

SharkBite® Plumbing System







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Welcome to our complete range of products and solutions.

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One complete solution

Reliance Worldwide Corporation® (RWC) is a market leader and manufacturer of water control systems and plumbing solutions for residential, commercial and industrial applications. Established in 1949, the RWC portfolio includes industry-leading brands: SharkBite® Push-to-Connect plumbing solutions; HoldRite® engineered plumbing and mechanical solutions; Cash Acme® control valves; John Guest® fittings and fluid dispense products and StreamLabs® smart water technologies. Engineered for quality and efficiency, the portfolio of products from the RWC brands work together to create an end-to-end solution from meter to fixture, floor to ceiling.



Push-to-connect system

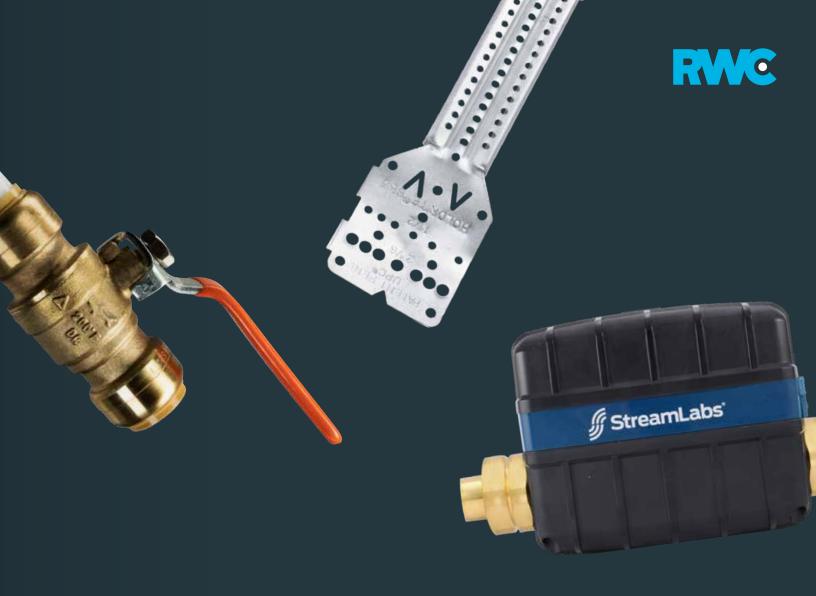
Push-to-connect plumbing solutions for residential and commercial applications.



Engineered solutions

Secondary pipe supports, acoustic noise and vibration plumbing solutions, firestop systems, DWV testing solutions and water heater accessories.







Water control valves

Pressure regulating valves, thermostatic mixing valves and temperature & pressure relief valves for safeguarding water systems.



Smart home water monitor

Smart home water monitor and leak detection technology to protect homes from water damage.



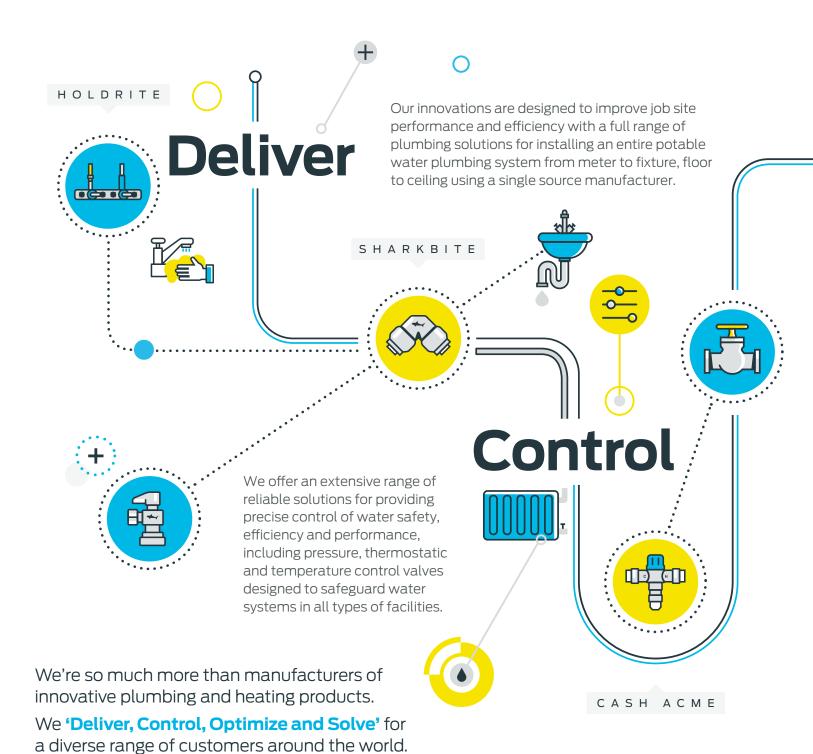
Specialist industry solutions

Push-to-connect solutions for specialist industries and OEMs.

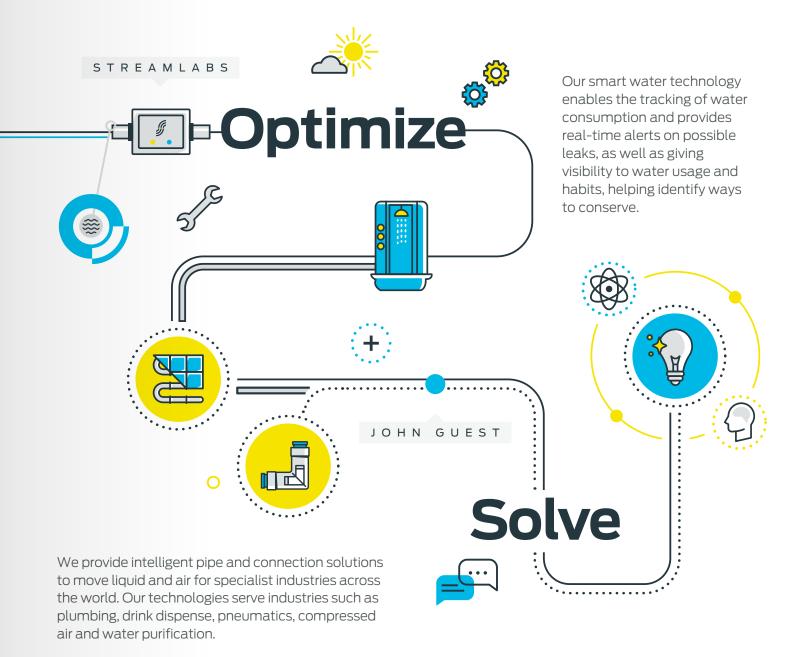




Uniting our family of brands









Redefining efficiency

For more than 20 years and with over 250 million fittings installed, SharkBite has been at the forefront of innovating solutions for helping the plumbing trade improve efficiency with enhanced jobsite performance. Being a leader through continuous innovation and providing solutions that address the challenges that plumbing professionals face every day is who we are.

Whether you are repairing a water line, installing a water heater, remodeling a home or plumbing a system in a new construction job, SharkBite provides proven solutions that save time, reduce cost and have the versatility to overcome the most difficult situations.



The mark of quality

Speed and ease of use

Push-to-connect design enables efficient install. No special tools, glue or solder required, which means more productivity and lower risk of installation errors.

Quality

Field-tested with more than 1.5 million connections every week. SharkBite owns its manufacturing process and backs its products with a 25-year system warranty.

Versatility

SharkBite brass push fittings are compatible with PEX, copper, CPVC, HDPE and PE-RT pipe. Solutions are also available for PVC and polybutylene pipe.

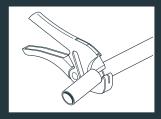
Code Approved

Approved for underground and behind-the-wall applications with no access panels. Wrapping required when burying brass fittings underground.

SharkBite plumbing system

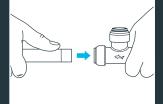
How to install SharkBite push-to-connect products.

Cut



Cut the pipe square removing rough edges and debris. Mark the pipe to the correct insertion depth.

Push

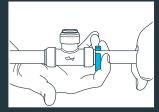


Push pipe and fitting together up to the depth mark.

Done



Disconnect



Using the disconnect clip, fittings can be easily changed, removed and reused.

SharkBite Fittings / Pipe Size Compatibility / Pipe Insertion Depth

SharkBite Fitting Size (In.)	Nominal Pipe Size	Pipe OD Size (In.)	Pipe Insertion Depth Fraction (In.)	Pipe Insertion Depth (MM)
1/4	1/4 in. CTS	3/8	7/8	20.73
3/8	3/8 in. CTS	1/2	1	23.97
1/2	1/2 in. CTS	5/8	1	24.25
5/8	5/8 in. CTS	3/4	1-1/8	28.82
3/4	3/4 in. CTS	7/8	1-1/8	28.4
1	1 in. CTS	1-1/8	1-4/8	32.2
1-1/4	1-1/4 in. CTS	1-3/8	1-7/8	47.8
1-1/2	1-1/2 in. CTS	1-5/8	2	52
2	2 in. CTS	2-1/8	2-1/4	55.7



Rough Plumbing Fittings

Coupling





Part number	Description	Qty
U004LF	1/4 in. (3/8 in. OD) x 1/4 in. (3/8 in. OD)	6
U006LF	3/8 in. (1/2 in. OD) x 3/8 in. (1/2 in. OD)	6
U008LF	1/2 in. x 1/2 in.	12
U016LF	3/4 in. x 3/4 in.	12
U020LF	lin.xlin.	6
UXL0135	1-1/4 in. x 1-1/4 in. *	1
UXL0141	1-1/2 in. x 1-1/2 in. *	1
UXL0154	2 in. x 2 in. *	1

 $[\]boldsymbol{\ast}$ For PEX applications, stiffeners are sold separately.

Reducing Coupling





Part number	Description	Qty
U050LF	1/2 in. x1/4 in. (3/8 in. OD)	6
U009LF	1/2 in. x 3/8 in. (1/2 in. OD)	6
U058LF	3/4 in. x 1/2 in.	12
U060LF	1 in. x 3/4 in.	6
UXL013528	1-1/4 in. x 1 in. *	1
UXL014128	1-1/2 in. x 1 in. *	1
UXL014135	1-1/2 in. x 1-1/4 in. *	1
UXL015441	2 in. x 1-1/2 in. *	1

^{*} For PEX applications, stiffeners are sold separately.

Slip Coupling (only suitable for copper and CPVC)





Slip couplings are the most efficient way to repair a burst pipe or leak. Slip fittings simply 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 opposite end to slide freely over the end of a pipe. The fittings can then be released with a disconnect tool and slid back onto the other end of the pipe for a successful connection and leak repair.

Part number	Description	Qty
U3016LF	3/4 in. x 3/4 in.	3
U3008LF	1/2 in. x 1/2 in.	3
U3020LF	lin.xlin.	1
UXL0635	1-1/4 in. x 1-1/4 in. *	1
UXL0641	1-1/2 in. x 1-1/2 in. *	1
UXL0654	2 in. x 2 in. *	1

 $[\]boldsymbol{\ast}$ For PEX applications, stiffeners are sold separately.

Rough Plumbing Fittings

Female Connector





Part number	Description	Qty
U066LF	1/4 in. (3/8 in. OD) x 1/2 in. FNPT	6
U070LF	3/8 in. (1/2 in. OD) x 1/2 in. FNPT	6
U072LF	1/2 in. x 1/2 in. FNPT	12
U068LF	1/2 in. x 3/4 in. FNPT	6
U092LF	3/4 in. x 1/2 in. FNPT Bullnose	6
U088LF	3/4 in. x 3/4 in. FNPT	6
U094LF	lin.xlin.FNPT	6
UXL113532F	1-1/4 in. x 1-1/4 in. FNPT *	1
UXL114140F	1-1/2 in. x 1-1/2 in. FNPT *	1
UXL115450F	2 in. x 2 in. FNPT *	1

 $[\]ast$ For PEX applications, stiffeners are sold separately.

Male Connector





Part number	Description	Qty
U110LF	1/4 in. x 1/2 in. MNPT	6
U118LF	3/8 in. (1/2 in. OD) x 1/2 in. MNPT	6
U120LF	1/2 in. x 1/2 in. MNPT	12
U116LF	1/2 in. x 3/4 in. MNPT	6
U138LF	3/4 in. x 1/2 in. MNPT Bullnose	12
U134LF	3/4 in. x 3/4 in. MNPT	12
U139LF	3/4 in. x1 in. MNPT	6
U142LF	1 in. x 3/4 in. MNPT	6
U140LF	1 in. x1 in. MNPT	6
UXL113532M	1-1/4 in. x 1-1/4 in. MNPT *	1
UXL114140M	1-1/2 in. x 1-1/2 in. MNPT *	1
UXL115450M	2 in. x 2 in. MNPT *	1

 $[\]ast$ For PEX applications, stiffeners are sold separately.

Slip Male Connector



Part number	Description	Qty
U3120LF	1/2 in. x 1/2 in. MNPT	6
U3134LF	3/4 in. x 3/4 in. MNPT	6
U3140LF	1 in. x1 in. MNPT	6

Threaded Adapter



Part number	Description	Qty
U766LF	3/4 in. CTS x 3/4 in. FNPT (CTS end inserts into any 3/4 in. SB fitting)	6
U772LF	lin. CTS x lin. FNPT (CTS end inserts into any lin. SB fitting)	6



90° Elbow





Part number	Description	Qty
U244LF	1/4 in. (3/8 in. OD) x 1/4 in. (3/8 in. OD)	6
U246LF	3/8 in. (1/2 in. OD) x 3/8 in. (1/2 in. OD)	6
U248LF	1/2 in. x 1/2 in.	12
U256LF	3/4 in. x 3/4 in.	6
U260LF	lin.xlin.	6
UXL0235	1-1/4 in. x 1-1/4 in. *	1
UXL0241	1-1/2 in. x 1-1/2 in. *	1
UXL0254	2 in. x 2 in. *	1

 $[\]boldsymbol{\ast}$ For PEX applications, stiffeners are sold separately.

90° Elbow with Drain/Vent



Part number	Description	Qty
U5248LF	1/2 in. x 1/2 in. x 1/8 in. NPSM Drain Thread	6
U5256LF	3/4 in. x 3/4 in. x 1/8 in. NPSM Drain Thread	6
U5260LF	lin.xlin.x1/8in.NPSM Drain Thread	3
24377	1/8 in. NPSM Replacement Drain Cap	1

90° Street Elbow



Part number	Description	Qty
UXL0935	1-1/4 in. x 1-1/4 in. *	1
UXL0941	1-1/2 in. x 1-1/2 in. *	1
UXL0954	2 in. x 2 in. *	1

 $[\]boldsymbol{*}$ For PEX applications, stiffeners are sold separately.

45° Elbow



Part number	Description	Qty
U648LF	1/2 in. x 1/2 in.	12
U656LF	3/4 in. x 3/4 in.	6
U660LF	1 in. x 1 in.	12
UXL0535	1-1/4 in. x 1-1/4 in. *	1
UXL0541	1-1/2 in. x 1-1/2 in. *	1
UXL0554	2 in. x 2 in. *	1

^{*} For PEX applications, stiffeners are sold separately.

45° Street Elbow



Part number	Description	Qty
U615LF	1/2 in. x $1/2$ in. CTS Tail Adapter (CTS end inserts into any $1/2$ in. SB fitting)	6
U620LF	3/4 in. x 3/4 in. CTS Tail Adapter (CTS end inserts into any 3/4 in. SB fitting)	6
UXL0735	1-1/4 in. x 1-1/4 in. *	1
UXL0741	1-1/2 in. x 1-1/2 in. *	1
UXL0754	2 in. x 2 in. *	1

 $[\]boldsymbol{\ast}$ For PEX applications, stiffeners are sold separately.

