

# Prosthetics Catalog 2021





### ◆ Contact Us:

Phone Orders: **+49 (0) 7161 15684 - 0**  
Fax Orders: +49 (0) 7161 15684 - 333  
E-Mail Orders: [bestellungen@teufel-international.com](mailto:bestellungen@teufel-international.com)  
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## ◆ Teufel. Makes a Difference.

Ever since its foundation in 1862 in Stuttgart, Teufel has stood for high product quality without compromise, striving to offer the best solution possible for every user.

Over the course of more than 150 years therapies, techniques and materials have been changed and refined.

What has not changed are our standards: Each of our products and services serves the goal of regaining, preserving, and improving the quality of life for the user.

In all four areas of our business, prosthetics, orthotics, c-fab and materials, this is the goal we strive to reach for you, every day.



#### Prosthetics

Prosthetic components for all activity levels, within a large portfolio.



#### Orthotics

Orthotic solutions, from head to toe, offering maximum of treatment safety.



#### Materials

A wide selection of raw materials for all orthopedic applications.



#### WILHELM JULIUS TEUFEL GmbH

The company headquarters in  
73117 Wangen



#### C-Fab

C-fab, geared to individual requirements, both for prosthetics and orthotics.

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## ◆ Activity Levels and Weight Limits



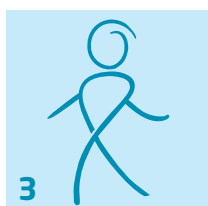
### Very Little Activity

- Very little walking activity (< 100 m a day)
- Walking speed < 1 km/h
- Walking aids and/or assistance required
- Almost exclusively sedentary lifestyle



### Low Activity

- Little walking activity (< 1 km a day)
- Slow walking speed (1-2 km/h)
- Walking aids required
- Mainly sedentary lifestyle



### Average Activity

- Normal walking activity (< 5 km a day)
- Average walking speed (2 - 4 km/h)
- No walking aids required
- Moderately active lifestyle (job, leisure time)



### High Activity

- High walking performance (>10 km a day)
- High walking speed, running is possible (> 4 km/h)
- Descending stairs step-over-step is possible
- Physically highly active lifestyle (job, sports)



### Weight Limit:

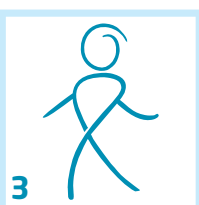
The user's adjusted body weight should not exceed the weight limit.

### Adjusted Bodyweight:

The term "adjusted body weight" refers to the sum of the user's body weight and the weight of loads he normally or routinely carries. The adjusted body weight has to be below the weight limit given for the relevant component.



Components marked as waterproof are designed to be used in fresh water and are corrosion-resistant.



### Blue Icon:

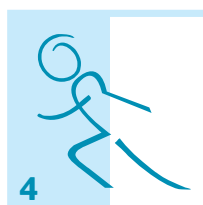
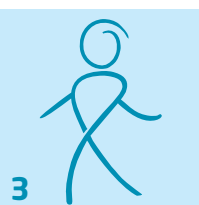
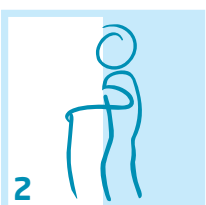
Approved for this activity level.

### White Icon:

**Not** approved for this activity level.

### Half Blue/Half White Icon:

Approved also for users who were classified to be slightly above or below the main activity level (blue icon).





# BK Liners

Alpha Basic Liner  
Alpha Original Liner  
Alpha Original MP Liner  
Alpha Spirit Liner  
Alpha MAX Liner  
Alpha SmartTemp® TPE Gel BK Liner  
Alpha Express Liner  
Alpha Start Liner  
Alpha Hybrid® Liner  
Alpha Hybrid® Liner Low Panel  
Alpha Silicone Liner  
Alpha SmartTemp® Liner  
Alpha DUO® Liner



## ◆ Alpha BK Liners

The Alpha Liner product line offers a wide range of versatile liners that meet all user requirements. Highest material quality, a good fit and great durability are only some of the Alpha Liners' exceptional features. We want to help you choose the optimal liner for your users.




























Properties	BK Liners (Tibia)	
		
	e. g. Alpha Hybrid® Liner	
Page	e. g. 40	
Material**	e. g. Hybrid Gel	
Surface	e. g. Tacky	
Fabric Type***	e. g. Select	
Color	e. g. Gray/White	
Sizes (Distal Circumference in cm)	z. B. Sz. „S/S1“ - „XL“ (15 - 45 cm/14 - 55 cm)	
Total Length BK	e. g. 53 cm	
Gel Profile: Identical profiles (same color) are compatible with each other		
Uniform Profile, Standard Umbrella		
Progressive Profile, Accordion Umbrella		
Suspension Style	e. g. Locking; Cushion	
Available Gel Thickness	e. g. Basic Profile: 6 mm	

## Which Liner for Which User?

The large variety of options offered to the user by the Alpha Liners makes it possible to cater to a very wide range of requirements regarding activity levels, material properties and individual user needs.

**The diagrams on the following pages will help you select the desired liner version.  
The explanations below will make it easy for you to use and understand the diagrams:**

	Symbol Explanation
	Product image.
	Name of the liner model.
	Matching catalog page.
	Describes the material of the liner. The material properties are explained in detail on the catalog page with the material overview.
	Describes the grip of the material on the inside of the liner. Differs in how strongly the liner sticks to the skin.
	Product name of the liner's textile cover. The material properties are explained in detail on the catalog page with the material overview.
	Color of the outside of the liner. The color is predefined and cannot be changed.
	Defines the range of possible circumferences and according sizes which are regularly available.
	Total length of the unshortened liner.
	<p>The term „profile“ refers to the inside shape of the liner (i.e. the material thickness of the liner in different areas). The profile overview describes the different profiles in detail and lists recommendations for use.</p> <p>Compatibility: All liners with the Uniform Profile (green liner symbol) are interchangeable, without the prosthetic socket having to be changed.</p> <p>The term „umbrella“ refers to the distal pin connection on locking liners.</p> <p>Liners with the Uniform Profile come with a standard umbrella (blue umbrella symbol, one layer).</p>
	<p>The term „profile“ refers to the inside shape of the liner (i.e. the material thickness of the liner in different areas). The profile overview describes the different profiles in detail and lists recommendations for use.</p> <p>Compatibility: All liners with the Progressive Profile (blue liner symbol) are interchangeable, without the prosthetic socket having to be changed.</p> <p>Liners with the Progressive Profile come with an accordion umbrella (blue umbrella symbol, multiple layers).</p>
	<p>Locking liners feature a distal 10mm threaded hole for a pin connection. Cushion liners are used for suction suspension.</p>
	Defines in which gel thicknesses the liner is available, and how thick the gel is in specific areas (e.g. the distal end.).

Properties	BK Liners (Tibia)						
							
	<b>Alpha Basic-Liner</b>	<b>Alpha Original/MP*-Liner</b>	<b>Alpha Spirit-Liner</b>	<b>Alpha MAX-Liner</b>	<b>Alpha SmartTemp TPE Gel Liner</b>	<b>Alpha Express-Liner</b>	
<b>Page</b>	14	16	24	28	32	36	
<b>Material**</b>	Classic Gel	Classic Gel	Classic Gel	Classic Gel	TPE Gel with PCM	Soft Silicone	
<b>Surface</b>	Tacky	Tacky	Tacky	Tacky	Tacky	Silky	
<b>Fabric Type***</b>	Alpha Basic	Original	Spirit	Max	Select	Original; Select	
<b>Color</b>	Buff	Green/Gray	Buff	Buff	Taupe/White	Buff; Gray/White	
<b>Sizes (dist. circumference in cm)</b>	Sz. "16" - "44" (16 - 53 cm)	Sz. "S" - "XL" (15 - 45 cm)	Sz. "S" - "XL" (15 - 45 cm)	Sz. "S" - "XL" (15 - 45 cm)	Sz. "S" - "XL" (15 - 45 cm)	Sz. "M" - "L+" (18 - 40 cm)	
<b>Total Length BK</b>	46 cm	46 cm	46 cm	46 cm	53 cm	46 cm	
<b>Gel Profile: Identical profiles (same color) are compatible with each other</b>							
<b>Uniform Profile, Standard Umbrella</b>							
<b>Progressive Profile, Accordion Umbrella</b>							
<b>Other Profiles</b>	Even Wall Thickness of 6 mm	Tapered Contoured					
<b>Suspension Style</b>	Locking; Cushion	Locking; Cushion	Locking; Cushion	Locking; Cushion	Locking; Cushion	Locking; Cushion	
<b>Gel Thickness</b>	Basic Profile: 6 mm	Uniform Profile: 3*, 6 or 9* mm Anterior, 3 mm Posterior	Uniform Profile: 3, 6 or 9 mm Anterior, 3 mm Posterior	Uniform Profile: 3, 6 or 9 mm Anterior, 3 mm Posterior	Progressive Profile: 9 mm Distal, 6 mm at Tibial Crest, 2.5 mm Proximal Uniform Profile: 6 mm Anterior, 3 mm Posterior	Uniform Profile: 6 mm Anterior, 3 mm Posterior	
<b>Recommended application based on activity levels</b>							
<b>Recommended Activity Level</b>	1 to 3 	1 to 3 	1 to 3 	1 to 3 	1 to 4 	1 to 3 	
<b>Recommended application based on limb shape (the following parameters were rated as "✓✓✓=ideal", "✓✓=recommendable")</b>							
 <b>Good Soft Tissue Coverage, Even Residual Limb Shape</b>	✓✓	✓✓	✓✓	✓✓	✓✓✓	✓✓	
 <b>Little Soft Tissue Coverage, Bony Residual Limb</b>	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓	✓✓✓	
 <b>Good Soft Tissue Coverage, Very Conical Residual Limb Shape</b>	✓✓	✓✓✓  Technician's Tip: Consider one of the "Plus"-sizes for very conical limb shapes.	✓✓  Technician's Tip: Consider one of the "Plus"-sizes for very conical limb shapes.	✓✓  Technician's Tip: Consider one of the "Plus"-sizes for very conical limb shapes.	✓✓✓  Technician's Tip: Consider one of the "Plus"-sizes for very conical limb shapes.	✓✓  Technician's Tip: Consider one of the "Plus"-sizes for very conical limb shapes.	
<b>Deep Scars, Anatomically Complex Limb Shapes, Custom Material Thickness Required</b>	✓	✓	✓	✓	✓	✓	

**\*Alpha MP Liners are only available with a gel thickness of 6 mm.**

More liner versions are available as custom items with REF WW.LINER-X.

