

AN RWC BRAND
RWC

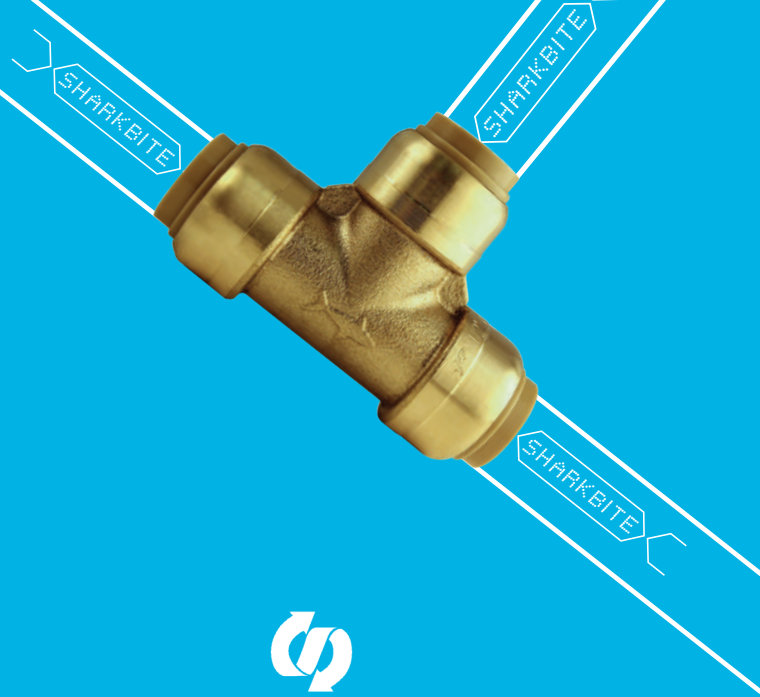
Product
Catalog



 **SharkBite[®]**
Catalog

SHARKBITE

THE MARK OF QUALITY



LEAD-FREE/SAFETY*

All SharkBite® fittings are made of Lead Free DZR brass and exceed ASSE 1061 Section IV, 4.1 Materials-Dezincification (DZR)-ISO 6509 standards.

*Reference Page 26 for additional information.



VERSATILE

SharkBite fittings have the versatility to transition from Copper, PEX, CPVC, PE-RT, HDPE, Polybutylene and PVC.



PROVEN AND GUARANTEED

SharkBite's quality and performance is field-proven with more than 550 million connections. SharkBite owns the entire manufacturing process, from raw brass to finished product, making SharkBite the only push-to-connect brand that can ensure a clean, leak-free connection.



NO TOOLS

No glue, solder, clamps or unions required when using SharkBite fittings, providing a quick and efficient application that saves installers time, labor, and money.



FLEXIBILITY

SharkBite fittings can be rotated even after assembly allowing for easier installation in tight places.



BEHIND-THE-WALL

SharkBite fittings are approved to be used underground and behind walls without access panels.

CERTIFICATIONS

- Fittings are certified to 200 °F (93 °C) max and 200 psi max
- Design certified to NSF/ANSI 61 and ASSE 1061 product standard for use in potable water and hydronic heating water distribution



