### ALPS<sup>®</sup> SOUTH -LINER SPECIALISTS SINCE 1993

ALPS® South is an American company which has been specializing in the production of prosthetic liners since 1993. Since then we have expanded globally, with offices in 5 countries, a consolidated network of agents and over 160 trusted distributors spread out all over the world.

Thanks to our dedication to innovation, coupled with our eagerness to interpret and even anticipate the needs of prosthetic technicians and wearers, ALPS® has gone far beyond our initial production only of prosthetic liners, and developed a whole range of high-quality prosthetic solutions, including more than 75 registered patents spanning an array of product categories. This catalogue makes it easy to access information about the entire range of ALPS® products to identify the best prosthetic solutions based on both the lifestyle and clinical profile of each individual patient.

#### PREMIUM QUALITY | 100% MADE IN USA

Investment in innovation, research and quality, both in terms of products and working methods, continues to be a priority here at ALPS®, allowing us to offer premium solutions. The entire production process, from the knitting of fabrics to the manufacturing of the liners, takes place at our St. Petersburg, Florida plant. This means we can assure maximum quality control at every step of production. In addition ALPS® guarantees the quality and safety of its products with certification from some of the most important internationally recognized authorizing institutions. ALPS® has been manufacturing FDA-approved medical devices since 1989. ALPS® products are designed and produced according to ISO13485 and GMP (Good manufacturing practice) standards, meeting the requirements of the EU regulations CEE 93/42 UE and conforming to MDR 2017/745.





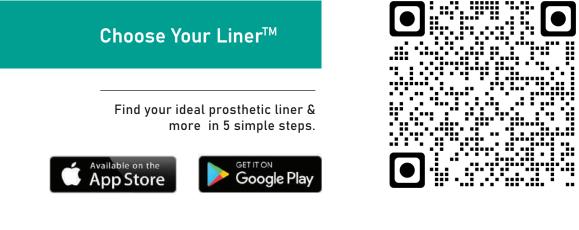
### ALPS<sup>®</sup> SOUTH MAKING LIVES BETTER<sup>™</sup>

"Making Lives Better™" is the mission which has been driving the company since 1988, inspiring our job every day and pushing us to provide superior products for you and for every prosthetics user.

We pride ourselves on our fair business practices with customers, vendors, and employees alike, while maintaining a brand image that makes our staff, collaborators and end-users of our products all proud to be associated with ALPS<sup>®</sup>.

#### **USERS FIRST**

Throughout the catalog, you can find a unique tool called Choose Your Liner<sup>™</sup>, which ALPS<sup>®</sup> has developed to help you identify which prosthetic solutions best suit each patient based on the individual's lifestyle and clinical profile. You will find products specifically tailored to your needs and related suspension systems, applicable in 5 easy steps. Putting the user first helps you choose the best prosthetic solution for each individual.



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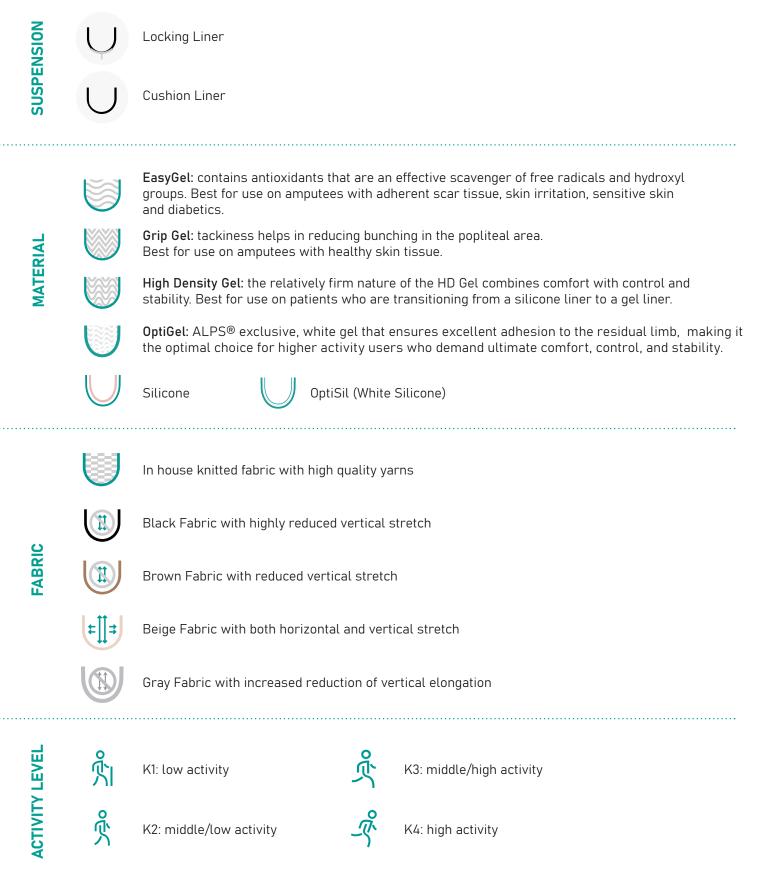
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### **PRODUCT SYMBOLS**





### LINERS OVERVIEW





THICKNESS	ACTIVITY LEVEL	RECOMMENDED FOR	PAGE
3 mm 6 mm 6/3 mm distal proximal taper 9 mm available only for size 24 and 28	<b>Ҟ҈ӏ Ҟ҄ Ҳ Ҳ</b>	Diabetic patients and those with sensitive skin and whenever the comfort and the protection of the residual limb is a priority.	34
S mm	<mark>Ҟ҅ҧҞ҄Ҳ҄҂Ҳ</mark> к1~ к2~ к3~ к4~	Residual limbs with redundant soft tissue and for transfemoral amputees. Further recommended to counter perspiration issues and for patients living in hot areas.	36
3 mm 6 mm	<b>Ќі Ќ Ќ ~</b>	Transfemoral and transtibial patients with moderate activity levels, and good skin condition who are looking for an improved control of the prosthetic leg.	38
3 mm 6 mm	<mark>Ќј Ќ Ќ ~ Ќ</mark> к1 к2 ~ к3 ~ к4 ~	Patients with medium and high activity levels who require both comfort and elevated levels of control of the prosthetic leg. It is also recommended for patients whose residual limbs have excessive soft tissue and for transfemoral amputees.	40
3 mm 6 mm	K1     K2     K3     K4	Patients with low activity levels and good skin conditions; it is also indicated for irregularly shaped residual limbs and those with bony protuberances.	42
) 3 mm 6 mm	К         K         K         K         K	Patients with medium to high activity levels, whether with transtibial or transfemoral prostheses, and for those whose residual limbs present redundant soft tissues.	44



### LINERS OVERVIEW

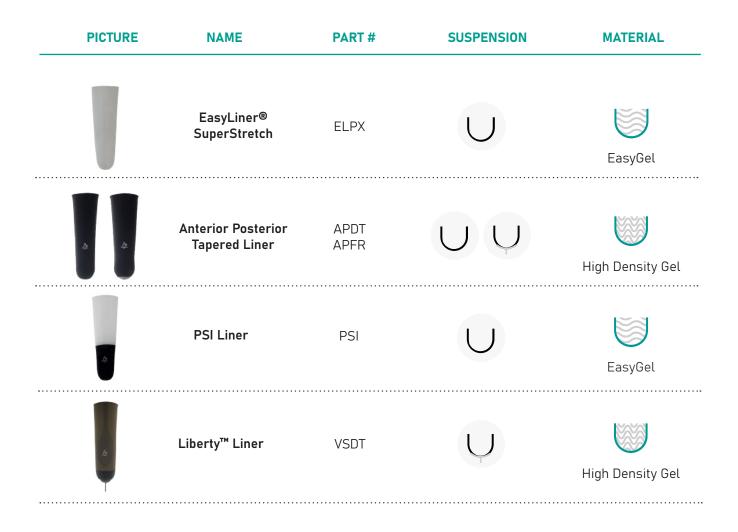
PICTURE	NAME	PART #	SUSPENSION	MATERIAL
	Smart Seal™ Liner	SADT SAFR SBFR	UU	High Density Gel
1 ()) =	Extreme™ Liner	AKDT AKFR	UU	GripGel
() 	Extreme™ HD Liner	AKDTHD AKFRHD	UU	High Density Gel
+interne 1	ProFitLiner	PFGDT PFGFR	UU	OptiGel
1 Xorthe	SoftSil Liner	SSGSL SSGSC	UŲ	OptiSil
	EasyFlex™ Liner	EZF	Ų	EasyGel



THICKNESS	ACTIVITY LEVEL	RECOMMENDED FOR	PAGE
3 mm 6 mm	K1     K2     K3     K4	Transtibial and transfemoral users with medium to long residual limbs and for knee disarticulation.	46
3 mm 6 mm	<b>Ҟ҅</b> к1~ к2~ к3~ К4	Patients, both transfemoral and transtibial, with medium activity levels whose skin is in good condition and who are aiming to maintain a good level of control of the prosthetic leg.	50
3 mm 6 mm	<u><sup><sup>1</sup>/<sub>1</sub> <sup>1</sup>/<sub>2</sub> <sup>1</sup>/<sub>2</sub></sup></u> кі к2 - к3 - к4 -	Patients with medium and high activity levels as it offers a high level of control while preserving comfort. It is also recommended for patients whose residual limbs have excessive soft tissue and for transfemoral amputees.	52
3 mm 6 mm	K1     K2     K3     K4	Patients who demand comfort, control, and stability needed for high performance activities.	54
Э 3 mm	<u><sup><sup>8</sup>/<sub>1</sub> <sup>1</sup>/<sub>2</sub> <sup>2</sup>/<sub>2</sub></sup></u> к1 к2 - к3 - к4 -	Patients with medium to high activity levels as the fabric offers a high degree of control, while the soft silicone provides comfort. Further recommended for patients living in hot areas.	56
3 mm 6 mm	<mark>Ҟ҅ҧҞ҅҄ҀҀ҅҄҂ҳ҄</mark> к1ѵк2ѵк3ѵк4ѵ	It is recommended for diabetic and sensitive skin transtibial patients who have medium to high activity levels and using a pin and lock suspension.	58



### LINERS OVERVIEW





THICKNESS	NESS ACTIVITY LEVEL RECOMMENDED FOR		PAGE	
6 mm	<b>Ќ Ќ Ќ ~</b>	It is recommended for diabetic patients and those with sensitive skin or irregularly shaped residual limbs.	60	
6/3 mm tapered	К     К     К     К       K1     K2     K3     K4	It is indicated for transtibial users with medium and high activity levels who desire greater control and freedom of movement without sacrificing comfort.	62	
6 mm 6/3 mm distal proximal taper	К         К	It is recommended for transtibial patients with low and medium activity levels and sensitive skin.	64	
3 mm 6 mm	<b>ӄ҄ҧҠ҄ҧҀ҄ҧҀ҄</b> к1 ~ к2 ~ к3 ~ к4 ~	It is recommended to counter the problem of excessive perspiration.	66	

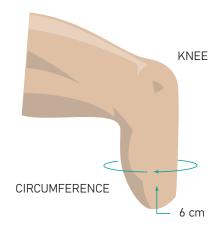


### **SLEEVES OVERVIEW**





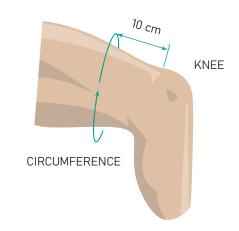
#### HOW TO SIZE LINERS



Measure the circumference of the stump at 6 cm above the distal end. Use the chart to select the size of the liner.

Example: for a measured circumference of 30 cm, select a 28 size liner.

#### HOW TO SIZE SLEEVES



Measure the circumference of the leg at 10 cm above the center of the knee. Use the chart to select the size of the sleeve.

Example: for a measured circumference of 32 cm, select a 24 size sleeve.



**ACTIVITY LEVEL** 

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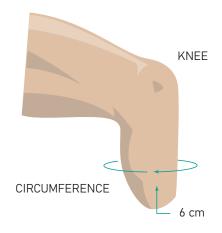
K1 ✓ K2 ✓ K3

### SLEEVES OVERVIEW

PICTURE	NAME	PART #	MATERIAL	THICKNESS	<b>KEY FEATURES</b>
	Anterior Posterior Tapered Sleeve	APS	HD Gel	6/3 mm tapered	Gradually tapered from the anterior to the posterior to provide superior comfort
	EasySleeve Fabric Reinforced	SFS	GripGel	3 mm 6 mm	Achieves secure suspension by sealing with the skin without restricting circulation
M	Reinforced Flex Sleeve	RFX	OptiGel	<b>3</b> mm	30° pre-flexion + an added layer of internal fabric for increased durability
ann: <u>54</u> 2	Reinforced Sleeve	RFS	OptiGel	3 mm	Constructed with an extra layer of internal fabric to deliver superior durability



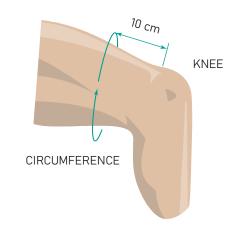
#### HOW TO SIZE LINERS



Measure the circumference of the stump at 6 cm above the distal end. Use the chart to select the size of the liner.

Example: for a measured circumference of 30 cm, select a 28 size liner.

#### HOW TO SIZE SLEEVES



Measure the circumference of the leg at 10 cm above the center of the knee. Use the chart to select the size of the sleeve.

Example: for a measured circumference of 32 cm, select a 24 size sleeve.



**ACTIVITY LEVEL** 

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Gel Technology

Knitting Technology

Silicone Technology

NRG<sup>™</sup> Technology

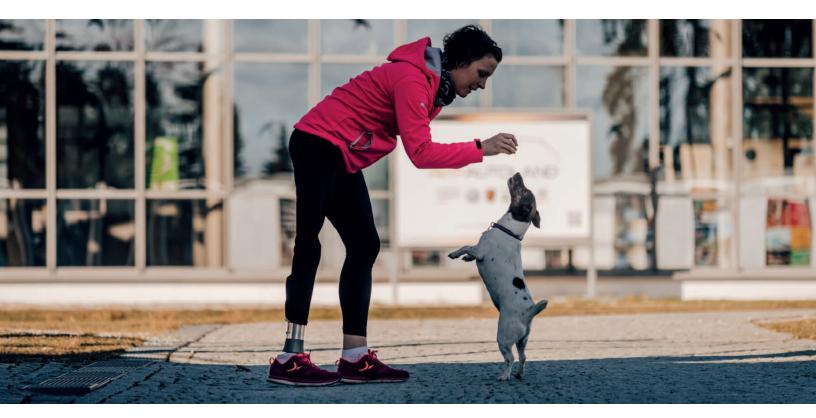
# OUR TECHNOLOGIES

### **GEL TECHNOLOGY**

ALPS<sup>®</sup> expertise in the field of chemistry and our position as a leading manufacturer of advanced gel-based medical devices have led to the development of a wide range of prosthetic liners and sleeves over the years, characterized by an innovative and unique product: our patented gel.

ALPS<sup>®</sup> Gel is a thermoplastic elastomer (TPE) which offers an optimum level of protection against shear forces and other stresses, guaranteeing the perfect combination of control and uniform distribution of pressure within the socket thanks to its characteristic low modulus of elasticity.

