



BarbLock®

Ultra-Secure Tubing Retainers

Replace inconsistent and leak-prone cable ties and traditional clamps

When it comes to retaining flexible tubing and hose onto barbed fittings, the BarbLock® retainer is the most advanced product currently available. BarbLock is the only retainer with a full 360° radial crimp behind the barb and 360° of compression directly over the barb's ridge, a design that solves inherent leak path problems in demanding fluid transfer applications.

BarbLock retainers are constructed from high-performance polypropylene and PVDF resins that are compliant with USP Class VI requirements. They require no adhesives or solvents — making them particularly well suited to systems that handle sensitive liquids and gases.

Leak-free Connections

The system is quick and easy to assemble. BarbLock retainers are fully compatible with Pure-Fit® SIB® fittings and provide complete 360° compression for leak-free connections.

Sterilization Methods

PP (polypropylene) and PVDF (polyvinylidene fluoride) BarbLocks are gamma stable.

Features/Benefits

- Compatible with all flexible tubing materials
- Full 360° radial crimp behind the barb
- 360° compression directly on the barb's ridge
- Eliminates solvent bonding, ultraviolet bonding and toxic adhesives
- Manufactured from resins that are compliant with USP Class VI requirements
- Custom color and identification options available
- Quick and easy to assemble

Typical Applications

- Biopharmaceutical transport systems
- Flexible tubing and hose retainers
- Disposable assemblies
- Dialysis equipment
- IV assemblies

Types of BarbLock® Tubing Retainers



Standard two-piece retainer

The standard BarbLock® retainer is a two-piece unit consisting of a sleeve and collet.



AL series one-piece retainer

The AL series retainer combines the sleeve and collet into a single unit, eliminating one assembly step while potentially reducing assembly errors.

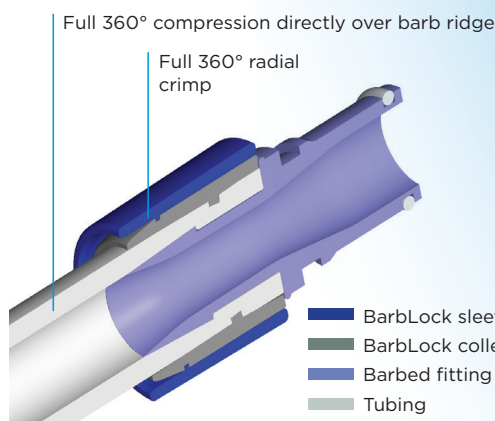
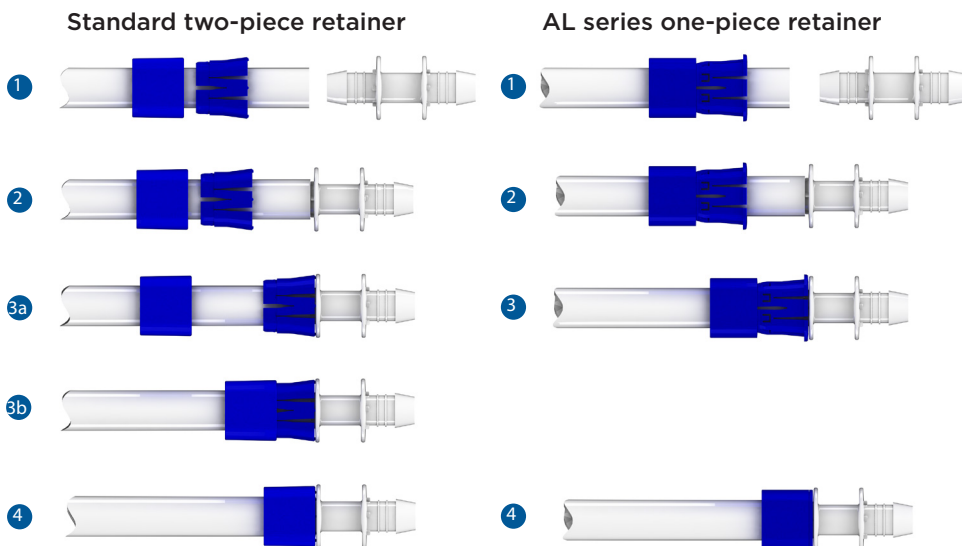
How BarbLock® Works

- Standard:** Load sleeve and collet, leading with ends marked "Top"
AL Series: Load one piece retainer leading with collet end of unit