REDEFINING EFFICIENCY

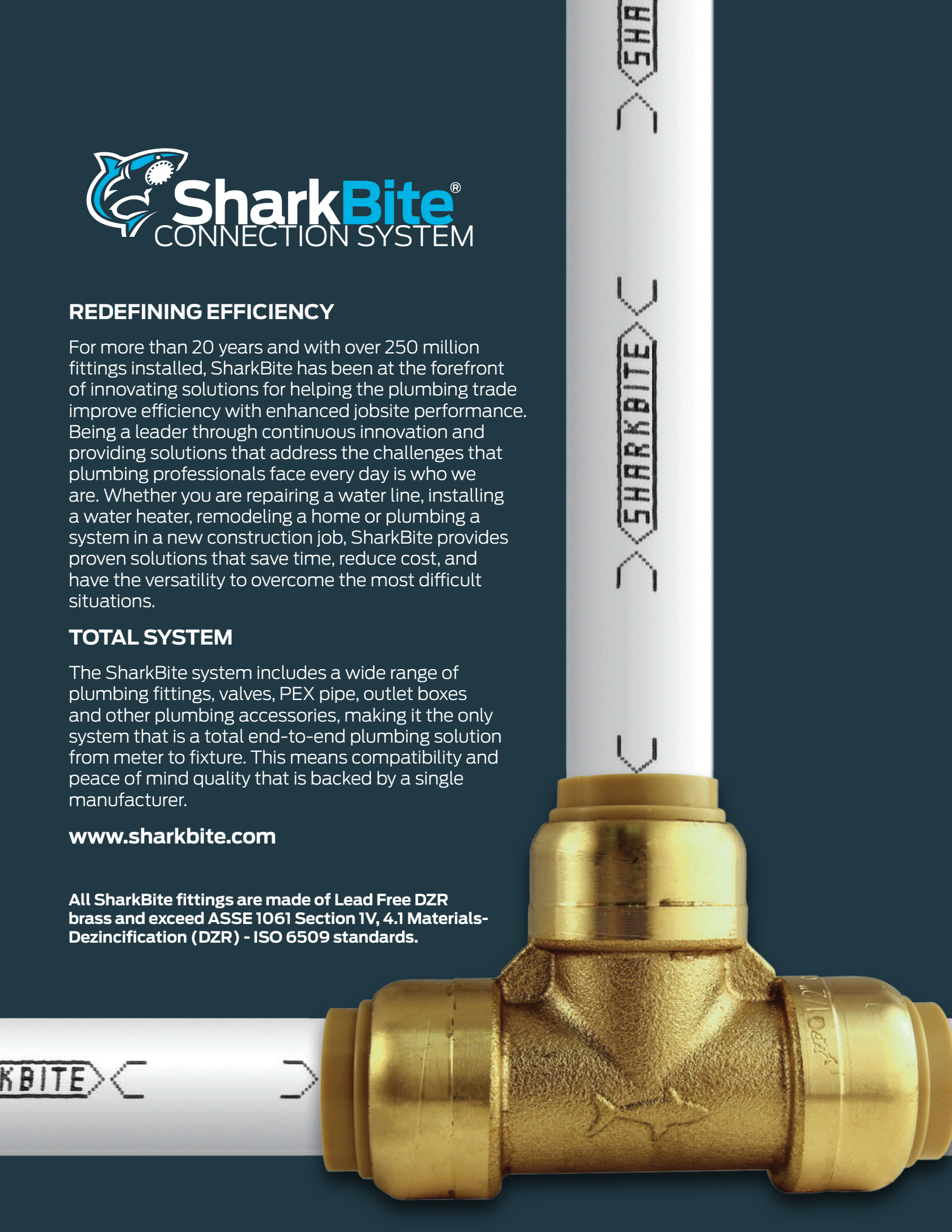
For more than 20 years and with over 250 million fittings installed, SharkBite has been at the forefront of innovating solutions for helping the plumbing trade improve efficiency with enhanced jobsite performance. Being a leader through continuous innovation and providing solutions that address the challenges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

TOTAL SYSTEM

The SharkBite system includes a wide range of plumbing fittings, valves, PEX pipe, outlet boxes and other plumbing accessories, making it the only system that is a total end-to-end plumbing solution from meter to fixture. This means compatibility and peace of mind quality that is backed by a single manufacturer.

www.sharkbite.com

All SharkBite fittings are made of Lead Free DZR brass and exceed ASSE 1061 Section IV, 4.1 Materials-Dezincification (DZR) - ISO 6509 standards.





PRODUCT DESCRIPTION		PART NUMBER	QTY/BAG
1/2" X 3/4" FNPT Reducing		U068LF	6
3/4" X 1/2" FNPT Bullnose		U092LF	6
3/4" X 3/4" FNPT Straight		U088LF	6
1" X 1" FNPT Straight		U094LF	6
LARGE DIAMETER	1-1/4" X 1-1/4" FNPT (For PEX applications, stiffeners are sold separately)	UXL113532F	1
	1-1/2" X 1-1/2" FNPT (For PEX applications, stiffeners are sold separately)	UXL114140F	1
	2" X 2" FNPT (For PEX applications, stiffeners are sold separately)	UXL115450F	1
MALE CONNECTORS			
1/4" X 1/2" MNPT Reducing		U110LF	6
3/8" (1/2" OD) X 1/2" MNPT Reducing		U118LF	6
1/2" X 1/2" MNPT Straight		U120LF	12
1/2" X 3/4" MNPT Reducing		U116LF	6
3/4" X 1/2" MNPT Bullnose		U138LF	12
3/4" X 3/4" MNPT Straight		U134LF	12
3/4" X 1" MNPT Straight		U139LF	6
1" X 3/4" MNPT Reducing		U142LF	6
1" X 1" MNPT Straight		U140LF	6
LARGE DIAMETER	1-1/4" X 1-1/4" MNPT (For PEX applications, stiffeners are sold separately)	UXL113532M	1
	1-1/2" X 1-1/2" MNPT (For PEX applications, stiffeners are sold separately)	UXL114140M	1
	2" X 2" MNPT (For PEX applications, stiffeners are sold separately)	UXL115450M	1
SLIP MALE CONNECTORS			
1/2" x 1/2" MNPT		U3120LF	6
3/4" x 3/4" MNPT		U3134LF	6
1" x 1" MNPT		U3140LF	6
THREADED ADAPTERS			
3/4" CTS X 3/4" FNPT Threaded (CTS end inserts into any 3/4" SB fitting)		U766LF	6
1" CTS X 1" FNPT Threaded (CTS end inserts into any 1" SB fitting)		U772LF	6
90° ELBOWS			
1/4" (3/8" OD) X 1/4" (3/8" OD)		U244LF	6
3/8" (1/2" OD) X 3/8" (1/2" OD)		U246LF	6
1/2" X 1/2"		U248LF	12
3/4" X 3/4"		U256LF	6
1" X 1"		U260LF	6
LARGE DIAMETER	1-1/4" X 1-1/4" (For PEX applications, stiffeners are sold separately)	UXL0235	1
	1-1/2" X 1-1/2" (For PEX applications, stiffeners are sold separately)	UXL0241	1
	2" X 2" (For PEX applications, stiffeners are sold separately)	UXL0254	1
90° STREET ELBOWS			
LARGE DIAMETER	1-1/4" x 1-1/4"	UXL0935	1
	1-1/2" x 1-1/2"	UXL0941	1
	2" x 2"	UXL0954	1
45° ELBOWS			
1/2" x 1/2"		U648LF	12
3/4" x 3/4"		U656LF	6
1" x 1"		U660LF	12

