



**CD102**

## **Low-Pro Summit® Lock Instructions**



Weight limit 265 lbs.

Patent No. 6666894, 7431738, 7077868 other patents pending

MADE IN USA

External Prosthetic Components



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Manufactured by Coyote®

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This piece of paper is NOT packing material. It is instructions for the product also enclosed in the package. These instructions could be helpful in fabricating and using the product correctly. We recommend reading them BEFORE using.

If you have more questions, please call

Coyote at (208) 429-0026.

You can also visit [coyote.us](http://coyote.us) and check out fabrication videos on:

- Attaching the Liner Attachment to the liner
- Low-Pro Summit Lock™ installation
- The Summit Lock™ and a check socket

## DEFINITIVE SOCKET FABRICATION

1. Draw a vertical line down the lateral anterior side of the socket.
2. Measure 1 1/2" below medial brim and mark. Bring that measurement to intersect with the vertical line on the lateral anterior side. This represents the top center of the fabrication tool of the lock.
3. Set fabrication tool on the cast and trace an outline.
4. Lightly sand the cast in the lock location to create a small flat area for the lock. Refresh the fabrication tool outline.

5. Pull PVA bag overcast. Place a piece of tape on PVA bag in lock location.
6. Nail tool to cast in location marked.
7. Ensure there is no lip underneath the tool. Layup and laminate as usual. Remove mold form socket.
8. Grind socket to expose fabrication tool. Remove fabrication tool.
9. Mark location of lock rivets. Lightly sand area to add relief for lock.
10. Additional sanding may be needed to ensure there is no lip below the lock.
11. Glue the lock into the hole created by the lamination tool using Quick Adhesive.

Correct fabrication of the Summit™ Lock requires use of Coyote® Quik Glue. The Quick Adhesive sets extremely fast, approximately 30 second work time. If not glued fast enough it may not

properly adhere to the liner. The glue can be refrigerated to increase the work time.

When using, work quickly. The Quick Adhesive is sold separately.

CD4150—50cc cartridge

\* requires a dispensing gun and mix tips



## Summit Lock™ Liner Compatibility

Manufacturer	Liner	Rating
Alps	Easy Liner	C**
Alps	GP	D
Alps	Thermoliner	C**
Alps	AK	C**
Daw	Cool Liner	C
Daw	Cool Liner with Strip	C**
ESP	Aegis Ultimate	D
Euro Intl	First Class	I

Medi	Akos TF	I
Medi	Relax	I
Medi	Sensitive	I
Ohio Willow Wood	Alpha AK	D**
Ohio Willow Wood	Alpha Max	C
Ohio Willow Wood	Alpha Original	A
Ohio Willow Wood	Alpha Spirit	C
Ossur	Comfort	B
Ossur	Dermo	B
Ossur	Sport	B
Ossur	Synergy	B
Ossur	Transfemoral	B

Ossur	Seal-In	A
Ossur	Wave	D
Otto Bock	Profile	I
Otto Bock	Simplicity	I
Otto Bock	Sirona	I
Otto Bock	TF	A
Silipos	Duragel	C
Steifeneder	Contex	B

A= Very Good, B=Good, C=Average,

D= Below Average, I=Insufficient Data

\*\*Lock attachment needs to be glued to the limited stretch seam of these liners

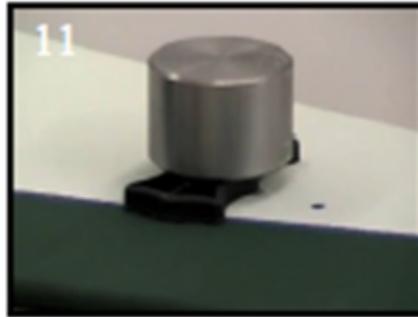
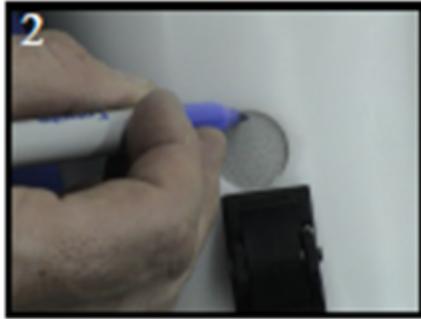
This rating only refers to the compatibility of the liner with the Summit™

and Low-Pro Summit™ Locks, not the overall quality of the liner.