Rough Plumbing Fittings

Female Elbow



Part number	Description	Qty
U308LF	1/2 in. x 1/2 in. FNPT	6
U314LF	3/4 in. x 3/4 in. FNPT	3

Male Elbow



Part number	Description	Qty
U280LF	1/2 in. x 1/2 in. MNPT	6
U286LF	3/4 in. x 3/4 in. MNPT	6

Reducing Elbow



Part number	Description	Qty
U272LF	1/2 in. x 3/8 in. (1/2 in. OD)	12
U274LF	3/4 in. x 1/2 in.	6
U278LF	1 in. x 3/4 in.	3

Drop-Ear Elbow



Part number	Description	Qty
U332LF	3/8 in. (1/2 in. OD) x 1/2 in. FNPT	6
U249LF	1/2 in. x 1/2 in.	12
U334LF	1/2 in. x 1/2 in. FNPT	6
U340LF	3/4 in. x 3/4 in. FNPT	6

Hy-Ear Elbow



Part number	Description	Qty
U335LF	1/2 in. x 1/2 in. Hy-Ear	6

Shower Test Plug



Part number	Description	Qty
25828	1/2 in. MNPT	1

Dishwasher Elbow





Part number	Description	Qty
U276LF	1/4 in. (3/8 in. OD) x3/8 in. MNPT	6
U2276LF	1/4 in. (3/8 in. OD) x 3/4 in. Garden Hose Nut	6
U281LF	1/2 in. x 3/8 in. MNPT	6



Tee



Part number	Description	Qty
U358LF	1/4 in. (3/8 in. OD) x 1/4 in. (3/8 in. OD) x 1/4 in. (3/8 in. OD)	6
U360LF	3/8 in. (1/2 in. OD) x 3/8 in. (1/2 in. OD) x 3/8 in. (1/2 in. OD)	6
U362LF	1/2 in. x 1/2 in. x 1/2 in.	12
U370LF	3/4 in. x 3/4 in. x 3/4 in.	6
U374LF	1 in. x 1 in. x 1 in.	3
UXL0835	1-1/4 in. x 1-1/4 in. x 1-1/4 in. *	1
UXL0841	1-1/2 in. x 1-1/2 in. x 1-1/2 in. *	1
UXL0854	2 in. x 2 in. x 2 in.*	1