**\*\*Legend Material:**






















**Classic Gel:** Maximum flowability, perfect adaptation to anatomical structures.

**Hybrid Gel:** High flowability, increased durability, also ideal for users with higher activity levels.

**Soft-Silicone:** Soft cushioning effect, maximum elasticity, offers a high level of comfort and good control.

**Silicone:** Pleasantly firm cushioning effect and high elasticity for maximum control.

**Silicone with Outlast:** Absorbs temperature fluctuations, noticeably reduces perspiration.

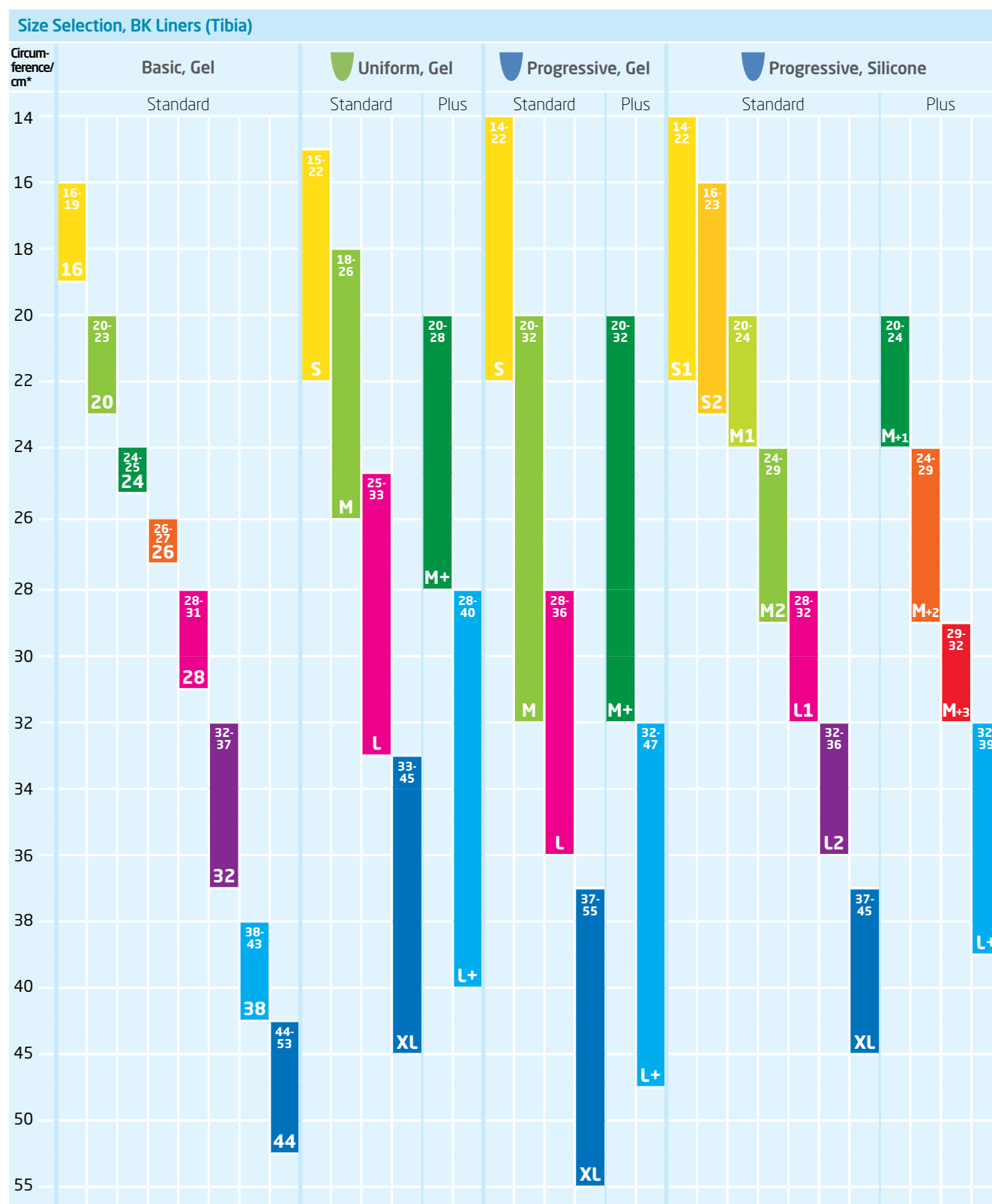
					
<b>Alpha Start-Liner</b>	<b>Alpha Hybrid®-Liner</b>	<b>Alpha Silicone-Liner</b>	<b>Alpha SmartTemp®-Liner</b>	<b>Alpha DUO® Liner</b>	<b>Alpha DESIGN® Liner</b>
38	40	46	48	52	82
Silicone	Hybrid Gel	Silicone	Silicone with Outlast	Inside: Classic Gel Outside: Silicone	Classic/Hybrid Gel; Soft Silicone
Silky	Tacky	Silky	Silky	Tacky	Tacky/Silky
Select	Select	Select	Select	No Fabric Cover	Original; Spirit; Max; Select
Orange/White	Gray/White	Taupe/White	Taupe/White	Dark Gray	According to Fabric Cover
Sz. "M+2" - "L+" (24 - 39 cm)	Sz. "S/S1" - "XL" (15 - 45 cm/14 - 55 cm)	Sz. "S1" - "XL" (14 - 45 cm)	Sz. "S1" - "XL" (14 - 45 cm)	Sz. "S" - "XL" (15 - 45 cm)	(19 - 60 cm)
53 cm	53 cm	53 cm	53 cm	46 cm	48 cm
					
				One System Symmetrical, wall thickness decreases from distal to a proximal thickness of 4,5 mm.	Umbrella size is selected to match liner size
Locking; Cushion	Locking; Cushion	Locking; Cushion	Locking; Cushion	Cushion	Locking; Cushion
Progressive Profile: 9 mm Distal, 6 mm at Tibial Crest, 2.5 mm Proximal	Progressive Profile: 9 mm Distal, 6 mm at Tibial Crest, 2.5 mm Proximal  Uniform Profile: 6 mm Anterior, 3 mm Posterior	Progressive Profile: 9 mm Distal, 6 mm at Tibial Crest, 2.5 mm Proximal	Progressive Profile: 9 mm Distal, 6 mm at Tibial Crest, 2.5 mm Proximal  Uniform Profile: 6 mm Anterior, 3 mm Posterior	OneSystem Symmetrical Profile: 9 mm Distal, 4.5 mm Proximal	Individual Gel Thickness, 3 - 25 mm
					
and "✓=less recommendable")					
✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓
✓✓	✓✓✓	✓✓	✓✓	✓✓	✓✓
✓✓✓  Technician's Tip: Consider one of the "Plus"-sizes for very conical limb shapes.	✓✓✓  Technician's Tip: Consider one of the "Plus"-sizes for very conical limb shapes.	✓✓✓  Technician's Tip: Consider one of the "Plus"-sizes for very conical limb shapes.	✓✓✓  Technician's Tip: Consider one of the "Plus"-sizes for very conical limb shapes.	✓✓  Technician's Tip: Consider one of the "Plus"-sizes for very conical limb shapes.	✓✓
✓	✓	✓	✓	✓	✓✓✓

## \*\*\*Legend Fabric Types:

**Alpha Basic:** Robust nylon textile, locking style with distally positioned Select Fabric.**Original:** Fine but robust nylon textile. Supports the elasticity of the liner.**Spirit:** Robust textile, high flexibility for easy donning and doffing. Hook-and-loop fasteners will stick to Spirit Fabric.**MAX:** Terry cloth textile, very suitable for suction systems.**Select:** Functional textile, almost zero elongation, reduces pressure on the patella, perfectly suitable for suction systems.

## • Overview Alpha® BK Liners

This overview allows you to compare the sizes of Alpha Liners with the sizes of alternative liner brands. Based on the distal circumference of the liner (e.g. Sz. 22) you can see which Alpha size matches this measurement.



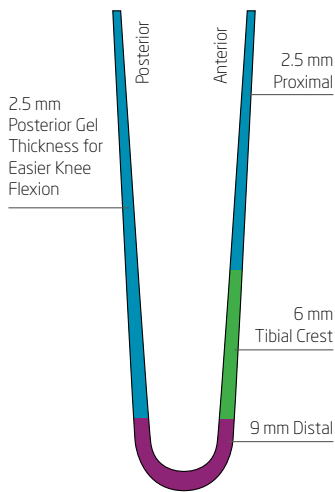
\*Measured 4 cm above distal end (6 cm for Basic Liners)

### How to select the right size if sizes overlap:

Select the larger size (e.g. M) if the residual limb has little soft tissue coverage.

Select the smaller size (e.g. S) if there is good to strong soft tissue coverage on the residual limb.

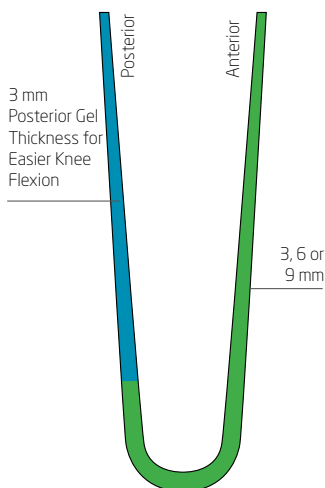
## Progressive Profile



The Progressive Profile combines many advantages. It features 2.5 mm of posterior gel thickness for easier knee flexion. Overall, the liner is very thin on the proximal side, while nevertheless cushioning the tibia with a 6-mm gel padding, and featuring a distal gel padding of 9 mm.

All Alpha Liners with Progressive Profile are compatible with each other.

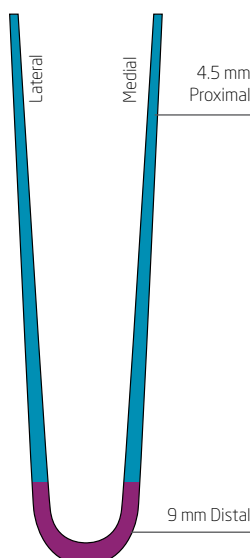
## Uniform Profile



The Uniform Profile is a classic WillowWood profile. Posterior gel thickness is always 3 mm for easier knee flexion. You can choose from 3 anterior gel thicknesses.

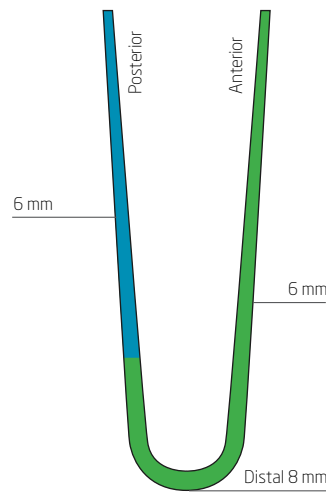
All Alpha Liners with Uniform Profile are compatible with each other.

## OneSystem Symmetrical Profile



This is the profile for One System Liners. Even wall thickness of 4.5 mm, distal cushioning is 9 mm.

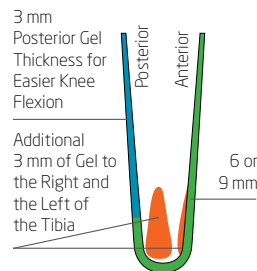
## Basic Profile



The gel on Basic Profile liners is 6 mm thick. The profile is used on Alpha Basic Liners. With these liners, users who have so far been using liners with the same profile from other manufacturers can experience the comfort of WillowWood gel.

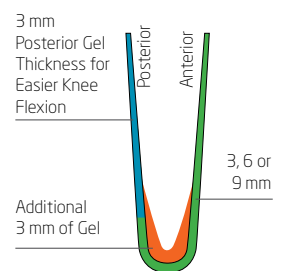
The Basic Profile is not compatible with any other WillowWood profiles.

## Contoured Profile



The Contoured Profile is an additional version of the Alpha Original Liner. It features additional gel pads to the left and the right of the tibia. Especially recommendable for users with a sensitive tibial area.

## Tapered Profile



The Tapered Profile is an additional version of the Alpha Original Liner. It features an additional 3 mm of gel all around the distal area for maximum distal padding.

## Locking Suspension Standard Umbrella



The standard umbrella is the functional pin-connection e.g. of liners with a Uniform Profile.

## Accordion Umbrella



The accordion umbrella is the pin-connection of Progressive Profile Liners. The umbrella is characterized by its circular ribbing. Thanks to the ribbing, the umbrella adapts even better to the distal shape of the residual limb.

## Cushion Suspension



Cushion liner versions make it possible to use liners both for AK and BK vacuum suspension. an Additional proximal seal (sleeve or gel sleeve) is required.



◆ Alpha Basic Liner

Alpha Basic Liners are a great match for users who want a liner that is especially easy to don and doff. The liner’s fabric cover is exceptionally soft and elastic.

The locking style version of the liner features one-way stretch Select Fabric on the distal end to minimize pistoning without requiring a constrictive distal matrix. The classic Alpha Gel allows for maximum cushioning and comfort even for users with more sensitive residual limbs.

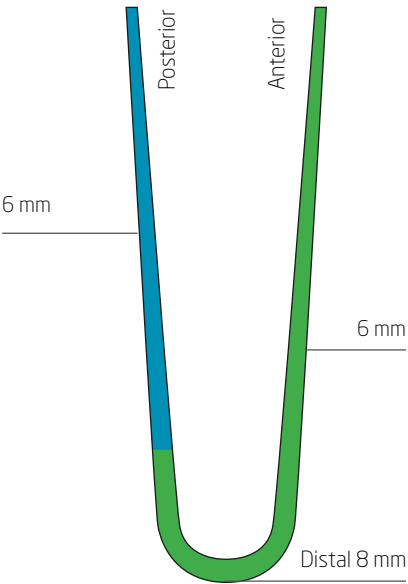
👍 Practical Tip:

The 6-mm gel profile allows users of alternative profiles from other manufacturers to experience the comfort and wearing benefits of original WillowWood Liners.

Different from other Alpha Liners, the circumference measurement for the Alpha Basic Liner should be taken 6 cm from the distal end of the limb.

