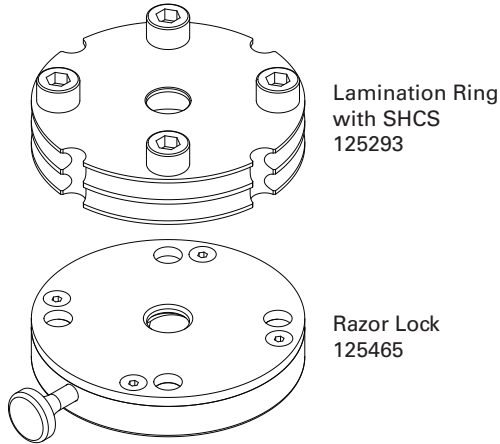


# Razor Lock with Lamination Ring



125475 Razor Lock with Lamination Ring

- Rated to 300 lbs.

## Razor Lock Assembly:

125465

Razor Lock

*Assembly Includes:*

- 809695** Upper Housing
- 809694** Lower Housing
- 882406** M3 x .5 x 8 FHCS
- 809752** Compression Spring
- 809711** Shuttle Lock
- 809685** Latch Pin Button for Lock Systems
- 880288** M6 x 1 x 30 FHCS

125293

Lamination Ring with SHCS

*Kit Includes:*

- 125291** Lamination Ring
- 880277** M6 x 1 x 8 SHCS

## Plungers: (sold separately)

- 809725** Plunger 1 1/2", with 1/4" Thread
- 809727** Plunger 2", with 1/4" Thread
- 809725mm** Plunger 1 1/2", with M 10 Metric Thread
- 809727mm** Plunger 2", with M 10 Metric Thread
- 809720mm** Plunger 2 1/2", with M 10 Metric Thread
- 809721mm** Plunger 3", with M 10 Metric Thread

## Fabrication Kits: (sold separately)

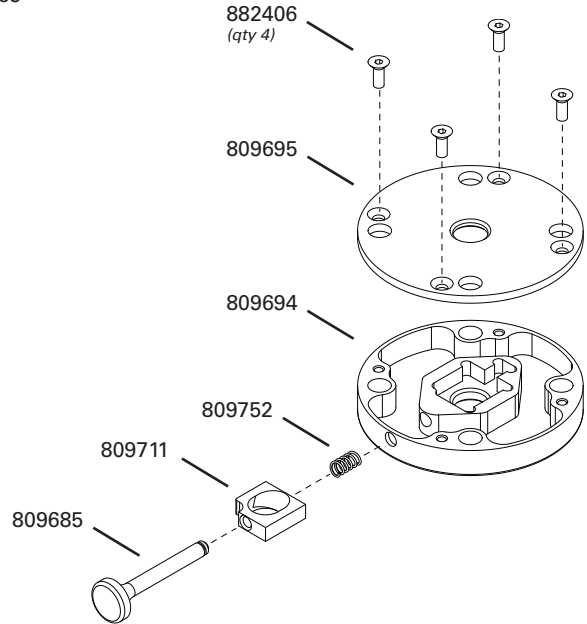
125205

Fabrication Kit for Lamination

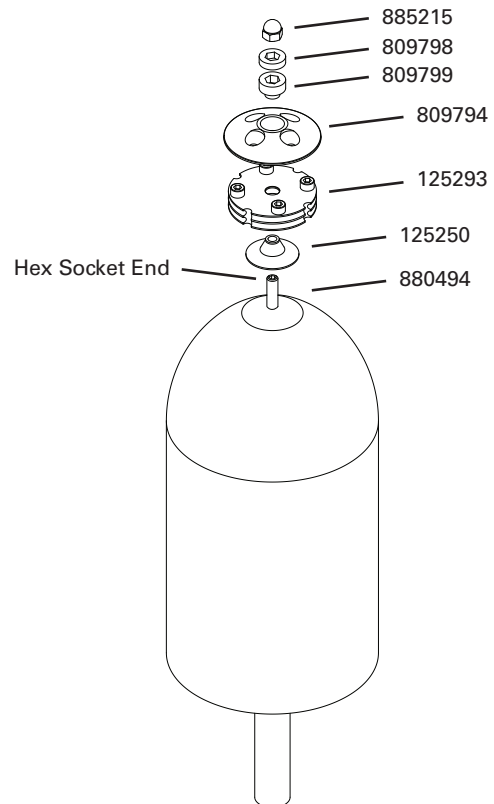
*Kit Includes:*

- 885215** Nut 5/16 - 18 Acorn
- 809798** Jam Screw
- 809799** Jack Screw
- 809794** Flattening Plate
- 125250** Distal Attachment Dummy
- 880494** 5/16 - 18 SOC HDSS