 $[*]For \, PEX \, applications, stiffeners \, are \, sold \, separately.$

Reducing Tee





U364LF 3/8 in. (I/2 in. xO)x 3/8 in. (I/2 in. xOD) x1/2 in. 6 U359LF 1/2 in. x1/2 in. x3/8 in. (I/2 in. xOD) 6 U364LF 3/4 in. x1/2 in. x3/8 in. (I/2 in. xOD) 6 U454LF 3/4 in. x1/2 in. x1/2 in. 6 U44LF 3/4 in. x1/2 in. x3/4 in. 6 U44LF 3/4 in. x1/2 in. x1/4 in. 1 UXL08351635 1-1/4 in. x1/2 in. x1/4 in.* 1 UXL08352216 1-1/4 in. x1/2 in. x1/4 in.* 1 UXL08352220 1-1/4 in. x1/2 in. x3/4 in. x3/4 in. x3/4 in. 1 UXL083522216 1-1/4 in. x3/4 in	Part number	Description	Qty
U363LF 1/2 in. x 1/2 in. x 3/8 in. (1/2 in. OD) 6 U45LF 3/4 in. x 1/2 in. x 1/2 in. 6 U41ZLF 3/4 in. x 3/4 in. x 1/2 in. 6 U44LF 3/4 in. x 1/2 in. x 3/4 in. 3 U44LF 1 in. x 1/2 in. x 3/4 in. 3 UXL08351635 1-1/4 in. x 3/4 in. x 1/2 in.* 1 UXL08352220 1-1/4 in. x 3/4 in. x 1/2 in.* 1 UXL08352221 1-1/4 in. x 3/4 in. x 1/4 in.* 1 UXL08352222 1-1/4 in. x 3/4 in. x 1/4 in.* 1 UXL08352230 1-1/4 in. x 3/4 in. x 1/4 in.* 1 UXL08352323 1-1/4 in. x 1/4 in.x 1/4 in.* 1 UXL08352328 1-1/4 in. x 1/4 in.x 1/4 in.* 1 UXL08352821 1-1/4 in. x 1/4 in.x 1/4 in.* 1 UXL08352822 1-1/4 in. x 1/4 in.x 1/4 in.x 1/4 in. 1 UXL083525281 1-1/4 in. x 1/4 in.x 1/4 in.x 1/4 in. 1 UXL08432822 1-1/2 in. x 1/4 in.x 1/4 in.x 1/4 in. 1 UXL0844282 1-1/2 in. x 1/4 in.x 1/4 in. 1 UXL08442828 1-1/2 in. x 1/4 in.x 1/4 in. 1	U364LF	3/8 in. (1/2 in. OD) x 3/8 in. (1/2 in. OD) x 1/2 in.	6
U454LF 3/4 in. x 1/2 in. x 1/2 in. 6 U412LF 3/4 in. x 1/2 in. x 1/2 in. 6 U444LF 3/4 in. x 1/2 in. x 1/4 in. 6 U416LF 1 in. x 1in. x 3/4 in. 3 UXL0835525 1-1/4 in. x 1/2 in. x 1-1/4 in.* 1 UXL08352216 1-1/4 in. x 3/4 in. x 1/2 in.* 1 UXL08352222 1-1/4 in. x 3/4 in. x 1/4 in.* 1 UXL08352235 1-1/4 in. x 3/4 in. x 1/4 in.* 1 UXL08352281 1-1/4 in. x 1/4 in.x 1/2 in.* 1 UXL08352282 1-1/4 in. x 1/1/2 in.* 1 UXL08352828 1-1/4 in. x 1/1/2 in.* 1 UXL08352525 1-1/4 in. x 1/1/2 in.* 1 UXL08352820 1-1/4 in. x 1/1/2 in.* 1 UXL08352821 1-1/4 in. x 1/1/2 in.* 1 UXL08352821 1-1/4 in. x 1/1/2 in. x 1/2 1 UXL08432821 1-1/2 in. x 1/1/2 in. x 1/2 1 UXL08448222 1-1/2 in. x 1/1/2 in. x 1/2 1 UXL0844822 1-1/2 in. x 1/1/2 in. x 1/2 1 UXL0844835 1-1/2 in. x 1/1	U359LF	1/2 in. x 1/2 in. x 1/4 in. (3/8 in. OD)	6
U412LF 3/4 in, x 3/4 in, x 1/2 in, x 3/4 in. 6 U44LF 3/4 in, x 1/2 in, x 3/4 in. 3 U416LF 1 in, x 1 in, x 3/4 in. 3 UXL0835635 1-1/4 in, x 1/2 in, x 1-1/4 in.* 1 UXL0835226 1-1/4 in, x 3/4 in, x 1/2 in.* 1 UXL0835227 1-1/4 in, x 3/4 in, x 1-1/4 in.* 1 UXL0835228 1-1/4 in, x 3/4 in, x 1-1/4 in.* 1 UXL08352285 1-1/4 in, x 3/4 in, x 1-1/4 in.* 1 UXL08352816 1-1/4 in, x 1/1/2 in.* 1 UXL08352828 1-1/4 in, x 1/1/2 in.* 1 UXL08352828 1-1/4 in, x 1-1/4 in, x 1/1/2 in.* 1 UXL08352820 1-1/4 in, x 1-1/4 in, x 1/1/2 in.* 1 UXL08352820 1-1/4 in, x 1-1/4 in, x 1/1/2 in.* 1 UXL08352820 1-1/4 in, x 1-1/4 in, x 1/1/2 in.* 1 UXL08352820 1-1/4 in, x 1-1/4 in, x 1/1/2 in.* 1 UXL08432821 1-1/2 in, x 1-1/4 in, x 1/1/2 in.* 1 UXL08432822 1-1/2 in, x 1/1/2 in.* 1 UXL0844922 1-1/2 in, x 1/1/4 in.* 1 <td>U363LF</td> <td>1/2 in. x 1/2 in. x 3/8 in. (1/2 in. OD)</td> <td>6</td>	U363LF	1/2 in. x 1/2 in. x 3/8 in. (1/2 in. OD)	6
U444LF 3/4 in.x 1/z in.x 3/4 in. 3 U416LF 1in.x 1 in.x 3/4 in. 3 UXL08351635 1-1/4 in.x 3/4 in.x 1/2 in.* 1 UXL08352216 1-1/4 in.x 3/4 in.x 1/2 in.* 1 UXL08352216 1-1/4 in.x 3/4 in.x 1/1 in.* 1 UXL08352228 1-1/4 in.x 3/4 in.x 1/1 in.* 1 UXL08352235 1-1/4 in.x 1/1 in.x 1/2 in.* 1 UXL08352816 1-1/4 in.x 1/1 in.x 1/2 in.* 1 UXL08352828 1-1/4 in.x 1/1 in.x 1/2 in.* 1 UXL08352828 1-1/4 in.x 1/1 in.x 1/2 in.* 1 UXL08352828 1-1/4 in.x 1/2 in.x 1/2 in.* 1 UXL08353528 1-1/4 in.x 1-1/4 in.x 1/2 in.* 1 UXL08353528 1-1/4 in.x 1-1/4 in.x 1/2 in.* 1 UXL0843532 1-1/2 in.x 1-1/2 in.x 3/4 in.* 1 UXL0841422 1-1/2 in.x 1/2 in.x 3/4 in.* 1 UXL0841422 1-1/2 in.x 1/2 in.x 1/4 in.x 1/4 in. 1 UXL08414322 1-1/2 in.x 1/4 in.x 1/4 in. 1 UXL08414323 1-1/2 in.x 1/4 in.x 1/4 in. 1 U	U454LF	3/4 in. x 1/2 in. x 1/2 in.	6
UXLO8351635 1-1/4 in. x 1/2 in. x 1-1/4 in.* 1 UXLO8352163 1-1/4 in. x 2/4 in. x 1/2 in.* 1 UXLO8352216 1-1/4 in. x 3/4 in. x 1/2 in.* 1 UXLO8352222 1-1/4 in. x 3/4 in. x 1/2 in.* 1 UXLO8352228 1-1/4 in. x 3/4 in.x 1/2 in.* 1 UXLO8352281 1-1/4 in. x 1/2 in.* 1 UXLO8352816 1-1/4 in. x 1/1.x x 1/2 in.* 1 UXLO8352828 1-1/4 in. x 1/1.x x 1/2 in.* 1 UXLO8353516 1-1/4 in. x 1-1/4 in. x 1/2 in.* 1 UXLO83535282 1-1/4 in. x 1-1/4 in. x 1/2 in.* 1 UXLO8353516 1-1/4 in. x 1-1/4 in. x 3/4 in.* 1 UXLO83535282 1-1/4 in. x 1-1/4 in. x 3/4 in.* 1 UXLO8435352 1-1/4 in. x 1-1/4 in. x 3/4 in.* 1 UXLO8441282 1-1/2 in. x 1-1/2 in. x 3/4 in.* 1 UXLO8412834 1-1/2 in. x 1-1/2 in. x 1/2 in.* 1 UXLO8412836 1-1/2 in. x 1-1/2 in. x 1/2 in.* 1 UXLO8412836 1-1/2 in. x 1-1/2 in. x 1/2 in.* 1 UXLO8413535 1-1/2 in. x 1-1/2 in. x 1/2 in.*	U412LF	3/4 in. x 3/4 in. x 1/2 in.	6
UXL08351635 1-1/4 in. x 1/4 in. x 1/2 in. x 1-1/4 in. x 3/4 in. x 1/2 in. x 1-1/4 in. x 3/4 in. x 1/2 in. x 1-1/4 in. x 3/4 in. x 1/2 in. x 1-1/4 in. x 3/4 in. x 1/2 in. x 1-1/4 in. x 3/4 in. x 1/2 in. x 1-1/4 in. x 3/4 in. x 1/2 in. x 1-1/4 in. x 3/4 in. x 1/2 in. x 1-1/4 in. x 3/4 in. x 1/2 in. x 1-1/4 in. x 3/4 in. x 1/2 in. x 1-1/4 in. x 1-1/4 in. x 1-1/4 in. x 1/2 in. x 1-1/4	U444LF	3/4 in. x 1/2 in. x 3/4 in.	6
UXL08352216 1-I/4 in. x3/4 in. x1/4 in. x1/4 in. x3/4 in. x1/2 in. x1/4 in. x1/4 in. x1/2	U416LF	1 in. x 1 in. x 3/4 in.	3
UXL08352222 1-1/4 in. x 3/4 in. x 3 in.* 1 UXL08352238 1-1/4 in. x 3/4 in. x 1 in.* 1 UXL08352235 1-1/4 in. x 3/4 in. x 1 in./2 in.* 1 UXL08352236 1-1/4 in. x 1 in. x 1 in.x 1 in.* 1 UXL08352822 1-1/4 in. x 1 in. x 1 in.* 1 UXL08352828 1-1/4 in. x 1-1/4 in. x 1/2 in.* 1 UXL08353516 1-1/4 in. x 1-1/4 in. x 1/2 in.* 1 UXL08353522 1-1/4 in. x 1-1/4 in. x 1/2 in.* 1 UXL08353522 1-1/4 in. x 1-1/4 in. x 1/2 in.* 1 UXL08435352 1-1/4 in. x 1-1/4 in. x 1/2 in.* 1 UXL08444122 1-1/2 in. x 1-1/2 in. x 1/2 in.* 1 UXL0844222 1-1/2 in. x 1 in. x 1-1/2 in.* 1 UXL08443523 1-1/2 in. x 1 in. x 1-1/2 in.* 1 UXL08443524 1-1/2 in. x 1-1/4 in. x 1-1/4 in.* 1 UXL08443525 1-1/2 in. x 1-1/4 in. x 1-1/4 in.* 1 UXL0844416 1-1/2 in. x 1-1/4 in. x 1-1/4 in.* 1 UXL0844416 1-1/2 in. x 1-1/2 in. x 1-1/4 in.* 1 UXL0844353 2 in. x 1-1/2 in	UXL08351635	1-1/4 in. x 1/2 in. x 1-1/4 in. *	1
UXL08352228 1-1/4 in. x 3/4 in. x 1-1/4 in.* 1 UXL08352816 1-1/4 in. x 1/2 in.* 1 UXL08352816 1-1/4 in. x 1 in. x 1/2 in.* 1 UXL08352822 1-1/4 in. x 1 in. x 3/4 in.* 1 UXL08352828 1-1/4 in. x 1-1/4 in. x 1/2 in.* 1 UXL08353516 1-1/4 in. x 1-1/4 in. x 1/2 in.* 1 UXL08353522 1-1/4 in. x 1-1/4 in. x 3/4 in.* 1 UXL08353522 1-1/4 in. x 1-1/4 in. x 3/4 in.* 1 UXL08435328 1-1/2 in. x 1-1/4 in. x 3/4 in.* 1 UXL08414122 1-1/2 in. x 1-1/2 in. x 1-1/2 in. 1 UXL08412828 1-1/2 in. x 1-1/2 in. x 1-1/2 in. 1 UXL08412828 1-1/2 in. x 1-1/4 in. x 3/4 in.* 1 UXL08413525 1-1/2 in. x 1-1/4 in. x 3/4 in.* 1 UXL08413525 1-1/2 in. x 1-1/4 in. x 1-1/4 in.* 1 UXL08413535 1-1/2 in. x 1-1/2 in. x 1-1/4 in.* 1 UXL0841353 1-1/2 in. x 1-1/2 in. x 1-1/4 in.* 1 UXL08543535 2 in. x 1-1/2 in. x 1-1/4 in.* 1 UXL08543164 2 in. x 1-1/2 in. x	UXL08352216	1-1/4 in. x 3/4 in. x 1/2 in. *	1
UXL08352235 1-1/4 in. x 3/4 in. x 1-1/4 in.* 1 UXL08352816 1-1/4 in. x 1/1 in. x 3/4 in.* 1 UXL08352822 1-1/4 in. x 1/1 in. x 3/4 in.* 1 UXL08352828 1-1/4 in. x 1/2 in.* 1 UXL08353516 1-1/4 in. x 1-1/4 in. x 3/4 in.* 1 UXL08353522 1-1/4 in. x 1-1/4 in. x 3/4 in.* 1 UXL08353528 1-1/4 in. x 1-1/2 in. x 3/4 in.* 1 UXL08414122 1-1/2 in. x 1-1/2 in. x 3/4 in.* 1 UXL08412822 1-1/2 in. x 1 in. x 3/4 in.* 1 UXL08412828 1-1/2 in. x 1 in. x 3/4 in.* 1 UXL08412828 1-1/2 in. x 1 in. x 3/4 in.* 1 UXL08412828 1-1/2 in. x 1 in. x 3/4 in.* 1 UXL08413529 1-1/2 in. x 1-1/2 in. x 1 in. x 1. 1 UXL08413529 1-1/2 in. x 1-1/4 in. x 1. 1 UXL0841353 1-1/2 in. x 1-1/2 in. x 1-1/4 in.* 1 UXL0841416 1-1/2 in. x 1-1/2 in. x 1-1/4 in.* 1 UXL0854353 2 in. x 1-1/2 in. x 1-1/4 in.* 1 UXL08544122 2 in. x 1-1/2 in. x 1-1/4 in.*	UXL08352222	1-1/4 in. x 3/4 in. x 3/4 in. *	1
UXL08352816 1-1/4 in. x 1 in. x 1/2 in. * 1 UXL08352822 1-1/4 in. x 1 in. x 3/4 in. * 1 UXL08352828 1-1/4 in. x 1-1/4 in. x 1/2 in. * 1 UXL08353516 1-1/4 in. x 1-1/4 in. x 1/2 in. * 1 UXL08353522 1-1/4 in. x 1-1/4 in. x 3/4 in. * 1 UXL08353528 1-1/2 in. x 1-1/2 in. x 3/4 in. * 1 UXL08414122 1-1/2 in. x 1-1/2 in. x 3/4 in. * 1 UXL08412828 1-1/2 in. x 1 in. x 3/4 in. * 1 UXL08412828 1-1/2 in. x 1 in. x 1-1/2 in. * 1 UXL08412828 1-1/2 in. x 1 in. x 1-1/2 in. * 1 UXL08412828 1-1/2 in. x 1-1/2 in. * 1 UXL08412829 1-1/2 in. x 1-1/2 in. * 1 UXL08412820 1-1/2 in. x 1-1/2 in. * 1 UXL08412821 1-1/2 in. x 1-1/2 in. x 1-1/2 in. * 1 UXL08413522 1-1/2 in. x 1-1/2 in. x 1-1/2 in. * 1 UXL0841353 1-1/2 in. x 1-1	UXL08352228	1-1/4 in. x 3/4 in. x 1 in. *	1
UXL08352822 1-1/4 in.X 1 in. X 3/4 in.* 1 UXL08352828 1-1/4 in.X 1 in. X 1/2 in.* 1 UXL08353516 1-1/4 in.X 1-1/4 in. X 1/2 in.* 1 UXL08353522 1-1/4 in.X 1-1/4 in. X 3/4 in.* 1 UXL08414122 1-1/2 in.X 1-1/2 in. X 3/4 in.* 1 UXL08412822 1-1/2 in.X 1 in. X 3/4 in.* 1 UXL08412828 1-1/2 in.X 1 in. X 1 in.* 1 UXL08412828 1-1/2 in.X 1 in. X 1-1/2 in.* 1 UXL08412821 1-1/2 in.X 1 in. X 1 in.* 1 UXL08412828 1-1/2 in.X 1 in. X 1 in.* 1 UXL08413520 1-1/2 in.X 1-1/2 in. X 1 in.* 1 UXL08413523 1-1/2 in.X 1-1/2 in.X 1 in.* 1 UXL0841353 1-1/2 in.X 1-1/2 in.X 1 in.* 1 UXL0841416 1-1/2 in.X 1-1/2 in.X 1 in.* 1 UXL0844128 1-1/2 in.X 1-1/4 in. X 1 in.* 1 UXL08544128 2 in.X 1-1/2 in. X 1-1/4 in.* 1 UXL08544129 2 in. X 1-1/2 in. X 1 in.* 1 UXL08544129 2 in. X 1-1/2 in. X 1 in.* 1	UXL08352235	1-1/4 in. x 3/4 in. x 1-1/4 in. *	1
UXL08352828 1-1/4 in. x 1-1/4 in. x 1-1/4 in. x 1/2 in. * 1 UXL08353516 1-1/4 in. x 1-1/4 in. x 1/4 in. x	UXL08352816	1-1/4 in. x 1 in. x 1/2 in. *	1
UXL08353516 1-1/4 in.x1-1/4 in.x1/2 in.* 1 UXL08353522 1-1/4 in.x1-1/4 in.x3/4 in.* 1 UXL08353528 1-1/4 in.x1-1/4 in.x1 in.* 1 UXL08414122 1-1/2 in.x1-1/2 in.x3/4 in.* 1 UXL08412822 1-1/2 in.x1 in.x3/4 in.* 1 UXL08412828 1-1/2 in.x1 in.x1-1/2 in.* 1 UXL08412829 1-1/2 in.x1 in.x1-1/2 in.* 1 UXL08412821 1-1/2 in.x1 in.x1-1/2 in.* 1 UXL08413522 1-1/2 in.x1-1/4 in.x3/4 in.* 1 UXL08413528 1-1/2 in.x1-1/4 in.x1-1/4 in.* 1 UXL08413535 1-1/2 in.x1-1/2 in.x1-1/4 in.* 1 UXL0841353 1-1/2 in.x1-1/2 in.x1-1/4 in.* 1 UXL08414135 1-1/2 in.x1-1/2 in.x1-1/4 in.* 1 UXL08544128 2 in.x1-1/2 in.x3/4 in.* 1 UXL08544135 2 in.x1-1/2 in.x1-1/2 in.* 1 UXL08544141 2 in.x1-1/2 in.x1-1/2 in.* 1 UXL085454154 2 in.x1-1/2 in.x1-1/2 in.* 1 UXL085454164 2 in.x2 in.x2 in.x2 in.* 1 UXL085	UXL08352822	1-1/4 in. x 1 in. x 3/4 in. *	1
UXL08353522 1-1/4 in. x 1-1/4 in. x 3/4 in. * 1 UXL08353528 1-1/4 in. x 1-1/4 in. x 1 in. * 1 UXL08414122 1-1/2 in. x 1-1/2 in. x 3/4 in. * 1 UXL08412822 1-1/2 in. x 1 in. x 3/4 in. * 1 UXL08412828 1-1/2 in. x 1 in. x 1 in. * 1 UXL08412828 1-1/2 in. x 1-1/2 in. * 1 UXL08412829 1-1/2 in. x 1-1/4 in. x 3/4 in. * 1 UXL08412829 1-1/2 in. x 1-1/4 in. x 3/4 in. * 1 UXL08413529 1-1/2 in. x 1-1/4 in. x 1-1/4 in. * 1 UXL08413535 1-1/2 in. x 1-1/2 in. x 1-1/4 in. * 1 UXL08414128 1-1/2 in. x 1-1/2 in. x 1-1/4 in. * 1 UXL08543535 2 in. x 1-1/2 in. x 1-1/4 in. * 1 UXL08544128 2 in. x 1-1/2 in. x 1-1/4 in. * 1 UXL08544128 2 in. x 1-1/2 in. x 1-1/4 in. * 1 UXL08544141 2 in. x 1-1/2 in. x 1-1/2 in. * 1 UXL08544154 2 in. x 1-1/2 in. x 1-1/2 in. * 1 UXL08545416 2 in. x 1-1/2 in. x 1-1/2 in. * 1 UXL08545422 2 in. x 2 in. x	UXL08352828	1-1/4 in. x 1 in. x 1 in. *	1
UXL08353528 1-l/4 in.x1-l/4 in.x3 in.* 1 UXL08414122 1-l/2 in.x1-l/2 in.x3/4 in.* 1 UXL08412822 1-l/2 in.x1 in.x3/4 in.* 1 UXL08412828 1-l/2 in.x1 in.x1 in.* 1 UXL08412841 1-l/2 in.x1-in.x1-in.x1-in.* 1 UXL08413522 1-l/2 in.x1-l/4 in.x3/4 in.* 1 UXL08413528 1-l/2 in.x1-l/4 in.x1-in.* 1 UXL08413535 1-l/2 in.x1-l/4 in.x1-l/4 in.* 1 UXL0841416 1-l/2 in.x1-l/2 in.x1-l/2 in.* 1 UXL0841418 1-l/2 in.x1-l/2 in.x1-l/4 in.* 1 UXL08414185 1-l/2 in.x1-l/2 in.x1-l/4 in.* 1 UXL08544122 2 in.x1-l/2 in.x1-l/4 in.* 1 UXL08544128 2 in.x1-l/2 in.x1-l/4 in.* 1 UXL08544128 2 in.x1-l/2 in.x1-l/4 in.* 1 UXL08544141 2 in.x1-l/2 in.x1-l/4 in.* 1 UXL08544154 2 in.x1-l/2 in.x1-l/2 in.* 1 UXL08545416 2 in.x2 in.x2 in.* 1 UXL08545428 2 in.x2 in.x3/4 in.* 1 UXL08545428	UXL08353516	1-1/4 in. x 1-1/4 in. x 1/2 in. *	1
UXLO8414122 1-I-V2 in. x 1-I/2 in. x 3/4 in.* 1 UXLO8412822 1-I-V2 in. x 1 in. x 3/4 in.* 1 UXLO8412828 1-I-V2 in. x 1 in. x 1-I/2 in.* 1 UXLO8412841 1-I-V2 in. x 1-I/2 in. x 1-I/2 in.* 1 UXLO8413522 1-I-V2 in. x 1-I/4 in. x 3/4 in.* 1 UXLO8413528 1-I-V2 in. x 1-I/4 in. x 1-I/4 in.* 1 UXLO8413535 1-I-V2 in. x 1-I/4 in. x 1-I/4 in.* 1 UXLO8414116 1-I-V2 in. x 1-I/2 in. x 1/2 in.* 1 UXLO8414128 1-I-V2 in. x 1-I/2 in. x 1-I/4 in.* 1 UXLO8543535 2 in. x 1-I/4 in. x 1-I/4 in.* 1 UXLO8543535 2 in. x 1-I/4 in. x 1-I/4 in.* 1 UXLO8544128 2 in. x 1-I/2 in. x 3/4 in.* 1 UXLO8544129 2 in. x 1-I/2 in. x 1 in.* 1 UXLO8544131 2 in. x 1-I/2 in. x 1-I/2 in.* 1 UXLO8544154 2 in. x 1-I/2 in. x 2 in.* 1 UXLO8545416 2 in. x 2 in. x 1/2 in.* 1 UXLO8545422 2 in. x 2 in. x 3/4 in.* 1 UXLO8545428 2 in. x 2 in. x 1/2 in.* 1 UXLO8545435 2 in. x 2 in. x 1/2 in.*<	UXL08353522	1-1/4 in. x 1-1/4 in. x 3/4 in. *	1
UXL08412822 1-1/2 in.x 1 in.x 3/4 in.* 1 UXL08412828 1-1/2 in.x 1 in.x 1 in.x 1 in.* 1 UXL084128241 1-1/2 in.x 1 in.x 1-1/2 in.* 1 UXL08413522 1-1/2 in.x 1-1/4 in.x 3/4 in.* 1 UXL08413528 1-1/2 in.x 1-1/4 in.x 1 in.* 1 UXL08413535 1-1/2 in.x 1-1/4 in.x 1-1/4 in.* 1 UXL08414116 1-1/2 in.x 1-1/2 in.x 1-1/4 in.* 1 UXL08414128 1-1/2 in.x 1-1/2 in.x 1-1/4 in.* 1 UXL08414135 1-1/2 in.x 1-1/4 in. x 1-1/4 in.* 1 UXL08543535 2 in.x 1-1/2 in.x 1-1/4 in.* 1 UXL08544122 2 in.x 1-1/2 in.x 3/4 in.* 1 UXL08544128 2 in.x 1-1/2 in.x 3/4 in.* 1 UXL08544135 2 in.x 1-1/2 in.x 1-1/4 in.* 1 UXL08544141 2 in.x 1-1/2 in.x 1-1/4 in.* 1 UXL08544154 2 in.x 1-1/2 in.x 1-1/2 in.* 1 UXL08545416 2 in.x 1-1/2 in.x 1-1/2 in.* 1 UXL08545422 2 in.x 2 in.x 3/4 in.* 1 UXL08545428 2 in.x 2 in.x 3/4 in.* 1 UXL08545435 2 in.x 2 in.x 1/2 in.* 1	UXL08353528	1-1/4 in. x 1-1/4 in. x 1 in. *	1
UXL08412828 1-1/2 in.x1 in.x1 in.x 1 in.x 1 1 UXL08412841 1-1/2 in.x1-iv.x1-iv.x 1-iv.x 1 1 UXL0843522 1-1/2 in.x1-iv.x 1-iv.x 1 1 UXL0843528 1-1/2 in.x1-iv.x in.x 1 1 UXL0843535 1-1/2 in.x1-iv.x in.x 1 1 UXL0844116 1-1/2 in.x1-iv.x in.x 1-iv.x in.x 1 1 UXL0844128 1-1/2 in.x1-iv.x in.x 1 1 UXL08444135 1-1/2 in.x 1-iv.x in.x 1-iv.x in.x 1 1 UXL08543535 2 in.x 1-iv.x in.x 1-iv.x in.x 1 1 UXL08544122 2 in.x 1-iv.x in.x x x in.x x	UXL08414122	1-1/2 in. x 1-1/2 in. x 3/4 in. *	1
UXL08412841 1-1/2 in. x1 in. x1-1/2 in.* 1 UXL08413522 1-1/2 in. x1-1/4 in. x3/4 in.* 1 UXL08413528 1-1/2 in. x1-1/4 in. x1 in.* 1 UXL08413535 1-1/2 in. x1-1/4 in. x1-1/4 in.* 1 UXL08414116 1-1/2 in. x1-1/2 in. x1/2 in.* 1 UXL08414128 1-1/2 in. x1-1/2 in. x1-1/4 in.* 1 UXL08541355 2 in. x1-1/2 in. x1-1/4 in.* 1 UXL08543535 2 in. x1-1/2 in. x1-1/4 in.* 1 UXL08544122 2 in. x1-1/2 in. x3/4 in.* 1 UXL08544128 2 in. x1-1/2 in. x1 in.* 1 UXL08544135 2 in. x1-1/2 in. x1-1/4 in.* 1 UXL08544135 2 in. x1-1/2 in. x1 in.* 1 UXL08544135 2 in. x1-1/2 in. x1 in.* 1 UXL08544141 2 in. x1-1/2 in. x1-1/2 in.* 1 UXL08545416 2 in. x2 in. x1/2 in.* 1 UXL08545416 2 in. x2 in. x3/4 in.* 1 UXL08545428 2 in. x2 in. x1/4 in.* 1 UXL08545435 2 in. x2 in. x1-1/4 in.* 1	UXL08412822	1-1/2 in. x 1 in. x 3/4 in. *	1
UXL08413522 1-1/2 in. x1-1/4 in. x 3/4 in.* 1 UXL08413528 1-1/2 in. x1-1/4 in. x 1-1/4 in.* 1 UXL08413535 1-1/2 in. x1-1/4 in. x 1-1/4 in.* 1 UXL08414116 1-1/2 in. x1-1/2 in. x1/2 in. x 1-1/2 in. 1 UXL08414128 1-1/2 in. x1-1/2 in. x1-1/4 in.* 1 UXL08541355 2 in. x1-1/2 in. x1-1/4 in.* 1 UXL08544122 2 in. x1-1/2 in. x1-1/4 in.* 1 UXL08544128 2 in. x1-1/2 in. x3/4 in.* 1 UXL08544135 2 in. x1-1/2 in. x1 in.* 1 UXL08544128 2 in. x1-1/2 in. x1 in.* 1 UXL08544135 2 in. x1-1/2 in. x1 in.* 1 UXL08544141 2 in. x1-1/2 in. x1-1/2 in.* 1 UXL08545416 2 in. x2 in. x1/2 in.* 1 UXL08545416 2 in. x2 in. x3/4 in.* 1 UXL08545422 2 in. x2 in. x3/4 in.* 1 UXL08545428 2 in. x2 in. x1/1.4 in.* 1 UXL08545435 2 in. x2 in. x1/1.4 in.* 1	UXL08412828	1-1/2 in. x 1 in. x 1 in. *	1
UXL08413528 1-1/2 in. x 1-1/4 in. x 1 in.* 1 UXL08413535 1-1/2 in. x 1-1/4 in. x 1-1/4 in.* 1 UXL08414116 1-1/2 in. x 1-1/2 in. x 1/2 in. x 1 1 UXL08414128 1-1/2 in. x 1-1/2 in. x 1-1/4 in.* 1 UXL08414135 1-1/2 in. x 1-1/2 in. x 1-1/4 in.* 1 UXL08543535 2 in. x 1-1/2 in. x 1-1/4 in.* 1 UXL08544122 2 in. x 1-1/2 in. x 3/4 in.* 1 UXL08544135 2 in. x 1-1/2 in. x 1 in.* 1 UXL08544136 2 in. x 1-1/2 in. x 1-1/4 in.* 1 UXL08544141 2 in. x 1-1/2 in. x 1-1/2 in.* 1 UXL08544154 2 in. x 1-1/2 in. x 2 in.* 1 UXL08545416 2 in. x 2 in. x 1/2 in.* 1 UXL08545422 2 in. x 2 in. x 3/4 in.* 1 UXL08545428 2 in. x 2 in. x 3/4 in.* 1 UXL08545428 2 in. x 2 in. x 1/1.4 in.* 1 UXL08545435 2 in. x 2 in. x 1/1.4 in.* 1	UXL08412841	1-1/2 in. x 1 in. x 1-1/2 in. *	1
UXL08413535 1-1/2 in. x 1-1/4 in	UXL08413522	1-1/2 in. x 1-1/4 in. x 3/4 in. *	1
UXL084i4i16 1-i/2 in, x 1-i/2 in, x 1-i/2 in. x 1 in.* 1 UXL084i4i28 1-i/2 in, x 1-i/2 in, x 1 in.* 1 UXL084i4i35 1-i/2 in, x 1-i/4 in. x 1-i/4 in.* 1 UXL08543535 2 in, x 1-i/4 in, x 1-i/4 in.* 1 UXL08544i22 2 in, x 1-i/2 in, x 3/4 in.* 1 UXL08544i28 2 in, x 1-i/2 in, x 1-i/4 in.* 1 UXL08544i35 2 in, x 1-i/2 in, x 1-i/4 in.* 1 UXL08544i41 2 in, x 1-i/2 in, x 1-i/2 in.* 1 UXL08544i54 2 in, x 1-i/2 in, x 2 in.* 1 UXL085454i6 2 in, x 2 in, x 1/2 in.* 1 UXL08545422 2 in, x 2 in, x 3/4 in.* 1 UXL08545428 2 in, x 2 in, x 1/1. 1 UXL08545435 2 in, x 2 in, x 1/1. 1	UXL08413528	1-1/2 in. x 1-1/4 in. x 1 in. *	1
UXL08414128 1-1/2 in. x 1-1/2 in. x 1-1/4 in.* 1 UXL08414135 1-1/2 in. x 1-1/4 in. x 1-1/4 in.* 1 UXL08543535 2 in. x 1-1/4 in. x 1-1/4 in.* 1 UXL08544122 2 in. x 1-1/2 in. x 3/4 in.* 1 UXL08544128 2 in. x 1-1/2 in. x 1 in.* 1 UXL08544135 2 in. x 1-1/2 in. x 1-1/4 in.* 1 UXL08544141 2 in. x 1-1/2 in. x 1-1/2 in.* 1 UXL08544154 2 in. x 1-1/2 in. x 2 in. x 1 1 UXL08545416 2 in. x 2 in. x 1/2 in.* 1 UXL08545422 2 in. x 2 in. x 3/4 in.* 1 UXL08545428 2 in. x 2 in. x 1/1.4 in.* 1 UXL08545435 2 in. x 2 in. x 1/1.4 in.* 1	UXL08413535	1-1/2 in. x 1-1/4 in. x 1-1/4 in. *	1
UXL08414135 1-1/2 in, x 1-1/4 in.* 1 UXL08543535 2 in, x 1-1/4 in, x 1-1/4 in.* 1 UXL08544122 2 in, x 1-1/2 in, x 3/4 in.* 1 UXL08544128 2 in, x 1-1/2 in, x 1 in.* 1 UXL08544135 2 in, x 1-1/2 in, x 1-1/4 in.* 1 UXL08544141 2 in, x 1-1/2 in, x 1-1/2 in.* 1 UXL08544154 2 in, x 1-1/2 in, x 2 in.* 1 UXL08545416 2 in, x 2 in, x 1/2 in.* 1 UXL08545422 2 in, x 2 in, x 3/4 in.* 1 UXL08545428 2 in, x 2 in, x 1/1.* 1 UXL08545435 2 in, x 2 in, x 1-1/4 in.* 1	UXL08414116	1-1/2 in. x 1-1/2 in. x 1/2 in. *	1
UXL08543535 2 in. x 1-1/4 in. x 1-1/4 in. * 1 UXL08544122 2 in. x 1-1/2 in. x 3/4 in. * 1 UXL08544128 2 in. x 1-1/2 in. x 1 in. * 1 UXL08544135 2 in. x 1-1/2 in. x 1-1/4 in. * 1 UXL08544141 2 in. x 1-1/2 in. x 1-1/2 in. * 1 UXL08544154 2 in. x 1-1/2 in. x 2 in. * 1 UXL08545416 2 in. x 2 in. x 1/2 in. * 1 UXL08545422 2 in. x 2 in. x 3/4 in. * 1 UXL08545428 2 in. x 2 in. x 1 in. * 1 UXL08545435 2 in. x 2 in. x 1-1/4 in. * 1	UXL08414128	1-1/2 in. x 1-1/2 in. X 1 in. *	1
UXL08544122 2 in. x 1-1/2 in. x 3/4 in.* 1 UXL08544128 2 in. x 1-1/2 in. x 1 in.* 1 UXL08544135 2 in. x 1-1/2 in. x 1-1/4 in.* 1 UXL08544141 2 in. x 1-1/2 in. x 1-1/2 in.* 1 UXL08544154 2 in. x 1-1/2 in. x 2 in.* 1 UXL08545416 2 in. x 2 in. x 1/2 in.* 1 UXL08545422 2 in. x 2 in. x 3/4 in.* 1 UXL08545428 2 in. x 2 in. x 1 in.* 1 UXL08545435 2 in. x 2 in. x 1-1/4 in.* 1	UXL08414135	1-1/2 in. x 1-1/2 in. x 1-1/4 in. *	1
UXL08544128 2 in. x 1-1/2 in. x 1 in. * 1 UXL08544135 2 in. x 1-1/2 in. x 1-1/4 in. * 1 UXL08544141 2 in. x 1-1/2 in. x 1-1/2 in. * 1 UXL08544154 2 in. x 1-1/2 in. x 2 in. * 1 UXL08545416 2 in. x 2 in. x 1/2 in. * 1 UXL08545422 2 in. x 2 in. x 3/4 in. * 1 UXL08545428 2 in. x 2 in. x 1 in. * 1 UXL08545435 2 in. x 2 in. x 1-1/4 in. * 1	UXL08543535	2 in. x 1-1/4 in. x 1-1/4 in. *	1
UXL08544135 2 in. x 1-1/2 in. x 1-1/4 in.* 1 UXL08544141 2 in. x 1-1/2 in. x 1-1/2 in.* 1 UXL08544154 2 in. x 1-1/2 in. x 2 in.* 1 UXL08545416 2 in. x 2 in. x 1/2 in.* 1 UXL08545422 2 in. x 2 in. x 3/4 in.* 1 UXL08545428 2 in. x 2 in. x 1 in.* 1 UXL08545435 2 in. x 2 in. x 1-1/4 in.* 1	UXL08544122	2 in. x 1-1/2 in. x 3/4 in. *	1
UXL08544141 2 in.x 1-1/2 in.x 1-1/2 in.* 1 UXL08544154 2 in.x 1-1/2 in.x 2 in.* 1 UXL08545416 2 in.x 2 in.x 1/2 in.* 1 UXL08545422 2 in.x 2 in.x 3/4 in.* 1 UXL08545428 2 in.x 2 in.x 1 in.* 1 UXL08545435 2 in.x 2 in.x 1-1/4 in.* 1	UXL08544128	2 in. x 1-1/2 in. x 1 in. *	1
UXL08544154 2 in.x 1-1/2 in.x 2 in.* 1 UXL08545416 2 in.x 2 in.x 1/2 in.* 1 UXL08545422 2 in.x 2 in.x 3/4 in.* 1 UXL08545428 2 in.x 2 in.x 1 in.* 1 UXL08545435 2 in.x 2 in.x 1-1/4 in.* 1	UXL08544135	2 in. x 1-1/2 in. x 1-1/4 in. *	1
UXL08545416 2 in. x 2 in. x 1/2 in.* 1 UXL08545422 2 in. x 2 in. x 3/4 in.* 1 UXL08545428 2 in. x 2 in. x 1 in. * 1 UXL08545435 2 in. x 2 in. x 1-1/4 in. * 1	UXL08544141	2 in. x 1-1/2 in. x 1-1/2 in. *	1
UXL08545422 2 in. x 2 in. x 3/4 in.* 1 UXL08545428 2 in. x 2 in. x 1 in.* 1 UXL08545435 2 in. x 2 in. x 1-1/4 in.* 1	UXL08544154	2 in. x 1-1/2 in. x 2 in. *	1
UXL08545428 2 in. x 2 in. x 1 in. * 1 UXL08545435 2 in. x 2 in. x 1-1/4 in. * 1	UXL08545416	2 in. x 2 in. x 1/2 in. *	1
UXL08545435 2 in. x 2 in. x 1-1/4 in. * 1	UXL08545422	2 in. x 2 in. x 3/4 in. *	1
	UXL08545428	2 in. x 2 in. x 1 in. *	1
UXL08545441 2 in. x 2 in. x 1-1/2 in.* 1	UXL08545435	2 in. x 2 in. x 1-1/4 in. *	1
	UXL08545441	2 in. x 2 in. x 1-1/2 in.*	1