SHARKBITE

PUSH-TO-CONNECT FITTINGS

- The SharkBite push-to-connect range is made from Lead Free DZR brass and all products were converted as of October 2012.
- The standard material versions of SharkBite push-to-connect fittings are no longer in production, but we do continue to offer a small range of 5/8" fittings in standard material, specifically intended for radiant heating applications. As a running change, these fittings will be converted to Lead Free in due course.
- Our SharkBite 2XL large Diameter fittings have been Lead Free since their introduction in February 2011.

SHARKBITE

PEX/BARB FITTINGS

- Our PEX/barb range is made from Lead Free DZR brass and all products were converted as of October 2012.
- We have also implemented an extended range of engineered polymer barb fittings.

LEAD FREE*



As of January 2014 a new Federal law came into effect that introduced a similar requirement across the whole country.

More information is available on our websites at:
www.cashacme.com
www.sharkbite.com

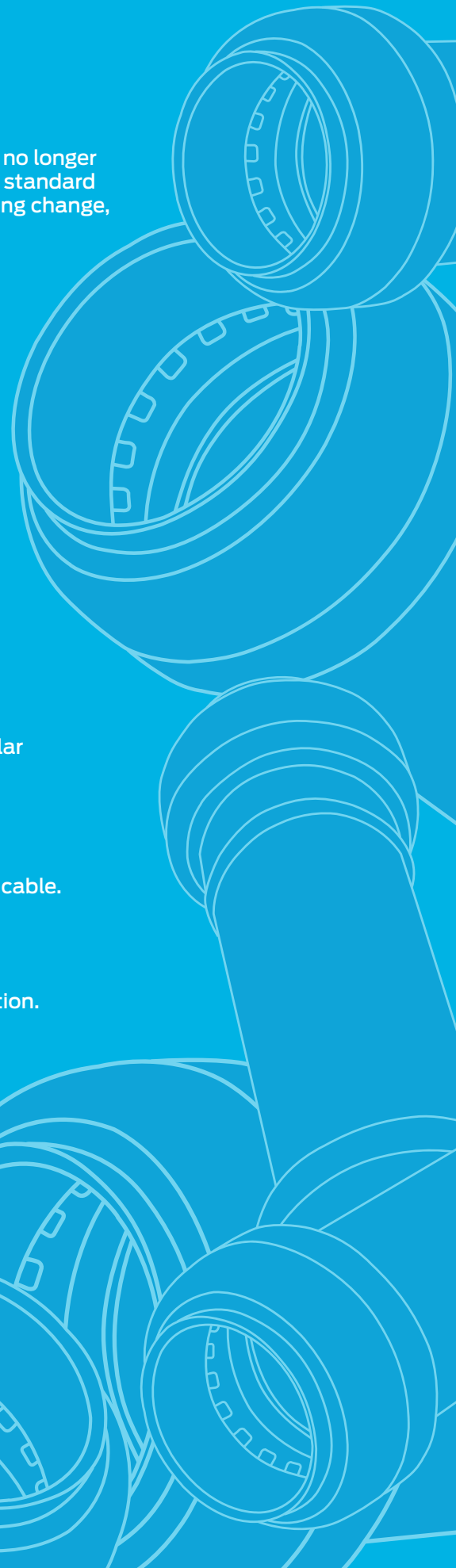
In this document, products are marked "Lead Free" or "Non-Potable" as applicable.