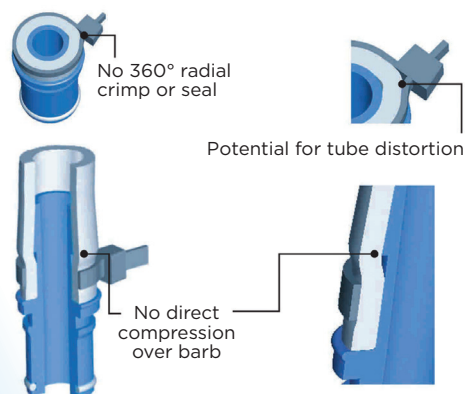
- Install barbed Pure-Fit SIB fitting

- Standard:** a.) Move collet to base of tube b.) Lower sleeve over collet to pre-locked position
AL Series: Move one-piece retainer to pre-locked position

- Lock assembly with BarbLock tool



BarbLock
VS.
Cable Tie



BarbLock Tubing Retainer Typical Physical Properties

Property	Polypropylene	PVDF
Tensile Strength psi (MPa) ASTM D638-91	4750 (32.8)	6,300 (43.3)
Flexible Modulus, psi (MPa) ASTM D790-92	153,000 (1050)	290,000 (2,000.0)
Hardness (Shore D)	93 (ASTM D785)	78 (ASTM D648)
Heat Deflection ASTM D648-82 °F (°C) @66psi	167 (75.1)	266 (130)
°F (°C) @264psi	-	221 (105)
Water Absorption (%) ASTM D570-81	0.01	0.03