Summit™ Lock Liner Compatibility

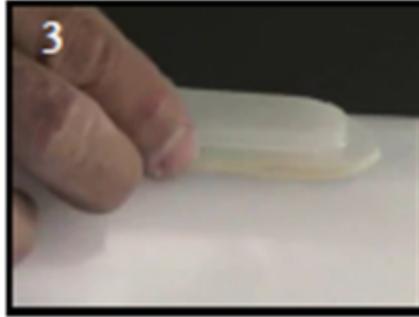
## **Gluing Liner Attachment to liner**

1. Have patient roll on liner and step into socket.
2. Mark liner at the top edge of the hole in the socket.
3. Roll liner over a piece of plastic to pre-stretch the liner and create a flat working surface.
4. Measure 1/2" above the first mark on the liner and make a mark. This mark represents the bottom of the bowtie attachment.
5. Attach Liner Attachment to Glue Form with Finish Screw.
6. Clean the back of the liner attachment with Acetone.
7. Mark liner around Liner Attachment to ensure exact placement.
8. Working quickly run a bead of Quick Adhesive around the edge of the Liner Attachment.
9. Smear the bead into a layer covering the Liner Attachment.
10. Place Liner Attachment in marked location on liner.
11. Place a small weight on the Glue Form to hold in place.
12. Allow to set 15 minutes
13. Remove Glue Form and attach Tab using Finish Screw
14. Use Loctite 242 to ensure permanent attachment.



## Using Low-Pro Summit Lock™ with a Flexible Inner Socket

1. Lightly sand the cast in the lock location to create a small, flat area for the lock. Refresh the fabrication tool outline.
2. Vacuum form flexible inner socket over mold. Apply Quick Adhesive to lamination tool and attach to inner socket at marked location.
3. Use putty to ensure there are no gaps between lamination tool and inner socket. Layup and laminate as usual. Remove mold.
4. Grind socket to expose lamination tool. Mark location of tool on flexible inner socket and remove Lamination tool and flexible inner from socket.
5. Cut a hole in flexible inner where marked, matching the width of the tool.
6. Taper hole to ease donning. Be careful not to over widen hole.
7. After installing lock reinstall flexible inner socket.



## **BK Placement of Low-Pro Summit Lock™**

- The liner attachment is located anterior lateral between the fib head and the tibial tubercle.
- Make sure the liner attachment is far enough below the brim to remain compressed within the socket.
- After removing the tool, have the patient step into the test socket; mark the liner at the top of the hole.
- The bottom of the bowtie liner attachment will be 1/4" above that mark.

## **Liner Selection**

6mm thickness liners have proven to be the most effective with the Summit Lock™ and Low-Pro Summit™ Locks, giving the lock a

stable surface for attachment.

The Summit™ Lock and Low-Pro Summit™ Locks are ideal for LONG limb types.

For shorter limbs the locks can be used for rotational control in conjunction with a distal pin.

**The liner must have a fabric backing for adhesion.**

Test fitting is done without the lock to ensure sufficient socket suspension.

Fitting and casting is done without any extra room in the socket for the attachment to ensure proper compression within the socket.

During the fitting process ensure the patient is not pulling the tab through the lock excessively. This will cause liner damage and irritation. The tab is designed to walk itself into position.

Ensure proper counter pressure and containment of the liner attachment within the socket.

Do not place liner attachment too high on the socket.

Do not allow the screw on liner attachment to come through the hole in the socket.