ALPS<sup>®</sup> Gel is far more flexible and resistant with respect to other thermoplastic gels being used in the lower limb prosthetic liner industry. ALPS<sup>®</sup> Gel offers up to six times the elasticity of other thermoplastic (TPE) gels on the market. It is this important mechanical property that allows ALPS<sup>®</sup> Gel to guarantee prosthetic leg wearers the comfort, durability, control and safety they need to grant them the mobility and freedom of movement.







## Four types of ALPS<sup>®</sup> Gels to serve the mobility needs of prosthetic leg wearers.

ALPS<sup>®</sup> makes four types of gels to meet the needs of every individual prosthetic leg user whose requirements vary based on their clinical condition and lifestyle: EasyGel, HD Gel, GripGel, and OptiGel. The full range of ALPS<sup>®</sup> Gels means that each patient will be able to find his or her own, unique, perfect comfort.



#### EASYGEL

EASYGEL was the first kind of gel developed by ALPS<sup>®</sup>. It is characterized by its soft, powdery texture. It is rich in antioxidants that are an effective scavenger of free radicals and hydroxyl groups. Best for use on amputees with adherent scar tissue, skin irritations, sensitive skin and diabetics.



#### HIGH DENSITY GEL (Silicone equivalent)

Dense, firm texture. Relatively firm nature of the HD Gel combines comfort with control and stability. Best for use on highly active patients who are transitioning from a silicone liner to a gel liner.



#### GRIPGEL

Smooth, tacky texture. Tackiness helps in reducing bunching in the popliteal area. Best for use on amputees with healthy skin tissue.



#### **OPTIGEL**

This exlusive, white TPE gel ensures excellent adhesion to the residual limb, making it the optimal choice for users who demand ultimate comfort, control, and stability.



The choice of fabric used for producing prosthetic sleeves and liners is fundamental for guaranteeing maximum comfort and safety.

This is why ALPS<sup>®</sup> began manufacturing its own fabrics years ago: to be sure to offer a product that best meets the functional needs of prosthetic wearers. The fabric needs to do more than just protect the materials used in making the liners and extend their durability; it must also be able to generate a greater, lesser or differentiated level of tension depending on the needs of the individual user. ALPS<sup>®</sup> manufactures and uses five types of fabric: beige, brown, black, gray and knitted.

These five types of fabric are not differentiated merely by color and manufacturing process, they also each have distinctive characteristics and functions in order to provide each prosthetic leg wearer with the specific benefits he or she needs based on individual lifestyles and clinical conditions.







#### **BEIGE FABRIC**

#### Beige fabric stretches both vertically and horizontally

The fabric's stretch allows the liner to adapt to the shape of the residual limb as it moves to guarantee maximum comfort.



#### **BROWN FABRIC**

#### Brown fabric has reduced vertical elasticity

Vertical stretch is reduced by 80% compared to the beige fabric, allowing a greater level of control and stability of the prosthesis. Ideal for active patients.



#### **BLACK FABRIC**

#### Black fabric with greatly reduced vertical stretch

Vertical stretch is 90% lower than the beige fabric, allowing a greater level of control and stability of the prosthesis. Ideal for active patients.



#### **GRAY FABRIC**

#### Gray fabric with increased reduction of vertical stretch

Minimal vertical stretch allows for a high level of control and freedom of movement. Ideal for active patients.



#### **KNITTED FABRIC**

ALPS<sup>®</sup> years of experience in manufacturing fabrics has played a fundamental role in the development of our latest innovation: products created using ALPS<sup>®</sup> knitted fabric.

Our latest fabric manufacturing process has allowed us to:

- · Create products totally devoid of any stitching
- Maintain control of the tension in each section of the liner to maximize and reduce the effects of pistoning
- Integrate a matrix in the distal construction of our locking liners
- Integrate a distal matrix to limit elongation / U matrix or Regular Matrix



### SILICONE TECHNOLOGY

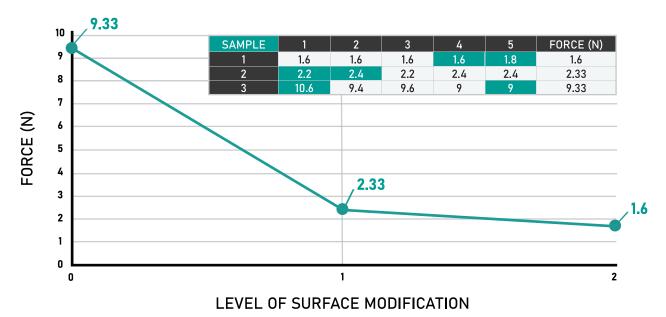
### ALPS<sup>®</sup> has introduced innovative and skin friendly silicone prosthetic liners for lower limb amputation.

These liners provide a solution to some of the clinical problems and disadvantages of silicone in skin-contact applications due to the inherently high coefficient of static friction typical of silicone polymers.

ALPS<sup>®</sup> expertise in processing silicone allowed our engineers to come up with a new manufacturing method which improved the friction characteristics of the silicone prosthetic liner.

The surface of the prosthetic liner has been modified, to create micro craters that reduce the static friction without any additives, resulting in a completely skin friendly silicone.

Silicone with the modified surface layer shows a reduction of 80% of the coefficient of static friction, as shown in the graph below.



#### **Friction Testing**





ALPS<sup>®</sup> Silicone liners are manufactured using pure silicone. This makes our silicone liners suitable for a wide range of amputees, including elderly and vascular patients with a lower limb amputation.

The silicone products stand alongside our other liners manufactured in EasyGel, Grip Gel, High Density Gel (Silicone Equivalent), and the newest OptiGel.

ALPS<sup>®</sup>' silicone is lightweight, hypoallergenic, cool and additive-free and creates only one-fifth the friction of normal silicone. The technology used to create this particular silicone is of fundamental importance, allowing ALPS<sup>®</sup> to design and produce silicone liners for prosthetic legs which can guarantee:

- Freedom of movement
- Maximum gentleness on the skin
- Cooling effect
- Ease of cleaning





### NRG TECHNOLOGY

### Inspired by Nature. Empowered by Technology.

NRG<sup>™</sup> - Natural Reactive Gait - is a patented innovative dynamic response foot technology designed to replicate the natural movement of the calf and shin muscles.



## ONE FOOT, MULTIPLE POSSIBILITIES.





#### **KEY FEATURES**



Unique multilayer construction



Exclusive and patented reverse shank design



Advanced flexible ergonomic design

#### **KEY BENEFITS**

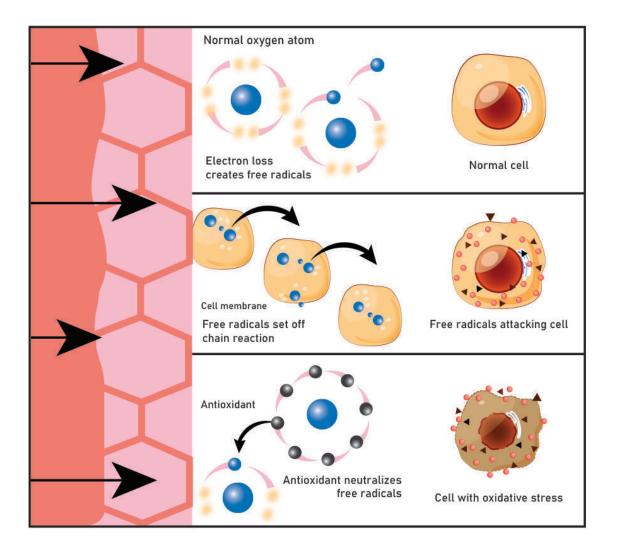
- Physiological and energy efficient gait
- Smooth rollover during the whole gait cycle
- High dynamic response to support an active lifestyle
- Possibility to do a wide range of activities with just one single foot
- Ground compliance and stability on all terrains
- Reduction of secondary issues thanks to a more balanced posture and symmetrical gait
- Low maintenance
- Lightweight
- Waterproof





### ALPS<sup>®</sup> EasyLiner<sup>®</sup> contains an antioxidant that is an effective scavenger of free radicals and hydroxyl groups.

Beneficial effects to the skin of patients have been reported. These stories have been provided here as anectodal evidence of the benefits that some patients have reported.





### **DIABETIC AMPUTEE**

Case history provided by: Jim McElhiney, CPO, Nashville (USA).

This patient is a severe diabetic, insulin dependent with compromised vascularization. A local hospital called Jim McElhiney, CPO in Nashville (USA), to evaluate this patient.

The first two pictures have been taken prior to the fitting by Jim McElhiney. The patient had been out of her prosthesis for 3 weeks and was being treated with wet and dry dressing. She was then fitted with ALPS<sup>®</sup> EasyLiner<sup>®</sup> (Cushion Liner) and ALPS<sup>®</sup> Easysleeve (Sealing Sleeve), creating a suction suspension system.





### CASE STUDY 2

### **PATIENT WITH DERMATITIS**

Case history provided by: Wayne Sadler, CPO, Kentucky (USA).

This patient has been diagnosed with Contact Dermatitis. He followed the simple cleaning procedures as reccommended by the manufacturer.

When that wasn't enough, he started using our product, these are the results.





### **A DIFFICULT RESIDUAL LIMB**

Case history provided by: Palgi Orthopaedic, Israel.



Before, when wearing a silicone liner.



After, when fitted with ALPS® EasyLiner® during 4 weeks.



# PROSTHETIC LINERS

### A SECOND SKIN

A prosthetic liner serves to cover and protect the residual limb like a second skin and plays a key role in the suspension system of the prosthesis, increasing comfort and minimizing the risk of skin irritations. ALPS<sup>®</sup> complete range of prosthetic liners is designed to focus on the needs of the individual to offer all users the best possible solution based on their specific needs.

### **EasyLiner**<sup>®</sup>

Patent No. 6,454,812\* | 7,709,570 | 7,709,570

ALPS<sup>®</sup> EasyLiner<sup>®</sup> contains a prolonged-released antioxidant, an effective scavenger of free radicals and hydroxyl groups, with beneficial effects on the skin.

It provides the softness, strength, and cushioning from its use of ALPS<sup>®</sup> EasyGel, relieving the residual limb from the stress created by vertical and shear forces. It delicately conforms to the shape of the residual limb without restricting blood flow. It can be easily donned even by geriatric patients and users with reduced manual dexterity.





### Key Benefits



Indicated for delicate skin and diabetic patients thanks to the antioxidants contained in the gel



Protects the residual limb thanks to the high capacity of the EasyGel to absorb vertical and shear forces



Further relieves the skin from stress generated by shear forces thanks to its low coefficient of static friction



Delicately conforms to the shape of the residual limb and does not restrict blood flow



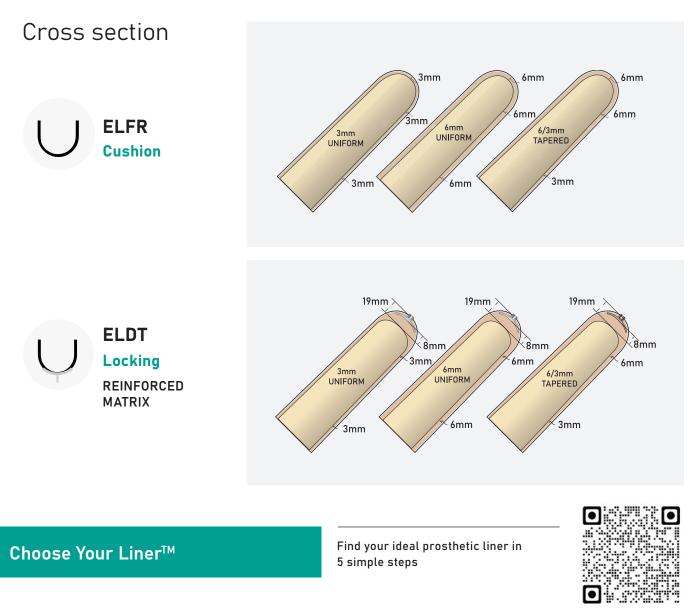
Easy to don also for patients with reduced manual dexterity



### EasyLiner<sup>®</sup> ELDT/ELFR. Sizing Chart.

Measure the circumference of the stump at 6 cm above the distal end.

Measured size (cm)	Locking 3mm, 6mm, 6/3mm or 9mm	Cushion 3mm, 6mm, 6/3mm or 9mm	
10-15 cm	N.A.	ELFR10-(3 or 6)	
16-19 cm	ELDT16-(3, 6, or 6/3)	ELFR16-(3, 6, or 6/3)	
20-23 cm	ELDT20-(3, 6, or 6/3)	ELFR20-(3, 6, or 6/3)	
24-25 cm	ELDT24-(3, 6, 6/3, or 9)	ELFR24-(3, 6, 6/3, or 9)	
26-27 cm	ELDT26-(3, 6, or 6/3)	ELRF26-(3, 6, or 6/3)	
28-31 cm	ELDT28-(3, 6, 6/3, or 9)	ELRF28-(3, 6, 6/3, or 9)	
32-37 cm	ELDT32-(3, 6, or 6/3)	ELFR32-(3, 6, or 6/3)	
38-43 cm	ELDT38-(3, 6, or 6/3)	ELFR38-(3, 6, or 6/3)	
44-53 cm	ELDT44-(3, 6, or 6/3)	ELFR44-(3, 6, or 6/3)	





### Silicone PRO Liner

Patent No. 5,507,834\* | 6,454,812\*

The Silicone PRO liner is manufactured with medical grade hypoallergenic silicone. The surface of the silicone features a low coefficient of static friction (1/5 of regular silicone). Without any additives, it is a hypoallergenic liner, very delicate on the skin. The liner is extremely lightweight and promotes the skin's natural thermoregulation.

The locking version features an innovative U matrix to limit vertical stretch while not constraining the residual limb.





### Key Benefits

Does not constrict the residual limb and minimizes the pistoning effect thanks to the innovative U matrix (locking version)

Great freedom of movement thanks to the 3 mm posterior thickness



Indicated for delicate skin since it is made of medical grade hypoallergenic silicone

 $(\mathbf{1})$ 

Minimizes friction to the residual limb due to its low coefficient of friction



Helps the thermoregulation of the residual limb

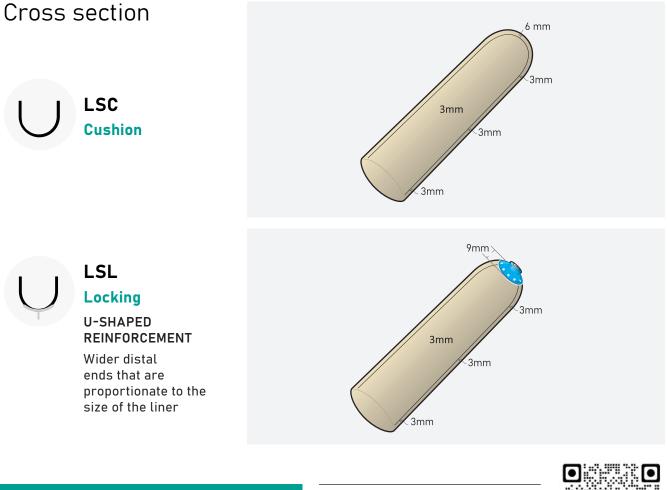




### Silicone PRO Liner LSC/LSL. Sizing Chart.

Measure the circumference of the stump at 6 cm above the distal end.