Razor Lock Assembly  
125465



Fabrication Kit  
125205



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## Mold Preparation

To properly prepare a positive plaster model, the cast should be taken over the suspension liner. The model created from this cast will have a cylindrical protrusion representing the distal post of the liner.

Drill a 1/4" diameter hole 1" deep down through the cylindrical protrusion.

Flatten the distal end of the model by removing plaster until the diameter of the distal end of the model matches the diameter of the distal attachment dummy.

If too much plaster was removed in Step 3, be sure to replace to avoid a "short socket".

For foam models, apply a nylon hose and a PVA sleeve, and tie off to protruding set screw.

Vacuum holes may be needed with plaster models especially near shuttle housing. If model is wet, use a casting balloon as a moisture barrier.

## Lamination

Lubricate the four socket head cap screws with a stick wax and reinstall them in the round aluminum Laminating Ring (125291). Be sure the four screws are firmly seated.

Place the Laminating Ring on the previously prepared model so that it mates with the Distal Attachment Dummy (#125250).

Before attaching the lamination ring, add stick wax (#990035) around both ends of the dummy to prevent entry of resin into the housing, place four set screws in the euro holes and coat with stick wax.

Rotate housing so four hole pattern is positioned correctly. Using lay-up preference, apply stockinette and reinforce over the lamination ring. It is imperative that the ends of the 4-Hole pattern and center screw be free of any fabric.

The flattening plate, 3/4" jack and locking screw should be coated with stick wax (#990035) before placing the plate on top of the lamination ring; with center screw extending 1/4" above plate secure with acorn nut. Make sure the plate is in direct contact with the ends of the SHCS. The four holes of the flattening plate sets opposite of the euro 4-hole pattern.

Resin should be prepared and poured into the outer PVA sleeve and thoroughly saturated around and under flattening plate, etc.

After the resin has hardened, remove the excess resin and PVA sleeve. Unscrew the acorn nut and remove the 5/16" center set screw completely. With a 3/8" hex wrench remove the jam nut from the flattening plate. Using the hex wrench, screw the inner socket screw down until the plate releases from the top of the lamination for removal.

With the fabrication tooling available the distal surfaces of the laminated socket will be flat for immediate assembly. No sanding will be required.

## Daily Care and Maintenance

*The Prosthetist should discuss the following inspection procedures and guidelines with the patient.*

Check the locking mechanism for proper operation before each use. Discontinue use of prosthesis and contact your Prosthetist if locking mechanism is not performing as expected.

Avoid bumping the button to prevent accidental unlocking. This risk increases if the prosthesis is fabricated without a button shield.

Keep the lock clean and free of debris for the best performance and proper lock engagement.

Avoid humid or wet environments and always dry the components should they get wet. Prolonged exposure to moisture can cause metal components to corrode and fail prematurely.

Should the lock malfunction in any way (e.g. accidentally disengage, fail to release, etc.), discontinue the use of the lock immediately and contact your Prosthetist.

Contact your Prosthetist should you have any questions or concerns.

## Fabrication Guidelines

A trained technician must perform fabrication of the prosthesis.

Do not modify the housing or the locking mechanism in any way.

Use a thread locker to secure all threaded fasteners.

Use of the button shield and guide screw, when provided, is required for safest operation. Failure to use the button shield significantly increases the likelihood of accidental disengagement of the lock.

A minimum of 3 serrations must enter the shuttle and clutch locks for safest operation.

This device is intended for single patient use.

**FAILURE TO FOLLOW THESE GUIDELINES  
WILL VOID ANY WARRANTY.**