 $[*]For \, \mathsf{PEX} \, \mathsf{applications}, \, \mathsf{stiffeners} \, \mathsf{are} \, \mathsf{sold} \, \mathsf{separately}.$

Rough Plumbing Fittings

Cross Tee



Part number	Description	Qty
U380LF	3/4 in. x 3/4 in. x 1/2 in. x 1/2 in.	3

Female Center Tee



Part number	Description	Qty
U462LF	3/4 in. x 3/4 in. x 3/4 in. (Utilizes a U766LF thread adapter)	3
U464LF	lin.xlin.xlin. (Utilizes a U772LF thread adapter)	3

Female Center Slip Tee (slip end only suitable for copper and CPVC)



Part number	Description	Qty
U3482LF	1/2 in. x 1/2 in. x 1/2 in. FNPT	3
U3486LF	3/4 in. x 3/4 in. x 3/4 in. FNPT	3

Slip Tee (slip end only suitable for copper and CPVC)



Part number	Description	Qty
U3362LF	1/2 in. x 1/2 in. x 1/2 in.	3
U3370LF	3/4 in. x 3/4 in. x 3/4 in.	3
UXL0335	1-1/4 in. x 1-1/4 in. *	1
UXL0341	1-1/2 in. x 1-1/2 in. *	1
UXL0354	2 in. x 2 in. *	1

 $[*]For \, PEX \, applications, stiffeners \, are \, sold \, separately.$

Service Slip Tee Adapter (slip end only suitable for copper and CPVC)



Part number	Description	Qty
U4482LF	1/2 in. $X 1/2$ in. $X 1/2$ in. CTS Tail Adapter Service Line Tee (CTS end inserts into any $1/2$ in. SB fitting)	6



End Cap





Part number	Description	Qty
U512LF	3/8 in. (1/2 in. OD)	6
U514LF	1/2 in.	12
U518LF	3/4 in.	6
U520LF	1 in.	6
UXL0435	1-1/4 in. *	1
UXL0441	1-1/2 in. *	1
UXL0454	2 in. *	1

 $[*]For \, PEX \, applications, stiffeners \, are \, sold \, separately.$

Fitting Reducer (use to connect to smaller pipe sizes)





Part number	Description *	Qty
U719LF	3/8 in. (1/2 in. OD) X 1/2 in. CTS (CTS end inserts into any 1/2 in. SB fitting)	6
U721LF	3/8 in. (1/2 in. OD) X $3/4$ in. CTS (CTS end inserts into any $3/4$ in. SB fitting)	6
U722LF	1/2 in. x 1 in. CTS (CTS end inserts into any 1 in. SB fitting)	6
U724LF	3/4 in. x 1 in. CTS (CTS end inserts into any 1 in. SB fitting)	6
UXL123516	1-1/4 in. x 1/2 in. *	1
UXL123522	1-1/4 in. x 3/4 in. *	1
UXL123528	1-1/4 in. x 1 in. *	1
UXL124116	1-1/2 in. x 1/2 in. *	1
UXL124122	1-1/2 in. x 3/4 in. *	1
UXL124128	1-1/2 in. x 1 in. *	1
UXL124135	1-1/2 in. x 1-1/4 in. *	1
UXL125416	2 in. x 1/2 in. *	1
UXL125422	2 in. x 3/4 in. *	1
UXL125428	2 in. x1 in. *	1
UXL125435	2 in. x 1-1/4 in. *	1
UXL125441	2 in. x 1-1/2 in. *	1

^{*}For PEX applications, stiffeners are sold separately.

Water Softener Fitting



Part number	Description	Qty
U086LF	3/4 in. x 1 in. FIP	12

Radiant Fittings

Radiant Fitting (non-potable water application)



Part number	Description	Qty
U012	5/8 in. x 5/8 in. Coupling	6
U057	3/4 in. x 5/8 in. Reducing Coupling	6
U126	5/8 in. x 3/4 in. MNPT Reducing Adapter	6
U252	5/8 in. x 5/8 in. Elbow	6
U273	3/4 in. x 5/8 in. Elbow	6
U366	5/8 in. x 5/8 in. x 5/8 in. Tee	6
U516	5/8 in. End Stop	6

PVC and Polybutylene Transition Fittings

Polybutylene Transition Coupling



Part number	Description	Qty
U4008LF	1/2 in. PB x 1/2 in. CTS	6
U4016LF	3/4 in. PB x 3/4 in. CTS	6

Polybutylene Transition Elbow



Part number	Description	Qty
U4248LF	1/2 in. PB x 1/2 in. CTS	6
U4256LF	3/4 in. PB x 3/4 in. CTS	6

PVC Transition Coupling



Part number	Description	Qty
UIP4008	1/2 in. CTS x 1/2 in. PVC	6
UIP4016	3/4 in. CTS x 3/4 in. PVC	6
UIP4020	lin.CTS x lin.PVC	3

PVC Transition Slip Tee



Part number	Description	Qty
UIP363	1/2 in. CTS x 1/2 in. CTS x 1/2 in. PVC	3
UIP364	1/2 in. PVC x 1/2 in. PVC x 1/2 in. CTS	3
UIP371	3/4 in. CTS x 3/4 in. CTS x 3/4 in. PVC	3
UIP372	3/4 in. PVC x 3/4 in. PVC x 3/4 in. CTS	3
UIP375	1 in. CTS x 1 in. CTS x 1 in. PVC	3
UIP376	1 in. PVC x1 in. PVC x1 in. CTS	3

PVC Slip Coupling



Part number	Description	Qty
UIP3008	1/2 in. PVC x 1/2 in. PVC	3
UIP3016	3/4 in. PVC x 3/4 in. PVC	3
UIP3020	lin. PVC x lin. PVC	2

PVC Male Connector



Part number	Description	Qty
UIP120	1/2 in. PVC x 1/2 in. MNPT	6
UIP134	3/4 in. PVC x 3/4 in. MNPT	6
UIP140	lin. PVC x lin. MNPT	3



PVC Cap



Part number	Description	Qty
UIP514	1/2 in.	12
UIP518	3/4 in.	12
UIP520	1 in.	12

PVC Depth Gauge and Disconnect Clip



Part number	Description	Qty
UIP710	1/2 in.	12
UIP712	3/4 in.	12
UIP714	1 in.	6

Flexible Water Heater & Softener Connectors

Used to connect water heaters to the hot and cold water lines. Ideal for working in tight spaces and connecting water heaters with existing pipes that may not line up.