Measured size (cm)	Locking 3.0 mm uniform	Cushion 3.0 mm uniform
20-22 cm	LSL3.0-20	LSC3.0-20
22-24 cm	LSL3.0-22	LSC3.0-22
24-26 cm	LSL3.0-24	LSC3.0-24
26-28 cm	LSL3.0-26	LSC3.0-26
28-30 cm	LSL3.0-28	LSC3.0-28
30-32 cm	LSL3.0-30	LSC3.0-30
32-35 cm	LSL3.0-32	LSC3.0-32
35-38 cm	LSL3.0-35	LSC3.0-35
38-41 cm	LSL3.0-38	LSC3.0-38
41-44 cm	LSL3.0-41	LSC3.0-41
44-47 cm	LSL3.0-44	LSC3.0-44



#### Choose Your Liner<sup>™</sup>





## Superior Performance Liner

Patent No. 6,454,812\*

ALPS<sup>®</sup> Superior Performance prosthetic liner combines a limited vertical stretch fabric with our Grip Gel.

Grip Gel, with its softness, strength, and cushioning provides the greatest possible protection to the residual limb. The fabric, with its limited vertical elongation, improves control and stability of the prosthetic leg by reducing pistoning. The result is a comfortable liner, indicated for patients with low and medium activity levels.





### Key Benefits

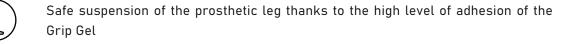
Protects the residual limb thanks to the high capacity of the Grip Gel to absorb vertical and shear forces



Improves control of the prosthetic leg thanks to the limited vertical stretch of the fabric



Reduces pistoning thanks to the fabric's limited vertical stretch and the distal matrix (locking version)

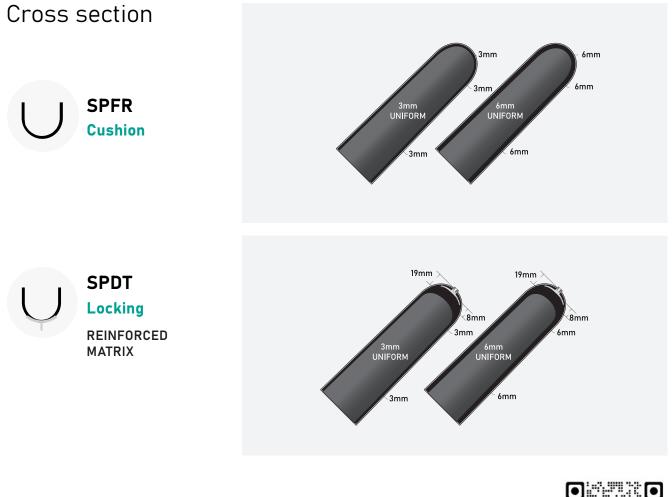




### Superior Performance Liner SPDT/SPFR. Sizing Chart.

Measure the circumference of the stump at 6 cm above the distal end.

Measured size (cm)	Locking 3mm or 6mm uniform	Cushion 3mm or 6mm uniform
16-19 cm	SPDT16-( 3 or 6)	SPFR16-( 3 or 6)
20-23 cm	SPDT20-( 3 or 6)	SPFR20-( 3 or 6)
24-25 cm	SPDT24-( 3 or 6)	SPFR24-( 3 or 6)
26-27 cm	SPDT26-( 3 or 6)	SPFR26-( 3 or 6)
28-31 cm	SPDT28-( 3 or 6)	SPFR28-( 3 or 6)
32-37 cm	SPDT32-( 3 or 6)	SPFR32-( 3 or 6)
38-43 cm	SPDT38-( 3 or 6)	SPFR38-( 3 or 6)
44-53 cm	SPDT44-( 3 or 6)	SPFR44-( 3 or 6)



#### Choose Your Liner<sup>™</sup>





# Superior Performance HD Liner

Patent No. 6,454,812\*

ALPS<sup>®</sup> Superior Performance prosthetic liner, in its HD Gel version, provides the patient with comfort and control.

The HD Gel provides relieves the residual limb from vertical and shear forces; at the same time, it makes the liner more compact. The fabric, with its limited vertical elongation, further limits the vertical pistoning.





### Key Benefits

Reduces pistoning thanks to the fabric's limited vertical stretch and the distal matrix (locking version)

Minimizes the movement of soft tissue and provides a high level of control of the prosthetic leg by combining the properties of the High Density Gel with those of the limited vertical stretch fabric

 $\bigcirc$ 

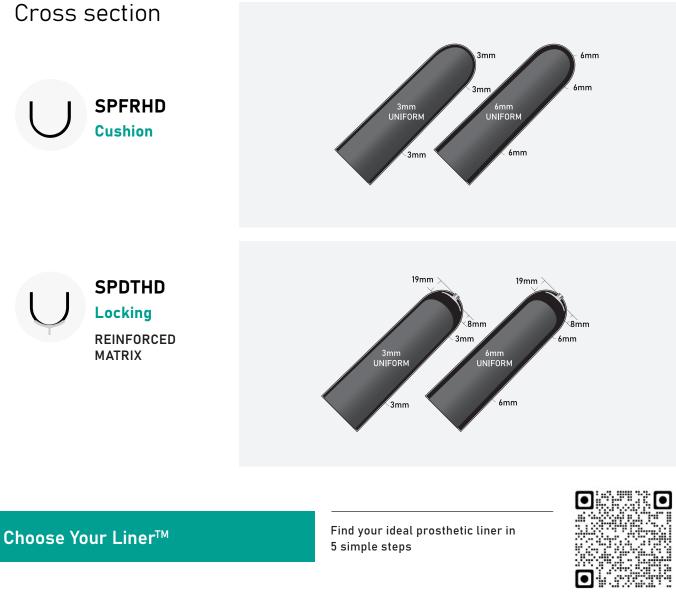
Protects the residual limb thanks to the high capacity of the HD Gel to absorb vertical and shear forces



### Superior Performance Liner SPDTHD/SPFRHD. Sizing Chart.

Measure the circumference of the stump at 6 cm above the distal end.

Measured size (cm)	Locking 3mm or 6mm uniform	Cushion 3mm or 6mm uniform
16-19 cm	SPDTHD16-( 3 or 6)	SPFRHD16-( 3 or 6)
20-23 cm	SPDTHD20-(3 or 6)	SPFRHD20-( 3 or 6)
24-25 cm	SPDTHD24-(3 or 6)	SPFRHD24-(3 or 6)
26-27 cm	SPDTHD26-(3 or 6)	SPFRHD26-(3 or 6)
28-31 cm	SPDTHD28-( 3 or 6)	SPFRHD28-(3 or 6)
32-37 cm	SPDTHD32-(3 or 6)	SPFRHD32-( 3 or 6)
38-43 cm	SPDTHD38-( 3 or 6)	SPFRHD38-( 3 or 6)
44-53 cm	SPDTHD44-(3 or 6)	SPFRHD44-(3 or 6)





### **General Purpose Liner**

Patent No. 6,454,812\*

The General Purpose liner contains the softness, strength, and cushioning of our Grip Gel, relieving the residual limb from the stress generated by vertical and shear forces The superior elongation of this prosthetic liner means that blood flow is not restricted and it allows the liner to delicately conform to the shape of the residual limb. It is easily donned even by geriatric patients or those with reduced manual dexterity.





### **Key Benefits**



Delicately conforms to the shape of the residual limb and does not restrict blood flow



Easy to don also for patients with reduced manual dexterity



Protects the residual limb thanks to the high capacity of the Grip Gel to absorb vertical and shear forces



Safe suspension of the prosthesis due to the superior adhesive properties of the Grip Gel

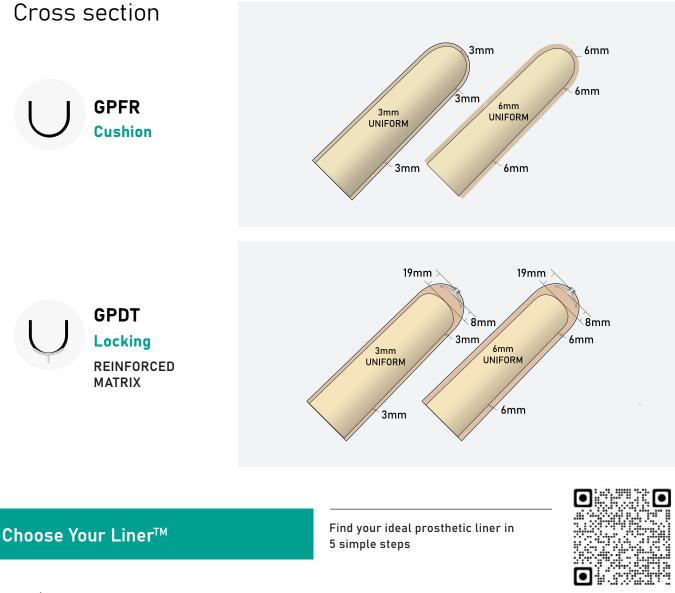


### General Purpose Liner GPDT/GPFR. Sizing Chart.

Measure the circumference of the stump at 6 cm above the distal end.

Measured size (cm)	Locking 3mm or 6mm uniform	Cushion 3mm or 6mm uniform
16-19 cm	GPDT16-(3 or 6)	GPFR16-(3 or 6)
20-23 cm	GPDT20-(3 or 6)	GPFR20-(3 or 6)
24-25 cm	GPDT24-(3 or 6)	GPFR24-(3 or 6)
26-27 cm	GPDT26-(3 or 6)	GPRF26-(3 or 6)
28-31 cm	GPDT28-(3 or 6)	GPRF28-(3 or 6)
32-37 cm	GPDT32-(3 or 6)	GPFR32-(3 or 6)
38-43 cm	GPDT38-(3 or 6)	GPFR38-(3 or 6)
44-53 cm	GPDT44-(3 or 6)	GPFR44-(3 or 6)
44-70 cm*	GPDT-XL*	N.A.

\*GPDT-XL comes in 3mm thickness only. It features a larger umbrella and a U-Shaped matrix. Ideal for bariatric patients.





### Eco<sup>™</sup> Liner

Patent No. 6,454,812\* | 7,709,570 | 10,966,845 | 7,709,570

ALPS<sup>®</sup> Eco<sup>™</sup> Liner eatures an innovative knitted fabric with areas of varying elasticity to improve the control of the prosthetic leg. The HD Gel helps keep the residual limb more compact and provides enhanced stability to the prosthetic leg, at the same time ensuring a high level of protection from vertical and shear forces. The locking version features an innovative U matrix to limit the vertical stretch without constraining the residual limb.





### Key Benefits



Protects the residual limb thanks to the high capacity of the HD Gel to absorb vertical and shear forces

Ensures maximum control of the prosthetic leg and minimizes soft tissue movement thanks to the High Density Gel



Improved comfort due to the effect of the innovative seamless knitted fabric providing areas of varying levels of elasticity



Does not constrict the residual limb and minimizes the pistoning effect thanks to the innovative U matrix (locking version)



### Eco<sup>™</sup> Liner ECDTHD/ECFRHD. Sizing Chart.

Measure the circumference of the stump at 6 cm above the distal end.

Measured size (cm)	Locking 3mm or 6mm uniform	Cushion 3mm or 6mm uniform
20-23 cm	ECDTHD20-(3 or 6)	ECFRHD20-( 3 or 6)
24-25 cm	ECDTHD24-(3 or 6)	ECFRHD24-( 3 or 6)
26-27 cm	ECDTHD26-(3 or 6)	ECFRHD26-( 3 or 6)
28-31 cm	ECDTHD28-(3 or 6)	ECFRHD28-(3 or 6)
32-37 cm	ECDTHD32-( 3 or 6)	ECFRHD32-( 3 or 6)
38-43 cm	ECDTHD38-(3 or 6)	ECFRHD38-(3 or 6)
44-53 cm	ECDTHD44-(3 or 6)	ECFRHD44-(3 or 6)



#### Choose Your Liner<sup>™</sup>





### Smart Seal<sup>™</sup> Liner

Patent No. 6,454,812\* | 8,852,291 | 9,216,099 | 11,179,252 | 8,852,291 9,216,099 | 11,179,252

ALPS<sup>®</sup> Smart Seal liner features integrated, silicone coated sealing bands that create a safe interface.

The bands stretch against the socket wall, preventing the liner from slipping.

The inner HD Gel layer, thanks to its low modulus of elasticity, easily conforms to the residual limb without restricting the blood flow.

It is available in two configurations with different sealing band heights.





### Key Benefits

Ensures a high level of control of the prosthetic leg and minimizes soft tissue movement thanks to the High Density Gel

 $(\oslash)$ 

Non-constrictive hypobaric suspension thanks to its integrated, silicone coated sealing bands

Indicated both for transtibial and transfemoral users since the sealing bands are available in two different configurations

Maximum stability of the liner within the socket due to the High Density Gel and the use of a limited vertical stretch fabric in the distal area



### Smart Seal™ Liner SAFR/SADT/SBFR. Sizing Chart.

Measure the circumference of the stump at 6 cm above the distal end.

Measured size (cm)	SAFR - Cushion 3mm or 6mm uniform	Measured size (cm)	SBFR - Cushion 3mm or 6mm uniform
26-27 cm	SAFR26-(3 or 6)	20-23 cm	SBFR20-(3 or 6)
28-31 cm	SAFR28-(3 or 6)	24-25 cm	SBFR24-(3 or 6)
32-34 cm	SAFR32-(3 or 6)	26-27 cm	SBFR26-(3 or 6)
35-37 cm	SAFR35-(3 or 6)	28-31 cm	SBFR28-(3 or 6)
38-43 cm	SAFR38-(3 or 6)		
		Macourad size (am)	SADT - Locking

#### SAFR

Rings begin 12.5 cm from the center of the distal end.

#### SBFR

Rings begin 7.5 cm from the center of the distal end.

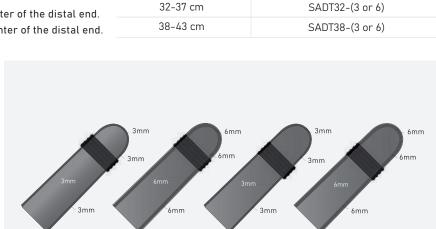
SAFR/SBFR

**Hypobaric** 

#### SADT

Sizes 20-28: rings begin 7.5 cm from the center of the distal end. Sizes 32-38: rings begin 12.7 cm from the center of the distal end.

