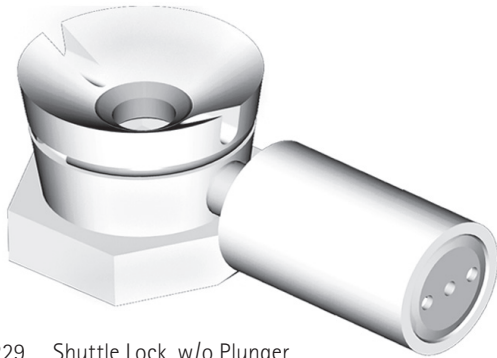


Original Shuttle Lock



125229 Shuttle Lock, w/o Plunger

- Rated to 220 lbs.

Shuttle Lock Assembly:

125229	Shuttle Lock Kit w/o Plunger
125234	Shuttle Lock Kit w/ Plunger, 1", 1/4-20
125232	Shuttle Lock Kit w/ Plunger, 1 1/2", 1/4-20
125237	Shuttle Lock Kit w/ Plunger, 2", 1/4-20
125234mm	Shuttle Lock Kit w/ Plunger, 1", M10 Metric
125232mm	Shuttle Lock Kit w/ Plunger, 1 1/2", M10 Metric
125237mm	Shuttle Lock Kit w/ Plunger, 2", M10 Metric

All Kits Include:

809747	Shuttle Lock Body
125345	Button Shield
809712	Guide Screw Assembly
809731	Latch Pin
809730	Latch Pin Button
809732	Mounting Nut
809757	Pe-Lite™ Washers 3/4"
809758	Pe-Lite™ Washers 1"

Plungers: (sold separately)

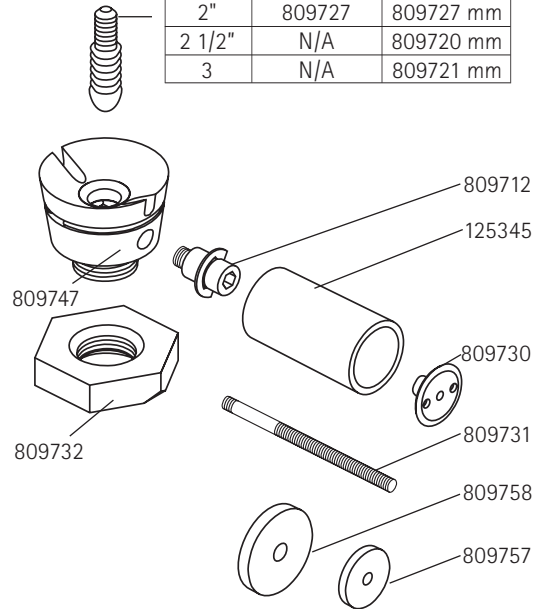
809722	Plunger 1", w/ 1/4-20Thread
809725	Plunger 1 1/2", w/ 1/4-20Thread
809727	Plunger 2", w/ 1/4-20Thread
809722mm	Plunger 1", w/ M10 Metric Thread
809725mm	Plunger 1 1/2", w/ M10 Metric Thread
809727mm	Plunger 2", w/ M10 Metric Thread
809720mm	Plunger 2 1/2", w/ M10 Metric Thread
809721mm	Plunger 3" w/ M10 Metric Thread

Fabrication Kit:

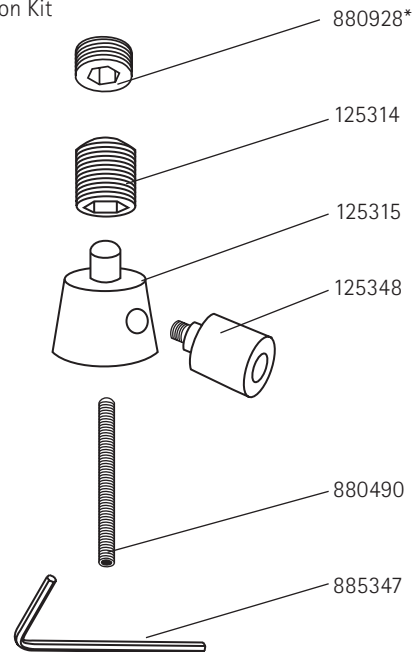
125239	Fabrication Kit
125314	Threaded Plug, 3/4-16x1"
125315	Distal Socket Plug
125348	Plug Screw F/Shield
880490	Set Screw, 5/16-18x2"
885347	Hex Key, 1/4"
880928	Socket Jam Screw, 3/4-16x3/8