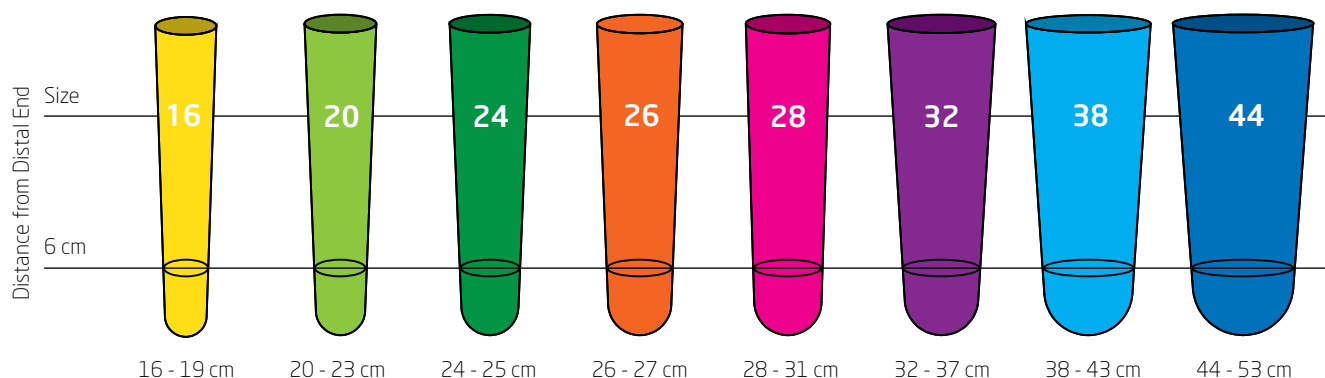
Material	Classic Gel
Fabric Type	Alpha Basic*
Color	Buff
Suspension Style	Available in locking and cushion style
Profile/Umbrella	Basic/Standard 
Compatibility	Compatible with liners with an even wall thickness of 6 mm
Total Length	46 cm (+/- 1.5 cm)

Basic Profile



\*Robust nylon textile, locking style with distally positioned Select Fabric.

## Sizing Guide: Alpha Basic Liner



## Size Chart: Alpha Basic Locking Liner

REF Locking Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (6 cm) Distal/cm
WW.ABLL-16-6	Alpha Basic	Basic	6	16	16 - 19
WW.ABLL-20-6	Alpha Basic	Basic	6	20	20 - 23
WW.ABLL-24-6	Alpha Basic	Basic	6	24	24 - 25
WW.ABLL-26-6	Alpha Basic	Basic	6	26	26 - 27
WW.ABLL-28-6	Alpha Basic	Basic	6	28	28 - 31
WW.ABLL-32-6	Alpha Basic	Basic	6	32	32 - 37
WW.ABLL-38-6	Alpha Basic	Basic	6	38	38 - 43
WW.ABLL-44-6	Alpha Basic	Basic	6	44	44 - 53


## Size Chart: Alpha Basic Cushion Liner

REF Cushion Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (6 cm) Distal/cm
WW.ABCL-16-6	Alpha Basic	Basic	6	16	16 - 19
WW.ABCL-20-6	Alpha Basic	Basic	6	20	20 - 23
WW.ABCL-24-6	Alpha Basic	Basic	6	24	24 - 25
WW.ABCL-26-6	Alpha Basic	Basic	6	26	26 - 27
WW.ABCL-28-6	Alpha Basic	Basic	6	28	28 - 31
WW.ABCL-32-6	Alpha Basic	Basic	6	32	32 - 37
WW.ABCL-38-6	Alpha Basic	Basic	6	38	38 - 43
WW.ABCL-44-6	Alpha Basic	Basic	6	44	44 - 53



WW.ALC-XXXX-E

WW.ALL-XXXX-E

<b>Material</b>	Classic Gel
<b>Fabric Type</b>	Original*
<b>Color</b>	Green/Gray
<b>Suspension Style</b>	Available in locking and cushion style
<b>Profile/Umbrella</b>	Uniform/Standard 
<b>Profile/Umbrella</b>	Contoured/Standard Tapered/Standard 
<b>Compatibility</b>	See overview on page 10
<b>Total Length</b>	46 cm (+/- 1.5 cm)

## ◆ Alpha Original Liner

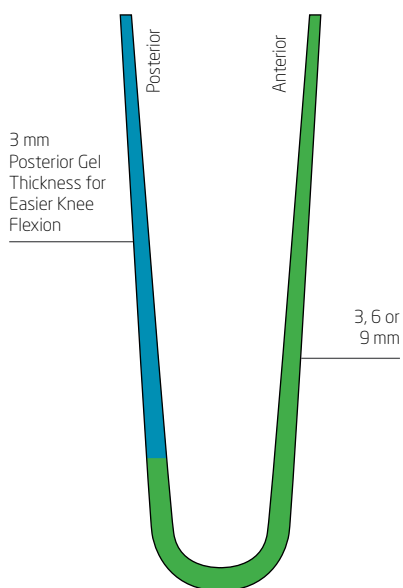
The Alpha Original Liner provides an exceptional level of comfort. It consists of hypo-allergenic, skin-friendly gel.

Alpha Original Liners are available in three gel thicknesses and in six different sizes. Liners in sizes medium, medium plus and large are also available with three different profiles of different gel thicknesses.

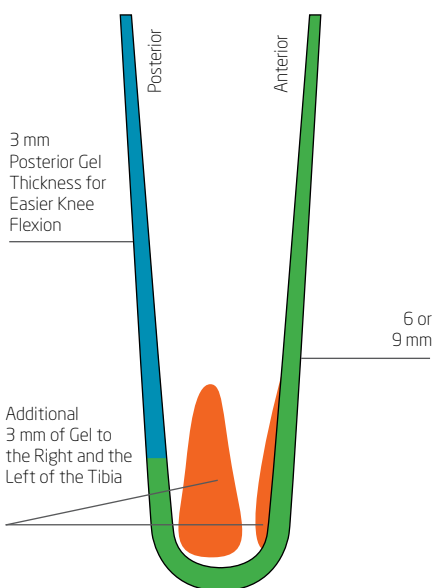
### 👍 Practical Tip:

- 6-mm-Liner: Perfectly combines cushioning with great control over the prosthesis.
- 3-mm-Liner: Maximum control. Recommended also if a volume decrease has to be expected. It is then possible to switch to a 6-mm liner.
- 9-mm-Liner: Maximum cushioning.
- Contoured Profile: Additional gel pads to the left and the right of the tibia. Especially recommendable for users with a sensitive tibial area.
- Tapered Profile: Features an additional 3 mm of gel all around the distal area for maximum distal padding.

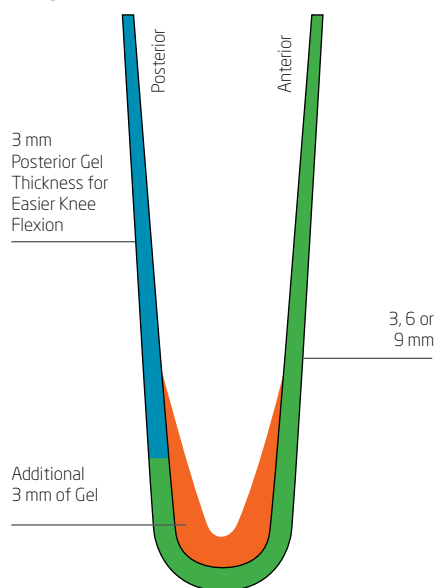
### Uniform Profile



### Contoured Profile



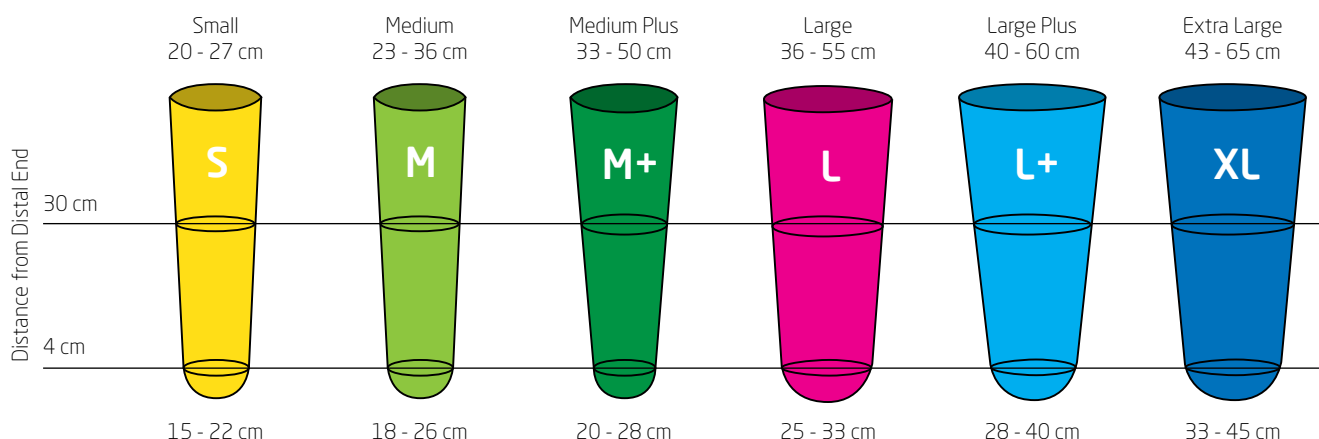
### Tapered Profile



## Ordering Guidelines: Alpha Original Liner

	WW.ALC-5066-E	Ordering Example for Alpha Original Liner
<b>Model</b>	ALC	ALC = Alpha Cushion Liner ALL = Alpha Locking Liner
<b>Profile</b>	5	5 = Uniform 7 = Tapered (for Sizes Medium, Medium Plus and Large Only) 9 = Contoured (for Sizes Medium, Medium Plus and Large Only)
<b>Fabric Type</b>	0	0 = Original Fabric Cover: Green/Gray
<b>Gel Thickness</b>	6	3 = 3 mm (for Uniform or Tapered Liner Profiles Only) 6 = 6 mm 9 = 9 mm
<b>Size</b>	6	3 = Small 0 = Medium 1 = Medium with Small Umbrella (Upon Advance Order, not in Regular Stock) 4 = Medium Plus 5 = Medium Plus with Small Umbrella (Upon Advance Order, not in Regular Stock) 6 = Large 8 = Large Plus 7 = Extra Large

## Sizing Guide: Alpha Original Liner



## Size Chart: Alpha Original Liner, Uniform Profile, Locking

REF Locking Liner	Profile	Fabric Type	Gel Thick- ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.ALL-5033-E	Uniform	Original	3	Small	15 - 22	20 - 27
WW.ALL-5030-E	Uniform	Original	3	Medium	18 - 26	23 - 36
WW.ALL-5034-E	Uniform	Original	3	Medium Plus	20 - 28	33 - 50
WW.ALL-5036-E	Uniform	Original	3	Large	25 - 33	36 - 55
WW.ALL-5038-E	Uniform	Original	3	Large Plus	28 - 40	40 - 60
WW.ALL-5037-E	Uniform	Original	3	Extra Large	33 - 45	43 - 65
WW.ALL-5063-E	Uniform	Original	6	Small	15 - 22	20 - 27
WW.ALL-5060-E	Uniform	Original	6	Medium	18 - 26	23 - 36
WW.ALL-5064-E	Uniform	Original	6	Medium Plus	20 - 28	33 - 50
WW.ALL-5066-E	Uniform	Original	6	Large	25 - 33	36 - 55
WW.ALL-5068-E	Uniform	Original	6	Large Plus	28 - 40	40 - 60
WW.ALL-5067-E	Uniform	Original	6	Extra Large	33 - 45	43 - 65
WW.ALL-5093-E	Uniform	Original	9	Small	15 - 22	20 - 27
WW.ALL-5090-E	Uniform	Original	9	Medium	18 - 26	23 - 36
WW.ALL-5094-E	Uniform	Original	9	Medium Plus	20 - 28	33 - 50
WW.ALL-5096-E	Uniform	Original	9	Large	25 - 33	36 - 55
WW.ALL-5098-E	Uniform	Original	9	Large Plus	28 - 40	40 - 60
WW.ALL-5097-E	Uniform	Original	9	Extra Large	33 - 45	43 - 65

## Size Chart: Alpha Original Liner, Uniform Profile, Locking with Small Umbrella\*

REF Locking Liner	Profile	Fabric Type	Gel Thick- ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.ALL-5031-E	Uniform	Original	3	Medium	18 - 26	23 - 36
WW.ALL-5035-E	Uniform	Original	3	Medium Plus	20 - 28	33 - 50
WW.ALL-5061-E	Uniform	Original	6	Medium	18 - 26	23 - 36
WW.ALL-5065-E	Uniform	Original	6	Medium Plus	20 - 28	33 - 50
WW.ALL-5091-E	Uniform	Original	9	Medium	18 - 26	23 - 36
WW.ALL-5095-E	Uniform	Original	9	Medium Plus	20 - 28	33 - 50