#### Cross section



Measured size (cm)

20-23 cm

24-25 cm

26-27 cm

28-31 cm

3mm or 6mm uniform

SADT20-(3 or 6)

SADT24-(3 or 6)

SADT26-(3 or 6)

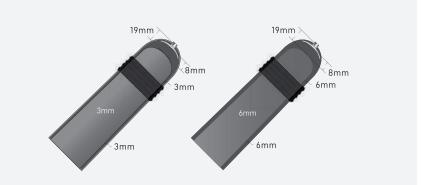
SADT28-(3 or 6)



#### SADT Locking

#### U-SHAPED REINFORCEMENT

Wider distal ends that are proportionate to the size of the liner



#### Choose Your Liner<sup>™</sup>





# Extreme<sup>™</sup> Liner

Patent No. 6,454,812\*

The ALPS® Extreme prosthetic liner combines softness, strength, and cushioning from our Grip Gel with a fabric with limited vertical stretch. It improves the control of the prosthetic leg and reduces pistoning, while still providing superior protection of the residual limb. The superior adhesion of the Grip Gel allows the safe suspension of the prosthetic leg. The result is a comfortable and versatile liner, indicated for patients with low and medium activity levels.





### Key Benefits

Protects the residual limb thanks to the high capacity of the Grip Gel to absorb vertical and shear forces



Improves control of the prosthetic leg thanks to the limited vertical stretch of the fabric



Reduces pistoning thanks to the fabric's limited vertical stretch and the distal matrix (locking version)

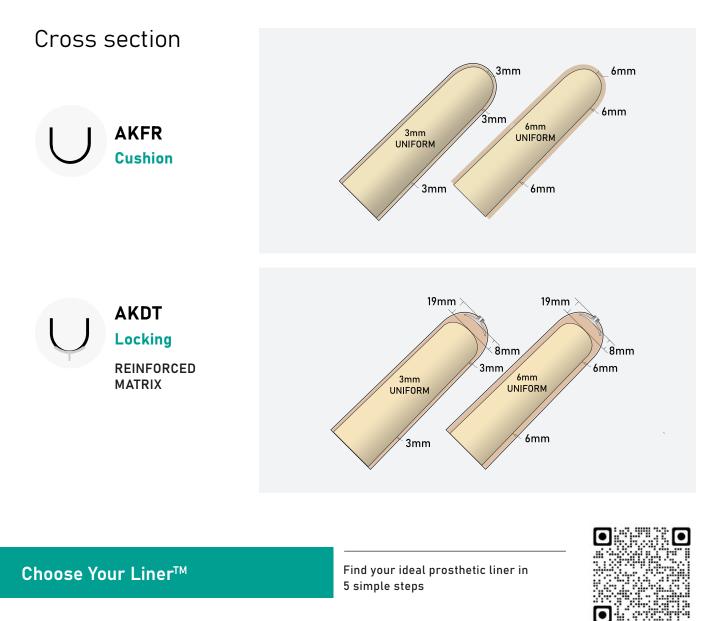
Safe suspension of the prosthesis due to the superior adhesive properties of the Grip Gel



### Extreme<sup>™</sup> Liner AKDT/AKFR. Sizing Chart.

Measure the circumference of the stump at 6 cm above the distal end.

Measured size (cm)	Locking 3mm or 6mm uniform	Cushion 3mm or 6mm uniform
16-19 cm	AKDT16-( 3 or 6)	AKFR16-( 3 or 6)
20-23 cm	AKDT20-( 3 or 6)	AKFR20-( 3 or 6)
24-25 cm	AKDT24-( 3 or 6)	AKFR24-( 3 or 6)
26-27 cm	AKDT26-( 3 or 6)	AKFR26-( 3 or 6)
28-31 cm	AKDT28-( 3 or 6)	AKFR28-( 3 or 6)
32-37 cm	AKDT32-( 3 or 6)	AKFR32-( 3 or 6)
38-43 cm	AKDT38-( 3 or 6)	AKFR38-( 3 or 6)
44-53 cm	AKDT44-( 3 or 6)	AKFR44-( 3 or 6)





## Extreme<sup>™</sup> HD Liner

Patent No. 6,454,812\*

ALPS<sup>®</sup> Extreme<sup>™</sup> prosthetic liner, in its HD Gel version, provides the patient with comfort and control. The HD Gel relieves the residual limb from vertical and shear forces; at the same time, it makes the liner more compact. The fabric, with its limited vertical elongation, further limits vertical pistoning. This makes it an ideal liner for the most active users who are looking to maintain maximum control of the prosthetic leg without compromising comfort.





### Key Benefits

Reduces pistoning thanks to the fabric's limited vertical stretch and the distal matrix (locking version)

Minimizes the movement of soft tissue and provides a high level of control of the prosthetic leg by combining the properties of the High Density Gel with those of the limited vertical stretch fabric

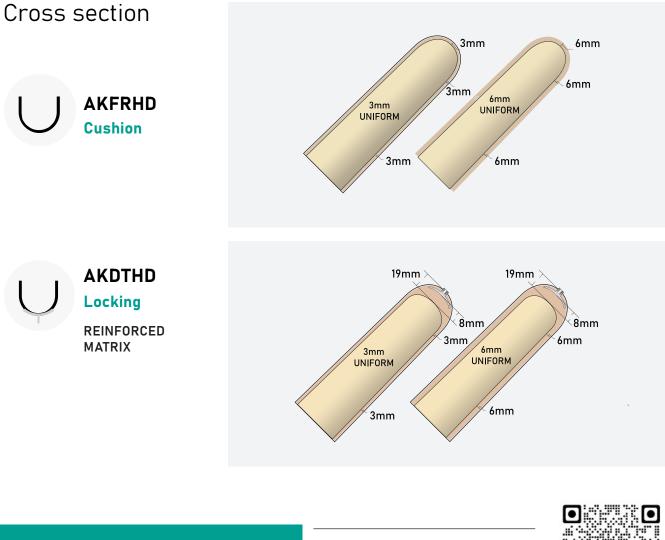
Protects the residual limb thanks to the high capacity of the HD Gel to absorb vertical and shear forces



### Extreme<sup>™</sup> Liner AKDTHD/AKFRHD. Sizing Chart.

Measure the circumference of the stump at 6 cm above the distal end.

Measured size (cm)	Locking 3mm or 6mm uniform	Cushion 3mm or 6mm uniform
16-19 cm	AKDTHD16-( 3 or 6)	AKFRHD16-( 3 or 6)
20-23 cm	AKDTHD20-( 3 or 6)	AKFRHD20-( 3 or 6)
24-25 cm	AKDTHD24-(3 or 6)	AKFRHD24-(3 or 6)
26-27 cm	AKDTHD26-(3 or 6)	AKFRHD26-(3 or 6)
28-31 cm	AKDTHD28-(3 or 6)	AKFRHD28-( 3 or 6)
32-37 cm	AKDTHD32-( 3 or 6)	AKFRHD32-( 3 or 6)
38-43 cm	AKDTHD38-(3 or 6)	AKFRHD38-( 3 or 6)
44-53 cm	AKDTHD44-(3 or 6)	AKFRHD44-( 3 or 6)



Choose Your Liner<sup>™</sup>





# **ProFit Liner**

ALPS® Pro-Fit is a prosthetic liner made with OptiGel that ensures excellent conformability to the residual limb. At the same time, its new and improved distal end encapsulation allows the user to experience a highly secure fit, resulting in enhanced control, comfort, and safety.





### Key Benefits

New encapsulation allows the liner to fit better on the residual limb



Improves the control of the prosthetic leg and reduces pistoning while still providing superior protection of the residual limb



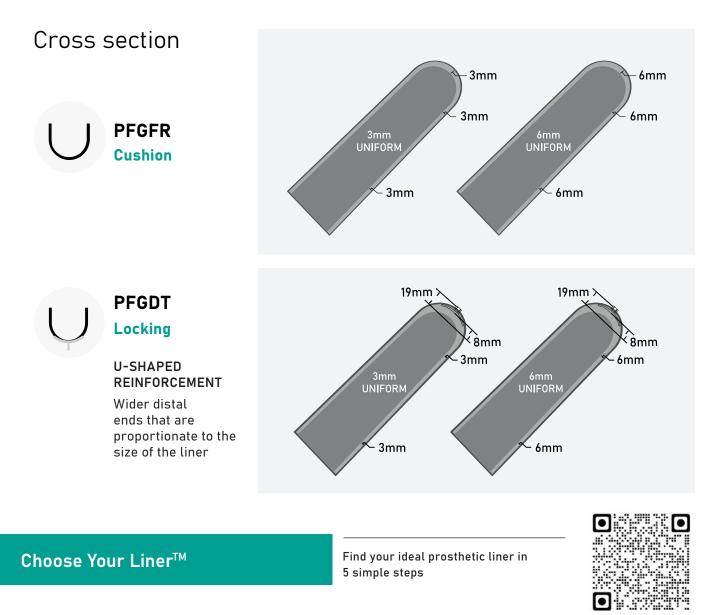
The superior adhesion of the OptiGel allows the safe suspension of the prosthetic leg



### ProFit Liner PFGDT/PFGFR. Sizing Chart.

Measure the circumference of the stump at 6 cm above the distal end.

Measured size (cm)	Locking 3mm or 6mm uniform	Cushion 3mm or 6mm uniform
20-23 cm	PFGDT20-( 3 or 6)	PFGFR20-( 3 or 6)
24-25cm	PFGDT24-( 3 or 6)	PFGFR24-( 3 or 6)
26-27 cm	PFGDT26-( 3 or 6)	PFGFR26-( 3 or 6)
28-31 cm	PFGDT28-( 3 or 6)	PFGFR28-( 3 or 6)
32-37 cm	PFGDT32-( 3 or 6)	PFGFR32-( 3 or 6)
38-43 cm	PFGDT38-( 3 or 6)	PFGFR38-( 3 or 6)
44-53 cm	PFGDT44-( 3 or 6)	PFGFR44-(3 or 6)





### SoftSil Liner

Patent No. 11,602,445

ALPS® SoftSil Liner delivers the same medicalgrade qualities as our popular Silicone Pro but with enhanced features. Made with OptiSil, our new, soft, white silicone, and gray knitted fabric, the liner effectively offers a high degree of control and excellent freedom of movement without sacrificing a comfortable suspension in the user's prostheses.





### Key Benefits

Medical grade, white silicone with 1/5 the friction of regular silicone offers superior comfort

Increased reduction of vertical stretch provides users with greater control and freedom of movement

Reduced pistoning

Skin friendly

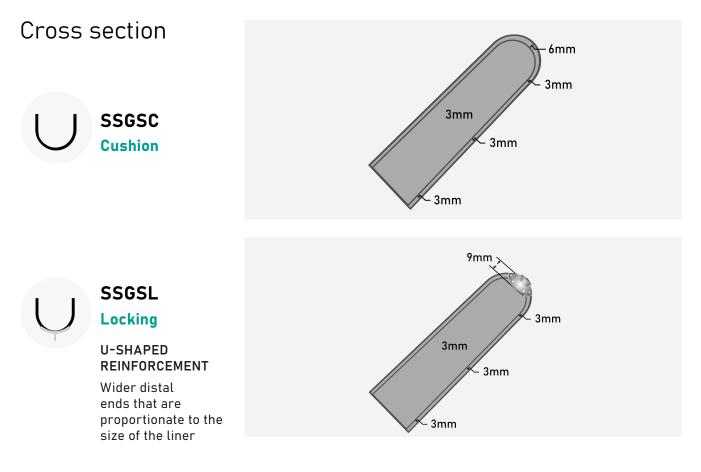
Thin, lightweight & cooling



### SoftSil Liner SSGSL/SSGSC. Sizing Chart.

Measure the circumference of the stump at 6 cm above the distal end.

Measured size (cm)	Locking 3.0 mm uniform	Cushion 3.0 mm uniform
20-22 cm	SSGSL-20	SSGSC-20
22-24 cm	SSGSL-22	SSGSC-22
24-26 cm	SSGSL-24	SSGSC-24
26-28 cm	SSGSL-26	SSGSC-26
28-30 cm	SSGSL-28	SSGSC-28
30-32 cm	SSGSL-30	SSGSC-30
32-35 cm	SSGSL-32	SSGSC-32
35-38 cm	SSGSL-35	SSGSC-35
38-41 cm	SSGSL-38	SSGSC-38
41-44 cm	SSGSL-41	SSGSC-41
44-47 cm	SSGSL-44	SSGSC-44



#### Choose Your Liner<sup>™</sup>





### EasyFlex<sup>™</sup> Liner

Patent No. 6,454,812\* | 7,709,570 | 8,226,732 | 8,246,694 | 8,349,021

ALPS<sup>®</sup> EasyFlex<sup>™</sup> prosthetic liner allows users ease of knee flexion thanks to an unlimited restriction of stretch anteriorly. Posteriorly the fabric, with its limited vertical stretch, improves the control of the prosthetic leg. The prolonged-released antioxidant contained in the EasyGel is an effective scavenger of free radicals and hydroxyl groups, providing beneficial effects on the skin. The EasyFlex<sup>™</sup> Liner is designed for use with a pin and lock suspension system.





### Key Benefits



Indicated for delicate skin and diabetic patients thanks to the antioxidants contained in the gel



Protects the residual limb thanks to the high capacity of the EasyGel to absorb vertical and shear forces



Further relieves the skin from stress generated by shear forces thanks to its low coefficient of static friction

Allows an easy knee flexion and improves the control of the prosthetic leg, since it has been engineered using two types of fabric with different elasticity

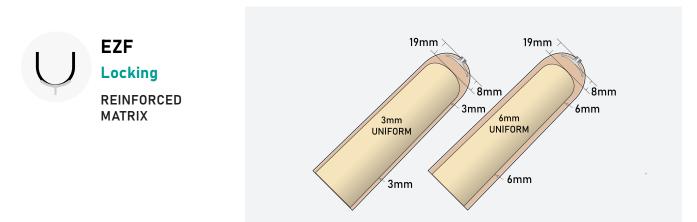


### EasyFlex<sup>™</sup> Liner EZF. Sizing Chart.

Measure the circumference of the stump at 6 cm above the distal end.

Measured size (cm)	Locking 3mm or 6mm uniform
16-19 cm	EZF16-(3 or 6)
20-23 cm	EZF20-(3 or 6)
24-25 cm	EZF24-(3 or 6)
26-27 cm	EZF26-(3 or 6)
28-31 cm	EZF28-(3 or 6)
32-37 cm	EZF32-(3 or 6)
38-43 cm	EZF38-(3 or 6)
44-53 cm	EZF44-(3 or 6)

#### Cross section



Choose Your Liner<sup>™</sup>





# EasyLiner<sup>®</sup> SuperStretch

Patent No.7,709,570

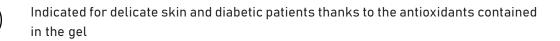
ALPS<sup>®</sup> EasyLiner<sup>®</sup> SuperStretch is a soft, robust and versatile prosthetic liner made of EasyGel without the restriction of a fabric cover.

It allows complete freedom of movement and conforms to irregularly shaped residual limbs without restricting blood flow. Due to the low coefficient of friction of the EasyGel, it relieves the skin from the stress created by shear forces. The prolonged-released antioxidant has beneficial effects on the skin.





