



# **ELFR – Easyliner®**

## **Easyliner Fabric Reinforced**



Covered by one or more of the following patents

6,552,109B1

6,867,253B1

7,344,568B2

7,709,570 B2

The ALPS EasyLiner - Fabric Reinforced liner (ELFR) is made with a very comfortable and cushioning soft gel material. The soft feeling of the gel reduces the occurrence of rashes and skin breakdowns at the proximal edge of the liner and in sensitive bony areas. The fabric reinforcement makes it durable and easy to roll on and off. The Easyliner Fabric Reinforced is an ideal interface for patients that have sensitive skin or bony prominences and they cannot tolerate the negative pressure of a locking pin type of suspension system. The ELFR can be used with any type of proximal suspension including supracondylar and straps. The recommended suspension system is with an EasySleeve gel suspension sleeve with or without an expulsion valve.

### **Sizing**

Measure the stump circumference 6cm from the apex of the residual limb.  
Select a size inferior to the measured circumference.

Example 1: Measured circumference 24

Select size 24

Example 2: Measured circumference 27

Select size 26

### **Measurements taken 6cm from distal end.**

Measured size (cm)	3mm	6mm
16 - 19 cm	ELFR 16-3	ELFR 16-6
20 - 23 cm	ELFR 20-3	ELFR 20-6
24 - 25 cm	ELFR 24-3	ELFR 24-6
26 - 27cm	ELFR 26-3	ELFR 26-6
28 - 31 cm	ELFR 28-3	ELFR 28-6
32 - 37 cm	ELFR 32-3	ELFR 32-6
38 - 43 cm	ELFR 38-3	ELFR 38-6
44 - 53 cm	ELFR 44-3	ELFR 44-6

**Casting (Note: The patient should not don a liner before casting.)**

### **Donning the EasyLiner**

Although it is not necessary to apply any type of lubricant to the residual limb, you may use either talcum powder or a very small amount of Alps SL108 silicone skin lotion. **Avoid petroleum jelly and other oil based lubricants**, as they will damage

the EasyLiner. **Talcum powder will form a scaling on the surface of the EasyLiner.** (Using the SL108 is the preferred procedure).

You may don the EasyLiner by both inverting and rolling it up or donning it like a sock. If you choose to invert it, use a powder on the outside to facilitate rolling.

Remove any air pockets trapped between the residual limb and the liner.

Place a prosthetic sheath or sock over the EasyLiner.

Introduce the residual limb into the socket.

### **Storing the EasyLiner**

Always keep the foam insert in the EasyLiner when not in use. Lying flat for long periods may cause creases to develop.

### **Cleaning the EasyLiner**

**Daily:** Wash the EasyLiner and the residual limb with warm water and a neutral soap such as Alps Cleanser PD595 or other hypoallergenic ph-balanced soap. Use a washcloth, but do not rub, nor scrub or you will damage the EasyLiner. Rinse Well. Wipe the EasyLiner dry with a clean, dry towel.

**Weekly:** Place a small amount of rubbing alcohol on a soft, clean cloth. Wipe the EasyLiner with the cloth thoroughly, wipe dry with a towel **DO NOT** soak the liner in alcohol.

**Occasionally:** When the fabric gets very soiled, wash in washing machine using the cold cycle and fabric detergent, using the extra rinse cycle; then dry in a clothes dryer using the “fluff” cycle.

To remove a stain on the fabric side, use a cloth dampened in nail polish remover (acetone) and rub until clean. **DO NOT SOAK IN ACETONE OR YOU WILL DISSOLVE THE GEL.**

## **F.A.Q.'s**

**Question:** My patient after using the EasyLiner for the first time complained of excessive perspiration.

**Answer:** Excessive perspiration is normal. It will gradually diminish over a period of two to six weeks. You may use an antiperspirant, but, if a rash develops, discontinue its use.

**Question:** Do I trim the EasyLiner above the knee or just above the socket edge or do I reflect the EasyLiner over the socket to provide suspension?

**Answer:** You can do all of the above. We recommend that you trim 1" above the edge of the socket. To trim, you may use scissors, a pizza roller or a hot knife for plastics.(McMaster Carr's Part #2453A61, tel. 1-404-346-7000). If you choose to reflect the EasyLiner over the socket, make sure that the edge of the socket is well taped or you will cut a hole in the liner. (In such a case, the warranty will not apply.)

**Question:** The EasyLiner stains very easily, does this affect its performance?

**Answer:** No, performance is not affected. It is true EasyLiners pick up stains easily. If the stain cannot be removed with the procedures described above, it is recommended that the exposed portion of the liner be covered with a 14" to 16" piece of stockinet or with a spandex cover available from Alps.

**Question:** I have experienced micro cracking of the surface.

**Answer:** Micro cracking can take place either when:

a) petroleum products or organic oils (including human fatty acids) come in prolonged contact with the EasyLiner. Some patients skin may be oily enough to induce micro cracking. In such cases the life expectancy of the EasyLiner is greatly reduced. The prosthetist will decide if the EasyLiner is the appropriate liner for such patients.

b) the EasyLiner is stretched over 100% of its original dimension and kept in a stretched position.

## WARRANTY

**30-day satisfaction guaranteed**, no questions asked

**24 month** warranty against manufactures defects **if pair** is issued to amputee

**12 month warranty** against manufactures defects if **a single** liner is issued to amputee

To obtain an Alps Return Authorization Number (RAN) call Alps Customer Service between the hours of 8am and 5pm and provide an Alps representative with the following information:

**Customer ID # -- Invoice # -- Date of Invoice – Nature of Return**

The RAN must be displayed on the exterior of the returned item box or it will be refused at the dock.

**Warning:** Specific exclusions from this warranty are: cuts, holes, rips due to hits, scrapes, etc.

900034 Rev K, CAN#2942  
ELFR

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