## Size Chart: Alpha Original Liner, Uniform Profile, Cushion

REF Cushion Liner	Profile	Fabric Type	Gel Thick- ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.ALC-5033-E	Uniform	Original	3	Small	15 - 22	20 - 27
WW.ALC-5030-E	Uniform	Original	3	Medium	18 - 26	23 - 36
WW.ALC-5034-E	Uniform	Original	3	Medium Plus	20 - 28	33 - 50
WW.ALC-5036-E	Uniform	Original	3	Large	25 - 33	36 - 55
WW.ALC-5038-E	Uniform	Original	3	Large Plus	28 - 40	40 - 60
WW.ALC-5037-E	Uniform	Original	3	Extra Large	33 - 45	43 - 65
WW.ALC-5063-E	Uniform	Original	6	Small	15 - 22	20 - 27
WW.ALC-5060-E	Uniform	Original	6	Medium	18 - 26	23 - 36
WW.ALC-5064-E	Uniform	Original	6	Medium Plus	20 - 28	33 - 50
WW.ALC-5066-E	Uniform	Original	6	Large	25 - 33	36 - 55
WW.ALC-5068-E	Uniform	Original	6	Large Plus	28 - 40	40 - 60
WW.ALC-5067-E	Uniform	Original	6	Extra Large	33 - 45	43 - 65
WW.ALC-5093-E	Uniform	Original	9	Small	15 - 22	20 - 27
WW.ALC-5090-E	Uniform	Original	9	Medium	18 - 26	23 - 36
WW.ALC-5094-E	Uniform	Original	9	Medium Plus	20 - 28	33 - 50
WW.ALC-5096-E	Uniform	Original	9	Large	25 - 33	36 - 55
WW.ALC-5098-E	Uniform	Original	9	Large Plus	28 - 40	40 - 60
WW.ALC-5097-E	Uniform	Original	9	Extra Large	33 - 45	43 - 65

## Size Chart: Alpha Original Liner, Contoured Profile, Locking

REF Locking-Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.ALL-9060-E	Contoured	Original	6	Medium	18 - 26	23 - 36
WW.ALL-9064-E	Contoured	Original	6	Medium Plus	20 - 28	33 - 50
WW.ALL-9066-E	Contoured	Original	6	Large	25 - 33	36 - 55
WW.ALL-9090-E	Contoured	Original	9	Medium	18 - 26	23 - 36
WW.ALL-9094-E	Contoured	Original	9	Medium Plus	20 - 28	33 - 50
WW.ALL-9096-E	Contoured	Original	9	Large	25 - 33	36 - 55

## Size Chart: Alpha Original Liner, Contoured Profile, Locking with Small Umbrella\*

REF Locking-Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.ALL-9061-E	Contoured	Original	6	Medium	18 - 26	23 - 36
WW.ALL-9065-E	Contoured	Original	6	Medium Plus	20 - 28	33 - 50
WW.ALL-9091-E	Contoured	Original	9	Medium	18 - 26	23 - 36
WW.ALL-9095-E	Contoured	Original	9	Medium Plus	20 - 28	33 - 50

## Size Chart: Alpha Original Liner, Contoured Profile, Cushion

REF Cushion-Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.ALC-9060-E	Contoured	Original	6	Medium	18 - 26	23 - 36
WW.ALC-9064-E	Contoured	Original	6	Medium Plus	20 - 28	33 - 50
WW.ALC-9066-E	Contoured	Original	6	Large	25 - 33	36 - 55
WW.ALC-9090-E	Contoured	Original	9	Medium	18 - 26	23 - 36
WW.ALC-9094-E	Contoured	Original	9	Medium Plus	20 - 28	33 - 50
WW.ALC-9096-E	Contoured	Original	9	Large	25 - 33	36 - 55

### Size Chart: Alpha Original Liner, Tapered Profile, Locking

REF Locking-Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.ALL-7030-E	Tapered	Original	3	Medium	18 - 26	23 - 36
WW.ALL-7034-E	Tapered	Original	3	Medium Plus	20 - 28	33 - 50
WW.ALL-7036-E	Tapered	Original	3	Large	25 - 33	36 - 55
WW.ALL-7060-E	Tapered	Original	6	Medium	18 - 26	23 - 36
WW.ALL-7064-E	Tapered	Original	6	Medium Plus	20 - 28	33 - 50
WW.ALL-7066-E	Tapered	Original	6	Large	25 - 33	36 - 55
WW.ALL-7090-E	Tapered	Original	9	Medium	18 - 26	23 - 36
WW.ALL-7094-E	Tapered	Original	9	Medium Plus	20 - 28	33 - 50
WW.ALL-7096-E	Tapered	Original	9	Large	25 - 33	36 - 55

### Size Chart: Alpha Original Liner, Tapered Profile, Locking with Small Umbrella\*

REF Locking-Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.ALL-7031-E	Tapered	Original	3	Medium	18 - 26	23 - 36
WW.ALL-7035-E	Tapered	Original	3	Medium Plus	20 - 28	33 - 50
WW.ALL-7061-E	Tapered	Original	6	Medium	18 - 26	23 - 36
WW.ALL-7065-E	Tapered	Original	6	Medium Plus	20 - 28	33 - 50
WW.ALL-7091-E	Tapered	Original	9	Medium	18 - 26	23 - 36
WW.ALL-7095-E	Tapered	Original	9	Medium Plus	20 - 28	33 - 50

### Size Chart: Alpha Original Liner, Tapered Profile, Cushion

REF Cushion-Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.ALC-7030-E	Tapered	Original	3	Medium	18 - 26	23 - 36
WW.ALC-7034-E	Tapered	Original	3	Medium Plus	20 - 28	33 - 50
WW.ALC-7036-E	Tapered	Original	3	Large	25 - 33	36 - 55
WW.ALC-7060-E	Tapered	Original	6	Medium	18 - 26	23 - 36
WW.ALC-7064-E	Tapered	Original	6	Medium Plus	20 - 28	33 - 50
WW.ALC-7066-E	Tapered	Original	6	Large	25 - 33	36 - 55
WW.ALC-7090-E	Tapered	Original	9	Medium	18 - 26	23 - 36
WW.ALC-7094-E	Tapered	Original	9	Medium Plus	20 - 28	33 - 50
WW.ALC-7096-E	Tapered	Original	9	Large	25 - 33	36 - 55

\* Available upon advance order, not in regular stock.



WW.ALC-506X-E

WW.ALL-506X-E

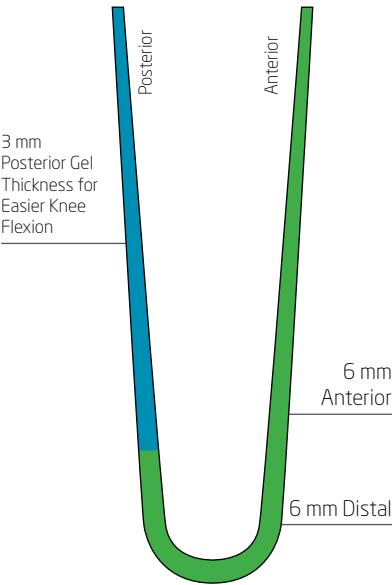
◆ Alpha Original MP Liner

The Alpha Original MP Liner product line combines all of the most popular sizes of the Alpha Original Liner product line. It consists of hypo-allergenic, skin-friendly gel.

The Alpha Original MP Liner’s fabric cover is durable and allows for very easy donning and doffing of the prosthetic socket.

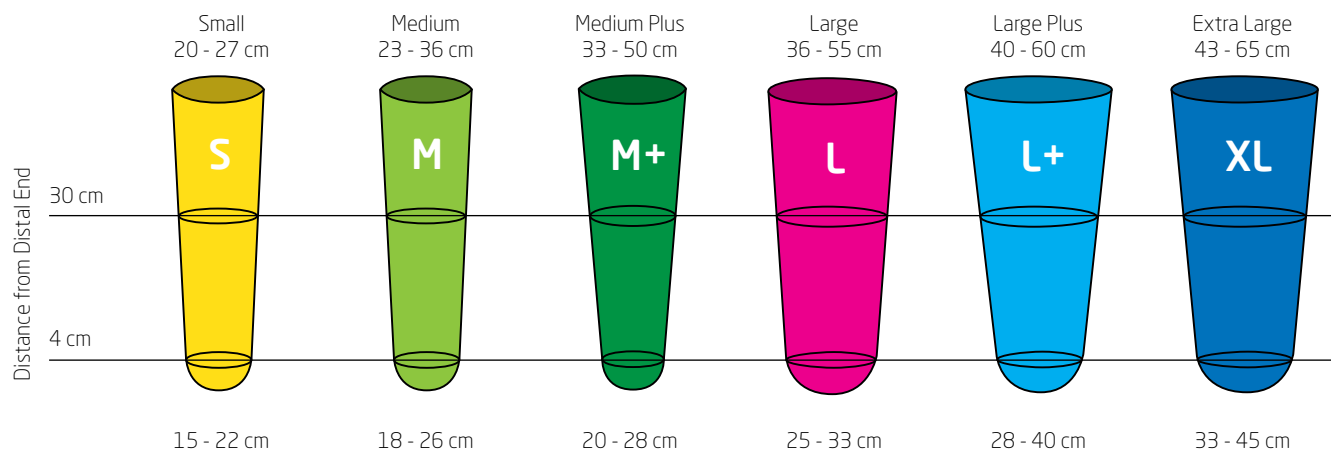
Material	Classic Gel
Fabric Type	Original*
Color	Green/Gray
Suspension Style	Available in locking and cushion style
Profile/Umbrella	Uniform/Standard 
Compatibility	See overview on page 10
Total Length	46 cm (+/- 1.5 cm)

Uniform Profile



\*Fine but robust nylon textile. Supports the elasticity of Classic Gel.

## Sizing Guide: Alpha Original MP Liner



## Size Chart: Alpha Original MP Liner, Uniform Profile, Locking

REF Locking Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.ALL-5063-E	Uniform	Original	6	Small	15 - 22	20 - 27
WW.ALL-5060-E	Uniform	Original	6	Medium	18 - 26	23 - 36
WW.ALL-5064-E	Uniform	Original	6	Medium Plus	20 - 28	33 - 50
WW.ALL-5066-E	Uniform	Original	6	Large	25 - 33	36 - 55
WW.ALL-5068-E	Uniform	Original	6	Large Plus	28 - 40	40 - 60
WW.ALL-5067-E	Uniform	Original	6	Extra Large	33 - 45	43 - 65

## Size Chart: Alpha Original MP Liner, Uniform Profile, Cushion

REF Cushion Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.ALC-5063-E	Uniform	Original	6	Small	15 - 22	20 - 27
WW.ALC-5060-E	Uniform	Original	6	Medium	18 - 26	23 - 36
WW.ALC-5064-E	Uniform	Original	6	Medium Plus	20 - 28	33 - 50
WW.ALC-5066-E	Uniform	Original	6	Large	25 - 33	36 - 55
WW.ALC-5068-E	Uniform	Original	6	Large Plus	28 - 40	40 - 60
WW.ALC-5067-E	Uniform	Original	6	Extra Large	33 - 45	43 - 65



WW.ALC-54XX-E

WW.ALL-54XX-E

<b>Material</b>	Classic Gel
<b>Fabric Type</b>	Spirit*
<b>Color</b>	Buff
<b>Suspension Style</b>	Available in locking and cushion style
<b>Profile/Umbrella</b>	Uniform/Standard 
<b>Compatibility</b>	See overview on page 10
<b>Total Length</b>	46 cm (+/- 1.5 cm)

## ◆ Alpha Spirit Liner

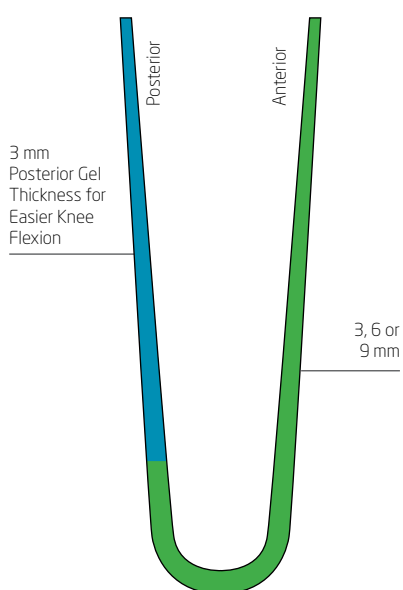
Alpha Spirit Liners consist of Classic Gel, which is hypoallergenic and skin-friendly. The Spirit Fabric Cover is exceptionally flexible and allows for easy donning and doffing.

Alpha Spirit Liners are available with three different gel thicknesses, and in six different sizes. The 6-mm gel liners and the 9-mm gel liners offer the best cushioning effect. Using the 3-mm gel liners is especially recommendable if a volume decrease of at least 3 mm is expected. In case of any further volume decreases it is then possible to switch to a thicker liner.

## 👍 Practical Tip:

- 6 mm Liner: Perfectly combines good cushioning and good control over the prosthesis.
- 3 mm Liner: Maximum control. Recommended also if a volume decrease is expected, it is then possible to switch to a 6-mm liner.
- 9 mm Liner: Maximum cushioning.