### Key Benefits



Protects the residual limb thanks to the high capacity of the EasyGel to absorb vertical and shear forces



Further relieves the skin from stress generated by shear forces thanks to its low coefficient of static friction

Made of EasyGel with no fabric cover, it allows a superior fit to irregular shapes without constricting the residual limb

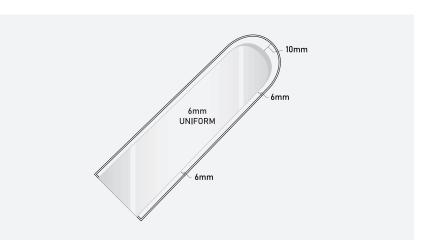


# EasyLiner<sup>®</sup> SuperStretch ELPX. Sizing Chart. Measure the circumference of the stump at 6 cm above the distal end.

Measured size (cm)	Cushion 6mm uniform
10-15 cm	ELPX-10
16-19 cm	ELPX-16
20-23 cm	ELPX-20
24-25 cm	ELPX-24
26-27 cm	ELPX-26
28-31 cm	ELPX-28
32-37 cm	ELPX-32
38-43 cm	ELPX-38

#### Cross section





#### Choose Your Liner™





# **Anterior Posterior Tapered Liner**

Patent No.6,454,812\* | 8,226,732 | 8,246,694 | 8,349,021 | 8,226,732

ALPS<sup>®</sup> AP Tapered Liner is gradually tapered from the thicker anterior to the thinner posterior side to provide freedom of movement to transtibial users.

The 6 mm frontal wall ensures a high level of protection to bony areas. By combining a high density gel with a limited vertical stretch fabric, this liner minimizes soft tissue movement and reduces vertical pistoning, offering a high level of control of the prosthetic leg.





### Key Benefits

Reduces pistoning thanks to the fabric's limited vertical stretch and the distal matrix (locking version)

Protects the residual limb thanks to the high capacity of the HD Gel to absorb vertical and shear forces

Protects bony areas with its 6 mm anterior wall thickness

Great freedom of movement thanks to the 3 mm posterior thickness

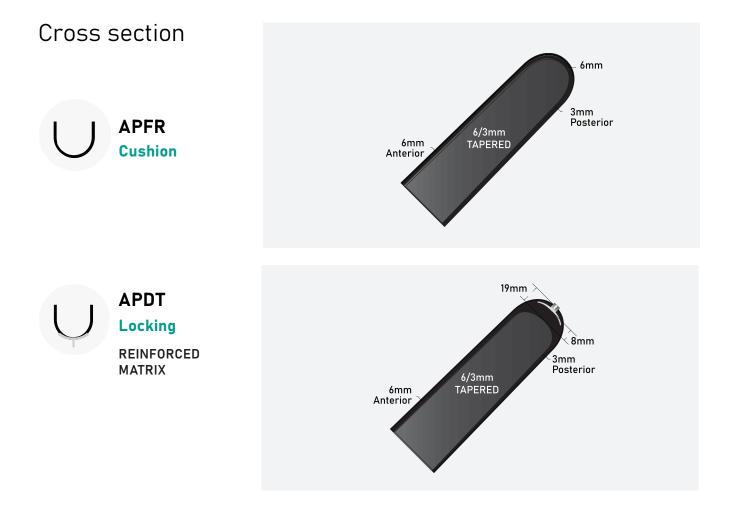
Minimizes soft tissue movement and provides superior control of the prosthetic leg by combining High Density Gel with a limited vertical stretch fabric



### Anterior Posterior Tapered Liner APDT/APFR. Sizing Chart.

Measure the circumference of the stump at 6 cm above the distal end.

Measured size (cm)	Locking 6/3mm tapered	Cushion 6/3mm tapered
20-23 cm	APDT20-TP	APFR20-TP
24-25 cm	APDT24-TP	APFR24-TP
26-27 cm	APDT26-TP	APFR26-TP
28-31 cm	APDT28-TP	APFR28-TP
32-37 cm	APDT32-TP	APFR32-TP



#### Choose Your Liner<sup>™</sup>





# **PSI Liner**

Patent No.7,709,570 | 8,357,206 | 8,394,150

The PSI Liner improves suspension by sealing onto the sleeves of a transtibial prosthesis. The EasyGel provides comfort and durability, relieving the skin from the stress created by vertical and shear forces. The antioxidant contained in the gel has beneficial effects on the skin.

The PSI Liner can be used in conjunction with current valve suction or vacuum systems being used on the market today.





### Key Benefits

Indicated for delicate skin and diabetic patients thanks to the antioxidants contained in the gel

Protects the residual limb thanks to the high capacity of the EasyGel to absorb vertical and shear forces

Further relieves the skin from stress generated by shear forces thanks to its low coefficient of static friction

The proximal area with no fabric cover seals onto the sleeve to create a secure suspension

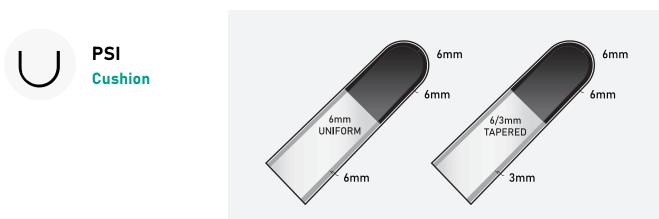


### Proximal Seal Interface Liner PSI. Sizing Chart.

Measure the circumference of the stump at 6 cm above the distal end.

Measured size (cm)	Cushion 6mm or 3/6mm tapered
16-19 cm	PSI16-(6 or 6/3)
20-23 cm	PSI20-(6 or 6/3)
24-25 cm	PSI24-(6 or 6/3)
26-27 cm	PSI26-(6 or 6/3)
28-31 cm	PSI28-(6 or 6/3)
32-37 cm	PSI32-(6 or 6/3)
38-43 cm	PSI38-(6 or 6/3)
44-53 cm	PSI44-(6 or 6/3)

#### Cross section



Choose Your Liner<sup>™</sup>





# Liberty<sup>™</sup> Liner

Patent No. 6,544,292\* | 6,454,812\* | 6,361,568\* | 8,382,852 | 8,808,394

The Liberty<sup>™</sup> Liner allows the expulsion of air and humidity through a built-in valve integrated either on the pin or the reducer, promoting a healthy environment.

Used in conjunction with a nylon sheath, it presents a superior capacity for collecting and expelling humidity.

The HD gel improves the stability of the prosthetic leg and provides greater protection against vertical and shear forces. It is recommended to minimize the problem of excessive perspiration.





### Key Benefits

vertical and shear forces

Promotes a healthy environment due to the distal valve that expels air and humidity between the residual limb and the liner

Protects the residual limb thanks to the high capacity of the HD Gel to absorb

Ensures a high level of control of the prosthetic leg and minimizes soft tissue movement thanks to the High Density Gel

Since it is used in conjunction with a nylon sheath, it has a superior capacity for collecting and expelling humidity

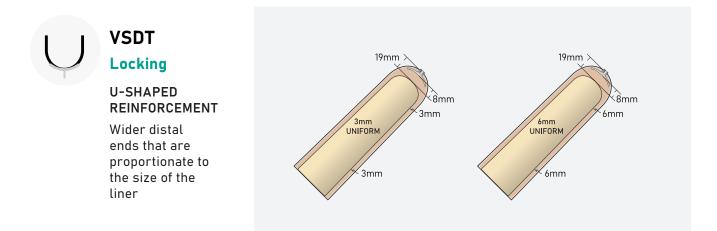


### Liberty<sup>™</sup> Liner II VSDT. Sizing Chart.

Measure the circumference of the stump at 6 cm above the distal end.

Measured size (cm)	Locking 3mm uniform	Locking 6mm uniform
20-23 cm	VSDT20-3	VSDT20-6
24-25 cm	VSDT24-3	VSDT24-6
26-27 cm	VSDT26-3	VSDT26-6
28-31 cm	VSDT28-3	VSDT28-6
32-37 cm	VSDT32-3	VSDT32-6
38-43 cm	VSDT38-3	VSDT38-6

#### Cross section



#### Choose Your Liner<sup>™</sup>





# PROSTHETIC SUSPENSION SYSTEMS

Sleeves

Locks

**Elevated Vacuum** 



### EasySleeve

Patent No. 7,709,570

ALPS<sup>®</sup> EasySleeve Reinforced Fabric prosthetic gel sleeve provides superior comfort thanks to its use of ALPS<sup>®</sup> EasyGel. The elasticity of the fabric allows the user a great deal of freedom of knee flexion. The EasySleeve also achieves secure suspension by sealing to the skin without restricting circulation. The lower coefficient of friction found with the EasyGel helps relieve the skin of shear forces.





### Key Benefits

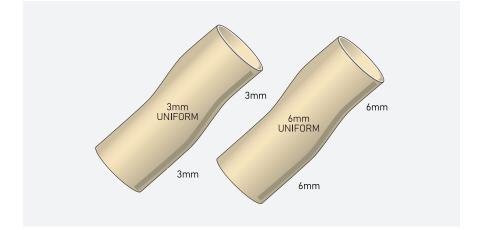
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# EasySleeve SFR. Sizing Chart. Measure the circumference of the leg at 10 cm above the center of the knee.

Measured size (cm)	3mm or 6mm uniform
16-19 cm	SFR10-(3 or 6)
20-24 cm	SFR16-(3 or 6)
25-30 cm	SFR20-(3 or 6)
31-34 cm	SFR24-(3 or 6)
35-37 cm	SFR26-(3 or 6)
38-40 cm	SFR28-(3 or 6)
41-45 cm	SFR32-(3 or 6)
46-60 cm	SFR38-(3 or 6)
61-70 cm	SFR44-(3 or 6)

#### Cross section



#### Choose Your Liner<sup>™</sup>





# EasySleeve SuperStretch

Patent No. 7,709,570

ALPS<sup>®</sup> EasySleeve SuperStretch is a prosthetic gel sleeve that allows freedom of knee flexion as well as providing secure suspension by sealing to the skin without restricting circulation.

By using a separate fabric cover, the EasyGel is able to move with the user, therefore reducing the effect of physical forces against the patella.



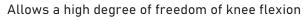


### Key Benefits



Indicated for delicate and fragile skins thanks to the antioxidants contained in the gel

Minimizes compression and irritation proximally



Relieves the skin from stress generated by shear forces thanks to EasyGel's low coefficient of static friction

A fabric cover (sold separately) protects the sleeve



# EasySleeve SuperStretch SLE. Sizing Chart. Measure the circumference of the leg at 10 cm above the center of the knee.

Measured size (cm)	6mm uniform	Cover size
16-19 cm	SLE-10	N.A.
20-24 cm	SLE-16	CSLE-16
25-30 cm	SLE-20	CSLE-20
31-34 cm	SLE-24	CSLE-24
35-37 cm	SLE-26	CSLE-26
38-40 cm	SLE-28	CSLE-28
41-45 cm	SLE-32	CSLE-32





Choose Your Liner<sup>™</sup>





### **Flex Sleeve**

ALPS<sup>®</sup> Flex Sleeve (SFX) prosthetic suspension sleeve combines a seamless knitted fabric with a High Density Gel to provide maximum comfort and high performance.

The SFX provides a 30° pre-flexion which eases bending and reduces bunching behind the knee. It is indicated for medium and high activity users.





### Key Benefits

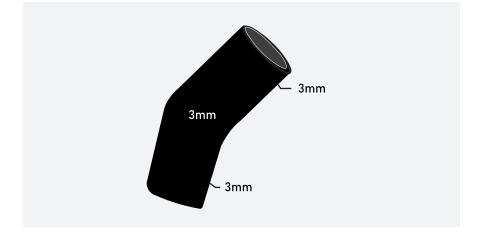




# Flex Sleeve SFX. Sizing Chart. Measure the circumference of the leg at 10 cm above the center of the knee.

Measured size (cm)	3mm beige	3mm gray
34-37 cm	SFX20-3B	SFX20-3G
36-39 cm	SFX23-3B	SFX23-3G
38-42 cm	SFX26-3B	SFX26-3G
41-46 cm	SFX29-3B	SFX29-3G
45-50 cm	SFX32-3B	SFX32-3G

Cross section



### Choose Your Liner<sup>™</sup>

Find your ideal prosthetic liner in 5 simple steps





# **Reinforced Flex Sleeve**

ALPS® Reinforced Flex prosthetic suspension sleeve delivers the same qualities as our popular SFX but with an extra layer of durability. While the OptiGel and gray knitted fabric combine to supply maximum comfort and high performance, the RFX also features an added layer of internal fabric to offer increased durability around the trim line of the user's socket. At the same time, the sleeve provides a 30° pre-flexion to ease bending and reduce bunching behind the knee, making the RFX an ideal choice for active users.





# Key Benefits

Extra layer of internal fabric provides a more durable option for high-activity users

Gray knitted fabric combined with OptiGel delivers maximum comfort and high performance

30° pre-flexion to ease bending and reduce bunching behind the knee

Provides a secure suspension

🍾) Opti

30°

|-|-

OptiGel offers a great degree of control

Available in one length that accommodates most users

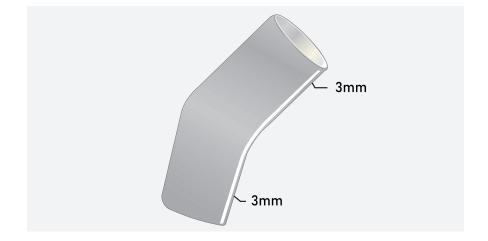


### Reinforced Flex Sleeve RFX. Sizing Chart.

Measure the circumference of the leg at 10 cm above the center of the knee.

Measured size (cm)	3mm gray
34-37 cm	RFX20-3G
36-39 cm	RFX23-3G
38-42 cm	RFX26-3G
41-46 cm	RFX29-3G
45-50 cm	RFX32-3G





### Choose Your Liner<sup>™</sup>

Find your ideal prosthetic liner in 5 simple steps





# **Reinforced Sleeve**

ALPS<sup>®</sup> Reinforced Sleeve is constructed with gray knitted fabric, OptiGel, and an extra layer of internal fabric to deliver superior durability. This combination works together to provide the maximum comfort, control, and high-performance capabilities required for higher activity-level users.



ALPS EXCLUSIVE!



# Key Benefits Image: Second S

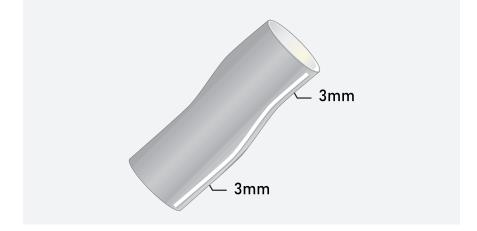


### Reinforced Sleeve RFS. Sizing Chart.

Measure the circumference of the leg at 10 cm above the center of the knee.

Measured size (cm)	3mm gray
25-30 cm	RFS20-3G
31-34 cm	RFS24-3G
35-37 cm	RFS26-3G
38-40 cm	RFS28-3G
41-45 cm	RFS32-3G
46-60 cm	RFS38-3G
61-70 cm	RFS44-3G

### Cross section



### Choose Your Liner<sup>™</sup>

Find your ideal prosthetic liner in 5 simple steps





# Superior Suspension Sleeve

ALPS<sup>®</sup> Superior Suspension Sleeve provides superior comfort thanks to its use of ALPS<sup>®</sup> Gel.