BarbLock® and Tools Part List

TUBING OD	TUBING ID (REF.)	PP PART NUMBER	PVDF PART NUMBER	BARBLOCK JAWS (Add -360 for 360 Jaws)	HH PAD JAW SET	HAND TOOLS	PLASTIC TOOLS	REMOVAL TOOLS
0.156	0.062	BL135040AL ¹	BL135040ALPVDF ¹	BLTJAW062	N/A	BLT135062	BLTP135062	BLTURT
0.156	0.062	BL135045AL	BL135045ALPVDF	BLTJAW062	N/A	BLT135062	BLTP135062	BLTURT
0.187	0.062	BL135062AL	BL135062ALPVDF	BLTJAW062	N/A	BLT135062	BLTP135062	BLTURT
0.187	0.062	PF135062PPAF-AL ²	PF135062PVDF-AL ²	PFTJAW062	N/A	PFT135062	N/A	BLTURT
0.218	0.094	BL135093AL	BL135093ALPVDF	BLTJAW062	N/A	BLT135062	BLTP135062	BLTURT
0.250	0.125	BL135110AL ³	BL135110ALPVDF ³	BLTJAW125	N/A	BLT135125	BLTP135125	BLTURT
0.250	0.125	BL135125	BL135125PVDF	BLTJAW125	N/A	BLT135125	BLTP135125	BLTURT
0.250	0.125	BL135125AL	BL135125ALPVDF	BLTJAW125	N/A	BLT135125	BLTP135125	BLTURT
0.250	0.125	PF135125PPAF-AL ⁴	PF135125PVDF-AL ⁴	PFTJAW125	BLTJAW001	PFT135125	N/A	BLTURT
0.250	0.125	BL135186AL ⁵	BL135186ALPVDF ⁵	BLTJAW187	BLTJAW001	BLT135187	BLTP135187	BLTURT
0.312	0.187	BL135187	BL135187PVDF	BLTJAW187	BLTJAW001	BLT135187	BLTP135187	BLTURT
0.312	0.187	BL135187AL	BL135187ALPVDF	BLTJAW187	BLTJAW001	BLT135187	BLTP135187	BLTURT
0.312	0.187	PF135187PPAF-AL ⁶	PF135187PVDF-AL ⁶	PFTJAW187	BLTJAW002	PFT135187	N/A	BLTURT
0.375	0.250	PF135250PPAF ⁷	PF135250PVDF ⁷	BLTJAW250	BLTJAW003	BLT135250	N/A	BLTURT
0.375	0.250	BL135250	BL135250PVDF	BLTJAW250	BLTJAW002	BLT135250	N/A	BLTURT
0.375	0.250	BL135250AL	BL135250ALPVDF	BLTJAW250	BLTJAW002	BLT135250	N/A	BLTURT
0.375	0.250	BL135253ALHC	BL135253ALHCPVDF	BLTJAW250	BLTJAW003	BLT135250	N/A	BLTURT
0.375	0.250	BL135254ALLRR ⁸	BL135254ALLRRPVDF ⁸	BLTJAW250	BLTJAW002	BLT135250	N/A	BLTURT
0.437	0.250	BL135251	BL135251PVDF	BLTJAW250	BLTJAW004	BLT135250	N/A	BLTURT
0.437	0.250	BL135251AL	BL135251ALPVDF	BLTJAW252	BLTJAW002	BLT135252	N/A	BLTURT
0.500	0.250	BL135252	BL135252PVDF	BLTJAW252	BLTJAW005	BLT135252	N/A	BLTURT
0.500	0.250	BL135252AL	BL135252ALPVDF	BLTJAW252	BLTJAW005	BLT135252	N/A	BLTURT
0.500	0.375	BL135373AL	BL135373ALPVDF	BLTJAW375	BLTJAW007	BLT135375	N/A	BLTURT
0.562	0.312	PF135312PPAF-AL ⁹	PF135312PVDF-AL ⁹	PFTJAW312	BLTJAW006	PFT135312	N/A	BLTURT
0.562	0.375	BL135374	BL135374PVDF	BLTJAW375	BLTJAW007	BLT135375	N/A	BLTURT
0.625	0.375	PF135375PPAF ¹⁰	PF135375PVDF ¹⁰	BLTJAW375	BLTJAW007	BLT135375	N/A	BLTURT
0.625	0.375	BL135375	BL135375PVDF	BLTJAW375	BLTJAW007	BLT135375	N/A	BLTURT
0.625	0.375	BL135375AL	BL135375ALPVDF	BLTJAW375	BLTJAW007	BLT135375	N/A	BLTURT
0.625	0.375	BL135377ALLRR ⁸	BL135377ALLRRPVDF ⁸	BLTJAW375	BLTJAW007	BLT135375	N/A	BLTURT
0.625	0.375	BL135505AL ¹³	BL135505ALPVDF ¹³	BLTJAW500	BLTJAW007	BLT135500	N/A	BLTURT
0.687	0.375	BL135376	BL135376PVDF	BLTJAW375	BLTJAW007	BLT135375	N/A	BLTURT
0.750	0.500	BL135500	BL135500PVDF	BLTJAW500	BLTJAW008	BLT135500	N/A	BLTURT
0.750	0.500	BL135500AL	BL135500ALPVDF	BLTJAW500	BLTJAW008	BLT135500	N/A	BLTURT
0.750	0.500	PF135500PPAF ⁹	PF135500PVDF ⁹	BLTJAW500	BLTJAW008	BLT135500	N/A	BLTURT
0.750	0.500	BL135502 ¹¹	BL135502PVDF ¹¹	BLTJAW500	BLTJAW008	BLT135500	N/A	BLTURT
0.750	0.500	BL135503 ¹²	BL135503PVDF ¹²	BLTJAW500	BLTJAW008	BLT135500	N/A	BLTURT
0.750	0.500	BL135506ALLRR ⁸	BL135506ALLRRPVDF ⁸	BLTJAW500	BLTJAW008	BLT135500	N/A	BLTURT
0.800	0.500	BL135501 ¹⁰	BL135501PVDF ¹⁰	BLTJAW500	BLTJAW008	BLT135500	N/A	BLTURT
0.800	0.500	BL135501AL ¹⁰	BL135501ALPVDF ¹⁰	BLTJAW500	BLTJAW008	BLT135500	N/A	BLTURT
0.825	0.625	BL135624AL	BL135624ALPVDF	BLTJAW625	N/A	BLT135625	N/A	BLTURT-II
0.875	0.625	BL135625AL	BL135625ALPVDF	BLTJAW625	N/A	BLT135625	N/A	BLTURT-II
1.062	0.750	BL135752AL	BL135752ALPVDF	BLTJAW750	N/A	N/A	N/A	BLTURT-II
1.250	0.750	PF135750PPAF-AL ¹⁴	PF135750PVDF-AL ¹⁴	BLTJAW750	N/A	N/A	N/A	BLTURT-II
1.125-1.250	0.750	BL135750AL	BL135750ALPVDF	BLTJAW750	N/A	N/A	N/A	BLTURT-II
1.125	0.750	BL135751AL	BL135751ALPVDF	BLTJAW750	N/A	N/A	N/A	BLTURT-II
1.250-1.375	1.000	BL1351.10AL	BL1351.10ALPVDF	BLTJAW1000	N/A	N/A	N/A	BLTURT-II
1.375-1.500	1.000	BL1351.00AL	BL1351.00ALPVDF	BLTJAW1000	N/A	N/A	N/A	BLTURT-II

