

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.

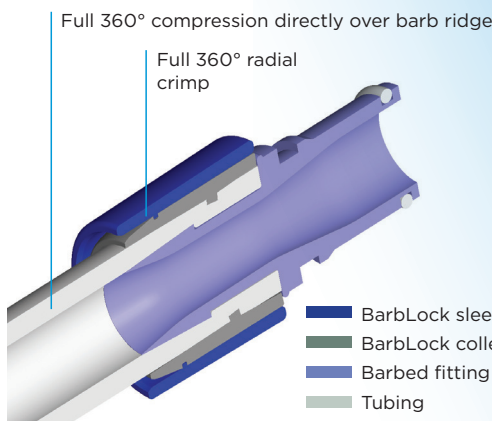
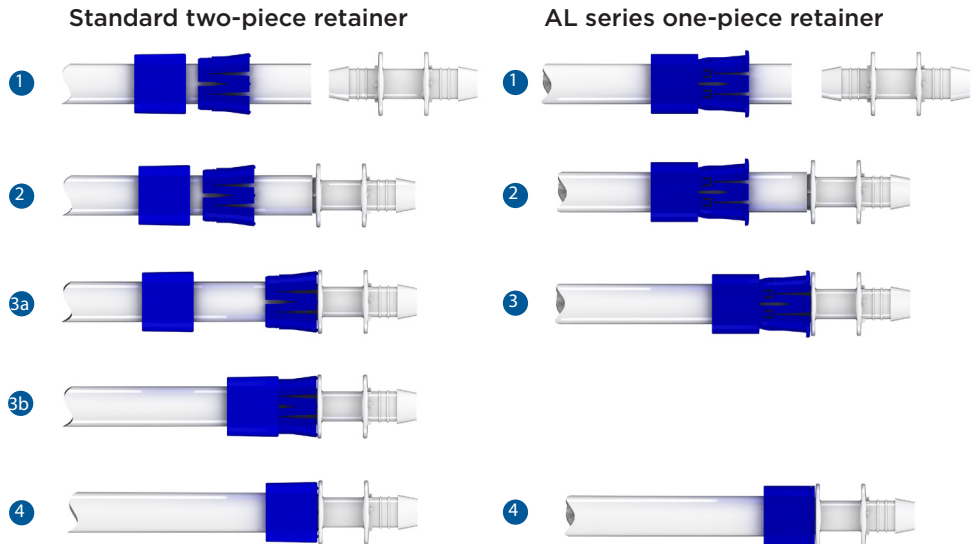


AL series one-piece retainer

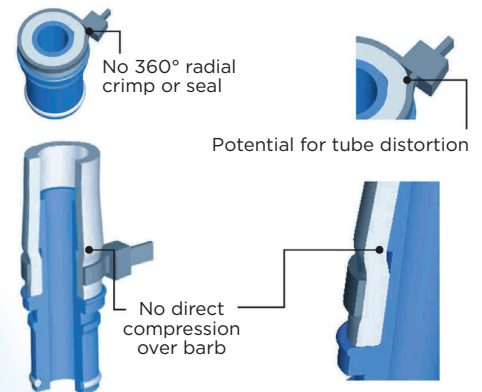
The AL series retainer combines the sleeve and collet into a single unit, eliminating one assembly step while potentially reducing assembly errors.

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

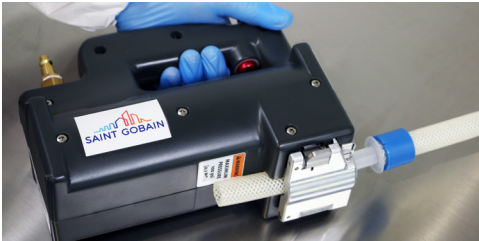
BarbLock® Tool List



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.



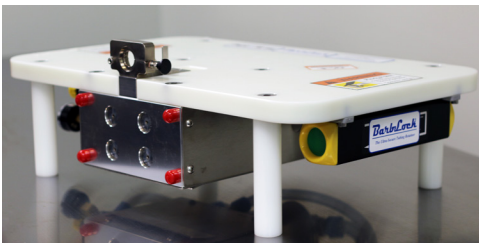
BarbLock HH PAD Tool for ultimate assembly flexibility

- 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



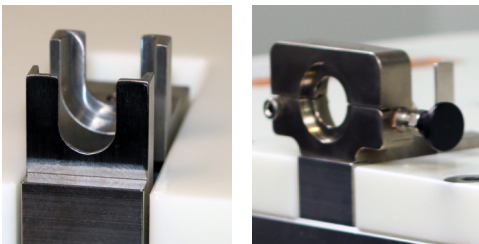
BarbLock PAD tool for additional assembly flexibility

- 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

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