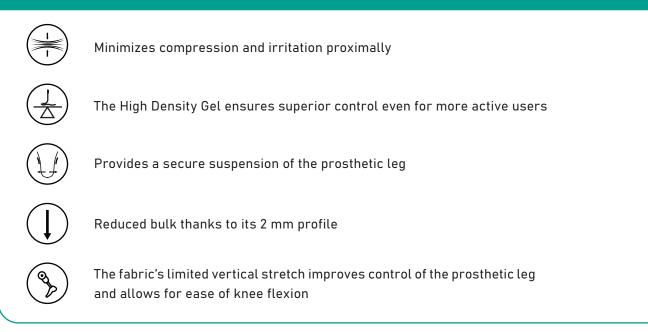
The Gel adheres to the amputee's skin to achieve secure suspension without restricting circulation and without causing shear forces.

With its thinner profile, the SFB, is the ideal choice for patients who want a lightweight product with reduced bulk.





# Key Benefits



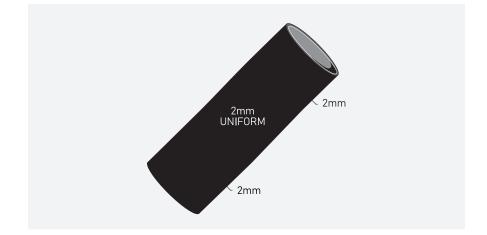


# Superior Suspension Sleeve SFB/SFBHD. Sizing Chart.

Measure the circumference of the leg at 10 cm above the center of the knee.

Measured size (cm)	2mm uniform
25-30 cm	SFB(HD)20-2
31-34 cm	SFB(HD)24-2
35-37 cm	SFB(HD)26-2
38-40 cm	SFB(HD)28-2
41-45 cm	SFB(HD)32-2

Cross section



Choose Your Liner<sup>™</sup>

Find your ideal prosthetic liner in 5 simple steps





# Superior Performance Sleeve

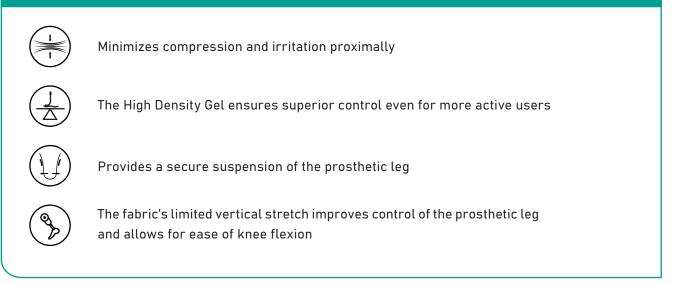
ALPS<sup>®</sup> Superior Performance Sleeve is a prosthetic gel sleeve constructed using a limited vertical stretch fabric that maintains a high horizontal elongation to provide the transtibial user with easy knee flexion and elevated control.

The Gel adheres to the patient's skin without creating shear force and helps prevent the sleeve from rolling down the residual limb.





# Key Benefits



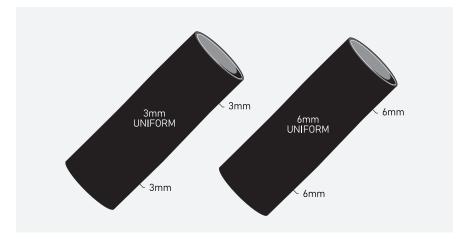


# Superior Performance Sleeve SFP/SFPHD. Sizing Chart.

Measure the circumference of the leg at 10 cm above the center of the knee.

Measured size (cm)	3mm or 6mm uniform
20-24 cm	SFP(HD)16-(3 or 6)
25-30 cm	SFP(HD)20-(3 or 6)
31-34 cm	SFP(HD)24-(3 or 6)
35-37 cm	SFP(HD)26-(3 or 6)
38-40 cm	SFP(HD)28-(3 or 6)
41-45 cm	SFP(HD)32-(3 or 6)
46-60 cm	SFP(HD)38-(3 or 6)
61-70 cm	SFP(HD)44-(3 or 6)

Cross section



Choose Your Liner<sup>™</sup>

Find your ideal prosthetic liner in 5 simple steps





# **Extreme Sleeve**

ALPS<sup>®</sup> Extreme Sleeve is covered with a limited vertical stretch fabric that maintains a high horizontal elongation to provide the user with an easy knee flexion and elevated control.

The Grip Gel adheres to the patient's skin without creating shear force and helps prevent the sleeve from rolling down the residual limb.





# Key Benefits

Minimizes compression and irritation proximally



Provides a secure suspension of the prosthetic leg



The fabric's limited vertical stretch improves control of the prosthetic leg and allows for ease of knee flexion

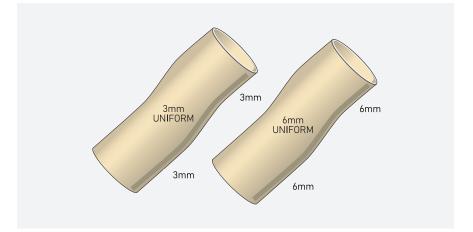


# Extreme Sleeve SFK. Sizing Chart.

Measure the circumference of the leg at 10 cm above the center of the knee.

Measured size (cm)	3mm or 6mm uniform
20-24 cm	SFK16-(3 or 6)
25-30 cm	SFK20-(3 or 6)
31-34 cm	SFK24-(3 or 6)
35-37 cm	SFK26-(3 or 6)
38-40 cm	SFK28-(3 or 6)
41-45 cm	SFK32-(3 or 6)
46-60 cm	SFK38-(3 or 6)
61-70 cm	SFK44-(3 or 6)

Cross section



### Choose Your Liner<sup>™</sup>

Find your ideal prosthetic liner in 5 simple steps





# V.I.V.A. Sleeve

Patent No. 6,361,568\*

ALPS<sup>®</sup> V.I.V.A. Sleeve is a prosthetic gel sleeve with a built-in valve to evacuate air from the socket to ensure superior security.

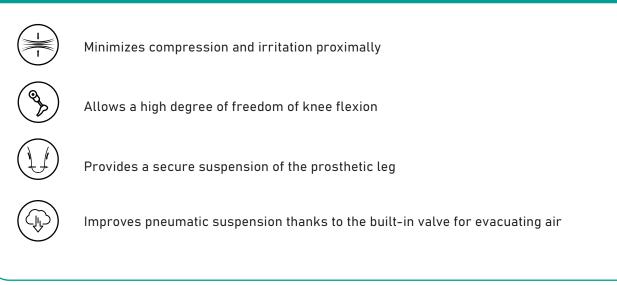
It provides suction suspension without the need to create a valve in the socket.

Once the sleeve is donned, the valve should be located proximal to the patella to create back pressure with knee flexion.





# Key Benefits

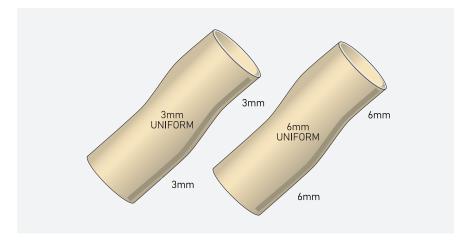




# V.I.V.A. Sleeve VIVA. Sizing Chart. Measure the circumference of the leg at 10 cm above the center of the knee.

Measured size (cm)	3mm or 6mm uniform
20-24 cm	VIVA16-(3 or 6)
25-30 cm	VIVA20-(3 or 6)
31-34 cm	VIVA24-(3 or 6)
35-37 cm	VIVA26-(3 or 6)
38-40 cm	VIVA28-(3 or 6)
41-45 cm	VIVA32-(3 or 6)

Cross section



### Choose Your Liner<sup>™</sup>

Find your ideal prosthetic liner in 5 simple steps





# **Anterior Posterior Tapered Sleeve**

The ALPS Anterior Posterior Tapered Sleeve is gradually tapered from the anterior to the posterior to provide superior comfort. It features our black high performance fabric with HD gel to provide amputees with a great degree of control.





# Key Benefits

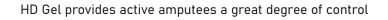
Black fabric offers horizontal stretch with highly reduced vertical stretch



Allows a high degree of freedom of knee flexion



Provides a secure suspension of the prosthetic leg

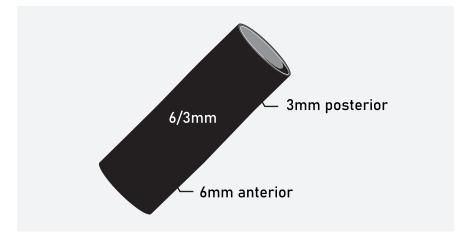




# Anterior Posterior Tapered Sleeve. APS. Sizing Chart. Measure the circumference of the leg at 10 cm above the center of the knee.

Measured size (cm)	2mm uniform
20-23 cm	APS20-TP
24-25 cm	APS24-TP
26-27 cm	APS26-TP
28-31 cm	APS28-TP
32-37 cm	APS32-TP

Cross section



### Choose Your Liner<sup>™</sup>

Find your ideal prosthetic liner in 5 simple steps





# **EasySleeve Fabric Reinforced**

ALPS® SFS has superior comfort provided by GripGel. The elasticity of the fabric allows the user excellent freedom of knee flexion. The SFS also achieves secure suspension by sealing with the skin without restricting circulation, while the GripGel sticks to the patients skin without causing shear force.





# **Key Benefits**



Beige, high-performance fabric improves the sleeve's durability

Allows a high degree of freedom of knee flexion

Provides a secure suspension of the prosthetic leg

Minimizes compression and irritation proximally

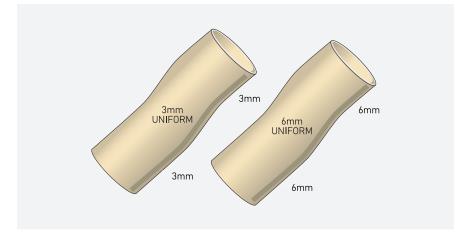
The GripGel helps prevent the sleeve from rolling down the amputee's limb



# EasySleeve Fabric Reinforced. SFS. Sizing Chart. Measure the circumference of the leg at 10 cm above the center of the knee.

Measured size (cm)	3mm or 6mm uniform
20-24 cm	SFS16-(3 or 6)
25-30 cm	SFS20-(3 or 6)
31-34 cm	SFS24-(3 or 6)
35-37 cm	SFS26-(3 or 6)
38-40 cm	SFS28-(3 or 6)
41-45 cm	SFS32-(3 or 6)
46-60 cm	SFS38-(3 or 6)
61-70 cm	SFS44-(3 or 6)

Cross section



### Choose Your Liner<sup>™</sup>

Find your ideal prosthetic liner in 5 simple steps





# Vacuum Integrated Pump

Patent No. 8,197,555 | 11,224,527 | 8,197,555 | 11,224,527

The ALPS<sup>®</sup> VIP<sup>™</sup> is an air expulsion integrated pump for elevated vacuum. Its use provides patients continuous total contact when donning the prosthesis. This is essential for an even weight distribution and to distribute the suspension of the prosthesis over the whole surface of the residual limb. Elevated vacuum created by the VIP<sup>™</sup> stabilizes the residual limb, overcoming all issues connected with the residual limb changing volume during the day.



# Key Benefits

Efficiently deals with residual limb volume fluctuation which in turn leads to improved prosthesis control and comfort

Reduces the intensity of peaks in pressure on the patient's limbs, improving comfort and providing greater freedom of movement

Helps preserve residual limb skin health by improving circulation and consequently increasing limb oxygenation

Quiet, light, and does not affect the cosmetic appearance of the prosthesis

Easy to install and battery-free



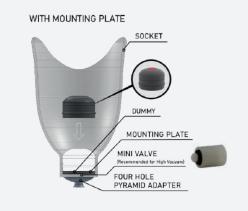
### Vacuum Integrated Pump VIP<sup>™</sup> Part Number and Optional Complementary Products.

Available in 2 different vacuum levels: HIGH VACUUM (Red) 10–13 in of mercury and LOW VACUUM (Green) 5–8 in of mercury. Choose vacuum level on the basis of activity level and skin condition.

Part name	Part #
VIP™ LOW VACUUM (GREEN)	VIP - DL
VIP™ HIGH VACUUM (RED)	VIP - DH
DUMMY	VE319 - D
SHORT DUMMY	VE319 - SD
MOUNTING PLATE	VE819 - P
LOCK (SMALL)	VIP-L1120-S
MINI VALVE	MV-009
MINI VALVE KIT	LMV-009
PIN (4.8cm)	VIP-92L
PIN (3.0cm)	VIP-92S

### Cross section

With Mounting Plate



# Without Mounting Plate





# VIP<sup>™</sup> Lock

With ALPS<sup>®</sup> VIP<sup>™</sup> Lock, clinicians can quickly switch from pin & lock to vacuum suspension, or vice versa, with minor adjustments to the socket.

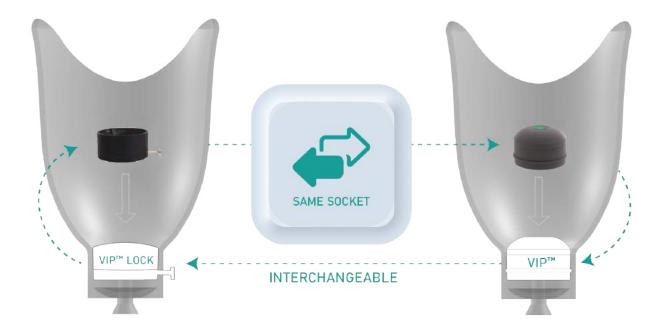


# Key Benefits Image: Second s



# VIP<sup>™</sup> Lock Part Number and Specification

PART #	VIP-L1120-S
DIMENSIONS	32x67 mm
WEIGHT	74 g
WEIGHT LIMIT	270 kg
PIN (4.8cm)	VIP-92L
PIN (3.0cm)	VIP-92S





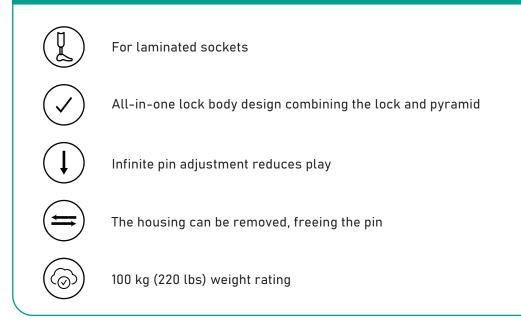
# Lock with Pyramid

Patent No. 5,507,837\*

The ALPS<sup>®</sup> Lock with Pyramid is an all-in-one lock body design which combines the lock and pyramid. The glass reinforced nylon lock body exhibits better wear characteristics than delrin or aluminum. The convenient one-way gear allows the user to push in or wind out the limb into the prosthetic socket. A unique feature of this lock is that if foreign material or clothing get caught in the gear, the housing can be removed, freeing the pin.



