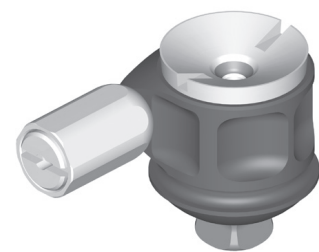
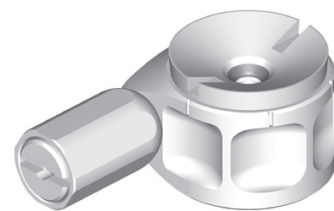


Features		Benefits	
<ul style="list-style-type: none"> <li>Made with corrosion resistant components</li> <li>Open design with large clearance</li> <li>Smooth clutch mechanisms</li> <li>Easy to remove and service</li> <li>Available in several versions Delrin, Pyramid, and Cylindrical Housings</li> <li>Distal Attachment versions rated to 300lbs.</li> <li>Clicks when plunger engages lock</li> </ul>		<ul style="list-style-type: none"> <li>Can be used in salt or fresh water</li> <li>Allows muck and grime to wash through</li> <li>Quiet and stepless</li> <li>Easy to clean</li> <li>Wide selection of components based on amputees need</li> <li>Heavy or high activity amputees can be accommodated</li> <li>Sound (audible) feedback to patient</li> </ul>	
Indications		Contraindications	
<ul style="list-style-type: none"> <li>Amputees requiring a distal attachment for use in water, muck, and grime.</li> <li>Amputees with distal plunger attachment alignment issues.</li> <li>Amputees requiring quiet, stepless operation with infinite positions</li> </ul>		<ul style="list-style-type: none"> <li>Amputees who are contraindicated for sleeve suspension in general due to poor upper extremity dexterity, skin irritation, excessive perspiration, longer limb lengths, or cognitive issues.</li> <li>Previous wearers who require allowance for volume fluctuation.</li> <li>Patients with longer limb lengths who cannot accommodate a distal lock attachment.</li> </ul>	
Product Description		Weight	Building Height
Delrin Housing Lock		2.6oz / 74g	31.8mm / 1.25 in
Pyramid Housing Lock		4.7oz / 133g	39.6mm / 1.56 in.
Cylindrical Housing Lock		4.6oz / 132g	31.8mm/1.25in

Also available

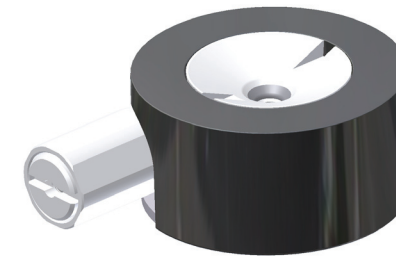


141002 Gator Grip with Pyramid Housing



141001 Gator Grip with Delrin Housing

## The Gator Grip Lock with Cylindrical Housing



141003 Gator Grip with Cylindrical Housing

- Rated to 300 lbs.

### Gator Grip Assembly:

#### 141003 Lock Kit with Cylindrical Housing

- 141170 Cylindrical Housing
- 880280 M6x1x16 FHSC Screw, 4 ea.
- 141105 Release Assembly w/ Spring, 1 ea.
- 027827 Compression Spring, Stainless, 1 ea.
- 140106 Latch Pin, 1 ea.
- 141140 Release Rack, 1 ea.
- 141142 Button Shield, 1 ea.
- 141144 Latch Pin Button, 1 ea.

### Lock Mechanism: (Included in the Lock Kit)

#### 141100 Gator Grip Modular Lock Cartridge

- 141110 316 Stainless Steel 7/16in Diameter Ball, 4 ea.
- 141112 316 Stainless Steel Internal Retaining Ring 1 ea.
- 141114 316 Stainless Steel Flat Washer, 1 ea.
- 141120 Gear Driven Release Cam, 2 ea.
- 141122 Cam Follower Spacer, 1 ea.
- 141130 Modular Lock Cartridge Housing, Ti, 1 ea.
- 141132 Ball Retainer, 1 ea.
- 027826 Conical Compression Spring, Stainless
- 882410 Cam Follower Screw, 2 ea.

### Plungers:

- 141015 Smooth Rigid Plunger, 1"
- 141016 Smooth Rigid Plunger, 1-1/2"
- 141017 Smooth Rigid Plunger, 2"
- 141010 Flexible Plunger, 1-1/2"
- 141011 Flexible Plunger, 2"
- 141012 Flexible Plunger, 2-1/2"

### Fabrication Kit:

#### 141021 Gator Grip Fabrication Kit for Cylindrical Housing

- 141196 Fabrication Dummy, 1 ea.
- 141197 Button Dummy, 1 ea.
- 880494 5/16-18 X 3" SHSS, 1 ea.
- 880277 M6x1x8mm SHCS, 4 ea.
- 220275 M6x1x16mm SHSS, 4 ea.