Stainless Steel Braided Water Heater Connector



Part number	Description	Qty
U3068FLEX12LF	1/2 in. x 3/4 in. FIP, 12 in.	12
U3068FLEX15LF	1/2 in. x 3/4 in. FIP, 15 in.	12
U3068FLEX18LF	1/2 in. x 3/4 in. FIP, 18 in.	12
U3068FLEX24LF	1/2 in. x 3/4 in. FIP, 24 in.	12
U3088FLEX12LF	3/4 in. x 3/4 in. FIP, 12 in.	12
U3088FLEX15LF	3/4 in. x 3/4 in. FIP, 15 in.	12
U3088FLEX18LF	3/4 in. x 3/4 in. FIP, 18 in.	12
U3088FLEX24LF	3/4 in. x 3/4 in. FIP, 24 in.	12

Stainless Steel Corrugated Water Heater Connector



Part number	Description	Qty
SS3088FLEX12LF	3/4 in. x 3/4 in. FIP, 12 in.	12
SS3088FLEX18LF	3/4 in. x 3/4 in. FIP, 18 in.	12
SS3088FLEX24LF	3/4 in. x 3/4 in. FIP, 24 in.	12
SS3086FLEX24LF	3/4 in. x1 in. FIP, 24 in.	6
SS3094FLEX24LF	1 in. x 1 in. FIP, 24 in.	6
SS3096FLEX24LF	1 in. x 3/4 in. FIP, 24 in.	6

Stainless Steel Braided Water Heater Connector with Ball Valve



Part number	Description	Qty
U3068FLEX18BVLF	1/2 in. x 3/4 in. FIP, 18 in.	12
U3088FLEX18BVLF	3/4 in. x 3/4 in. FIP, 18 in.	12

Flexible Water Heater & Softener Connectors

Stainless Steel Corrugated Water Heater Connector with Ball Valve



Part number	Description	Qty
SS3068FLEX18BV	1/2 in. x 3/4 in. FIP, 18 in.	12
SS3088FLEX18BV	3/4 in. x 3/4 in. FIP, 18 in.	12

Stainless Steel Corrugated Water Heater Connector Kit



Kit contains one 3/4 in. FIP x 3/4 in. SB x 18 in. hose, one 3/4 in. FIP x 3/4 in. SB ball valve x 18 in. hose, and one 3/4 in. disconnect clip

Part numbe	r Description	Qty
24680	Kit	3

Stainless Steel Braided Water Coupling Hose



Part number	Description	Qty
U3008FLEX18LF	1/2 in. x 1/2 in., 18 in.	12
U3016FLEX18LF	3/4 in. x 3/4 in., 18 in.	12

Stainless Steel Braided Water Softener Connector



Part number	Description	Qty
U3086FLEX24LF	3/4 in. x 1 in. FIP, 24 in.	6

Stops & Fixture Supply Fittings

Wide range of supply stops for connecting fixtures and appliances. Used to control and shutoff water flow for maintenance and repair. Compatible with PEX, copper, CPVC, and PE-RT pipe and ideal for working in tight spaces.

Angle Stop



Part number	Description	Qty
23036-0000LF	1/2 in. x 3/8 in. Compression	12
24731LF	1/2 in. x 3/8 in. Compression Loose Key	6
23048-0000LF	1/2 in. x 1/4 in. (3/8 in. OD)	6
24733LF	1/2 in. x 1/4 in. (3/8 in. OD) Loose Key	6
23336-0000LF	1/2 in. x 1/4 in. Compression	6
24946	1/2 in. x 1/2 in. MIP	6



Brushed Nickel Angle Stop



Part number	Description	Qty
23036LFBN	1/2 in. X 3/8 in. Compression	1

Straight Stop



Part number	Description	Qty
23037-0000LF	1/2 in. x 3/8 in. Compression	12
24732LF	1/2 in. x 3/8 in. Compression Loose Key	6
23049-0000LF	1/2 in. x 1/4 in. (3/8 in. OD)	6
24734LF	1/2 in. x 1/4 in. (3/8 in. OD) Loose Key	6
23337-0000LF	1/2 in. x 1/4 in. Compression	6
24947	1/2 in. x 1/2 in. MIP	6

Tee Stop





Part number	Description	Qty
24983	1/2 in. x 1/2 in. x 1/4 in. Compression	6
24984	1/2 in. x 1/2 in. x 3/8 in. Compression	6
24985	3/4 in. x 3/4 in. x 1/4 in. Compression	6
24986	3/4 in. x 3/4 in. x 3/8 in. Compression	6
24987	1/2 in. x 1/2 in. x 1/4 in. (3/8 in. OD)	6

Dual Outlet Stop



Part number	Description	Qty
25558LF	1/2 in. Angle Stop x 3/8 in. x 3/8 in. OD Comp Dual Outlet Stop	6

Dual Shut Off Angle Stop



Part number	Description	Qty
SBDS123838	1/2 in. X 3/8 in. Compression X 3/8 in. Compression	1
SBDS123814	1/2 in. X 3/8 in. Compression X 1/4 in. Compression	1

Stops & Fixture Supply Fittings

Dual Tee Stop Valve Adapter



Insert onto stub-out then install any of the eight SharkBite stop valves to create any combination desired. CTS ends insert into any 1/2 in. SB fitting. Recommended use with Angle/Straight Stops.

Part number	Description	Qty
U782LF	1/2 in. CTS x 1/2 in. CTS x 1/2 in.	6

Stop Valve Connector



Part number	Description	Qty
U3523LF	1/4 in. (3/8 in. OD) x 3/8 in. Compression Stop Valve Connector (Converts 3/8 in. comp stop to SharkBite)	6
U3524LF	1/4 in. (3/8 in. OD) x 1/4 in. Compression Nut	6

Stop Valve Tee Adapter



Part number	Description	Qty
U3358LF	1/4 in. (3/8 in. OD) x 1/4 in. (3/8 in. OD) x 3/8 in. Compression	6
U4358LF	1/4 in. (3/8 in. OD) x 1/4 in. (3/8 in. OD) x 1/4 in. (3/8 in. OD) Tube	6

Faucet Connector



Part number	Description	Qty
U3525LF	1/4 in. (3/8 in. OD) x 1/2 in. NPSM	6

Toilet Connector





Part number	Description	Qty
U3531LF	1/4 in. (3/8 in. OD) x 7/8 in. Ballcock Threads Toilet Connector	6
U3537LF	1/4 in. (3/8 in. OD) x 7/8 in. Ballcock Threads Toilet Elbow	6

Angle Stop Supply Line



Part number	Description	Qty
24656	1/2 in. x 7/8 in. Ballcock Click Seal® Toilet Connector x 12 in.*	6
24657	1/2 in. x 1/2 in. NPSM Click Seal® Faucet Connector x 20 in.*	6



Straight Stop Supply Line



Part number	Description	Qty
24686	1/2 in. Straight Stop x 7/8 in. Ballcock Click Seal® Toilet Connector x 16 in.	1
24687	1/2 in. Straight Stop x 1/2 in. NPSM Click Seal® Faucet Connector x 30 in.	1

Additional Products

Manifolds with Push-to-Connect Branches





1 in. trunk with $^{3}\!\!\!/\!\!\!4$ in. push-to-connect inlets & outlets and $^{1}\!\!\!/\!\!2$ in. push-to-connect branches.

Part number	Description	Qty
25484Z	Manifold Bracket Set (for 1 in1-1/2 in. diameter manifolds)	1
25552LF	3-Port - Open	3
25553LF	3-Port - Closed	3
25554LF	4-Port - Open	3
25555LF	4-Port - Closed	3

Radiant Heating Manifold (1 in. FNPT x 1/2 in. SharkBite PEX loops)



Part number	Description	Qty
24930	3 Port	1
24931	4 Port	1
24932	5 Port	1
24933	6 Port	1
24934	7 Port	1
24935	8 Port	1
24936	9 Port	1
24937	10 Port	1
24938	11 Port	1
24939	12 Port	1
24940	13 Port	1

SharkBite Radiant Manifold Actuator



Part number	Description	Qty
24963	SharkBite Radiant Manifold Actuator	1

Additional Products

Push-to-Connect Home Run Manifold



Part number	Description	Qty
PM012SB	12 Port with Brass Valves	1
PM024SB	24 Port with Brass Valves	1

Water Hammer Arrestor



Provides continuous protection against water hammer. Can be positioned vertically or horizontally. Innovative push-to-connect design make for quick and easy installation, even on wet pipe, and ideal for working in tight spaces.

Part number	Description	Qty
22630LF	1/2 in. Residential	1
22631LF	1/2 in. Commercial	1
22632LF	3/4 in. Residential	1
22633LF	1 in. Commercial	1

Stub-out Elbow



The SharkBite stub-out elbows come with pre-fitted mounting brackets that provide four fixed installation positions on all wooden surfaces (studs, joists and subfloors) by simply rotating or repositioning the mounting bracket.

Part number	Description	Qty
U351LFA	1/2 in. SB x 1/2 in. Copper Tube 8 in. Length	6

Pressure Gauge



Part number	Description	Qty
24436	1/2 in. SB Tee with Pressure Gauge	1
24438	3/4 in. SB Tee with Pressure Gauge	1
24438A	3/4 in. SB Pressure Gauge in Retail Packaging	5
24440	1 in. SB Tee with Pressure Gauge	1
24442	1/2 in. CTS Pressure Gauge (inserts into any 1/2 in. SB fitting)	1
24444	3/4 in. CTS Pressure Gauge (inserts into any 3/4 in. SB fitting)	1

Temperature Gauge



Part number	Description	Qty
24437	1/2 in. SB Tee with Temperature Gauge	1
24439	3/4 in. SB Tee with Temperature Gauge	1
24441	1 in. SB Tee with Temperature Gauge	1
24443	1/2 in. CTS Temperature Gauge (inserts into any 1/2 in. SB fitting)	1
24445	3/4 in. CTS Temperature Gauge (inserts into any 3/4 in. SB fitting)	1



Kits

Tankless Water Heater Kit



Tankless Water Heater Kit comes with 3/4" Hot Isolation Valve, 3/4" Cold Isolation Valve, 3/4" FWL-2 Pressure Only Relief Valve.

Part number	Description	Qty
25374	3/4" Hot Isolation Valve, 3/4" Cold Isolation Valve, 3/4" FWL-2 Pressure Only Relief Valve	1

Water Heater Installation Kit



Kits include 2 SharkBite connector fittings and a disconnect clip.

Part number	Description	Qty
22604LF	1/2 in. x 3/4 in. FNPT	12
22441LF	3/4 in. x 3/4 in. FNPT	12

Contractor Kit



Kits include toolbox.

Part number	Description	Qty
22486LF	Kit Contains 2 each (U008LF, U016LF, U058LF, U072LF, U088LF, U120LF, U134LF, U248LF, U256LF) and 1 each (U362LF, U370LF, U514LF, U518LF, U710, U711, U713 and U702)	1
U3001A	Contractor Tool Box Only	1

Faucet Connection Kit in Bagged Packaging



Faucet kits come with 2 faucet connectors, 2 angle stops and 1 coil of 10' 1/4 in. White PEX Pipe.

Part number	Description	Qty
25087	Faucet Connector with Angle Stop	3
25538	Faucet Connector with Straight Stop	3

Toilet Connection Kit in Bagged Packaging



Toilet kits come with 1 toilet connector, 1 angle stop and 1 coil of 5' 1/4 in. White PEX Pipe.

Part number	Description	Qty
25088	Toilet Connector with Angle Stop	6
25539	Toilet Connector with Straight Stop	3

Kits

Ice Maker Connection Kit in Bagged Packaging



Ice maker kits come with 1 service slip tee, 1 angle stop, 1 valve connector and 10' 1/4 in. White PEX Pipe.

Part number	Description	Qty
25024	Ice Maker Connector with Angle Stop	1

Dishwasher Installation Kit in Bagged Packaging



Dishwasher kit comes with 1 dual outlet stop, 1 stop valve connector, 1 dishwasher elbow and 1 garden hose nut.

Part number	Description	Qty
25568	Dishwasher Installation Kit	3

Shower/Tub Installation Kit in Bagged Packaging



Shower/tub kit contains 2 drop ear elbows, 2 female connectors, 2 female elbows and 1 disconnect clip.

Part number	Description	Qty
25567	Shower/Tub Installation Kit	3

Water Filter Installation Kit in Bagged Packaging



Water Filter Kit comes with 1 slip coupling, 1 male connector and 1 disconnect clip.

Part number	Description	Qty
25561	Kit contains 1 x 3/4 in. Slip Connector, 1 x 3/4 in. Male Connector, and 1 x 3/4 in. Disconnect Clip	6
25562	Kitcontains1x1in.SlipConnector,1x1in.MaleConnectorand1x1in.DisconnectClip	6

Outlet Boxes & Washing Machine Valves

Ice Maker Outlet Box



Part number	Description	Qty
25096	1/2 in. SB x 1/4 in. Compression	1
25097	1/2 in. SB x 1/4 in. Compression with Water Hammer Arrestor	1



Washing Machine Outlet Box





Part number	Description	Qty
25098	1/2 in. SB x 3/4 in. MHT	1
25099	1/2 in. SB x 3/4 in. MHT with Water Hammer Arrestor	1

Faceplate Replacement



Part number	Description	Qty
25478	Ice Maker Box Replacement Faceplate for 25032, 25033, 25096, 25097	1
25464	Washing Machine Box Replacement Faceplate for 24763, 25031, 25098, 25099	1

Washing Machine Valve





Part number	Description	Qty
25559LF	1/2 in. x 3/4 in. MHT Straight Valve	6
25560LF	1/2 in. x 3/4 in. MHT Angle Valve	6

Tools and Accessories

Deburr & Gauge Tool



Part number	Description	Qty
U702	Use for 1/4 in., 3/8 in., 1/2 in., 5/8 in., 3/4 in. and 1 in. Copper and CPVC Pipe	1
UXLG03	Use for 1-1/4 in., 1-1/2 in., 2 in.	1

Disconnect Clip



Part number	Description	Qty
U706	1/4 in.	12
U708	3/8 in.	24
U710	1/2 in.	24
U3712	5/8 in.	24
U712	3/4 in.	24
U714	1in.	12

Disconnect Tong



Part number	Description	Qty
U711	1/2 in.	1
U713	3/4 in.	1
U715	1 in.	1

Disconnect Clip



Part number	Description	Qty
UXLDC35	1-1/4 in.	1
UXLDC41	1-1/2 in.	1
UXLDC54	2 in.	1



Large Diameter PEX Stiffener



Part number	Description	Qty
SBTL35	1-1/4 in.	1
SBTL41	1-1/2 in.	1
SBTL54	2 in.	1

Wrap for Fitting Burial



Part number	Description	Qty
25406	10' x 2 in. x 0.02 in. Silicone Wrap	1



SharkBite manufactures a large range of valves for almost any application, including ball valves, pressure regulating valves, thermostatic mixing valves, check valves, washing machine valves and outdoor hose valves. The innovative push-to-connect design makes them quick and easy to install, as well as compatible with PEX, copper, CPVC, PE-RT and HDPE pipe.





Ball Valves

Ball Valve



Part number	Description	Qty
22222-0000LF	1/2 in. x 1/2 in.	12
22185-0000LF	3/4 in. x 3/4 in.	12
22223-0000LF	1 in. x 1 in.	6
UXLBV35	1-1/4 in. x 1-1/4 in. *	1
UXLBV41	1-1/2 in. x 1-1/2 in. *	1
UXLBV54	2 in. x 2 in. *	1

 $[*] For \, \mathsf{PEX} \, \mathsf{applications}, \mathsf{stiffeners} \, \mathsf{are} \, \mathsf{sold} \, \mathsf{separately}.$

Ball Valve with FNPT Connector



Part number	Description	Qty
22182-0000LF	1/2 in. x 1/2 in. FNPT	6
22186-0000LF	3/4 in. x 3/4 in. FNPT	6
22187-0000LF	1 in. x 1 in. FNPT	3

Ball Valve with Drain/Vent



Part number	Description	Qty
22304-0000LF	1/2 in. x 1/2 in. x 1/8 in. NPSM Drain Thread	12
22305-0000LF	3/4 in. x 3/4 in. x 1/8 in. NPSM Drain Thread	12
22306-0000LF	1 in. x 1 in. x 1/8 in. NPSM Drain Thread	6
24377	1/8 in. NPSM Replacement Drain Cap	1

Ball Valve with Drain/Vent and Mounting Bracket



Part number	Description	Qty
24615-0000LF	$1/2$ in. \times $1/2$ in. \times $1/8$ in. NPSM Drain Thread	12
24616-0000LF	$3/4$ in. \times $3/4$ in. \times $1/8$ in. NPSM Drain Thread	6
24617-0000LF	1 in. x 11/e in. NPSM Drain Thread	6
24377	1/8 in. NPSM Replacement Drain Cap	1

Slip Ball Valve (Slip end only suitable for copper and CPVC)



Part number D	Description	Qty
24735LF 1/	/2 in. x 1/2 in.	6
24736LF 3/	3/4 in. x 3/4 in.	6
24737LF 1 i	in.x1in.	3

Reducing Ball Valve



Part number	Description	Qty
22973LF	3/4 in. x 1/2. in.	6
22993LF	1 in. x 3/4 in.	3

PVC Ball Valve



Part number	Description	Qty
25550LF	3/4 in. PVC x 3/4 in. CTS	6
25551LF	1 in. PVC x 3/4 in. CTS	6

Outdoor Hose Valves

Stop Valve with Drain



Part number	Description	Qty
24634LF	1/2 in. x 1/2 in.	12
24635LF	3/4 in. x 3/4 in.	12
24377	1/8 in. NPSM Replacement Drain Cap	1