### Key Benefits





# ALPS<sup>®</sup> Lock with Pyramid. Part Number and Spare Parts

Spare parts	Description
S498-P	Main body with pyramid
LDH - 694 A	Locking mechanism
LDP - 695	Serrated pin
LDA - 694	Hex nut adapter – Dummy

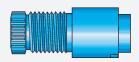
### **Product Components**



1 STAINLESS STEEL SERRATED PIN 3/8 x 2-5/8" LONG 1/4-20 US STANDARD THREADS PN# LDP-695



1 HEX NUT ADAPTER 1/4-20 US STANDARD THREADS TO 10mm PN# LDA-694



1 LOCKING MECHANISM (CLUTCH) PN# LDH-694A



# Lock with Flat Bottom

Patent No. 6,511,513\* | 6,572,656\* | 6,572,657\* | 6,576,020\* | 6,576,021\* 6,579,323\* | 6,596,027\*

The ALPS<sup>®</sup> Lock Flat Bottom has shown proven reliability and smooth operation. This lightweight locking device made of glass reinforced nylon exhibits better wear characteristics than delrin or aluminum.

The convenient one-way gear allows the user to push in or wind out the limb into the prosthetic socket.

A unique feature of this lock is that if foreign material or clothing get caught in the gear, the housing can be removed, freeing the pin.



### Key Benefits



ALPS

### ALPS<sup>®</sup> Lock Flat Bottom – Without Plate (S496-W) Part Number and Spare Parts

Spare parts	Description
S496-W	Main body with flat bottom (without plate)
LDH - 694 A	Locking mechanism
LDP - 695	Serrated pin
LDA - 694	Hex nut adapter – Dummy



1 STAINLESS STEEL SERRATED PIN 3/8 x 2-5/8" LONG 1/4-20 US STANDARD THREADS PN# LDP-695



1 HEX NUT ADAPTER 1/4-20 US STANDARD THREADS TO 10mm PN# LDA-694



### ALPS<sup>®</sup> Lock Flat Bottom – With Plate (S496–T) Part Number and Spare Parts

Spare parts	Description
S496-T	Main body with flat bottom (with plate)
LDH - 694 A	Locking mechanism
LDP - 695	Serrated pin
LDA - 694	Hex nut adapter - Dummy
UMP-496	Universal Mounting Plate

1 STAINLESS STEEL SERRATED PIN 3/8 x 2-5/8" LONG 1/4-20 US STANDARD THREADS PN# LDP-695



1 HEX NUT ADAPTER 1/4-20 US STANDARD THREADS TO 10mm PN# LDA-694



x1 UNIVERSAL MOUNTING PLATE PN# UMP-496



x6 #6 STAINLESS STEEL SCREWS SOLD WITH MOUNTING PLATE



1 LOCKING MECHANISM (CLUTCH) PN# LDH-694A



x4 3/4" STAINLESS STEEL SOCKET HEAD CAP SCREWS SOLD WITH MOUNTING PLATE



Volume Change Management

Liner & Residual Limb Care

Extras



# ADDED SOLUTIONS

# **Prosthetic Socks**

ALPS<sup>®</sup> prosthetic socks are light and soft, extremely comfortable with a perfect fit. They are made with technologically advanced fibers, highly effective in moisture management, that wick away perspiration so it can easily evaporate. This advanced fabric means that socks maintain their original quality for a long time, without getting misshapen or matting up.

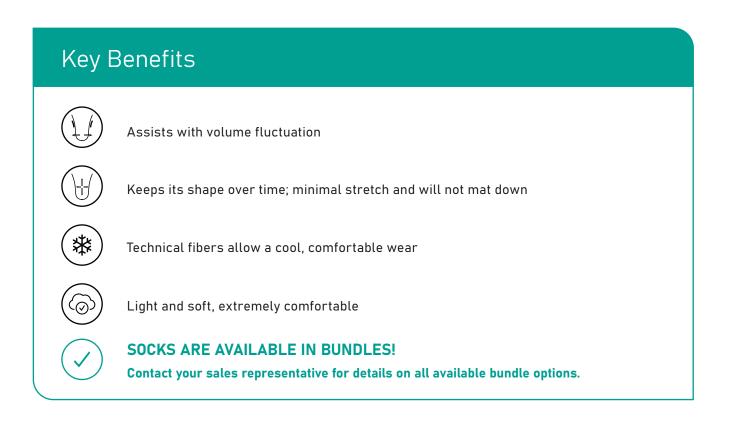
Available with without distal hole (N), with distal hole (H), or with a reinforced distal hole (HR):





Choosing the best sock to suit your needs is easy with ALPS® socks' color-coded thickness indicator:





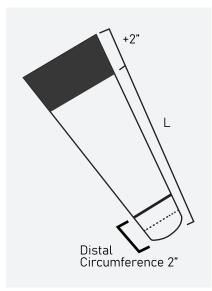


# Prosthetic Socks KC. Sizing Chart.

### **DIRECTIONS FOR SIZING**

1. Measure from the distal end of the residual limb to the top of the prosthetic socket. The length of the correct sock should be approximately 2 inches more than this measurement.

 Measure the "distal circumference" 2 inches up from the bottom of the distal end.



NARROW (KCN) SIZE	HOLE	LENGTH	1-PLY (1.5mm)	3-PLY (2.0mm)	5-PLY (2.5mm)
	No Hole (N)	5"-7" (Extra Short)	KCN 08-1N	KCN 08-3N	KCN 08-5N
8"-9"		7"-9" (Short)	KCN 10-1N	KCN 10-3N	KCN 10-5N
Distal Circumference		<b>9"-15"</b> (Regular)	KCN 14-1N	KCN 14-3N	KCN 14-5N
	15"-19" (Long)	KCN 18-1N	KCN 18-3N	KCN 18-5N	
		5"-7" (Extra Short)	KCN 08-1HR	KCN 08-3HR	KCN 08-5HR
8"-9"	Hole with Reinforcement (HR)	7"-9" (Short)	KCN 10-1HR	KCN 10-3HR	KCN 10-5HR
Distal Circumference		<b>9"-15"</b> (Regular)	KCN 14-1HR	KCN 14-3HR	KCN 14-5HR
	15"-19" (Long)	KCN 18-1HR	KCN 18-3HR	KCN 18-5HR	
		5"-7" (Extra Short)	KCN 08-1H	KCN 08-3H	KCN 08-5H
8"-9"	Hole without Reinforcement ce (H)	7"-9" (Short)	KCN 10-1H	KCN 10-3H	KCN 10-5H
Distal Circumference		<b>9"-15"</b> (Regular)	KCN 14-1H	KCN 14-3H	KCN 14-5H
		15"-19" (Long)	KCN 18-1H	KCN 18-3H	KCN 18-5H

MEDIUM (KCM) SIZE	HOLE TYPE	LENGTH OF SOCKET	1-PLY (1.5mm)	3-PLY (2.0mm)	5-PLY (2.5mm)
	9"-12" No Hole Distal (N) cumference	5"-7" (Extra Short)	KCM 08-1N	KCM 08-3N	KCM 08-5N
=		7"-9" (Short)	KCM 10-1N	KCM 10-3N	KCM 10-5N
Distal Circumference		<b>9"-15"</b> (Regular)	KCM 14-1N	KCM 14-3N	KCM 14-5N
		15"-19" (Long)	KCM 18-1N	KCM 18-3N	KCM 18-5N
		5"-7" (Extra Short)	KCM 08-1HR	KCM 08-3HR	KCM 08-5HR
9"-12"	Hole with Reinforcement (HR)	7"-9" (Short)	KCM 10-1HR	KCM 10-3HR	KCM 10-5HR
Distal Circumference		<b>9"-15"</b> (Regular)	KCM 14-1HR	KCM 14-3HR	KCM 14-5HR
	15"-19" (Long)	KCM 18-1HR	KCM 18-3HR	KCM 18-5HR	
		5"-7" (Extra Short)	KCM 08-1H	KCM 08-3H	KCM 08-5H
9"-12"	Hole without	7"-9" (Short)	KCM 10-1H	KCM 10-3H	KCM 10-5H
Distal Circumference	Reinforcement (H)	<b>9"-15"</b> (Regular)	KCM 14-1H	KCM 14-3H	KCM 14-5H
		15"-19" (Long)	KCM 18-1H	KCM 18-3H	KCM 18-5H

WIDE (KCW) SIZE	HOLE TYPE	LENGTH OF SOCKET	1-PLY (1.5mm)	3-PLY (2.0mm)	5-PLY 2.5mm)
	Distal (N)	5"-7" (Extra Short)	KCW 08-1N	KCW 08-3N	KCW 08-5N
12"-14"		7"-9" (Short)	KCW 10-1N	KCW 10-3N	KCW 10-5N
Distal Circumference		<b>9"-15"</b> (Regular)	KCW 14-1N	KCW 14-3N	KCW 14-5N
		15"-19" (Long)	KCW 18-1N	KCW 18-3N	KCW 18-5N
		5"-7" (Extra Short)	KCW 08-1HR	KCW 08-3HR	KCW 08-5HR
12"-14" Hole with Distal Reinforcement Circumference (HR)	Reinforcement	7"-9" (Short)	KCW 10-1HR	KCW 10-3HR	KCW 10-5HR
		9"-15" (Regular)	KCW 14-1HR	KCW 14-3HR	KCW 14-5HR
	15"-19" (Long)	KCW 18-1HR	KCW 18-3HR	KCW 18-5HR	
		5"-7" (Extra Short)	KCW 08-1H	KCW 08-3H	KCW 08-5H
12"-14"	Hole without	7"-9" (Short)	KCW 10-1H	KCW 10-3H	KCW 10-5H
Distal Circumference	Reinforcement (H)	<b>9"-15"</b> (Regular)	KCW 14-1H	KCW 14-3H	KCW 14-5H
		15"-19" (Long)	KCW 18-1H	KCW 18-3H	KCW 18-5H



# **Skin Reliever**

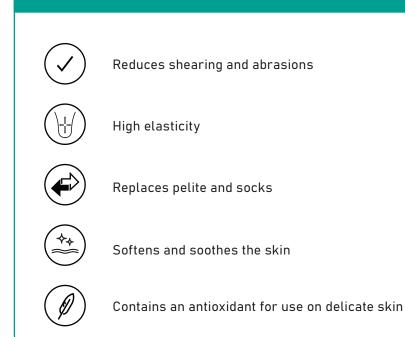
The ALPS<sup>®</sup> Skin Reliever eliminates shear forces, friction, and prevents abrasions on the skin of the stump.

It also accommodates volume fluctuations over the life of the prosthesis.

There is no need to make a new socket, ALPS<sup>®</sup> Skin Reliever can be worn under silicone, gel, and pelite liners.



# Key Benefits



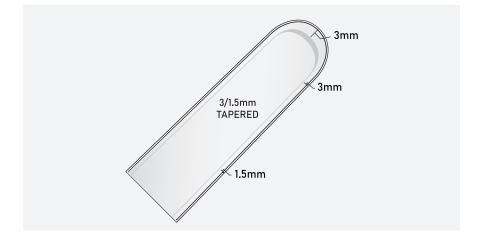


# Skin Reliever ENCP. Sizing Chart.

Measure the circumference of the stump at 6 cm above the distal end.

MEASURED SIZE (CM)	ENCP 3/1.5MM TAPERED
10-19 cm	ENCP16
20-27 cm	ENCP20
28-37 cm	ENCP28

Cross section





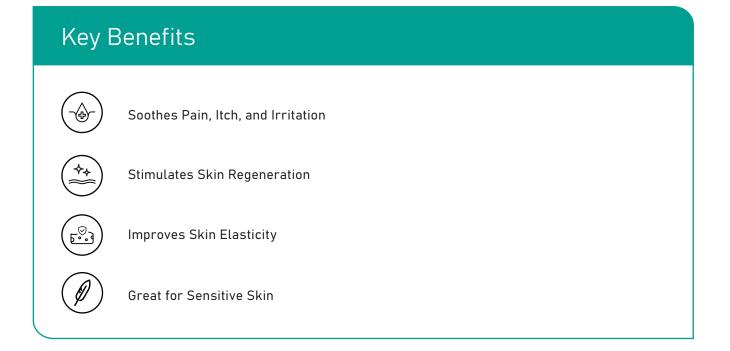
# Antioxidant Cream

Patent No. 10,543,167 | 11,478,419

ALPS<sup>®</sup> Antioxidant Cream contains antioxidants that are effective scavengers of free radicals and hydroxyl groups. May assist with soothing pain, itchiness and irritated skin. Can be applied on stumps with sensitive skin as it stimulates skin regeneration process. Its moisturizing power improves skin elasticity.

Recommended for use with all liners.





PRODUCT NO.	AMOUNT	QUANTITY
ANT-C50	50 ML	x 1
ANT-C50 BX12	50 ML	BOX OF 12



# **Silicone Skin Lotion**



ALPS<sup>®</sup> 100% Silicone Skin Lotion helps to soothe dry, sensitive skin. It is hypoallergenic, with no perfumes or dyes, and minimal residue. Can be used sparingly to relieve dry, cracked skin conditions.

# Key Benefits



Hypoallergenic and skin friendly: formulated to soothe and hydrate sensitive skins without oily feeling

Simple use: apply a few drops of lotion on the skin or on palm of the hand and massage until completely absorbed

Concentrated: a few drops are enough to relieve dry and cracked skin conditions

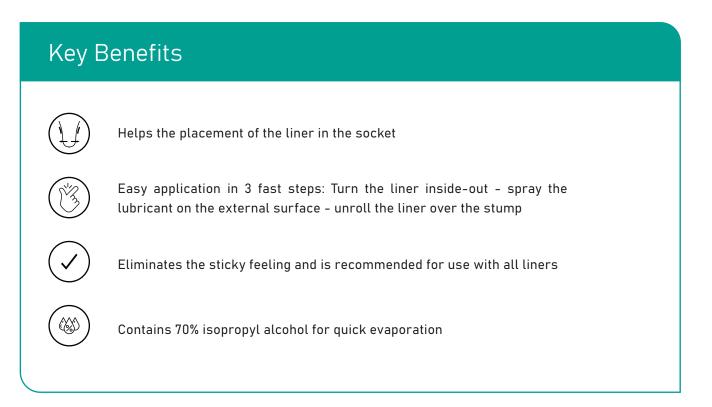
Without soap or dyes: 100% free of soaps and dyes that could be aggressive

PRODUCT NO.	AMOUNT	QUANTITY
SL108	118 ML	x 1
SL108 BX12	118 ML	BOX OF 12
SL108-32	944 ML	x 1



# **Prosthetic Lubricant**

ALPS<sup>®</sup> Prosthetic Lubricant is used to help in donning gel and silicone prosthetic liners. It allows the amputee to don the liner or sheath easily while eliminating the sticky feel.



PRODUCT NO.	AMOUNT	QUANTITY
PA604	15 OZ	x 1
PA604 BX12	15 OZ	BOX OF 12



# **Prosthetic Cleanser**



ALPS<sup>®</sup> Prosthetic Cleanser is a non-alkaline, soap-free cleansing agent designed to help remove dirt and excess perspiration from prosthetic liners and sleeves. Its unique formula allows it to work efficiently with hand washing or machine wash settings to effectively clean and restore items back to their original state.