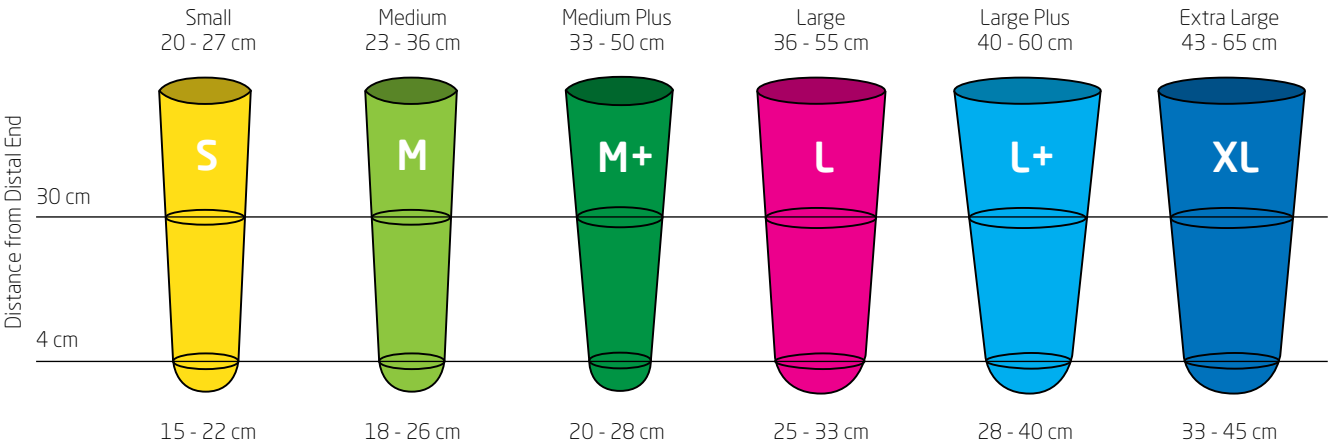
## Uniform Profile



Ordering Guidelines: Alpha Spirit Liner

	WW.ALC-5466-E	Ordering Example for Alpha Spirit Liner
Model	ALC	ALC = Alpha Cushion Liner ALL = Alpha Locking Liner
Profile	5	5 = Uniform
Fabric Type	4	4 = Spirit Fabric Cover: Buff
Gel Thickness	6	3 = 3 mm 6 = 6 mm 9 = 9 mm
Size	6	3 = Small 0 = Medium 1 = Medium with Small Umbrella (Upon Advance Order, not in Regular Stock) 4 = Medium Plus 5 = Medium Plus with Small Umbrella (Upon Advance Order, not in Regular Stock) 6 = Large 8 = Large Plus 7 = Extra Large

Sizing Guide: Alpha Spirit Liner



## Size Chart: Alpha Spirit Liner, Uniform Profile, Locking

REF Locking Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.ALL-5433-E	Uniform	Spirit	3	Small	15 - 22	20 - 27
WW.ALL-5430-E	Uniform	Spirit	3	Medium	18 - 26	23 - 36
WW.ALL-5434-E	Uniform	Spirit	3	Medium Plus	20 - 28	33 - 50
WW.ALL-5436-E	Uniform	Spirit	3	Large	25 - 33	36 - 55
WW.ALL-5438-E	Uniform	Spirit	3	Large Plus	28 - 40	40 - 60
WW.ALL-5437-E	Uniform	Spirit	3	Extra Large	33 - 45	43 - 65
WW.ALL-5463-E	Uniform	Spirit	6	Small	15 - 22	20 - 27
WW.ALL-5460-E	Uniform	Spirit	6	Medium	18 - 26	23 - 36
WW.ALL-5464-E	Uniform	Spirit	6	Medium Plus	20 - 28	33 - 50
WW.ALL-5466-E	Uniform	Spirit	6	Large	25 - 33	36 - 55
WW.ALL-5468-E	Uniform	Spirit	6	Large Plus	28 - 40	40 - 60
WW.ALL-5467-E	Uniform	Spirit	6	Extra Large	33 - 45	43 - 65
WW.ALL-5493-E	Uniform	Spirit	9	Small	15 - 22	20 - 27
WW.ALL-5490-E	Uniform	Spirit	9	Medium	18 - 26	23 - 36
WW.ALL-5494-E	Uniform	Spirit	9	Medium Plus	20 - 28	33 - 50
WW.ALL-5496-E	Uniform	Spirit	9	Large	25 - 33	36 - 55
WW.ALL-5498-E	Uniform	Spirit	9	Large Plus	28 - 40	40 - 60
WW.ALL-5497-E	Uniform	Spirit	9	Extra Large	33 - 45	43 - 65

## Size Chart: Alpha Spirit Liner, Uniform Profile, Locking with Small Umbrella\*

REF Locking Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.ALL-5431-E	Uniform	Spirit	3	Medium	18 - 26	23 - 36
WW.ALL-5435-E	Uniform	Spirit	3	Medium Plus	20 - 28	33 - 50
WW.ALL-5461-E	Uniform	Spirit	6	Medium	18 - 26	23 - 36
WW.ALL-5465-E	Uniform	Spirit	6	Medium Plus	20 - 28	33 - 50
WW.ALL-5491-E	Uniform	Spirit	9	Medium	18 - 26	23 - 36
WW.ALL-5495-E	Uniform	Spirit	9	Medium Plus	20 - 28	33 - 50

## Size Chart: Alpha Spirit Liner, Uniform Profile, Cushion

REF Cushion Liner	Profile	Fabric Type	Gel Thick- ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.ALC-5433-E	Uniform	Spirit	3	Small	15 - 22	20 - 27
WW.ALC-5430-E	Uniform	Spirit	3	Medium	18 - 26	23 - 36
WW.ALC-5434-E	Uniform	Spirit	3	Medium Plus	20 - 28	33 - 50
WW.ALC-5436-E	Uniform	Spirit	3	Large	25 - 33	36 - 55
WW.ALC-5438-E	Uniform	Spirit	3	Large Plus	28 - 40	40 - 60
WW.ALC-5437-E	Uniform	Spirit	3	Extra Large	33 - 45	43 - 65
WW.ALC-5463-E	Uniform	Spirit	6	Small	15 - 22	20 - 27
WW.ALC-5460-E	Uniform	Spirit	6	Medium	18 - 26	23 - 36
WW.ALC-5464-E	Uniform	Spirit	6	Medium Plus	20 - 28	33 - 50
WW.ALC-5466-E	Uniform	Spirit	6	Large	25 - 33	36 - 55
WW.ALC-5468-E	Uniform	Spirit	6	Large Plus	28 - 40	40 - 60
WW.ALC-5467-E	Uniform	Spirit	6	Extra Large	33 - 45	43 - 65
WW.ALC-5493-E	Uniform	Spirit	9	Small	15 - 22	20 - 27
WW.ALC-5490-E	Uniform	Spirit	9	Medium	18 - 26	23 - 36
WW.ALC-5494-E	Uniform	Spirit	9	Medium Plus	20 - 28	33 - 50
WW.ALC-5496-E	Uniform	Spirit	9	Large	25 - 33	36 - 55
WW.ALC-5498-E	Uniform	Spirit	9	Large Plus	28 - 40	40 - 60
WW.ALC-5497-E	Uniform	Spirit	9	Extra Large	33 - 45	43 - 65



## ◆ Alpha MAX Liner

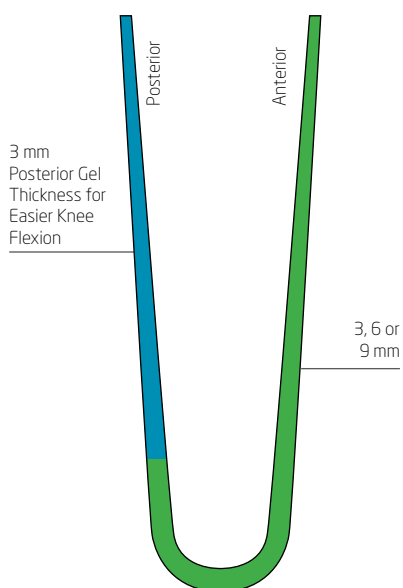
Alpha MAX Liners feature a fabric cover which is particularly suitable for use with suction suspension systems. The texture of the MAX Fabric allows for any excessive air to evenly discharge on the distal end.

Alpha Max Liners are available in three gel thicknesses and in six different sizes.

The 6-mm gel liners and the 9-mm gel liners offer the best cushioning effect. Using the 3-mm gel liner is especially recommendable if a volume decrease of at least 3 mm is expected. In case of any further volume decreases it is then possible to switch to a thicker liner.

<b>Material</b>	Classic Gel
<b>Fabric Type</b>	MAX*
<b>Color</b>	Buff
<b>Suspension Style</b>	Available in locking and cushion style
<b>Profile/Umbrella</b>	Uniform/Standard 
<b>Compatibility</b>	See overview on page 10
<b>Total Length</b>	46 cm (+/- 1.5 cm)

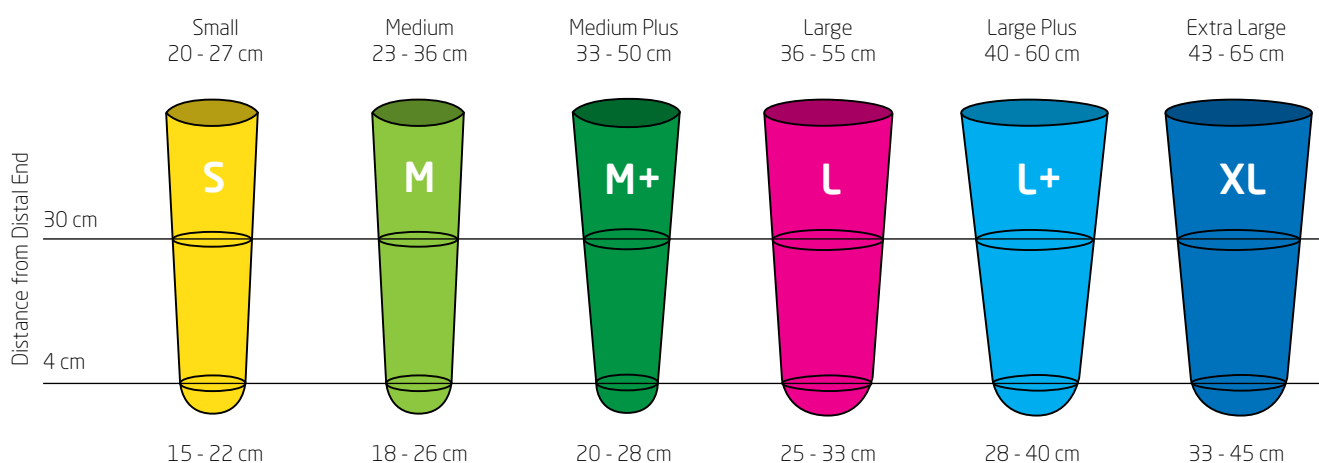
## Uniform Profile



## Ordering Guidelines: Alpha MAX Liner

	WW.ALC-5866-X	Ordering Example for Alpha MAX Liner
<b>Model</b>	ALC	ALC = Alpha Cushion Liner ALL = Alpha Locking Liner
<b>Profile</b>	5	5 = Uniform
<b>Fabric Type</b>	8	8 = MAX Fabric Cover: Buff
<b>Gel Thickness</b>	6	3 = 3 mm 6 = 6 mm 9 = 9 mm
<b>Size</b>	6	3 = Small 0 = Medium 1 = Medium MAX with Small Umbrella (Upon Advance Order, not in Regular Stock) 4 = Medium Plus 5 = Medium Plus MAX with Small Umbrella (Upon Advance Order, not in Regular Stock) 6 = Large 8 = Large Plus 7 = Extra Large

## Sizing Guide: Alpha MAX Liner



### Size Chart: Alpha MAX Liner, Uniform Profile, Locking

REF Locking Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.ALL-5833-X	Uniform	MAX	3	Small	15 - 22	20 - 27
WW.ALL-5830-X	Uniform	MAX	3	Medium	18 - 26	23 - 36
WW.ALL-5834-X	Uniform	MAX	3	Medium Plus	20 - 28	33 - 50
WW.ALL-5836-X	Uniform	MAX	3	Large	25 - 33	36 - 55
WW.ALL-5838-X	Uniform	MAX	3	Large Plus	28 - 40	40 - 60
WW.ALL-5837-X	Uniform	MAX	3	Extra Large	33 - 45	43 - 65
WW.ALL-5863-X	Uniform	MAX	6	Small	15 - 22	20 - 27
WW.ALL-5860-X	Uniform	MAX	6	Medium	18 - 26	23 - 36
WW.ALL-5864-X	Uniform	MAX	6	Medium Plus	20 - 28	33 - 50
WW.ALL-5866-X	Uniform	MAX	6	Large	25 - 33	36 - 55
WW.ALL-5868-X	Uniform	MAX	6	Large Plus	28 - 40	40 - 60
WW.ALL-5867-X	Uniform	MAX	6	Extra Large	33 - 45	43 - 65
WW.ALL-5893-X	Uniform	MAX	9	Small	15 - 22	20 - 27
WW.ALL-5890-X	Uniform	MAX	9	Medium	18 - 26	23 - 36
WW.ALL-5894-X	Uniform	MAX	9	Medium Plus	20 - 28	33 - 50
WW.ALL-5896-X	Uniform	MAX	9	Large	25 - 33	36 - 55
WW.ALL-5898-X	Uniform	MAX	9	Large Plus	28 - 40	40 - 60
WW.ALL-5897-X	Uniform	MAX	9	Extra Large	33 - 45	43 - 65