### Gator Grip Assembly and Plunger

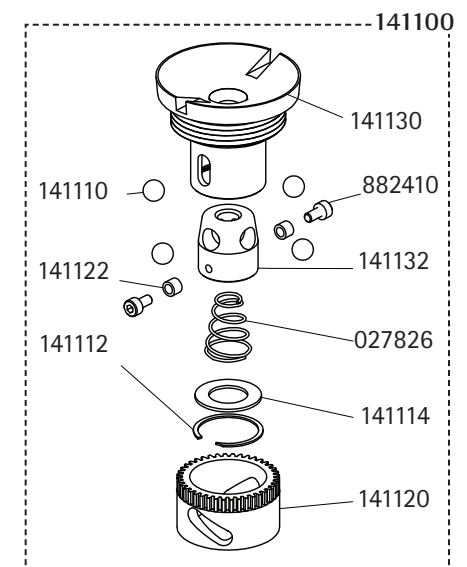
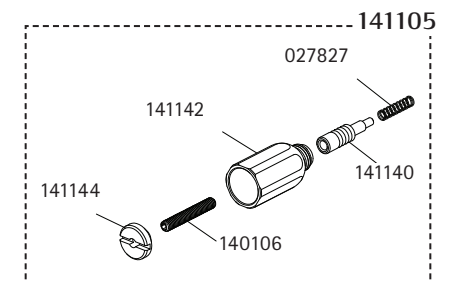
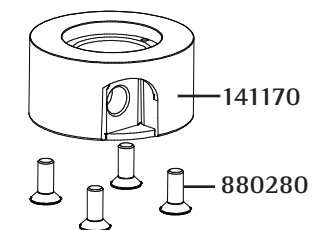
#### Smooth Rigid Plunger

1"	141015
1 1/2"	141016
2"	141017



#### Flexible Plunger

1 1/2"	141010
2"	141011
2 1/2"	141012



**Fillauer** LLC

2710 Amnicola Highway • P.O. Box 5189 • Chattanooga, TN 37406 USA • 800 251 6398 • 423 624 0946  
Centri • Kung Hans Väg 2 • 192 68 Sollentuna, Sweden • Tel: +46 8 505 332 00 • Fax: +46 8 505 332 05 • www.centri.se



PM171/09-02/06-13-11

## Mold Preparation for the Cylindrical Housing Lock

### Attach Assembly and Blend

The Model should be prepared with a 5/16-18x3" set screw in the distal end, aligned with the center line of the model. The Hex socket must be exposed out of the plaster and should protrude 2-1/4" out of the plaster. Screw the housing dummy over the exposed set screw. Set orientation of the 4 hole pattern and release button. Blend the distal end of the model to the housing with a plaster slurry.

### Prepare Model

- **Foam Model**  
For foam models, apply a nylon hose and a PVA sleeve, tied off around protruding set screw.
- **Plaster Model**  
Vacuum holes may be needed with plaster models especially near shuttle housing. If model is wet, use a casting balloon.

## Fabricating of The Gator Grip with Cylindrical Housing

### Thermoforming

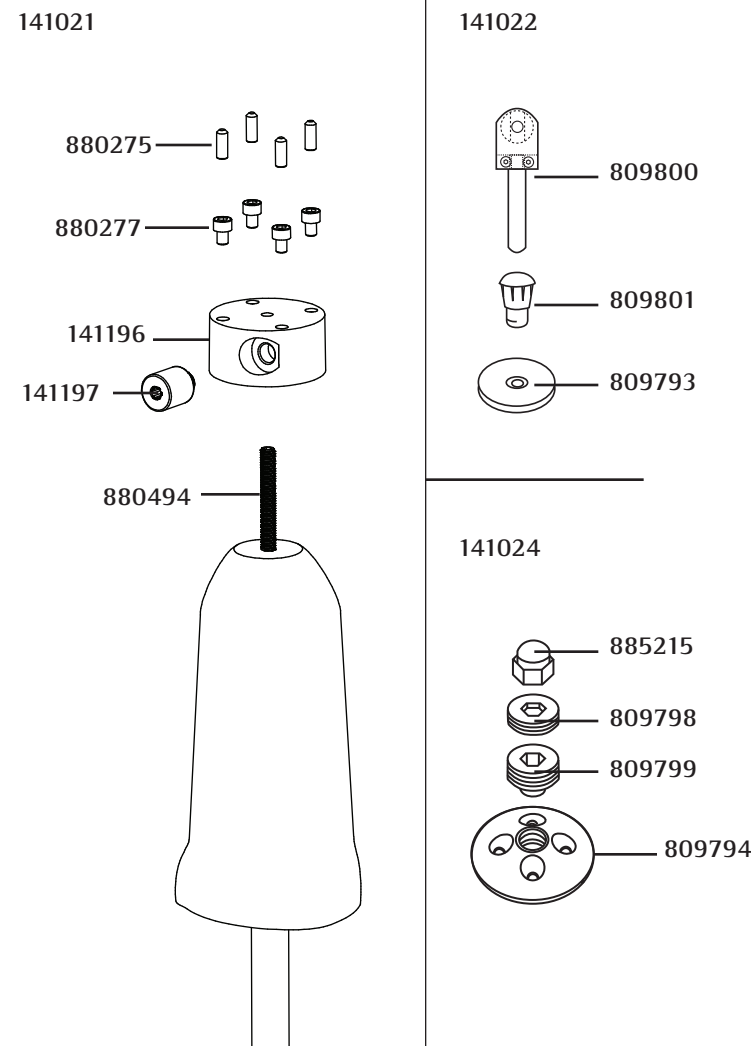
(Thermoforming Kit 141022 and Dummy Kit 141021 are recommended)  
Any customary plastic may be used for definitive or check socket fitting. Standard drape or blister forming techniques may also be used with sufficient vacuum. Drape formed Durr-Plex is commonly used with a clear check socket especially with the Socket Evaluation System.

