-hand operation. For use with SharkBite® Barb 3/8", 1/2", 3/4" and 1" fittings and SharkBite® PEX tubing.



### PEX Tubing Cutter (U701)

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