### Size Chart: Alpha MAX Liner, Uniform Profile, Locking with Small Umbrella\*



REF Locking Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.ALL-5831-X	Uniform	MAX	3	Medium	18 - 26	23 - 36
WW.ALL-5835-X	Uniform	MAX	3	Medium Plus	20 - 28	33 - 50
WW.ALL-5861-X	Uniform	MAX	6	Medium	18 - 26	23 - 36
WW.ALL-5865-X	Uniform	MAX	6	Medium Plus	20 - 28	33 - 50
WW.ALL-5891-X	Uniform	MAX	9	Medium	18 - 26	23 - 36
WW.ALL-5895-X	Uniform	MAX	9	Medium Plus	20 - 28	33 - 50

## Size Chart: Alpha MAX Liner, Uniform Profile, Cushion

REF Cushion Liner	Profile	Fabric Type	Gel Thick- ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.ALC-5833-X	Uniform	MAX	3	Small	15 - 22	20 - 27
WW.ALC-5830-X	Uniform	MAX	3	Medium	18 - 26	23 - 36
WW.ALC-5834-X	Uniform	MAX	3	Medium Plus	20 - 28	33 - 50
WW.ALC-5836-X	Uniform	MAX	3	Large	25 - 33	36 - 55
WW.ALC-5838-X	Uniform	MAX	3	Large Plus	28 - 40	40 - 60
WW.ALC-5837-X	Uniform	MAX	3	Extra Large	33 - 45	43 - 65
WW.ALC-5863-X	Uniform	MAX	6	Small	15 - 22	20 - 27
WW.ALC-5860-X	Uniform	MAX	6	Medium	18 - 26	23 - 36
WW.ALC-5864-X	Uniform	MAX	6	Medium Plus	20 - 28	33 - 50
WW.ALC-5866-X	Uniform	MAX	6	Large	25 - 33	36 - 55
WW.ALC-5868-X	Uniform	MAX	6	Large Plus	28 - 40	40 - 60
WW.ALC-5867-X	Uniform	MAX	6	Extra Large	33 - 45	43 - 65
WW.ALC-5893-X	Uniform	MAX	9	Small	15 - 22	20 - 27
WW.ALC-5890-X	Uniform	MAX	9	Medium	18 - 26	23 - 36
WW.ALC-5894-X	Uniform	MAX	9	Medium Plus	20 - 28	33 - 50
WW.ALC-5896-X	Uniform	MAX	9	Large	25 - 33	36 - 55
WW.ALC-5898-X	Uniform	MAX	9	Large Plus	28 - 40	40 - 60
WW.ALC-5897-X	Uniform	MAX	9	Extra Large	33 - 45	43 - 65



WW.P35X-XXXX

Material	TPE Gel with PCM
Fabric Type	Select*
Color	Taupe/White
Suspension Style	Available in locking and cushion style
Profile/Umbrella	Uniform/Standard 
Profile/Umbrella	Progressive/Accordion 
Compatibility	See overview on page 10
Total Length	53 cm (+/- 1,5 cm)

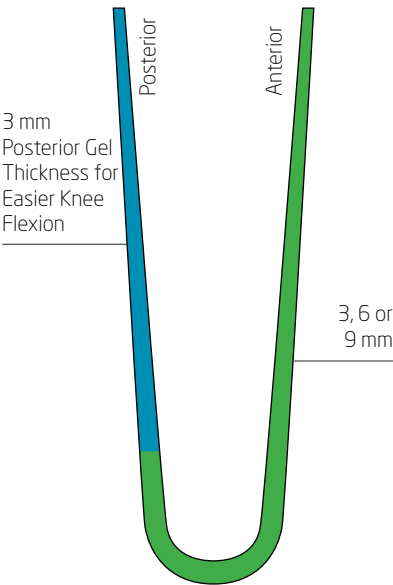
◆ Alpha SmartTemp® TPE Gel BK Liner

Alpha SmartTemp TPE Gel BK Liners combine the exceptional wearing properties of the new Alpha TPE Gel with temperature regulating material. SmartTemp TPE Gel Liners absorb temperature changes of the limb and thus help regulating the user's overall body temperature. The liners' shore hardness lies between that of Classic Gel and Hybrid Gel. Once the temperature on the limb rises above comfort level, heat gets absorbed, is stored, and gets released once the temperature drops below comfort level.

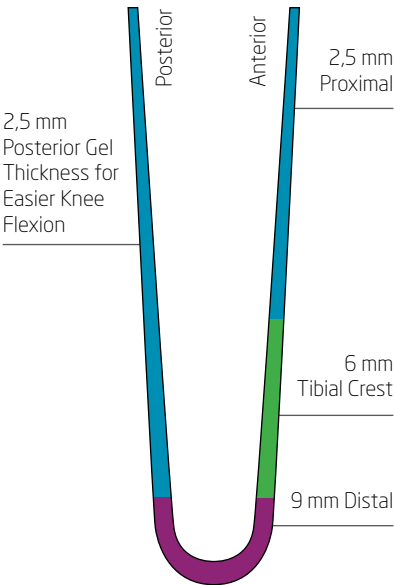
This way, perspiration in the liner gets reduced significantly.

The BK version of the liner features a Select Fabric cover. The integrated knee panel noticeably reduces pressure on the patella and makes knee flexion easier. Alpha SmartTemp TPE Gel BK Liners are available with the Uniform and the Progressive Profile, both in locking and cushion style.

Uniform Profile

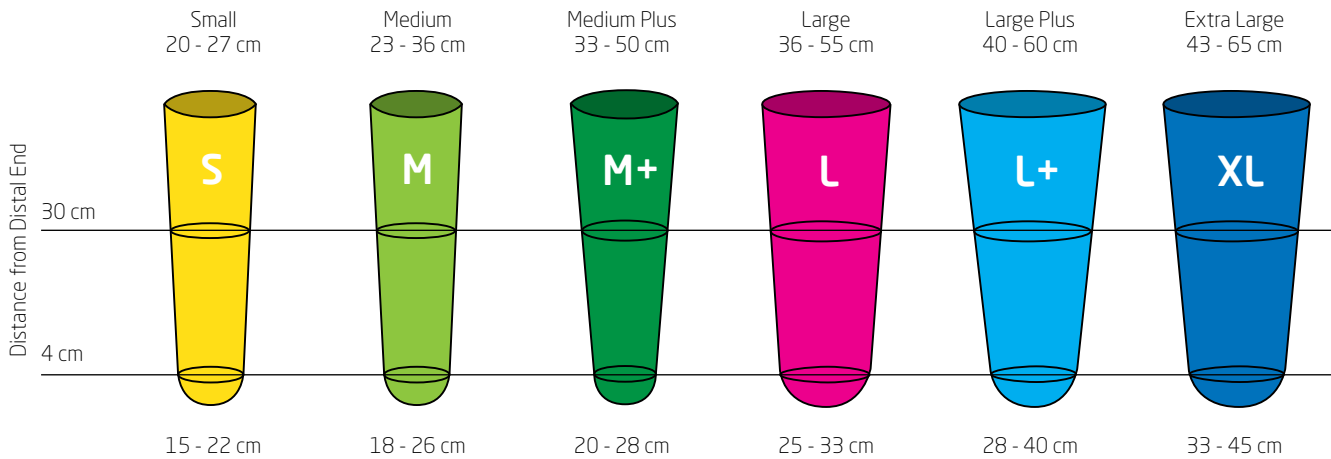


Progressive Profile

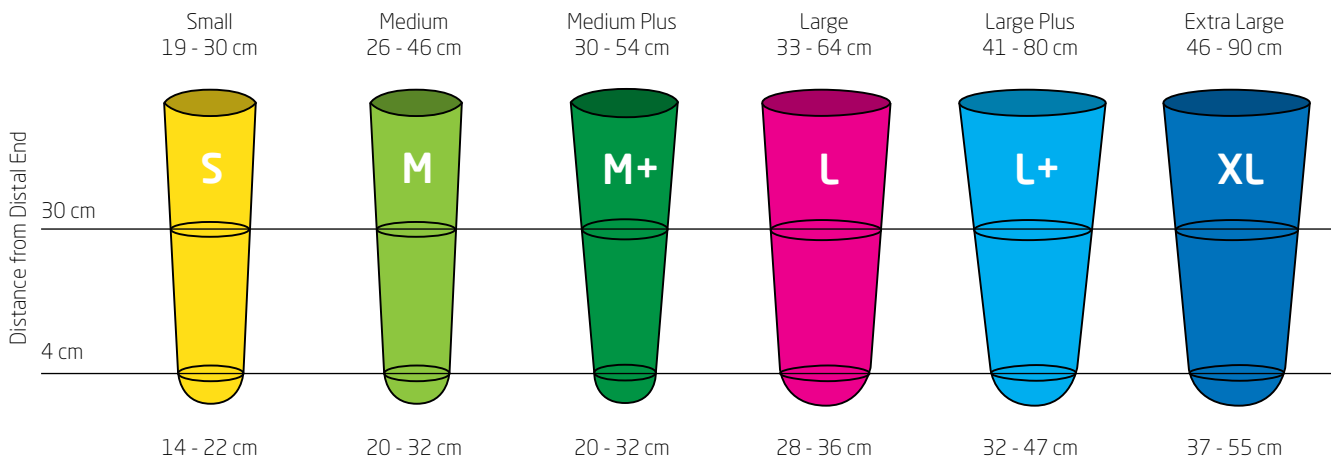


\*Select: Functional textile, almost zero elongation, perfectly suitable for suction systems.

### Sizing Guide: Alpha SmartTemp® TPE Gel BK Liner, Uniform



### Sizing Guide: Alpha SmartTemp® TPE Gel BK Liner, Progressive



## Size Chart: Alpha SmartTemp® TPE Gel Liner, Uniform Profile, Locking

REF Locking Liner	Profile	Fabric Type	Gel Thick- ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.P351-5363	Uniform	Select	6	Small	15 - 22	20 - 27
WW.P351-5360	Uniform	Select	6	Medium	18 - 26	23 - 36
WW.P351-5364	Uniform	Select	6	Medium Plus	20 - 28	33 - 50
WW.P351-5366	Uniform	Select	6	Large	25 - 33	36 - 55
WW.P351-5368	Uniform	Select	6	Large Plus	28 - 40	40 - 60
WW.P351-5367	Uniform	Select	6	Extra Large	33 - 45	43 - 65

## Size Chart: Alpha SmartTemp® TPE Gel Liner, Uniform Profile, Cushion

REF Cushion Liner	Profile	Fabric Type	Gel Thick- ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.P350-5363	Uniform	Select	6	Small	15 - 22	20 - 27
WW.P350-5360	Uniform	Select	6	Medium	18 - 26	23 - 36
WW.P350-5364	Uniform	Select	6	Medium Plus	20 - 28	33 - 50
WW.P350-5366	Uniform	Select	6	Large	25 - 33	36 - 55
WW.P350-5368	Uniform	Select	6	Large Plus	28 - 40	40 - 60
WW.P350-5367	Uniform	Select	6	Extra Large	33 - 45	43 - 65

### Size Chart: Alpha SmartTemp® TPE Gel Liner, Progressive Profile, Locking

REF Locking Liner	Profile	Fabric Type	Gel Thick- ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
<b>WW.P352-6593</b>	Progressive	Select	9 - 2.5	Small	14 - 22	19 - 30
<b>WW.P352-6590</b>	Progressive	Select	9 - 2.5	Medium	20 - 32	26 - 46
<b>WW.P352-6594</b>	Progressive	Select	9 - 2.5	Medium Plus	20 - 32	30 - 54
<b>WW.P352-6596</b>	Progressive	Select	9 - 2.5	Large	28 - 36	33 - 64
<b>WW.P352-6598</b>	Progressive	Select	9 - 2.5	Large Plus	32 - 47	41 - 80
<b>WW.P352-6597</b>	Progressive	Select	9 - 2.5	Extra Large	37 - 55	46 - 90


### Size Chart: Alpha SmartTemp® TPE Gel Liner, Progressive Profile, Cushion

REF Cushion Liner	Profile	Fabric Type	Gel Thick- ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
<b>WW.P350-6593</b>	Progressive	Select	9 - 2.5	Small	14 - 22	19 - 30
<b>WW.P350-6590</b>	Progressive	Select	9 - 2.5	Medium	20 - 32	26 - 46
<b>WW.P350-6594</b>	Progressive	Select	9 - 2.5	Medium Plus	20 - 32	30 - 54
<b>WW.P350-6596</b>	Progressive	Select	9 - 2.5	Large	28 - 36	33 - 64
<b>WW.P350-6598</b>	Progressive	Select	9 - 2.5	Large Plus	32 - 47	41 - 80
<b>WW.P350-6597</b>	Progressive	Select	9 - 2.5	Extra Large	37 - 55	46 - 90



WW.E35X-536X

WW.E00X-516X

<b>Material</b>	Soft Silicone
<b>Fabric Type</b>	Original <sup>1)</sup> , Select <sup>2)</sup>
<b>Color</b>	Buff; Gray/White
<b>Suspension Style</b>	Available in locking and cushion style
<b>Profile/Umbrella</b>	Uniform/Standard 
<b>Compatibility</b>	See overview on page 10
<b>Total Length</b>	46 cm (+/- 1.5 cm)

## ◆ Alpha Express Liner

Extraordinary softness and comfort - these are the characteristic features of the Alpha Express Liner which is made from exceptionally soft silicone. Due to its Uniform Profile it can be used as a replacement for all original Uniform Liners by WillowWood.