Shuttle Lock Assembly and Plungers

	1/4" thread	Metric M10
1"	809722	809722 mm
1 1/2"	809725	809725 mm
2"	809727	809727 mm
2 1/2"	N/A	809720 mm
3"	N/A	809721 mm



Fabrication Kit 125239



* Used only with Unitized Housing Shuttle Lock



Fabricating Original Shuttle Lock

Mold Preparation

Seat set screw (#880490) in desired location on mold. Coat the distal surface of the distal socket plug (#125315), the threaded plug (#125314), and the plug screw (#125317) or Plug Screw for Shield (#125348) with stick wax (#990035). Fill the hex cavity in the threaded plug, the lateral hole in the distal socket plug, and the socket of the plug screw with silicone gel. Blend plaster from mold to distal socket plug.

Assemble the mounting nut on the threaded plug screw (125314) and place the two on the distal socket plug with the flattened corner of distal end facing the button hole of the desired medial position for the release button. Press the mounting nut down firmly on the plug so it is seated squarely.

Thermoforming

Standard drape or blister forming techniques may be used with sufficient vacuum. Special care should be taken around the area of the button shield to prevent wrinkles and thinning especially when blister forming.

Buildup for the frame and attachment is then made with plaster or foam. The rigid outer frame is then thermoformed using any customary plastics.

Two-Stage Lamination

The inner shell consists simply of Dacron and /or Nylon. Special care should be made to insure no air bubbles remain over the fabrication dummies.

Buildup for the attachment is then made with polyester or foam. The second stage is then laminated with the desired reinforcement scheme using carbon, fiberglass, and nylon.

One-Stage Lamination

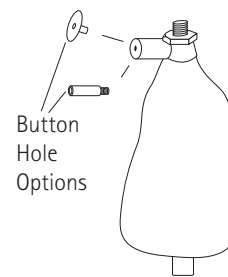
The Regular Shuttle can also be used in a one-stage lamination techniques using a pyramid socket adaptor as the distal attachment (refer to the Fillauer One-Stage Lamination Manual). Also the Unitized Shuttle Lock Housing with Pyramid (#809750) may be used, but this locks the pyramid attachment under the shuttle lock.

Assembly

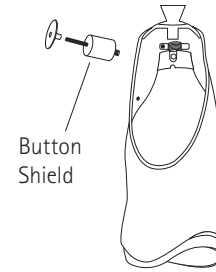
Trim plastic around threaded plug (#125314) even with Distal Socket Plug (#125315). Also trim plastic even with Plug screw (#125317) or Plug screw for Shield (#125348). Carefully remove interface from mold to reassemble shuttle lock.

The Shuttle Lock Body (#809747) is inserted into the distal cavity and the Mounting Nut (#809732) is screwed on drawing the Lock Body distally. The Guide Screw Assembly (#809712) is placed inside the Button Shield (#125345) pushed through a 1" Pelite Washer (#809758) and is screwed into the Shuttle Lock Body. The Latch Pin (#809731) is cut to desired length and the Latch Pin Button (#809730) is screwed on and secured with blue Loctite. The Latch Pin is pushed through the 3/4" Pelite Washer (#809757) and threaded into the shuttle through Screw Assembly. The Pelite washers are required to baffle air escape and prevent noise.

Mold Preparation



Shuttle Lock Assembly



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 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 teeth 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.