Stop Valve Repair Kit



Part number	Description	Qty
25757	Stop Valve Repair Kit	1
24377	1/8 in. NPSM Replacement Drain Cap	1

Hose Bibbs



Part number	Description	Qty
24620LF	1/2 in. x 3/4 in. MHT 90° – Quarter-Turn	6
24621LF	3/4 in. x 3/4 in. MHT 90° – Quarter-Turn	6
24626LF	1/2 in. x 3/4 in. MHT 90° — Multi-Turn	6
24627LF	3/4 in. x 3/4 in. MHT 90° – Multi-Turn	6
24630LF	1/2 in. x 3/4 in. MHT No-Kink 45° – Quarter-Turn	6
24631LF	3/4 in. x 3/4 in. MHT No-Kink 45° – Quarter-Turn	6
24632LF	1/2 in. x 3/4 in. MHT No-Kink 45° – Multi-Turn	6
24633LF	3/4 in. x 3/4 in. MHT No-Kink 45° - Multi-Turn	6

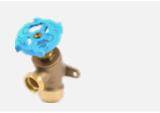
Outdoor Hose Valves

Hose Bibb Repair Kits



Part number	Description	Qty
25756	O-ring Repair Set for Multi Turn Hose Bibbs	1

Garden Valves



Part number	Description	Qty
24622LF	1/2 in. x 3/4 in. MHT	6
24623LF	3/4 in. x 3/4 in. MHT	6

Garden Valve Repair Kit



Part number	Description	Qty
25758	Garden Valve Repair Kit	1

Anti-Siphon Frost-Free Sillcock



Part number	Description	Qty
25743LF	1/2 in. x 3/4 in. MHT 4 in.	4
25744LF	1/2 in. x 3/4 in. MHT 6 in.	4
24628LF	1/2 in. x 3/4 in. MHT 8 in.	4
24629LF	1/2 in. x 3/4 in. MHT 10 in.	4
24636LF	1/2 in. x 3/4 in. MHT 12 in.	4
24637LF	1/2 in. x 3/4 in. MHT 15 in.	4
24638LF	1/2 in. x 3/4 in. MHT 18 in.	4

Anti-Siphon Frost-Free Sillcock Repair Kit



Part number	Description	Qty
25759	Vacuum Breaker Repair Kit	1
25773	4 in. Steam Repair Kit	1
25774	6 in. Steam Repair Kit	1
25751	8 in. Steam Repair Kit	1
25752	10 in. Steam Repair Kit	1
25753	12 in. Steam Repair Kit	1
25754	15 in. Steam Repair Kit	1
25755	18 in. Steam Repair Kit	1



Pressure Regulating Valves

EB45 Lead Free SharkBite Connection



Part number	Description	Qty
23807-0045	1/2 in. EB45-DSB Direct SharkBite	1
24383-0045	1/2 in. EB45-SDSB Slip Feature Direct SharkBite	1
23893-0045	1/2 in. EB45-DUSB Double Union SharkBite	1
24476-0045	1/2 in. EB45-DUSB Double Union SharkBite with Metal Top	1
23808-0045	3/4 in. EB45-DSB Direct SharkBite	1
24384-0045	3/4 in. EB45-SDSB Slip Feature Direct SharkBite	1
23894-0045	3/4 in. EB45-DUSB Double Union SharkBite	1
23896-0060	3/4 in. EB45 Double Union SharkBite (60 psi setting)	1
24449-0045	3/4 in. EB45-DUSB Double Union SharkBite with Gauge	1
24477-0045	3/4 in. EB45-DUSB Double Union SharkBite with Metal Top	1
22675-0045	1 in. EB45-DSB Direct SharkBite	1
23358-0045	1 in. EB45-DUSB Double Union SharkBite	1
23945-0060	1 in. EB45-DUSB Double Union SharkBite (60 psi setting)	1
25847-0045	1-1/4 in. EB45 Double Union SharkBite	1
25848-0045	1-1/2 in. EB45 Double Union SharkBite	1
25849-0045	2 in. EB45 Double Union SharkBite	1

All EB45 valves factory set at 45 psi unless specified.

EB25 Lead Free SharkBite Connection



Part number	Description	Qty
23955-0045	3/4 in. EB25-DUSB Double Union SharkBite	1
23956-0045	1 in. EB25-DUSB Double Union SharkBite	1
25844-0045	1-1/4 in. EB25 Double Union SharkBite	1
25845-0045	1-1/2 in. EB25 Double Union SharkBite	1
25846-0045	2 in. EB25 Double Union SharkBite	1

A-89 Boiler Feed Valve



Part number	Description	Qty
25521Z	1/2 in. A-89 Direct SharkBite	1

Thermostatic Mixing Valves

HG110-D Lead Free



Part number	Description	Qty
24548	1/2 in. HG110-D with Integrated SharkBite Connections and Integral Checks	1
24549	3/4 in. HG110-D with Integrated SharkBite Connections and Integral Checks	1
24504	1/2 in. HG110-D with SharkBite Union Connections	1
24505	3/4 in. HG110-D with SharkBite Union Connections	1

ASSE 1017, 1069 & 1070, CSA B 125.3. Distribution and in-line.

Thermostatic Mixing Valves

HG160 Lead Free



Part number	Description	Qty
24529	1/2 in. HG160 with SharkBite Connections	1
24530	3/4 in. HG160 with SharkBite Connections	1

ASSE 1017, 1069 & 1070, CSA B 125.3. Distribution and in-line.

HG110-HX



Part number	Description	Qty
24867	3/4 in. HG110-HX with SharkBite Connections and Integral Checks	1

Check Valves

Check Valve



Used to prevent the reverse flow of water.

Part number	Description	Qty
U2008-0000LF	1/2 in. x 1/2 in.	6
U2016-0000LF	3/4 in. x 3/4 in.	6
U2020-0000LF	lin, x lin,	3

Dual Check Valve



Part number	Description	Qty
BF13434SB	3/4 in. x 3/4 in.	1
BF10101SB	1in.x1in.	1
BF5M0134SB	1 in. x 3/4 in.	1
BF5M1401SB	1-1/4 in. x 1 in.	1

ASSE 1024 & CSA B64.6



Thermal Expansion Relief Valve

Thermal Expansion Relief Valve



Part number	Description	Qty
25704LF	3/4 in. x 3/4 in. x 1/2 in. Outlet	1

Temperature & Pressure Relief Valves

Provides temperature and pressure protection for residential water heaters and storage tanks. Push-to-connect design allows for quick and easy installation on copper and CPVC drain lines. Comes with standard factory settings of 150 psi for pressure and 210°F (99°C) for temperature relief. Completely automatic and reseats after temperature or pressure relief.

Temperature & Pressure Relief Valve



Part number	Description	Qty
24609-0150	3/4 in. NCLX-5LX with SharkBite Outlet Connection	1



EvoPEX Fittings

Designed for new construction and larger renovation projects, SharkBite EvoPEX push-to-connect fittings and SharkBite PEX pipe deliver the ability to plumb an entire potable water system without the need for special tools. This revolutionary system provides a faster, safer and more reliable installation for long-term use and satisfaction. It extends beyond the traditional pipe and fittings solutions to include fittings, PEX pipe, valves, supply stops and other accessories.

Keep to schedule

No special tools, crimping, glue or solder to plumb an entire home, optimizing install time and efficiency. Fittings can be securely rotated after installation for quick alignment.

Mitigate risk

The system's ease of installation reduces the risk of install errors, which minimizes potential leaks. A green visual indicator provides instant assurance that a secure and permanent connection has been made.

For use on SharkBite PEX pipe only. Not compatible with copper or CPVC pipe.





EvoPEX Rough Plumbing Fittings

Coupling



Part number	Description	Bag qty	Minimum order qty
K008WP3	1/2 in.	3	1
K016WP3	3/4 in.	3	1
K020WP2	1 in.	2	1

For use on SharkBite PEX pipe only.

Reducing Coupling



Part number	Description	Bag qty	Minimum order qty
K058WP3	3/4 in. x 1/2 in.	3	1
K060WP2	1 in. x 3/4 in.	2	1

For use on SharkBite PEX pipe only.

Female Adapter



Part number	Description	Bag qty	Minimum order qty
K072WP3	1/2 in. x FNPT	3	1
K088WP3	3/4 in. x FNPT	3	1
K094WP2	1 in. x FNPT	2	1

For use on SharkBite PEX pipe only.

Male Adapter



Part number	Description	Bag qty	Minimum order qty
K120WP3	1/2 in. x MNPT	3	1
K134WP3	3/4 in. x MNPT	3	1
K140WP2	1 in. x MNPT	2	1

For use on SharkBite PEX pipe only.

Elbow



Part number	Description	Bag qty	Minimum order qty
K248WP6	1/2 in. x 1/2 in.	6	1
K256WP6	3/4 in. x 3/4 in.	6	1
K260WP2	lin.xlin.	2	1

For use on SharkBite PEX pipe only.

Reducing Elbow



Part number	Description	Bag qty	Minimum order qty
K274WP3	1/2 in. x 3/4 in.	3	1
K277WP2	1 in. x 1/2 in.	2	1



Male Elbow



Part number	Description	Bag qty	Minimum order qty
K280WP2	1/2 in. x MNPT	2	1

For use on SharkBite PEX pipe only.

Female Elbow



Part number	Description	Bag qty	Minimum order qty
K308WP2	1/2 in. x FNPT Elbow	2	1

For use on SharkBite PEX pipe only.

Drop-Ear Elbow



Part number	Description	Bag qty	Minimum order qty
K334WP3	1/2 in. x FNPT	3	1
K340WP2	3/4 in. x FNPT	2	1

For use on SharkBite PEX pipe only.

Tee



Part number	Description	Bag qty	Minimum order qty
K362WP3	1/2 in. x 1/2 in. x 1/2 in.	3	1
K370WP3	3/4 in. x 3/4 in. x 3/4 in.	3	1
K374WP2	1 in. x 1 in. x 1 in.	2	1

For use on SharkBite PEX pipe only.

Reducing Street Tee



Part number	Description	Bag qty	Minimum order qty
K4483WP3	3/4 in. x 3/4 in. x 1/2 in.	3	1
K4485WP2	1 in. x 1 in. x 1/2 in.	2	1

EvoPEX Rough Plumbing Fittings

Reducing Tee



Part number	Description	Bag qty	Minimum order qty
K408WP3	1/2 in. x 1/2 in. x 3/4 in.	3	1
K412WP3	3/4 in. x 3/4 in. x 1/2 in.	3	1
K413WP2	3/4 in. x 3/4 in. x 1 in.	2	1
K414WP2	1 in. x 3/4 in. x 3/4 in.	2	1
K415WP2	1 in. x 1 in. x 1/2 in.	2	1
K416WP2	1 in. x 1 in. x 3/4 in.	2	1
K418WP2	1 in. x 3/4 in. x 1 in.	2	1
K419WP2	1 in. x 3/4 in. x 1/2 in.	2	1
K444WP3	3/4 in. x 1/2 in. x 3/4 in.	3	1
K454WP3	3/4 in. x 1/2 in. x 1/2 in.	3	1

For use on SharkBite PEX pipe only.

End Cap



Part number	Description	Bag qty	Minimum order qty
K514WP6	1/2 in.	6	1
K518WP6	3/4 in.	6	1
K520WP2	1 in.	2	1

For use on SharkBite PEX pipe only.

PEX Stub-out Kit



Part number	Description	Bag qty	Minimum order qty
K25578WP12	1/2 in. x 6 in. with Bracket and EvoPEX 1/2 in. 90	12	1
K25581WP12	1/2 in. x 6 in. with EvoPEX 1/2 in. 90	12	1
K25721WP12	1/2 in. x 10 in. with Bracket, Cap and EvoPEX 1/2 in. 90	12	1
K25722WP12	1/2 in. x 10 in. with Cap and EvoPEX 1/2 in. 90	12	1

For use on SharkBite PEX pipe only.

PEX Stub-out



Part number	Description	Bag qty	Minimum order qty
K24649WP	1/2 in. x 6 in. with Bracket	25	25
K24650WP	1/2 in. x 6 in.	25	25
K25721WP	1/2 in. x 10 in. with Bracket and Cap	25	25
K25722WP	1/2 in. x 10 in. with Cap	25	25
K25723WP	1/2 in. x 20 in. with Bracket and Cap	25	25



Copper Stub-out



Part number	Description	Bag qty	Minimum order qty
K25811	1/2 in. x 6 in. with Bracket & EvoPEX Elbow	12	12
K25813	1/2 in. x 6 in. with EvoPEX Elbow	12	12
K25815	1/2 in. x 8 in. with Bracket & EvoPEX Elbow	12	12
K25817	1/2 in. x 8 in. with EvoPEX Elbow	12	12

For use on SharkBite PEX pipe only.

Supply Stops

Angle Stop



Part number	Description	Bag qty	Minimum order qty
K23036	1/2 in. x 3/8 in. Compression with Escutcheon	1	12

For use on SharkBite PEX pipe only.

Straight Stop



Part number	Description	Bag qty	Minimum order qty
K23037	1/2 in. x 3/8 in. Compression with Escutcheon	1	12

For use on SharkBite PEX pipe only.

Ball Valves

Ball Valve



Part number	Description	Bag qty	Minimum order qty
K22222	1/2 in. x 1/2 in.	1	12
K22185	3/4 in. x 3/4 in.	1	12
K22223	1 in. x 1 in.	1	6



PEX Crimp & Clamp Fittings

SharkBite manufactures a wide selection of brass and poly crimp fittings, tools and accessories. Certified for potable water and radiant heating applications and can be used to connect PEX pipe with copper crimp rings or stainless steel clamps.





PEX Brass Rough Plumbing Fittings

Coupling





Part number	Description	Qty
UC006LF	3/8 in. x 3/8 in.	10
UC008LF	1/2 in. x 1/2 in.	25
UC012LF	5/8 in. x 5/8 in.	10
UC016LF	3/4 in. x 3/4 in.	25
UC020LF	lin.xlin.	10
UC0135	1-1/4 in.x 1-1/4 in.	20
UC0141	1-1/2 in. x 1-1/2 in.	20
UC0154	2 in. x 2 in.	15

Reducing Coupling





Part number	Description	Qty
UC009LF	3/8 in. x 1/2 in.	10
UC058LF	1/2 in. x 3/4 in.	25
UC057LF	3/4 in. x 5/8 in.	10
UC060LF	3/4 in. x 1 in.	25
UC013522	1-1/4 in. x 3/4 in.	20
UC013528	1-1/4 in. x 1 in.	20
UC014122	1-1/2 in. x 3/4 in.	15
UC014128	1-1/2 in. x 1 in.	20
UC014135	1-1/2 in. x 1-1/4 in.	20
UC015441	2 in. x 1-1/2 in.	20

Threaded Female Adapter



Part number	Description	Qty
UC068LF	1/2 in. x 3/4 in. FNPT	25
UC072LF	1/2 in. x 1/2 in. FNPT	25
UC092LF	3/4 in. x 1/2 in. FNPT Bullnose	25
UC088LF	3/4 in. x 3/4 in. FNPT	25
UC094LF	1 in. x 1 in. FNPT	10
UC113532F	1-1/4 in. x 1-1/4 in. FNPT Lead Free	10
UC114140F	1-1/2 in. x 1-1/2 in. FNPT Lead Free	10
UC115450F	2 in. x 2 in. FNPT Lead Free	10

Threaded Male Adapter



Part number	Description	Qty
UC118LF	3/8 in. x 1/2 in. MNPT	10
UC120LF	1/2 in. x 1/2 in. MNPT	25
UC116LF	1/2 in. x 3/4 in. MNPT	25
UC138LF	3/4 in. x 1/2 in. MNPT	25
UC134LF	3/4 in. x 3/4 in. MNPT	25
UC139LF	3/4 in. x1 in. MNPT	10
UC142LF	1 in. x 3/4 in. MNPT	10
UC140LF	1 in. x1 in. MNPT	10
UC113532M	1-1/4 in. x 1-1/4 in. MNPT Lead Free	10
UC114140M	1-1/2 in. x 1-1/2 in. MNPT Lead Free	10
UC115450M	2 in. x 2 in. MNPT Lead Free	10



Sweat Female Adapter



Part number	Description	Qty
UC600LF	1/2 in. x 1/2 in.	25
UC606LF	3/4 in. x 3/4 in.	25
UC605LF	1 in. x 1 in.	10