It is available with the Original or the Select Fabric Cover.

Thanks to the smooth surface of the Original Fabric Cover the liner allows for very easy donning and doffing of the socket.

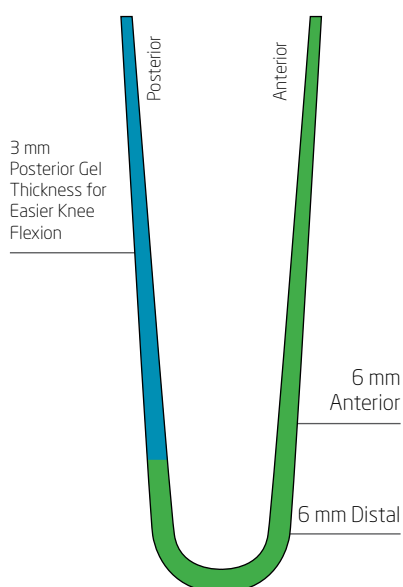
The Select Fabric Cover makes for extraordinary circumferential stretch, yet maintains liner elongation within specified limits.

In addition, a flexible, white, bi-stretch fabric panel was added in the anterior knee-area for a noticeable reduction of pressure on the patella while the user is seated. This is accomplished by decreasing the friction during flexion and extension.

### Practical Tip:

Due to the scheduled product discontinuation of the Express Liner, we recommend to not use the Express Liner for the interim phase, but only for amputees who have used an Express Liner before, in already existing prosthetic sockets.

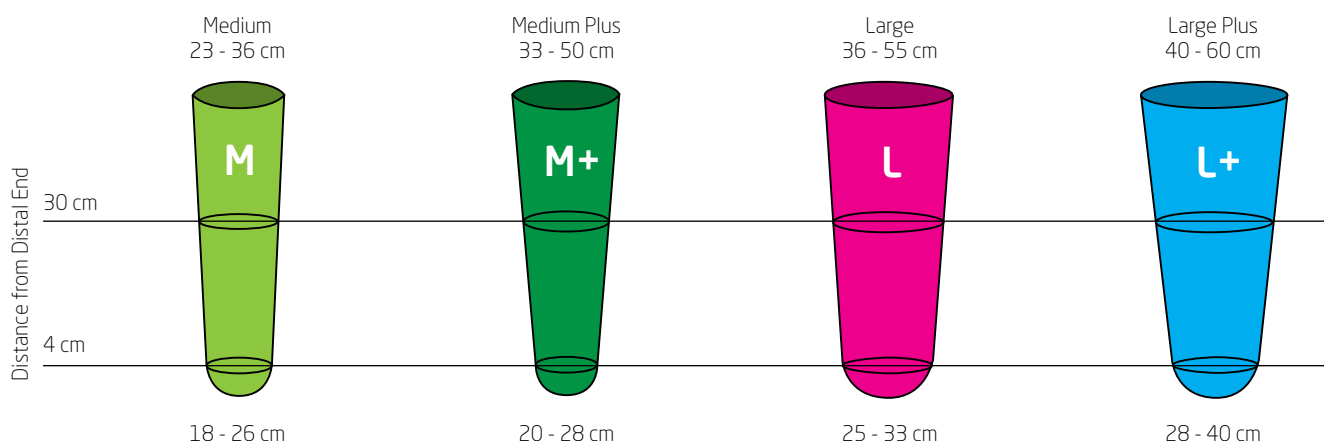
## Uniform Profile



<sup>1)</sup>Original: Fine but robust nylon textile. Supports the elasticity of the liner.

<sup>2)</sup>Select: Functional textile, almost zero elongation, reduces pressure on the patella, perfectly suitable for suction systems.

## Sizing Guide: Alpha Express Liner



## Size Chart: Alpha Express Liner, Uniform Profile, Locking with Original Fabric Cover

REF Locking Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.E001-5160	Uniform	Original	6	Medium	18 - 26	23 - 36
WW.E001-5164	Uniform	Original	6	Medium Plus	20 - 28	33 - 50
WW.E001-5166	Uniform	Original	6	Large	25 - 33	36 - 55
WW.E001-5168	Uniform	Original	6	Large Plus	28 - 40	40 - 60

## Size Chart: Alpha Express Liner, Uniform Profile, Cushion with Original Fabric Cover

REF Cushion Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.E000-5160	Uniform	Original	6	Medium	18 - 26	23 - 36
WW.E000-5164	Uniform	Original	6	Medium Plus	20 - 28	33 - 50
WW.E000-5166	Uniform	Original	6	Large	25 - 33	36 - 55
WW.E000-5168	Uniform	Original	6	Large Plus	28 - 40	40 - 60

## Size Chart: Alpha Express Liner, Uniform Profile, Locking with Select Fabric Cover

REF Locking Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.E351-5360	Uniform	Select	6	Medium	18 - 26	23 - 36
WW.E351-5364	Uniform	Select	6	Medium Plus	20 - 28	33 - 50
WW.E351-5366	Uniform	Select	6	Large	25 - 33	36 - 55
WW.E351-5368	Uniform	Select	6	Large Plus	28 - 40	40 - 60

## Size Chart: Alpha Express Liner, Uniform Profile, Cushion with Select Fabric Cover

REF Cushion Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.E350-5360	Uniform	Select	6	Medium	18 - 26	23 - 36
WW.E350-5364	Uniform	Select	6	Medium Plus	20 - 28	33 - 50
WW.E350-5366	Uniform	Select	6	Large	25 - 33	36 - 55
WW.E350-5368	Uniform	Select	6	Large Plus	28 - 40	40 - 60




WW.S350-6T9X-X WW.S352-6T9X-X

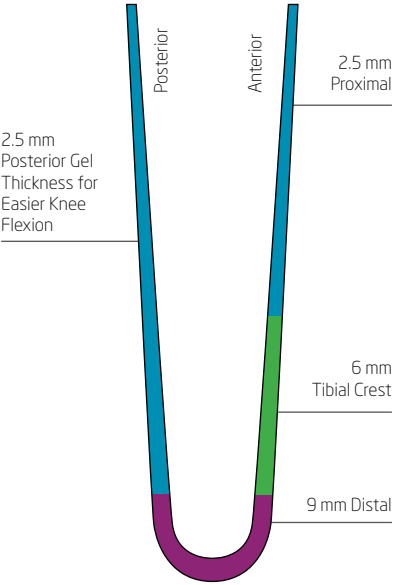
◆ Alpha Start Liner

Alpha Start Liners are perfectly suited for the interim phase. They are very comfortable and skin-friendly, and are compatible with all other Progressive Profile liners from WillowWood. The platinum-cured silicone formula combines a high level of elasticity and ideal cushioning with continuous protection from impact forces.

In addition, a flexible, white, bi-stretch fabric panel was added in the anterior knee-area for a noticeable reduction of pressure on the patella while the user is seated. This is accomplished by decreasing friction during flexion and extension.

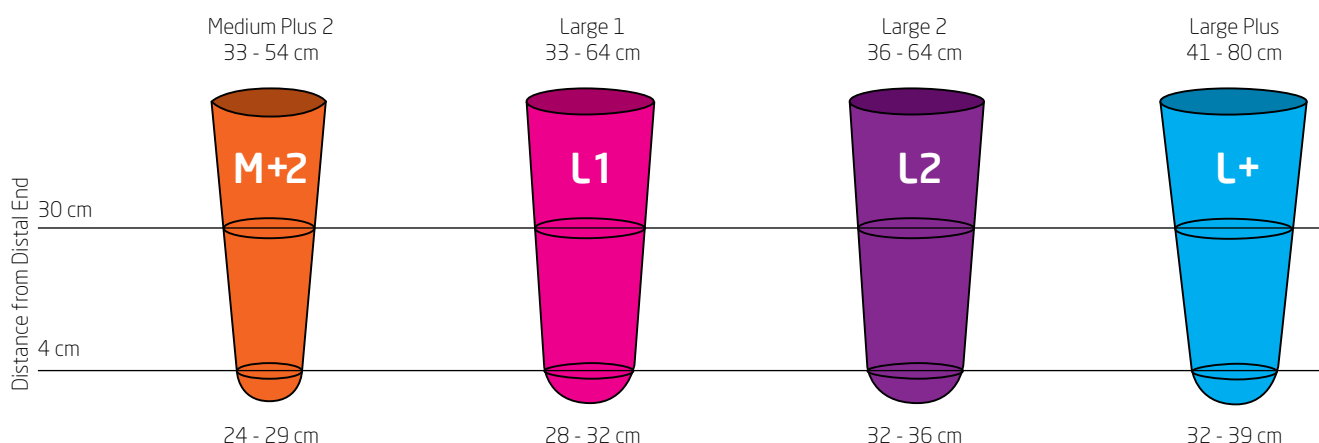
Material	Silicone
Fabric Type	Select*
Color	Orange/White
Suspension Style	Available in locking and cushion style
Profile/Umbrella	Progressive/Accordion 
Compatibility	See overview on page 10
Total Length	53 cm (+/- 1.5 cm)

Progressive Profile



\*Functional textile, almost zero elongation, reduces pressure on the patella, perfectly suitable for suction systems.

## Sizing Guide: Alpha Start Liner



## Size Chart: Alpha Start Liner, Progressive Profile, Locking

REF Locking Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.S352-6T94-2	Progressive	Select	9 - 2.5	Medium Plus 2	24 - 29	33 - 54
WW.S352-6T96-1	Progressive	Select	9 - 2.5	Large 1	28 - 32	33 - 64
WW.S352-6T96-2	Progressive	Select	9 - 2.5	Large 2	32 - 36	36 - 64
WW.S352-6T98-1	Progressive	Select	9 - 2.5	Large Plus	32 - 39	41 - 80

## Size Chart: Alpha Start Liner, Progressive Profile, Cushion

REF Cushion Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.S350-6T94-2	Progressive	Select	9 - 2.5	Medium Plus 2	24 - 29	33 - 54
WW.S350-6T96-1	Progressive	Select	9 - 2.5	Large 1	28 - 32	33 - 64
WW.S350-6T96-2	Progressive	Select	9 - 2.5	Large 2	32 - 36	36 - 64
WW.S350-6T98-1	Progressive	Select	9 - 2.5	Large Plus	32 - 39	41 - 80



Material	Hybrid Gel
Fabric Type	Select*
Color	Gray/White
Suspension Style	Available in locking and cushion style
Profile/Umbrella	Uniform/Standard 
Profile/Umbrella	Progressive/Accordion 
Profile/Umbrella	Progressive Size Small/Standard 
Compatibility	See overview on page 10
Total Length	53 cm (+/- 1.5 cm)

### ◆ Alpha Hybrid® Liner

The gel of the Alpha Hybrid Liners constitutes an innovation in gel liner design. It is characterized by its exceptional durability, while maintaining all the typical features which make gel liners so very comfortable. The liners' Select Fabric Cover offers some functional merits as well. It allows for extraordinary circumferential stretch, yet maintains liner elongation within specified limits.

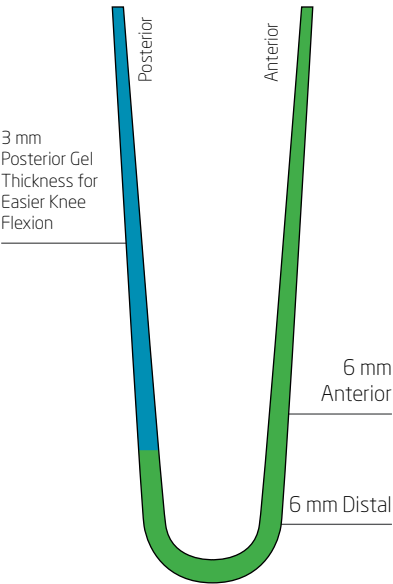
In addition, a flexible, white, bi-stretch fabric panel was added in the anterior knee-area for a noticeable reduction of pressure on the patella while the user is seated. This is accomplished by decreasing friction during flexion and extension.