¹ Value Plastics 1/16" Barb

² Retainer for 1/16" Pure-Fit SIB Barb

³ Value Plastics 1/8" Barb

⁴ Retainer for 1/8" Pure-Fit SIB Barb

⁵ Pure-Fit 125 Series Fittings

⁶ Retainer for 3/16" Pure-Fit SIB Barb

⁷ Retainer for 1/4" Pure-Fit SIB Barb

⁸ For CPC and PendoTech Fittings

⁹ Retainer for 5/16" Pure-Fit SIB Barb

¹⁰ Retainer for 3/8" Pure-Fit SIB Barb

¹¹ For Lay-Flat Hose

¹² For Compression on Barbless Fittings

¹³ For Use with 3/8" x 5/8" Tubing on a 9/16" Barb

¹⁴ Retainer for 3/4" Pure-Fit SIB Barb

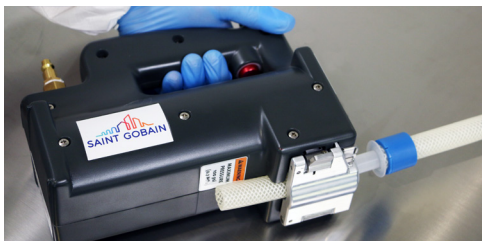
BarbLock® Tool List



BarbLock Hand Tools for low volume assembly jobs

- PVDF and steel hand assembly tools*
- Steel removal tools*

* Tools shown may also have black finish instead of red.



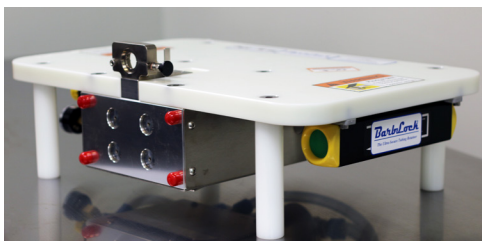
BarbLock HH PAD Tool for ultimate assembly flexibility

- Quick change jaw design eliminates tools for jaw changeover
- Lightweight design allows for mobility and multiple position configurations
- Compressed air required
- Compatible with BarbLock and Pure-Fit SIB retainers and connectors



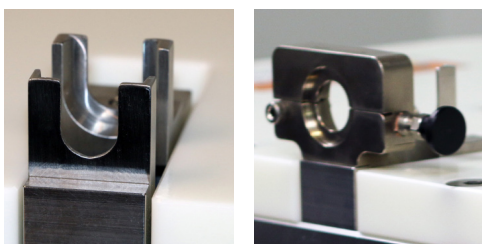
BarbLock PAD tool for additional assembly flexibility

- Compatible with standard jaw sets
- Compressed air required



BarbLock Tabletop Tools for large BarbLock sizes and high volume assembly

- Installs BarbLock sizes up to 1"
- Compatible with both standard and 360° jaw sets (see below)
- Available as both a standard tabletop and walkup tabletop (shown with 360° jaw sets)
- Compressed air required



BarbLock Jaw Sets for Tabletop Tools

- Stainless steel construction
- Available in both standard (left) and 360° (right) design versions

BarbLock®, Pure-Fit® and SIB® are registered trademarks.

Uncontrolled Document - for the controlled version of this document please visit www.biopharm.saint-gobain.com

Contact us today for:

Consultations • Samples • Quotes • Orders

Distributed By:



01235 750 690

info@biopharmadynamics.com

www.biopharmadynamics.co.uk

IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain Life Sciences products for all intended uses and that the materials to be used comply with all applicable medical regulatory requirements. Saint-Gobain Life Sciences assumes no responsibility for any product failures that occur due to misuse of the materials it provides arising out of the design, fabrication or application of the products into which the materials are incorporated.

WARRANTY: Except for products which have a specific written warranty, Saint-Gobain Life Sciences products are sold without any guaranty and/or warranty. The only obligation under any applicable product warranty will be to replace any portion proving defective, or at our option, to refund the purchase price thereof. SAINT-GOBAIN LIFE SCIENCES DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.