

# 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.

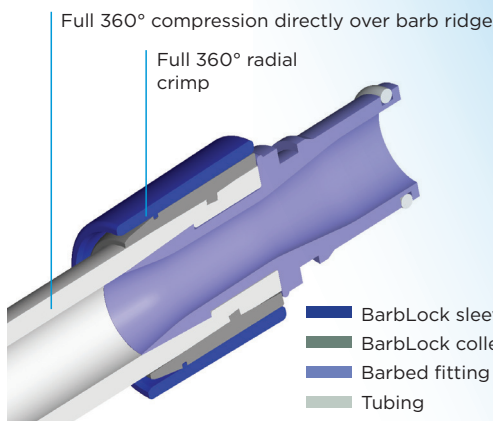
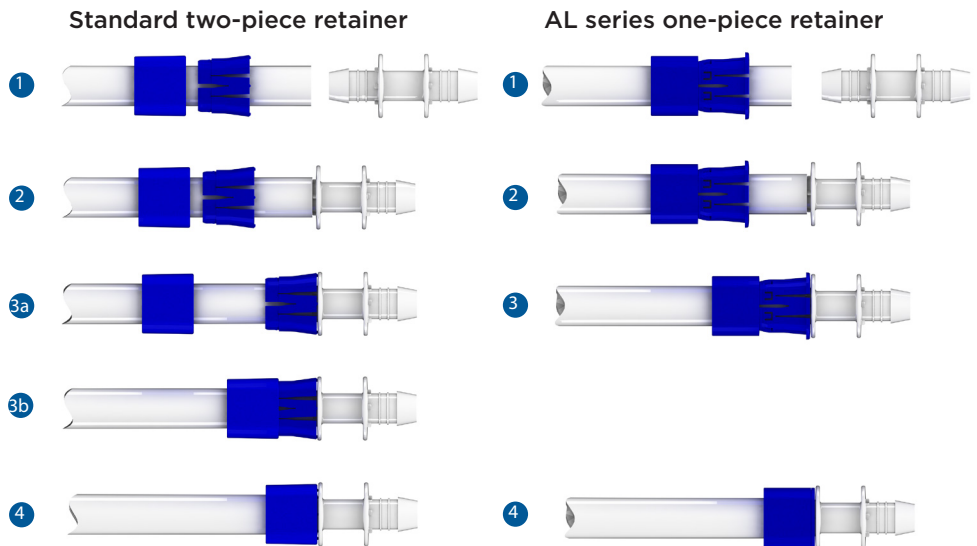


### AL series one-piece retainer

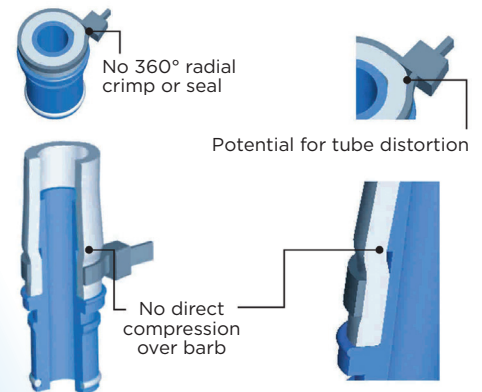
The AL series retainer combines the sleeve and collet into a single unit, eliminating one assembly step while potentially reducing assembly errors.