Sweat Male Adapter



Part number	Description	Qty
UC607LF	1/2 in. x 1/2 in.	25
UC608LF	3/4 in. x 3/4 in.	25
UC609LF	lin.xlin.	10

Elbow





Part number	Description	Qty
UC246LF	3/8 in. x 3/8 in.	10
UC248LF	1/2 in. x 1/2 in.	25
UC256LF	3/4 in. x 3/4 in.	25
UC260LF	lin.xlin.	10
UC0235	1-1/4 in. x 1-1/4 in.	10
UC0241	1-1/2 in. x 1-1/2 in.	10
UC0254	2 in. x 2 in.	10

Reducing Elbow



Part number	Description	Qty
UC272LF	1/2 in. x 3/8 in.	10
UC274LF	1/2 in. x 3/4 in.	25
UC273LF	3/4 in. x 5/8 in.	10

Drop-Ear Elbow



Part number	Description	Qty
UC334LF	1/2 in. x 1/2 in. FNPT	25
UC340LF	3/4 in. x 3/4 in. FNPT	25
UC342LF	3/4 in. x 1/2 in. FNPT	25

Adapter Elbow



Part number	Description	Qty
UC280LF	1/2 in. x 1/2 in. MNPT	25
UC278LF	1/2 in. x 3/4 in. MNPT	25
UC286LF	3/4 in. x 3/4 in. MNPT	25
UC626LF	3/4 in. x 3/4 in. Female Sweat	25
UC628LF	3/4 in. x 3/4 in. Male Sweat	25

PEX Brass Rough Plumbing Fittings

Tee



Part number	Description	Qty
UC360LF	3/8 in. x 3/8 in. x 3/8 in.	10
UC362LF	1/2 in. x 1/2 in. x 1/2 in.	25
UC370LF	3/4 in. x 3/4 in. x 3/4 in.	25
UC374LF	lin.xlin.xlin.	10
UC0835	1-1/4 in. x 1-1/4 in. x 1-1/4 in.	10
UC0841	1-1/2 in. x 1-1/2 in. x 1-1/2 in.	5
UC0854	2 in. x 2 in. x 2 in.	5

Bullnose Tee



Part number	Description	Qty
UC408LF	1/2 in. x 1/2 in. x 3/4 in.	25
UC413LF	3/4 in. x 3/4 in. x 1 in.	10

Reducing Tee



Part number	Description	Qty
UC364LF	3/8 in. x 3/8 in. x 1/2 in.	10
UC452LF	1/2 in. x 3/8 in. x 3/8 in.	10
UC363LF	1/2 in. x 1/2 in. x 3/8 in.	10
UC434LF	1/2 in. x 3/8 in. x 1/2 in.	10
UC417LF	3/4 in. x 3/4 in. x 3/8 in.	10
UC412LF	3/4 in. x 3/4 in. x 1/2 in.	25
UC454LF	3/4 in. x 1/2 in. x 1/2 in.	25
UC444LF	3/4 in. x 1/2 in. x 3/4 in.	25
UC414LF	1 in. x 3/4 in. x 3/4 in.	10
UC415LF	1 in. x 1 in. x 1/2 in.	10
UC416LF	1 in. x 1 in. x 3/4 in.	10
UC418LF	lin. x 3/4 in. x lin.	10
UC08352828	1-1/4 in. x1 in. x1 in.	10
UC08353516	1-1/4 in. in.x 1-1/4 in. x 1/2 in.	10
UC08353522	1-1/4 in. x 1-1/4 in. x 3/4 in.	10
UC08353528	1-1/4 in. x 1-1/4 in. x 1 in.	10
UC08413528	1-1/2 in. x 1-1/2 in. x 1 in.	5
UC08414116	1-1/2 in. x 1-1/2 in. x 1/2 in.	5
UC08414122	1-1/2 in. x 1-1/2 in. x 3/4 in.	10
UC08414128	1-1/2 in. x 1-1/2 in. x 1 in.'	5
UC08414135	1-1/2 in. x 1-1/2 in. x 1-1/4 in.	5
UC08545416	2 in. x 2 in. x 1/2 in.	5
UC08545422	2 in. x 2 in. x 3/4 in.	5
UC08545428	2 in. x 2 in. x 1 in.	5
UC08545441	2 in. x 2 in. x 1-1/2 in.	5



Swivel Adapter



Part number	Description	Qty
UC527LF	3/8 in. x 3/8 in. FNPT	10
UC526LF	1/2 in. x 1/2 in. FNPT	25
UC534LF	1/2 in. x 3/4 in. FNPT	25
UC530LF	3/4 in. x 3/4 in. FNPT	25
UC529LF	3/4 in. x 1 in. FNPT	10
UC594LF	lin.xlin.FNPT	10

Swivel Elbow



Part number	Description	Qty
UC531LF	3/8 in. x 1/2 in. MNPT	10
UC532LF	1/2 in. x 1/2 in. MNPT	25

Swivel Toilet Connectors



Part number	Description	Qty
UC528LF	1/2 in. x 7/8 in. BC Straight	10
23067LF	1/2 in. x 7/8 in. BC Elbow	6

Plug



Part number	Description	Qty
UC512LF	3/8 in.	10
UC514LF	1/2 in.	25
UC518LF	3/4 in.	25
UC520LF	1in.	10
UC0435	1-1/4 in.	40
UC0441	1-1/2 in.	30
UC0454	2 in.	20

PEX Transition Fittings

Polybutylene Transition Coupling (with PB crimp ring)



Part number	Description	Qty
UC4006LF	3/8 in. x 3/8 in.	10
UC4008LF	1/2 in. x 1/2 in.	25
UC4016LF	3/4 in. 3/4 in.	25

PEX Poly Rough Plumbing Fittings

Corrosion resistant fittings certified for use in potable water and hydronic heating applications.

Coupling



Part number	Description	Qty
UP008	1/2 in. x 1/2 in.	25
UP016	3/4 in. x 3/4 in.	25
UP020	lin.xlin.	25

Reducing Coupling



Part number	Description	Qty
UP058	3/4 in. x 1/2 in.	25
UP060	1 in. x 3/4 in.	25

Connector





Part number	Description	Qty
UP120	1/2 in. x 1/2 in. MNPT	25
UP134	3/4 in. x 3/4 in. MNPT	25
UP138	3/4 in. x 1/2 in. MNPT	25
UP140	1 in. x 1 in. MNPT	25

Elbow



Part number	Description	Qty
UP248	1/2 x 1/2 in.	25
UP256	3/4 in. x 3/4 in.	25
UP260	lin.xlin.	25

Male Elbow



Part number	Description	Qty
UP280	1/2 in. x 1/2 in. MNPT	25



Reducing Elbow



Part number	Description	Qty
UP274	3/4 in. x 1/2 in.	25

Tee



Part number	Description	Qty
UP360	3/8 in. x 3/8 in. x 3/8 in.	10
UP362	1/2 in. x 1/2 in.x 1/2 in.	25
UP370	3/4 in. x 3/4 in. x 3/4 in.	25
UP374	1 in. x1 in. x1 in.	25

Reducing Tee



Part number	Description	Qty
UP408	1/2 in. x 1/2 in. x 3/4 in.	25
UP454	3/4 in. x 1/2 in. x 1/2 in.	25
UP412	3/4 in. x 3/4 in. x 1/2 in.	25
UP444	3/4 in. x 1/2 in. x 3/4 in.	25
UP414	1 in. x 3/4 in. x 3/4 in.	25
UP415	1 in. x 1 in. x 1/2 in.	25
UP416	1 in. x 1 in. x 3/4 in.	25

Plug



Part number	Description	Qty
UP514	1/2 in.	25
UP518	3/4 in.	25
UP520	lin.	25

Adapter



Part number	Description	Qty
UP526	1/2 in. x 1/2 in. FIP Swivel	25
UP527	3/8 in. x 1/2 in. FIP Swivel	10
UP532	1/2 in. x 1/2 in. FIP Swivel Elbow	25

Poly Multi-Port Tee 3 Port



Part number	Description	Qty
UРМРТ3O	Poly Multi-Port Tee 3 Port Open	12
UPMPT3C	Poly Multi-Port Tee 3 Port Closed	12

PEX Poly Rough Plumbing Fittings

Poly Multi-Port Tee 4 Port



Part number	Description	Qty
UPMPT4O	Poly Multi-Port Tee 4 Port Open	12
UPMPT4C	Poly Multi-Port Tee 4 Port Closed	12

PEX Supply Stops

PEX Chrome Plated Quarter Turn Angle Stop



Part number	Description	Qty
23058LF	1/2 in. x 3/8 in. OD Compression (Quarter Turn)	24
23056LF	1/2 in. x 1/4 in. OD Compression (Quarter Turn)	6

PEX Chrome Plated Quarter Turn Straight Stop



Part number	Description	Qty
23382LF	3/8 in. x 3/8 in. (Quarter Turn)	6
23057LF	1/2 in. x 3/8 in. OD Compression (Quarter Turn)	24

PEX Chrome Plated Straight Stop



Part number	Description	Qty
23059LF	1/2 in. x 3/8 in. Compression	24
23062LF	1/2 in. x 3/8 in.	6
23061LF	1/2 in. x 1/2 in. MPT	6
23063LF	1/2 in. x 1/2 in.	12

PEX Chrome Plated Angle Stop



Part number	Description	Qty
23060LF	1/2 in. x 3/8 in. Compression	12
23064LF	1/2 in. x 3/4 in. MHT	6

PEX Chrome Plated Angle Dual Outlet Stop



Part number	Description	Qty
23066LF	1/2 in. x 3/8 in. x 3/8 in. Compression	6



PEX Stub-outs, Manifolds & Arrestors

Copper Stub-out Elbow



All copper stub-out elbows are lead free.

Part number	Description	Qty
22791	1/2 in. x Closed (4 in. x 8 in.)	12
23069	3/8 in. x 1/2 in. (4 in. x 4 in.)	6
23070	1/2 in. x 1/2 in. (4 in. x 4 in.)	6
25094	1/2 in. x Closed (4 in. x 8 in.) with Bracket	1

Copper Manifold with Barb Branches



1 in. trunk with 3/4 in. barb inlets & outlets and 1/2 in. barb ports - 2 in. on center, lead free

Part number	Description	Qty
25484Z	Manifold Bracket Set (for 1 in1-1/2 in. diameter manifolds)	1
22783	3 Port Closed	1
22784	3 Port Open	1
22785	4 Port Closed	1
22786	4 Port Open	1
22787	6 Port Closed	1
22788	6 Port Open	1
22789	8 Port Closed	1
22790	8 Port Open	1

Water Hammer Arrestor



Provides maintenance-free, continuous protection against water hammer. Can be positioned vertically or horizontally.

Part number	Description	Qty
25401	1/2 in. Residential	1

Barb and Poly Home Run Manifold



Part number	Description	Qty
RM22712	12 Port with Brass Ball Valves	1
RM22724	24 Port with Brass Ball Valves	1
PM012UP	12 Port with Poly Ball Valves	1
PM024UP	24 Port with Poly Ball Valves	1

PEX Ball Valves

Barb Ball Valve



Part number	Description	Qty
22461LF	1/2 in. x 1/2 in.	12
22462LF	3/4 in. x 3/4 in.	12
22463LF	lin.xlin.	6

PEX Ball Valves

Barb Ball Valve with Drain / Vent



Part number	Description	Qty
24612LF	1/2 in. x 1/2 in. x 1/8 in. NPSM Drain Thread	6
24613LF	3/4 in. x 3/4 in. x 1/8 in. NPSM Drain Thread	6
24377	1/8 in. NPSM Replacement Drain Cap	1

PEX Outlet Boxes & Washing Machine Valves

Brass Crimp Washing Machine Outlet Box



Part number	Description	Qty
25739	1/2 in, x 3/4 in, MHT	1

Brass Crimp Icemaker Outlet Box



Part number	Description	Qty
25740	1/2 in. x 1/4 in. Compression	1

Faceplate Replacements





Part number	Description	Qty
25478	Ice Maker Box Replacement Faceplate for 25032, 25033, 25096, 25097, 25739	1
25464	Washing Machine Box Replacement Faceplate for 24763, 25031, 25098, 25099, 25740	1

Washing Machine Valves





Part number	Description	Qty
24998A	1/2 in. Red Handle	1
24813A	1/2 in. Blue Handle	1



Tools & Accessories

Clamp Ring (stainless steel)



Part number	Description	Qty
UC952	3/8 in.	100
UC953	1/2 in.	100
UC954	5/8 in.	50
UC955	3/4 in.	100
UC956	lin.	50

Crimp Ring (copper)





Part number	Description	Qty
23101CP25	3/8 in. (25 Pack)	6
23101CP100	3/8 in. (100 Pack)	6
23102CP25	1/2 in. (25 Pack)	24
23102CP100	1/2 in. (100 Pack)	6
23103CP25	3/4 in. (25 Pack)	12
23103CP100	3/4 in. (100 Pack)	6
23104CP25	1 in. (25 Pack)	6
23101	3/8 in.	100
23102	1/2 in.	100
23103	3/4 in.	100
24676	1-1/4 in.	50
24677	1-1/2 in.	50
24678	2 in.	20

Pex Bend Support, Suspension Clamp and Insulator



Part number	Description	Qty
23065	3/8 in. J Hook PEX Pipe Clamp (10 Pack)	12
23220	1/2 in. J Hook PEX Pipe Clamp (10 Pack)	12
23220Z100	1/2 in. J Hook PEX Pipe Clamp (100 Pack)	5
23221	3/4 in. J Hook PEX Pipe Clamp (10 Pack)	12
23071A10	1/2 in. Insulated Suspension Clamp (10 Pack)	6
23072A10	3/4 in. Insulated Suspension Clamp (10 Pack)	6
23073A10	1 in. Insulated Suspension Clamp (10 Pack)	6
23074A10	1/2 in. Pipe Insulator (10 Pack)	6
23075A10	3/4 in. Pipe Insulator (10 Pack)	6
23076A10	1 in. Pipe Insulator (10 Pack)	6
23050	1/2 in. Polymer Bend Support with mounting bracket	12
23051	3/4 in. Polymer Bend Support	6
23053	1/2 in. Metal Pipe Support	12
23054	3/4 in. Metal Pipe Support	12

Radiant Installation Component



Part number	Description	Qty
25485Z25	1/2 in. PEX Wire Mesh Installation Clips (25 Pack)	1
25486Z25	1/2 in. PEX Foam Insulation Twist Clips (25 Pack)	1
25490Z	1/2 in. PEX Conduit Slab Support	10

Tools & Accessories

PEX Crimp Tool



Part number	Description	Qty
23251	1/2 in., 3/4 in. PEX Combo Crimp Tool	1
23383	3/8 in., 1/2 in., 3/4 in. PEX Pocket Crimp Tool	1

PEX Crimp Tool Kit



Part number	Description	Qty
23100	3/8 in., 1/2 in., 3/4 in., 1 in. PEX Crimp Ring Tool Kit (Crimp Ring Gauge included)	1
24675	1-1/4 in., 1-1/2 in., 2 in. Crimp Tool	1

PEX Clamp Tool



Part number	Description	Qty
UC961	PEX Clamp Tool One-hand Operation	1
23081	PEX Clamp Tool Standard Handles	1

Crimp Ring Gauge



Part number	Description	Qty
23080	3/8 in., 1/2 in., 3/4 in., 1 in. PEX Crimp Ring Gauge	6

Crimp Ring Removal Tool



Part number	Description	Qty
23055	PEX Crimp Ring Removal Tool	6

PEX Decoiler



Part number	Description	Qty
UFH034	PEX Decoiler	1



PEX Pipe Cutter



Part number	Description	Qty
U701	PEX Pipe Cutter	1
25880	Pro PEX Cutter 1/4 in 1 in.	1
23369	Radial PEX cutter 1/2 in 1 in.	1



PEX Pipe

The benefits of SharkBite PEX

SharkBite PEX pipe is a cost-effective piping solution approved for use in both hot and cold plumbing installations. Compared to rigid pipe, PEX pipe is faster to install and its flexibility to bend around corners allows for longer runs and fewer connections – reducing cost, time and potential leak points. It is also a freeze resistant pipe that can expand slightly if frozen and contract when thawed. SharkBite PEX pipe offers the highest rating for chlorine resistance and a six-month UV resistance, the highest available. It is approved for water service lines and burial applications, including being buried in concrete. With more than 850 million feet of PEX pipe installed in North America, SharkBite PEX pipe is proven and guaranteed.



