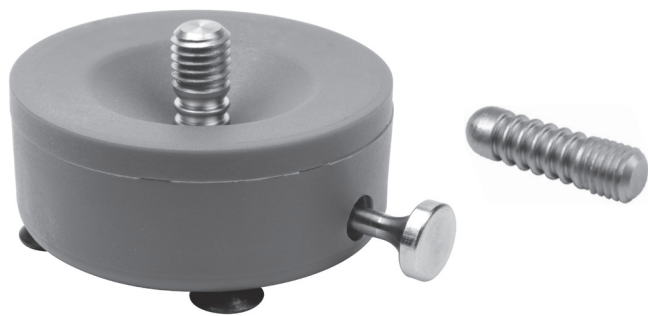


# The Fillauer Cylindrical Lock System



125240 Cylindrical Lock w/ 1" plungers  
125241 Cylindrical Lock w/ 1-1/2" plunger

- Rated to 300 lbs.

## Shuttle Lock Assembly:

125240 Cylindrical Lock w/ 1" plungers  
809722mm 1" Long Metric Plunger, 2ea.

125241 Cylindrical Lock w/ 1-1/2" plungers  
809725mm 1-1/2" Long Metric Plunger, 2ea.

125243 Cylindrical Lock w/ 2" plungers  
809727mm 2" Long Metric Plunger, 2ea.

### Kit includes

809685 Latch Pin Button for Lock Systems  
809873 Cylindrical Lock Body  
880285 M6 x 1 x 25mm Flt Sck Hd Cp Screw, 4ea

### Plungers: (sold separately)

809722 Plunger 1", with 1/4" Thread  
809725 Plunger 1-1/2", with 1/4" Thread  
809727 Plunger 2", with 1/4" Thread  
809722mm Plunger 1", with M 10 Metric 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)

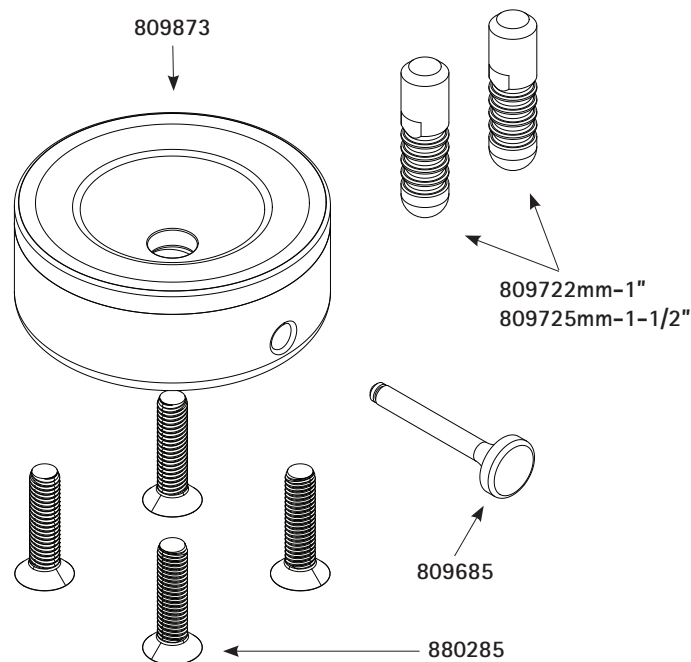
809867 Cylindrical Housing Dummy Kit

#### Kit includes

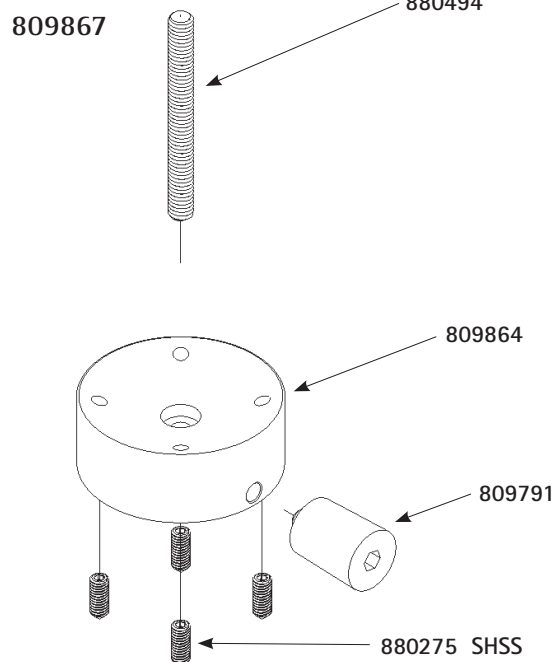
809864 Fabrication Dummy Body  
880275 M6-1x16mm SHSS  
880494 5/16-18x3" SHSS  
809791 Button Shield Dummy