- "Lead Free" indicates that a product is suitable for use in an application that is anticipated or intended to deliver water for human consumption.
- "Non-Potable" designates that a product is only suitable for applications that are not anticipated or intended to deliver water for human consumption.

If a product is not marked "Lead Free" or "Non-Potable" it is either:

- Not designed to come into contact with water (e.g. tools, crimp rings, pipe hangers), or
- It is a replacement part or component for a valve or piece of Original Equipment, where it is necessary for the function of that valve or equipment to use the identical specification component with which it was originally designed and certified.

* A device is defined as Lead Free if its wetted surface has a weighted average lead content not exceeding 0.25%.



LIMITED WARRANTY

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?

1. 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 non-potable 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.

Notwithstanding 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 CASH ACME® 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	COMMENTS
SharkBite Connection Systems	SharkBite Brass and Poly PEX Barb Fittings in conjunction with SharkBite PEX Pipe and SharkBite Rings/Clamps	Twenty-Five (25) Years	<ul style="list-style-type: none"> SharkBite PEX Pipe Only - ASTM F876/CSA B137.5 SharkBite Copper Crimp Rings – ASTM F1807 or F2159 Stainless Steel Clamp Rings – ASTM F2098
	SharkBite EvoPEX Fittings in conjunction with SharkBite PEX Pipe	Twenty-Five (25) Years	<ul style="list-style-type: none"> SharkBite PEX Pipe Only - ASTM F876/CSA B137.5
	SharkBite Universal Push-To-Connect Fittings in conjunction with SharkBite PEX Pipe	Twenty-Five (25) Years	<ul style="list-style-type: none"> SharkBite PEX Pipe Only - ASTM F876/CSA B137.5
SharkBite, Cash Acme, and HOLDRITE Products	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: <ul style="list-style-type: none"> 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 F2769
	SharkBite Universal Push-To-Connect Fittings and SharkBite Large Diameter Push-To-Connect Fittings in Application with HDPE	Five (5) Years	Must be used with: <ul style="list-style-type: none"> HDPE SDR-9 ASTM D2737
	SharkBite PEX Pipe	Twenty-Five (25) Years	If used with: <ul style="list-style-type: none"> ASSE 1061, ASTM F1807, ASTM F2098, and/or ASTM F2159 Fittings
	SharkBite Brass PEX Barb Fittings/ Copper Manifold	Five (5) Years	If used with PEX Pipe and Clamps/Rings that conform to: <ul style="list-style-type: none"> PEX – ASTM F876/CSA B137.5 Copper Crimp Rings – ASTM F1807 Stainless Steel Clamp Rings – ASTM F2098
	SharkBite Poly PEX Barb Fittings	Five (5) Years	Must be used with Non-SharkBite PEX Pipe and Clamps/Rings that conform to: <ul style="list-style-type: none"> PEX – ASTM F876/CSA B137.5 Copper Crimp Rings – ASTM F2159 Stainless Steel Clamp Rings – ASTM F2098
	SharkBite EvoPEX Fittings	Five (5) Years	Must be used on Non-SharkBite PEX Pipe that conform to ASTM F876/CSA B137.5
	SharkBite Home Run Manifolds	Ten (10) Years	Must be installed per installation instructions
	SharkBite Tools	One (1) Year	From date of purchase; used in accordance with instructions
	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
	SharkBite Accessories (Ball Valves, Supply Hoses, Supply Stops, Supply Valve Box Systems, Kits, Manifolds, etc.)	Two (2) Years	Must be installed per installation instructions
	SharkBite Quick-Connect POM Plastic Fittings	One (1) Years	Must be used with: Polyethylene, Nylon, PEX, and Soft Copper (must be round and in good condition)
	HOLDRITE Pipe Support Products	One (1) Years	Must be installed per installation instructions
	HOLDRITE Testrte	One (1) Years	Must be installed per installation instructions
HOLDRITE Hydroflame Pro	One (1) Years	Must be installed per installation instructions	



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sharkbite.com

Manufactured and Distributed by Reliance Worldwide Corporation



Certifications

The SharkBite push-to-connect fittings have been certified and listed to ASSE 1061 and NSF/ANSI 61. The SharkBite push-to-connect fittings are listed by IAPMO and are certified for potable and hydronic heating water distribution (Note: Glycol mixture for hydronics is acceptable up to and including 100%). The SharkBite push-to-connect fittings have been certified for underground applications and as a manufactured joint without access panels and they meet UPC, IPC and cUPC requirements. Any SharkBite fitting listed as Lead Free is compliant with NSF/ANSI 372. Please consult with local plumbing codes concerning specific applications.

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

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

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