## 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 <sup>1</sup>	BL135040ALPVDF <sup>1</sup>	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 <sup>2</sup>	PF135062PVDF-AL <sup>2</sup>	PFTJAW062	N/A	PFT135062	N/A	BLTURT
0.218	0.094	BL135093AL	BL135093ALPVDF	BLTJAW062	N/A	BLT135062	BLTP135062	BLTURT
0.250	0.125	BL135110AL <sup>3</sup>	BL135110ALPVDF <sup>3</sup>	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 <sup>4</sup>	PF135125PVDF-AL <sup>4</sup>	PFTJAW125	BLTJAW001	PFT135125	N/A	BLTURT
0.250	0.125	BL135186AL <sup>5</sup>	BL135186ALPVDF <sup>5</sup>	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 <sup>6</sup>	PF135187PVDF-AL <sup>6</sup>	PFTJAW187	BLTJAW002	PFT135187	N/A	BLTURT
0.375	0.250	PF135250PPAF <sup>7</sup>	PF135250PVDF <sup>7</sup>	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 <sup>8</sup>	BL135254ALLRRPVDF <sup>8</sup>	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 <sup>9</sup>	PF135312PVDF-AL <sup>9</sup>	PFTJAW312	BLTJAW006	PFT135312	N/A	BLTURT
0.562	0.375	BL135374	BL135374PVDF	BLTJAW375	BLTJAW007	BLT135375	N/A	BLTURT
0.625	0.375	PF135375PPAF <sup>10</sup>	PF135375PVDF <sup>10</sup>	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 <sup>8</sup>	BL135377ALLRRPVDF <sup>8</sup>	BLTJAW375	BLTJAW007	BLT135375	N/A	BLTURT
0.625	0.375	BL135505AL <sup>13</sup>	BL135505ALPVDF <sup>13</sup>	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 <sup>9</sup>	PF135500PVDF <sup>9</sup>	BLTJAW500	BLTJAW008	BLT135500	N/A	BLTURT
0.750	0.500	BL135502 <sup>11</sup>	BL135502PVDF <sup>11</sup>	BLTJAW500	BLTJAW008	BLT135500	N/A	BLTURT
0.750	0.500	BL135503 <sup>12</sup>	BL135503PVDF <sup>12</sup>	BLTJAW500	BLTJAW008	BLT135500	N/A	BLTURT
0.750	0.500	BL135506ALLRR <sup>8</sup>	BL135506ALLRRPVDF <sup>8</sup>	BLTJAW500	BLTJAW008	BLT135500	N/A	BLTURT
0.800	0.500	BL135501 <sup>10</sup>	BL135501PVDF <sup>10</sup>	BLTJAW500	BLTJAW008	BLT135500	N/A	BLTURT
0.800	0.500	BL135501AL <sup>10</sup>	BL135501ALPVDF <sup>10</sup>	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 <sup>14</sup>	PF135750PVDF-AL <sup>14</sup>	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

<sup>1</sup> Value Plastics 1/16" Barb

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

<sup>3</sup> Value Plastics 1/8" Barb

<sup>4</sup> Retainer for 1/8" Pure-Fit SIB Barb

<sup>5</sup> Pure-Fit 125 Series Fittings

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

<sup>7</sup> Retainer for 1/4" Pure-Fit SIB Barb

<sup>8</sup> For CPC and PendoTech Fittings

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

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

<sup>11</sup> For Lay-Flat Hose

<sup>12</sup> For Compression on Barbless Fittings

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

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

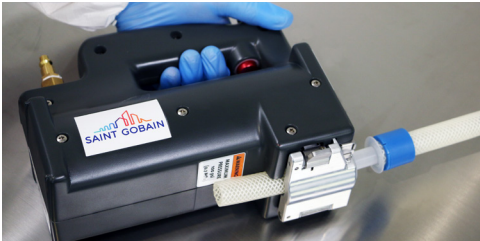
## BarbLock® Tool List



### 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.



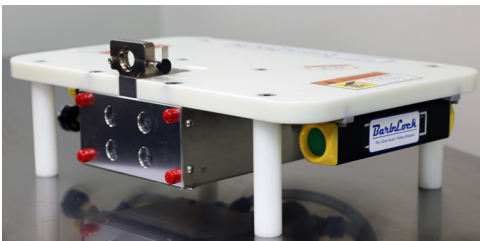
### BarbLock HH PAD Tool for ultimate assembly flexibility

- 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



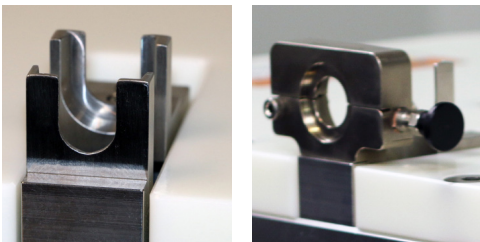
### BarbLock PAD tool for additional assembly flexibility

- 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



Saint-Gobain Performance Plastics

11590 US-31

Traverse City, MI 49690  
USA

Tel: +1 (989) 435.9533

Toll Free: +1 (888) 367.0067

[www.biopharm.saint-gobain.com](http://www.biopharm.saint-gobain.com)

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