Discover the flexibility and benefits of SharkBite PEX Pipe

Cost Savings and Flexibility

Flexibility to bend around corners allowing for longer runs with fewer connections, which saves cost, allows for faster installations and reduces potential leak points.

Freeze Resistant

PEX systems are less susceptible to burst in freezing conditions due to the pipe's ability to expand and contract.

Chlorine and UV Resistance

SharkBite PEX has a 5306 rating, giving it a UV rating of 6 months. It also has the highest chlorine resistance rating.

Health and Safety

No torches, glue or solvents required for installation, which keeps potentially dangerous chemicals out of the potable water supply.

Proven and Guaranteed

SharkBite PEX pipe has been around for more than 35 years with over 12 billion feet of pipe installed worldwide.

Potable Water PEX Pipe

PEX Pipe (coils)





Part number White	Part number Red	Part number Blue	Size	Qty
U850W50			1/4 in. (3/8 in. OD) x 50'	1
U855W50			3/8 in. x 50'	1
U855W100	U855R100	U855B100	3/8 in. x 100'	1
U860W25	U860R25	U860B25	1/2 in. x 25'	1
U860W50	U860R50	U860B50	1/2 in. x 50'	1
U860W100	U860R100	U860B100	1/2 in. x 100'	1
U860W300	U860R300	U860B300	1/2 in. x 300'	1
U860W500	U860R500	U860B500	1/2 in. x 500'	1
U870W25	U870R25	U870B25	3/4 in. x 25'	1
U870W50	U870R50	U870B50	3/4 in. x 50'	1
U870W100	U870R100	U870B100	3/4 in. x 100'	1
U870W300	U870R300	U870B300	3/4 in. x 300'	1
U870W500	U870R500	U870B500	3/4 in. x 500'	1
U880W100	U880R100	U880B100	1 in. x 100'	1
U880W300	U880R300	U880B300	1 in. x 300'	1
U880W500	U880R500	U880B500	1 in. x 500'	1
U885W100			1-1/4 in. x 100'	1
U890W100			1-1/2 in. x 100'	1
U895W100			2 in. x 100'	1

PEX Pipe (straight lengths)



Part number White	Part number Red	Part number Blue	Size	Oty
	Kea	Bine	144 (2.64 28) 5	• • •
U850W5			1/4 in. (3/8 in. OD) x 5'	20
U855W5			3/8 in. x 5'	10
U855W10			3/8 in. x 10'	10
U860W2	U860R2	U860B2	1/2 in. x 2'	60
U860W5	U860R5	U860B5	1/2 in. x 5'	10
U860W10	U860R10	U860B10	1/2 in. x 10'	10
U860W20	U860R20	U860B20	1/2 in. x 20'	10
U870W2	U870R2	U870B2	3/4 in. x 2'	30
U870W5	U870R5	U870B5	3/4 in. x 5'	10
U870W10	U870R10	U870B10	3/4 in. x 10'	10
U870W20	U870R20	U870B20	3/4 in. x 20'	10
U880W5	U880R5	U880B5	1 in. x 5'	5
U880W10	U880R10	U880B10	1 in. x 10'	5
U880W20	U880R20	U880B20	1 in. x 20'	5
U885W20			1-1/4 in. x 20'	5
U890W20			1-1/2 in. x 20'	5
U895W20			2 in. x 20'	3



Reclaimed Water PEX Pipe

Reclaimed Water PEX Pipe (purple coils)



For use with non-potable water applications and shall not be installed in UV-exposed environments

SharkBite reclaimed water PEX is cross-linked polyethylene pipe for gray water, rainwater harvesting and reclaimed water systems only. Manufactured with a purple color background, the pipe meets color code requirements of national and state code bodies to clearly identify reclaimed water lines. SharkBite reclaimed water PEX is manufactured and available in 1/2 in. to 1 in..

Part number	Size	Qty
U860P100	1/2 in. x 100'	1
U860P300	1/2 in. x 300'	1
U870P100	3/4 in. x 100'	1
U870P300	3/4 in. x 300'	1
U880P100	1 in. x 100'	1
U880P300	1 in. x 300'	1

Oxygen Barrier PEX Pipe

Oxygen Barrier PEX Pipe (orange coils)



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

Part number	Size	Qty
U855O100	3/8 in. x 100'	1
U855O300	3/8 in. x 300'	1
U855O500	3/8 in. x 500'	1
U860O100	1/2 in. x 100'	1
U860O300	1/2 in. x 300'	1
U860O500	1/2 in. x 500'	1
U860O1000	1/2 in. x 1000'	1
U865O300	5/8 in. x 300'	1
U870O100	3/4 in. x 100'	1
U870O300	3/4 in. x 300'	1
U870O500	3/4 in. x 500'	1
U870O1000	3/4 in. x1000'	1
U880O100	1 in. x 100'	1
U880O300	1in. x 300'	1
U880O500	1in. x 500'	1

Oxygen Barrier PEX Pipe (straight lengths)



Part number	Size	Qty
U860O20	1/2 in. x 20'	10
U870O20	3/4 in. x 20'	10
U880O20	1 in. x 20'	5
U880O20	1 in. x 20'	5





LimitedWarranty

SharkBite, Cash Acme, and HoldRite Products

WHAT DOES THIS WARRANTY COVER?

Subject to conditions outlined in this statement, RWC (in the USA, Reliance Worldwide Corporation and in Canada, Reliance Worldwide Corporation (Canada) Inc.) warrants to owners of real property in the United States and Canada that SharkBite and Cash Acme products, when used and installed in accordance with the requirements set forth, shall be free from defects in material and workmanship for the applicable Warranty Period. This Limited Warranty is in effect for installations made after January 1, 2018 and is applicable to products installed in the country in which they were purchased.

Proof of purchase is required to validate the Warranty Period. If proof of purchase is not available, the Warranty Period commencement shall default to the date of manufacture for each product. If the product suspected of a defect does not have a clear date of manufacture on it, a proof of purchase will be required.

WHAT ARE THE CONDITIONS OF THIS WARRANTY?

- All products must be installed in accordance with all then applicable codes, good plumbing practice, in accordance with any local, state, provincial or federal requirements, and installed in a potable water or radiant heating application unless a nonpotable water service is specifically allowed for in the pertinent product literature.
- 2. The installer must use construction techniques compliant with then applicable codes to install the product and use the product within the design parameters specified in any installation guidelines and technical notes for the applicable system. This shall include field pressure testing prior to concealing with concrete or by other means and wrapping any brass fitting when buried. Failure to install RWC products according to manufacturer's installation instruction will void all applicable warranties and may result in severe water damage.
- 3. Products must at all times be used in a manner consistent with their intended use and be used in installations and environments acceptable to their material and design specifications, including not being installed in a system that may operate at temperatures or at pressures that exceed the approved ratings which can be found on the product, packaging or installation instructions.
- 4. Additional product specific conditions of this Limited Warranty and the Warranty Period are documented in the section entitled. How long does the limited warranty coverage last and what other specific conditions exist for each product?
- 5. Without limiting the foregoing, this Limited Warranty does not apply and you do not have a right of reimbursement if the product failure or resulting damage is caused by: (a) evidence of tampering, mishandling, neglect, abuse, accidental damage, freeze damage (it is expressly understood that failure as a result of any freezing fluids within the pipes does not constitute a defect in material or workmanship and shall not be covered by this warranty) or unauthorized modifications or repairs that cause

damage to warranted products; (b) exposure to harmful, unauthorized, or unanticipated chemicals or substances or corrosive water conditions; (c) exposure to ultraviolet light; (d) faulty installation including failure to follow proper burial instructions; (e) damage from abnormal operating conditions including exposure pressures and temperatures beyond the specified operating range; (f) failure to properly test and pass common testing methods (including pressure testing) after the installation and before the product or system is put in service; (g) components not manufactured or sold by RWC; or (h) acts of nature such as earthquakes, fire, flood or lightning.

6. Although RWC provides a plumbing system to facilitate a complete installation, other manufacturers pipe and/or fittings may be installed in any given installation provided manufacturing of the pipe and/or fittings demonstrates compliance with the applicable ASTM/CSA standards, and the product has been certified by a recognized third-party testing agency. The RWC product in the given installation will continue to be covered under this Limited Warranty although limits on Warranty Period may apply. RWC will be responsible only for proven defects in material or workmanship in RWC products. Problems in products manufactured by another company should be reported to that manufacturer.

HOW DO YOU GET SERVICE?

In order to be eligible for service under this Limited Warranty you must return the defective product to RWC for inspection and testing within thirty (30) days after detection of alleged failure or defect occurring within applicable Warranty Period (with shipping charges prepaid) to the original place of purchase. If the alleged defect involves a connection or joint with a RWC product, the fitting must be returned with a section of the pipe still inserted. You must include the model number of the product (if available), the original date of purchase, proof of purchase and the nature of the alleged product failure or defect. Products returned without shipping charges prepaid will be refused. For questions or inquiries, in the U.S. call 1(877)700-4242 and in Canada 1(888)820-0120.

WHAT WILL RWC DO?

If, after inspection, we find that a product covered by this Limited Warranty has failed due to a defect in material or workmanship during the specified Warranty Period, we will repair or replace, at our sole option, free of charge, the defective product during normal working hours and through a place of business as determined by RWC.

Not withstanding anything to the contrary in this Limited Warranty, if RWC determines that any damages to the real property in which a defective product was installed were the direct result of a leak or failure caused by a defect in material or workmanship in any RWC product covered by this Limited Warranty and occurring within the first ten years after date of purchase or during the applicable Warranty Period, whichever is shorter, and if reasonable steps were taken to promptly limit or stop the effects of such leak or failure as soon as it was discovered, then RWC will reimburse the property owner for the reasonable costs of repairing

or replacing such damaged real property to include flooring, drywall and painting and other real property damaged by the leak directly caused by the allegedly defective RWC product when the RWC SharkBite Connection System product was installed by a licensed professional plumbing contractor. Except as specified above or otherwise specifically authorized in writing by RWC, RWC shall not pay for any costs or expenses for transportation, relocation, labor, repairs or any other work associated with removing and/or returning failed or defective products or installing replacement products.

This shall constitute the sole and exclusive remedy for any defective product.

WHAT DOES THIS LIMITED WARRANTY NOT COVER?

RWC shall not be responsible for any other incidental, indirect, contingent, special or consequential damages, including without limitation, economic loss, lost profits or the cost of repairing or replacing other property which is damaged if these warranted products do not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, adverse chemical environments, or any other circumstances over which RWC has no control. This limitation applies even if RWC could have foreseen or has been advised of the possibility of these damages. This Limited Warranty shall be invalidated by any abuse, misuse, misapplication or improper installation of the product. Any remaining warranty coverage may not be assigned or transferred after the period ending ten years following the installation. RWC does not guarantee or in any way warrant the integrity or workmanship of the contractor/installer.

MISCELLANEOUS

Some States/Provinces do not allow limitations on how long an implied warranty lasts, and some States/Provinces do not allow the exclusion or limitation of incidental or consequential damages. Therefore, the above limitations may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights that vary from State/Province to State/Province. You should consult applicable State/Provincial laws to determine your rights.

So far as is consistent with applicable state/provincial/federal law, the express warranty set forth herein is the only warranty given by rwc with respect to the SharkBite® and CashAcme® products and RWC makes no other warranties, expressed or implied, and hereby specifically disclaims all other warranties, expressed or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose.

This Limited Warranty and any claims arising from breach of contract, breach of warranty, tort, or any other claim arising from sale or use of RWC's products shall be governed and construed under the laws of the State of Georgia. No action on the part of RWC under this Limited Warranty shall be construed as an admission of liability of that the product is not fit for its intended use.

How long does the limited warranty coverage last and what other specific conditions exist for each product?

Classification	Product Category	Limited Warranty Period	Conditions
SharkBite	SharkBite Brass and Poly PEX Barb Fittings in conjunction with SharkBite PEX Pipe and SharkBite Rings/Clamps	Twenty-Five (25) Years	Must be used with SharkBite PEX Pipe - ASTM F876/CSAB137.5 SharkBite Copper Crimp Rings – ASTM F1807 or F2159 SharkBite Stainless Steel Clamp Rings – ASTM
Connection Systems	SharkBite EvoPEX Fittings in conjunction with SharkBite PEX Pipe	Twenty-Five (25) Years	Must be used with: • SharkBite PEX Pipe - ASTM F876/CSAB137.5
	SharkBite Universal Push-To-Connect Fittings in conjunction with SharkBite PEX Pipe	Twenty-Five (25) Years	Must be used with: • SharkBite PEX Pipe - ASTM F876/CSA B137.5
	SharkBite Universal Push-To-Connect Fittings and SharkBite Large Diameter Push-To-Connect Fittings in Application with Copper, PEX, CPVC and/or PE-RT	Twenty-Five (25) Years	Must be used with: Copper-ASTM B 88 hard drawn copper tube K, L, and M PEX-ASTM F876/CSA B137.5 CPVC-ASTM D2846 or CSA B137.6
	SharkBite Universal Push-To-Connect Fittings and SharkBite Large Diameter Push-To-Connect Fittings in	Five (5) Years	• HDPE SDR-9 AS I M D2/3/
	SharkBite Accessories (Ball Valves, Supply Hoses, Supply Stops, Supply Valve Box Systems, Kits, Copper Manifolds, etc.)	Two (2) Years	Must be installed per installation instructions with the pipes below: Copper—ASTM B 88 hard drawn copper tube K, L, and M PEX—ASTM F876/CSA B137.5 CPVC—ASTM D2846 or CSA B137.6 PE-RT—ASTM E2769
	SharkBite ProLock	Twenty-Five (25) Years	Must be used with: • SharkBite PEX – ASTM F876/CSA B137.5 • SharkBite PE-RT – ASTM F2769
	SharkBite Poly PEX Barb Fittings	Five (5) Years	When used with Non-SharkBite PEX Pipe that conform to ASTM F876 CSA B137.5, PE-RT that conform ASTM F2769, and Clamp/Rings ASTM F2159
	SharkBite Brass PEX Barb Fittings/ Copper Manifold	Five (5) Years	When used with Non-SharkBite PEX Pipe that conform to ASTM F876/CSA B137.5, that conform ASTM F2769 and Clamp/Rings – ASTM F1807
	SharkBite EvoPEX Fittings	Five (5) Years	When used on Non-SharkBite PEX Pipe that conform to: • ASTM F876/CSA B137.5
SharkBite, Cash Acme, HoldRite, and	SharkBite PEX Pipe	Twenty-Five (25) Years	When used with Fitting and Clamps/Rings that conform to: • ASSE 1061, ASTM F1807, ASTM F2098, and/or ASTM F2159 Fittings
John Guest Products	SharkBite PE-RT Pipe	Twenty-Five (25) Years	When used with Fitting and Clamps/Rings that conform to: • ASSE 1061, ASTM F1807, ASTM F2098, and/or ASTM F2159 Fittings
	SharkBite Home Run Manifolds	Ten (10) Years	Must be installed per installation instructions
	SharkBite Tools	One (1) Year	From date of purchase
	SharkBite and Cash Acme Thermostatic Mixing Valves	Five (5) Years	Must be installed per installation instructions
	Other SharkBite and Cash Acme Valves	Two (2) Years	Must be installed per installation instructions
	John Guest Black Click-to-Lock CTS Fittings	Twenty-Five (25) Years	Must be used with: Copper—ASTM B 88 hard drawn copper tube K, L, and M PEX—ASTM F876/CSA B137.5 CPVC—ASTM D2846 or CSA B137.6
	John Guest Speedfit Twist & Lock CTS Fittings	Twenty-Five (25) Years	Must be used with: Copper—ASTM B 88 hard drawn copper tube K, L, and M PEX—ASTM F876/CSA B137.5
	John Guest Fluid System OD Fittings	One (1) Years	Must be used with Polyethylene, Nylon, PEX, or Soft Copper (must be round and in good condition)
	SharkBite Quick-Connect POM Plastic Fittings	One (1) Years	Must be used with Polyethylene, Nylon, PEX, or Soft Copper (must be round and in good condition)
	HoldRite Products	One (1) Years	Must be installed per installation instructions
	HoldRite QuickBrand Products	One (1) Years	Must be installed per installation instructions
	HoldRite Testrite	One (1) Years	Must be installed per installation instructions
	HoldRite HydroFlame Pro	Two (2) Years	Must be installed per installation instructions



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U860B100	60	U880B300	60	UC020LF	46	UC529LF	49	UP016	50	UXL115450M	12
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Certifications
The most up to date certifications can be found at sharkbite.com/downloads.
2021-4