Special care should be taken around the area of the Dummy Button to prevent wrinkles and thinning especially when blister forming.

### Lamination

(Lamination kit 141024 and Dummy Kit 141021 are recommended)  
Add a stick wax (#990035) coating to the housing dummy button and screws before assembling to the Gator Grip Dummy. Button shield dummy must be screwed in the latch pin hole, then fill the wrench slot with silicone gel.

The suggested fabric lay-up is the use of 1" carbon fiber tape (211144) laced over the housing body and extending up 1/3 of the length of the model fanning out over the distal socket section. Based on the weight and activity of the patient, maximum of 300lbs K4 level, add appropriate stockinettes and strengthening fabrics.



## General Instructions and Lock Maintenances

The Fillauer Gator Grip Lock is operated by simply pushing the plunger attached to the locking sleeve into the distal hole. Once the plunger has passed the ball bearing mechanism, the lock will secure the sleeve. The lock is stepless so it will silently lock at any position as the plunger descends through the Gator Grip. To disengage the lock, the release button is pushed removing pressure from the bearings to the plunger.

The Gator Grip cartridge can be easily removed by unscrewing from inside the socket. Unlike other mechanisms, the release button does not need to be removed prior to unscrewing the cartridge.

The Gator Grip is constructed of high strength, corrosion resistant alloys, so it may be used in fresh water or salt water. It can also be used in dusty or muddy conditions that might damage other locks. The only requirement is that the lock be rinsed thoroughly especially after use in mud or grit.

Standard lamination or thermoforming fabrication procedures may be used with the Gator Grip using the available fabrication kits. As always, it is essential that the lock be protected during fabrication to prevent materials from clogging its inner mechanisms which may cause product failure.

No lubrication is required for the Gator Grip. Periodic inspection every 6 months or sooner is suggested. The patient should be instructed to alert the prosthetist immediately if the function of the lock impaired.

The pyramid and cylindrical versions are rated for 300 lbs. and the Delrin version is unrated since the strength of the prosthetic attachment determines overall strength. Any use of the Gator Grip beyond the prosthetic use intended and described is prohibited and frees the manufacturer of any liability.

## Instructions to the Practitioner

- If the amputee uses the lock in the water or dirty conditions it should be rinsed thoroughly to wash any residue away.
- The amputee should be reminded that although the lock is corrosion resistant, other components within the prosthesis may not be.
- The Flexible Plunger should be inspected periodically for any unwinding which may make the lock more difficult to disengage. Add loc-tite to the plunger threads when installing into the liner to avoid unscrewing.
- If the lock requires servicing it may be easily unscrewed from the housing and cleaned. The button does not need to be removed for servicing.
- When fabricating, use the fabrication dummies and protective gel or stick wax to avoid clogging the liner with resin or plastic.
- The practitioner should discuss indications, contraindications, care and maintenance, and application instructions with the amputee and/or caregiver before use. In selecting the appropriate device, the practitioner should carefully consider the abilities of the amputee. The amputee or caregiver must be able to determine if the plunger is locked into place during daily application.
- When possible, a drainage path should be provided within the prosthesis from the plunger cavity to the outside to allow debris to flow from the mechanism during rinsing.
- Instruct the Amputee to inspect the lock daily before using and to contact you if they notice anything unusual.

## Instructions to the Patient

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

- If the lock is used in the water or dirty conditions, it should be rinsed thoroughly to wash any residue away.
- Although the lock is corrosion resistant for use in water, other components within the prosthesis may not be.
- To engage, simply slide the plunger into the distal attachment opening. To disengage press the release button and remove residual limb.
- If the amputee becomes stuck, press the release button while pushing down into the socket to disengage ball bearings from the plunger. Inspect sock and liner to insure that sock threads have not worked into the lock.
- Inspect the lock daily before using. If wear, cracks, or unusual noises are noticed please contact your practitioner immediately.

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