### Key Benefits



Developed to remove dirt and excess sweat from prosthetic liners and sleeves, either by hand or in the washing machine. It is recommended for use with all liners

Suitable for sensitive skin: thanks to its delicate formula it can also be applied to the areas of the skin that come into contact with the prosthesis



Without soap or dyes: 100% free of soaps and dyes that could be aggressive



Balanced ph: the non-alkaline silicone-based formula soothes the skin and does not damage the liner.

PRODUCT NO.	AMOUNT	QUANTITY
PD595	16 OZ	x 1
PD595 BX12	16 OZ	BOX OF 12

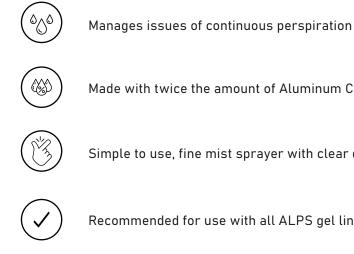


# **Prosthetic Anti-Perspirant**\*

The first anti-perspirant truly designed for prosthetics. Created to help manage the continuing problem of perspiration, it has been formulated with twice the Aluminum Chlorohydrate found in over the counter anti-perspirants. Recommended for use with all liners.



# **Key Benefits**



Made with twice the amount of Aluminum Chlorohydrate

Simple to use, fine mist sprayer with clear dust cap

Recommended for use with all ALPS gel liners

# **Product Code**

PRODUCT NO.	AMOUNT	QUANTITY
ATP008	4 OZ	x 1
ATP008 BX 12	4 OZ	BOX OF 12

### \*NOT AVAILABLE OUTSIDE OF USA

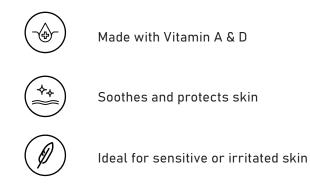


# **Prosthetic Ointment\***



ALPS Prosthetic Ointment is a vitamin A and D formulation that soothes and protects the skin. It may be applied nightly after the prosthesis has been removed. Ideal for amputees with sensitive skin or irritation. May not be used while wearing ALPS Gel Products. Recommended for use with Silicone-CLEARPRO and Urethane.

### Key Benefits



### **Product Code**

PRODUCT NO.	AMOUNT	QUANTITY
P0480	4 OZ	x 1
P0840 BX12	4 OZ	BOX OF 12

### \*NOT AVAILABLE OUTSIDE OF USA

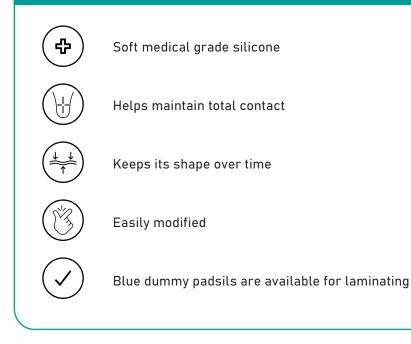


# PadSil

The Padsil was developed to increase patient comfort in combination with ALPS<sup>®</sup> liners. The more active user will appreciate the additional cushioning, softness, and durability. Users who experience volume changes will also appreciate the Padsil's ability to lift the limb back into the proper position. They can be placed at the bottom of the socket or inside a pin locking liner.



### Key Benefits





### PadSil PDS. Sizing chart.

Measure the circumference of the stump at 6 cm above the distal end.

MEASURED SIZE (CM)	SILICONE DISTAL PAD	BLUE DUMMY FOR LAMINATION
14-19 cm	PDS-S	PDSB-S
20–23 cm	PDS-M	PDSB-M
24–27 cm	PDS-L	PDSB-L
28-31 cm	PDS-XL	PDSB-XL
32–35 cm	PDS-XXL	PDSB-XXL

### Cross section





# **PROSTHETIC FEET**

ALPS<sup>®</sup> BioStep<sup>™</sup> range is a breakthrough innovation among dynamic response feet. Active users can experience a high dynamic response combined with a fluid step and stability on all terrains.

ALPS<sup>®</sup> BioStep<sup>™</sup> powered with patented NRG Technology<sup>™</sup> is based on a biomimetic design, enabling dynamic patients to perform a wide range of activities with just a single foot.

# **BIOSTEP®**

# BioStep<sup>™</sup> EVO

Patent No. 7,410,503~ | 8,236,062~ | 8,574,314~ | 8,808,395~

### Ready for the next adventure.

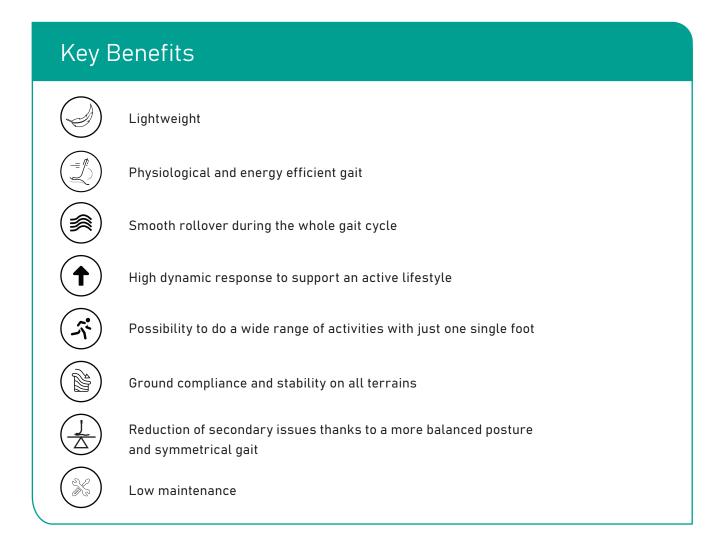
The most performing among the BioStep<sup>™</sup> Family. An all-around foot, with extra shock absorption and increased safety on all terrains, providing a softer connection to the ground.

Suggested for demanding dynamic users searching for the best. Ideal also for hiking and trekking, as well for recreational sport and high impact activities.

Natural, responsive, gently supportive.









Size Range: 22-30

Build Height: 17cm | 7in

Heel height: 1cm | .4in

Weight: 840 g | 30oz (size 26 with footshell)

### Max user weight:

	1/0
SIZE (cm)	K3
22	225lb
23-24	249lb
25-30	324lb

### Product code example

Model	Size	Side	Rate
<b>BSEVO</b>	25	L/R	42

Add –D for dark footshell



Footshell and spectra sock are included

### Key Features



### FIND YOUR PRODUCT CODE!





# BioStep<sup>™</sup> PRO

Patent No. 7,410,503~ | 8,236,062~ | 8,574,314~ | 8,808,395~

### Do that extra mile!

# All benefits of the NRG<sup>™</sup> Technology with enhanced torsional movement.

Suggested for active outdoor patients who prefer a firm connection to the ground and the added benefits of torsion. Also for occasional and recreational sport activities.

Natural, comfortable, responsive.



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 K1
 K2
 K3 ×
 K4

**Activity Level** 

Key E	Benefits
	Lightweight
	Physiological and energy efficient gait
	Smooth rollover during the whole gait cycle
	High dynamic response to support an active lifestyle
(-ĩi	Possibility to do a wide range of activities with just one single foot
	Ground compliance and stability on all terrains
	Reduction of secondary issues thanks to a more balanced posture and symmetrical gait
X	Low maintenance



Size Range: 22-30

Build Height: 15cm | 5.9in

Heel height: 1cm | .4in

Weight: 730g | 26oz (size 26 with footshell)

### Product code example

Model	Size	Side	Rate
BSPRO	25	L/R	42

Add -D for dark footshell

### Max user weight:

SIZE (cm)	K3
22-24	223lb
25-30	403lb



Footshell and spectra sock are included

### Key Features



### FIND YOUR PRODUCT CODE!





# BioStep<sup>™</sup> CL

Patent No. 7,410,503~ | 8,236,062~ | 8,574,314~ | 8,808,395~

### Your everyday companion.

Our Classic foot with all benefits of the NRG<sup>™</sup> Technology; it provides a firm connection to the ground.

Suggested for urban walkers and aggressive walkers searching for a strong, durable and comfortable dynamic response foot.

### Natural and responsive.



 К1
 К2
 К3 ×
 К4

**Activity Level** 

Key E	Benefits
	Lightweight
	Physiological and energy efficient gait
	Smooth rollover during the whole gait cycle
	High dynamic response to support an active lifestyle
(Fř	Possibility to do a wide range of activities with just one single foot
	Ground compliance and stability on all terrains
	Reduction of secondary issues thanks to a more balanced posture and symmetrical gait
	Low maintenance



Size Range: 22-30

Build Height: 15cm | 5.9in

Heel height: 1cm | .4in

Weight: 740g | 26oz (size 26 with footshell)

# Product code example

Model	Size	Side	Rate
BSCL	25	L/R	42

Add –D for dark footshell

Max user weight:

**K3** 

223lb

403lb

SIZE (cm)

22-24 25-30

Footshell and spectra sock are included

### Key Features



### FIND YOUR PRODUCT CODE!





# BioStep<sup>™</sup> XT

Patent No. 7,410,503~ | 8,236,062~ | 8,574,314~ | 8,808,395~

### The relentless energy.

# Maximum energy storage and return for the most demanding patients.

Suggested for high impact activities equiring torsional movement and for occasional sports activities.

Natural, comfortable, extremely responsive.



Activity level



# Key Benefits Image: Second state in the s



Size Range: 22-30

Build Height: 18.5cm | 7.3in

Heel height: 1cm | .4in

Weight: 840g | 30oz (size 26 with footshell)

### Max user weight:

SIZE (cm)	К3
22-30	309lb

### Product code example

Model	Size	Side	Rate
BSXT	25	L/R	42

Add –D for dark footshell



Footshell and spectra sock are included

### Key Features



### FIND YOUR PRODUCT CODE!





# BioStep<sup>™</sup> LP

Patent No. 8,574,314~

# Low build height for a great freedom.

The ideal solution for active users with long residual limbs. It provides secure contact with the ground, as well as responsive action and ground compliance.

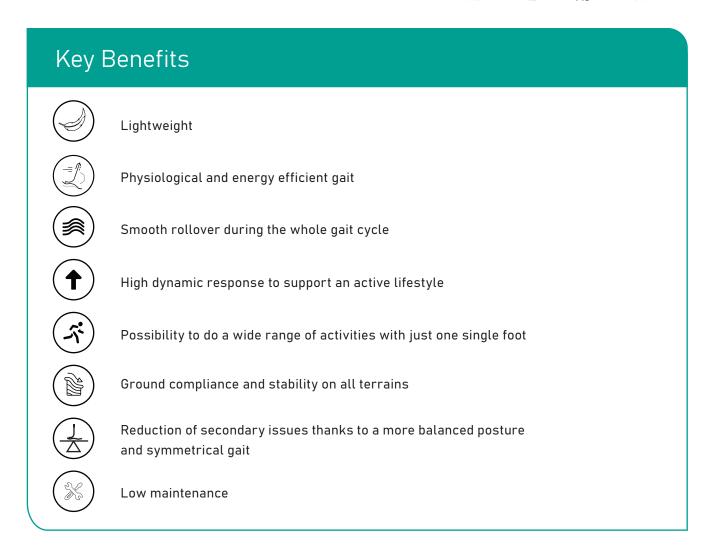
Suggested for medium and high mobility users with long residual limbs, who want a responsive, allaround foot.



# **<sup>K</sup>1 K2 K3 √** H

**Activity level** 

Responsive with low height.





Size Range: 22-30

Build Height: 6.8cm | 2.7in

Heel height: 1cm | .4in

Weight: 600g | 21.2oz (size 26 with footshell)

### Product code example

Model	Size	Side	Rate
BSLP	25	L/R	E

Add –D for dark footshell



Footshell and spectra sock are included

## Key Features



**Split Toe** 



Range of Motion 26°

Increased Shock Absorption



### FIND YOUR PRODUCT CODE!

Use our product selector to find the product code that fits your individual needs.





## Max user weight:

**K3** 

194lb

324lb

SIZE (cm)

22-24

25-30

# ALPS® WARRANTY POLICY

All products are backed by a 30 day no questions asked warranty policy.



ITEM	DESCRIPTION	WARRANTY (SINGLE)	WARRENTY (PAIR)
AKDT/AKDTHD/ AFFR/AKFRHD	Extreme™ Liner	12 Months	24 Months
APDT-TP/APFR-TP	Anterior-Posterior Tapered Liner	12 Months	24 Months
ECDTHD/ECFRHD	Eco™ Liner	12 Months	24 Months
ELDT/ELFR	EasyLiner®	12 Months	24 Months
ELPX	EasyLiner <sup>®</sup> Super Stretch	6 Months	
EZF	EasyFlex™ Liner	12 Months	24 Months
GPDT/GPFR	General Purpose Liner	12 Months	24 Months
PSI	Proximal Seal Interface Liner	6 Months	12 Months
SAFR/SADT/SBFR	Smart Seal™ Liner	6 Months	
SPDT/SPDTHD/SPFR/SPFRHD	Superior Performance Liner	12 Months	24 Months
VDST	Liberty™ Liner	12 Months	24 Months
LSL/LSC	Silicone Pro Liner	12 Months	24 Months



ITEM	DESCRIPTION	WARRANTY (SINGLE)	WARRENTY (PAIR)
PFGDT/PFGFR	Profit Liner	12 Months	24 Months
SSGSL/SSGSC	SoftSil Liner	12 Months	24 Months

SLEEVES		
ITEM	DESCRIPTION	WARRANTY
SFB/SFBHD	Superior Suspension Sleeve	3 Months
SFK	Extreme Sleeve	3 Months
SFP/SFPHD	Superior Performance Sleeve	3 Months
SFR	Easy Sleeve	3 Months
SFX	Flex Sleeve	3 Months
SLE	Easy Sleeve Super Stretch	3 Months
VIVA	Valve Integrated Vacuum Activated	3 Months
RFS	Fabric Reinforced Straight Sleeve	3 Months
RFX	Fabric Reinforced Flex Sleeve	3 Months
APS	Anterior Posterior Tapered Sleeve	3 Months

LOCKS		
ITEM	DESCRIPTION	WARRANTY
S498-P	ALPS <sup>®</sup> Lock with Pyramid	6 Months
S496-W	ALPS <sup>®</sup> Lock Flat Bottom	6 Months

EXTRA		
ITEM	DESCRIPTION	WARRANTY
ENCP	Skin Reliever	1 Month
KC	Prosthetic Socks	1 Month
PDS	Silicone Distal Pad	6 Months
VIP™	Vacuum Integrated Pump	6 Months

SKIN CARE		
ITEM	DESCRIPTION	WARRANTY
ANT-CEP50	Antioxidant Cream	90 Days
PA604	Prosthetic Lubricant	90 Days
PD595	Prosthetic Cleanser	90 Days
SL108	Skin Lotion	90 Days

BIOSTEP™	
ITEM	WARRANTY
BioStep™ EVO, BioStep™ PRO, BioStep™ CL, BioStep™ XT, BioStep™ LP	3 Years
Foot Shell	6 Months
Spectra Sock	1 Month



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