May also use Fabrication Kits: 125204 and 125202 with this item.

## Shuttle Lock Assembly and Plungers:



## Fabrication Kit:



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Centri® • Kung Hans Väg 2 • 192 68 Sollentuna • Sweden • +46 8 505 332 00 • Fax: +46 8 505 332 05 • [www.centri.se](http://www.centri.se)

## Mold Preparation

### Attach Dummy and Blend

Align 5/16-18 x 3" set screw with center line of the model. The hex socket should be within the plaster mold, unless using the distal flattening plate. The 5/16 set screw should protrude 1" beyond the end of the model to attach the housing dummy.

Screw the housing dummy over the exposed set screw. Blend the distal end of the model to the inner flair of the dummy housing with a plaster slurry. After slurry hardens remove dummy. Vacuum holes may be required especially near shuttle housing. If model is wet, use a casting balloon.

## Thermoforming or Lamination

### Thermoforming

Any thermoformable plastic may be used for definitive or check socket fittings using standard drape or blister forming techniques. Special care should be taken around the area of the button shield dummy to prevent wrinkles especially when blister forming.

### Lamination

Apply inner PVA bag and tie off around protruding 5/16 set screw. Add a wax coating to the housing dummy and to the set screws to protect them for resin contact. Vaseline inner dummy cup and screw gently in place to avoid cutting PVA bag.

Lace 1" carbon fiber tape (PN-211144) over the fabrication dummy and extending up several inches fanning out over the distal socket section. Based on the weight and activity level of the patient, add appropriate stockinettes and strengthening fabrics. The selected resin should be prepared and poured into the outer PVA sleeve and thoroughly saturated around the fabrication dummy.

### Assembly

After forming the socket, sand the distal surface smooth and flat to expose the all distal set screws. Use 5/16" drill for attachment holes and 3/8" drill for plunger hole. Align the 4-hole patterns of the lock, socket, and distal attachment device. Secure with M6x1 screw by applying 7-8 Nm (62-71 in lbf) of torque to each screw. Overtorquing may result in poor function. Use LocTite and be sure the attachment screw is long enough to fully engage the threads in the lock. While the M6x1x25mm (PN-880285) Flat Head Screws included will work with many common 4-hole attachment devices, the required screw length will depend upon the thickness of the socket and the distal attachment device.

## Fabrication Guidelines

- A trained technician must perform fabrication of the prosthesis.
- Do not modify the housing or the locking mechanism in any way.
- Do not disassemble the housing.
- Use LocTite to secure all threaded fasteners.
- Fabricate using the Button Shield Dummy to provide a fabricated shield around the button to help prevent accidental disengagement.
- If inner and outer surfaces of the distal end are not parallel and smooth the lock may malfunction.
- Applying more torque than recommended may cause the lock to malfunction.
- Fabrication of a socket should be done using a fabrication kit (809867) including fabrication dummies.  
If a fabrication dummy is not used, special care must be taken to make sure that no foreign material is able to enter the lock, as this may cause the mechanism to malfunction.
- Inspect operation of mechanism after installation into the socket.
- The M6x1 Attachment screw must be alloy steel and long enough to fully engage the threads in the lock.

**Failure to follow these guidelines will void any warranty.**

## 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.
- A minimum of 3 plunger serrations should be engaged for secure use
- Avoid bumping the button to prevent accidental unlocking. This risk increases if the Button Shield is not utilized during fabrication.
- 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 use of the lock immediately and contact your Prosthetist.
- Contact your Prosthetist should you have any questions or concerns.