### 👍 Practical Tip:

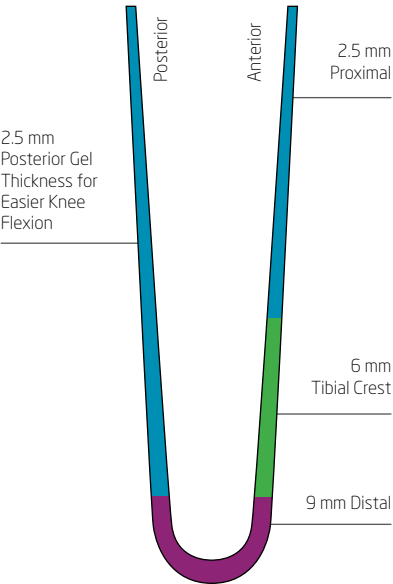
The distance between the distal end of the liner and the white fabric panel is about 9 cm.

If the limb is very short, or if maximum elasticity of the distal area is required, we recommend the low-panel version of the Alpha Hybrid Liner (see p.44).

### Uniform Profile

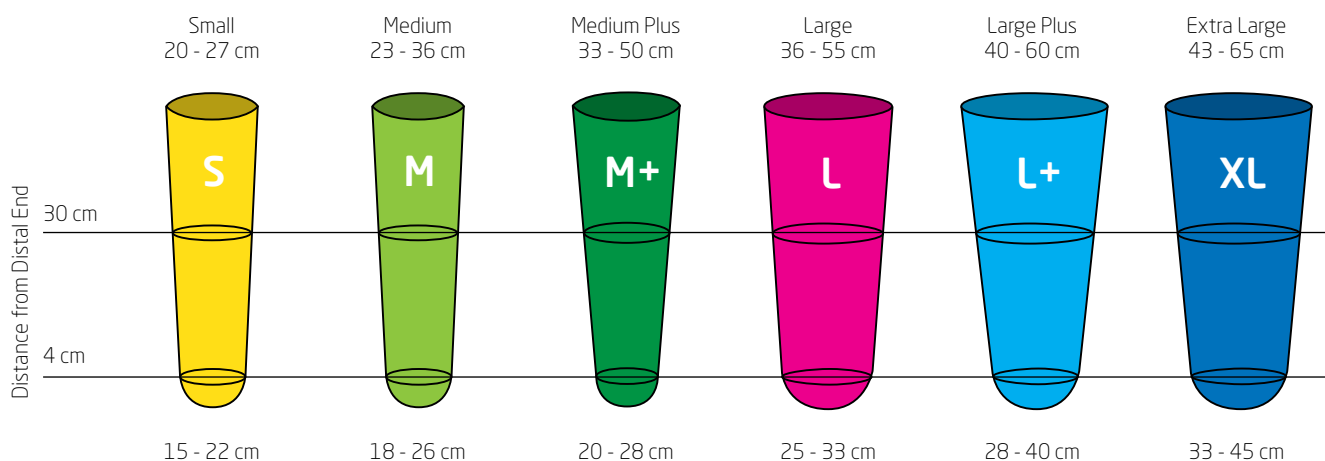


### Progressive Profile

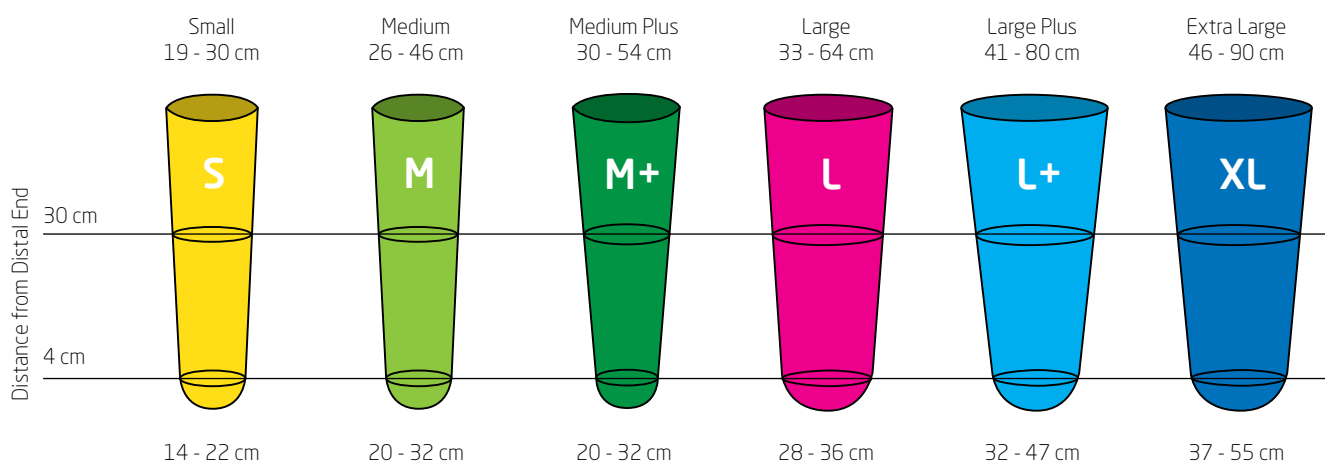


\*Functional textile, almost zero elongation, reduces pressure on the patella, perfectly suitable for suction systems.

### Sizing Guide: Alpha Hybrid® Liner, Uniform



### Sizing Guide: Alpha Hybrid® Liner, Progressive



## Size Chart: Alpha Hybrid® Liner, Uniform Profile, Locking

REF Locking-Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.H351-5363	Uniform	Select	6	Small	15 - 22	20 - 27
WW.H351-5360	Uniform	Select	6	Medium	18 - 26	23 - 36
WW.H351-5364	Uniform	Select	6	Medium Plus	20 - 28	33 - 50
WW.H351-5366	Uniform	Select	6	Large	25 - 33	36 - 55
WW.H351-5368	Uniform	Select	6	Large Plus	28 - 40	40 - 60
WW.H351-5367	Uniform	Select	6	Extra Large	33 - 45	43 - 65

## Size Chart: Alpha Hybrid® Liner, Uniform Profile, Cushion

REF Cushion Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.H350-5363	Uniform	Select	6	Small	15 - 22	20 - 27
WW.H350-5360	Uniform	Select	6	Medium	18 - 26	23 - 36
WW.H350-5364	Uniform	Select	6	Medium Plus	20 - 28	33 - 50
WW.H350-5366	Uniform	Select	6	Large	25 - 33	36 - 55
WW.H350-5368	Uniform	Select	6	Large Plus	28 - 40	40 - 60
WW.H350-5367	Uniform	Select	6	Extra Large	33 - 45	43 - 65

### Size Chart: Alpha Hybrid® Liner, Progressive Profile, Locking

REF Locking-Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.H352-6393	Progressive	Select	9 - 2.5	Small	14 - 22	19 - 30
WW.H352-6390	Progressive	Select	9 - 2.5	Medium	20 - 32	26 - 46
WW.H352-6394	Progressive	Select	9 - 2.5	Medium Plus	20 - 32	30 - 54
WW.H352-6396	Progressive	Select	9 - 2.5	Large	28 - 36	33 - 64
WW.H352-6398	Progressive	Select	9 - 2.5	Large Plus	32 - 47	41 - 80
WW.H352-6397	Progressive	Select	9 - 2.5	Extra Large	37 - 55	46 - 90

### Alpha Hybrid® Liner: Progressive Profile, Cushion

REF Cushion Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.H350-6393	Progressive	Select	9 - 2.5	Small	14 - 22	19 - 30
WW.H350-6390	Progressive	Select	9 - 2.5	Medium	20 - 32	26 - 46
WW.H350-6394	Progressive	Select	9 - 2.5	Medium Plus	20 - 32	30 - 54
WW.H350-6396	Progressive	Select	9 - 2.5	Large	28 - 36	33 - 64
WW.H350-6398	Progressive	Select	9 - 2.5	Large Plus	32 - 47	41 - 80
WW.H350-6397	Progressive	Select	9 - 2.5	Extra Large	37 - 55	46 - 90




WW.H3A0-639X

### ◆ Alpha Hybrid® Liner Low Panel

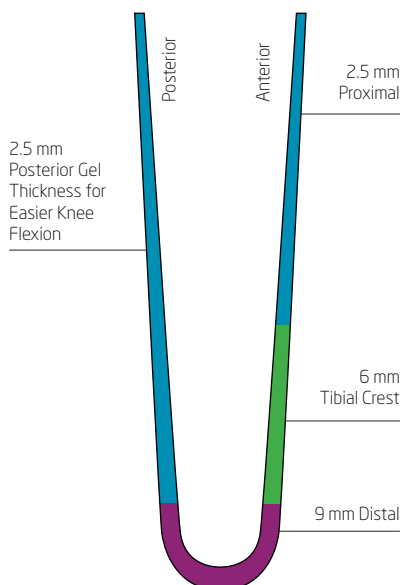
"Low panel" version of the Alpha Hybrid Liner with Progressive Profile.

The Alpha Hybrid Liner is very suitable for users with a shorter residual limb. On this special type of Alpha Hybrid Liners, the panel of white bi-stretch-fabric reaches all the way down to 6 cm above the distal end of the liner (on regular Alpha Hybrid Liners the bi-stretch fabric ends about 9 cm above the distal end).

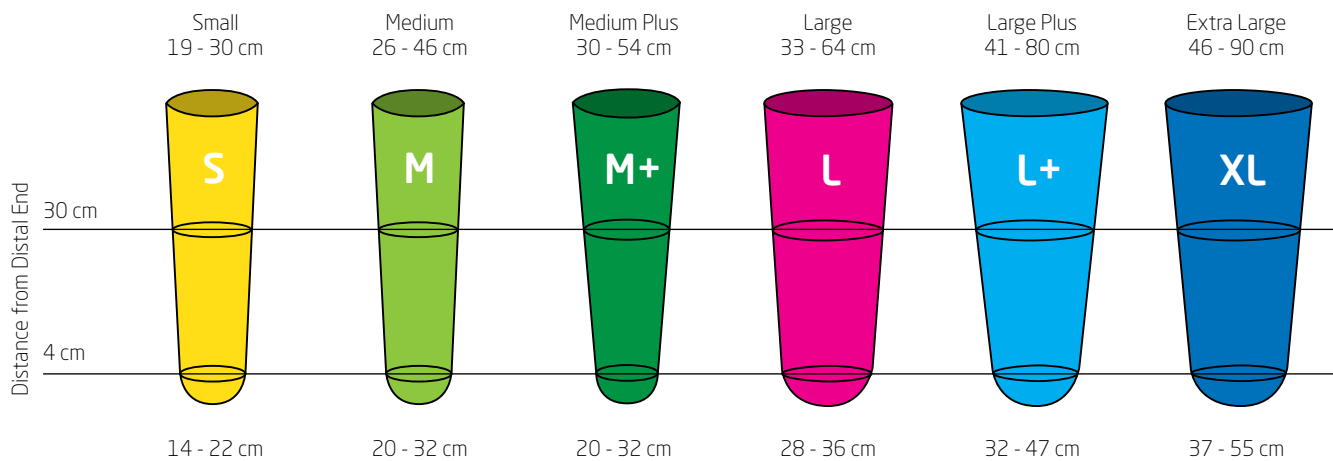
If, due to a short limb, the liner has to be significantly shortened, the elastic textile still allows for optimum pressure reduction on the patella.

<b>Material</b>	Hybrid Gel
<b>Fabric Type</b>	Select*
<b>Color</b>	Gray/White
<b>Suspension Style</b>	Available as cushion liner
<b>Profile</b>	Progressive 
<b>Compatibility</b>	See overview on page 10
<b>Total Length</b>	53 cm (+/- 1.5 cm)

### Progressive Profile



## Sizing Guide: Alpha Hybrid® Liner Low Panel, Progressive Profile




## Size Chart: Alpha Hybrid® Liner Low Panel, Progressive Profile, Cushion

REF Cushion Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.H3A0-6393	Progressive	Select	9 - 2.5	Small	14 - 22	19 - 30
WW.H3A0-6390	Progressive	Select	9 - 2.5	Medium	20 - 32	26 - 46
WW.H3A0-6394	Progressive	Select	9 - 2.5	Medium Plus	20 - 32	30 - 54
WW.H3A0-6396	Progressive	Select	9 - 2.5	Large	28 - 36	33 - 64
WW.H3A0-6398	Progressive	Select	9 - 2.5	Large Plus	32 - 47	41 - 80
WW.H3A0-6397	Progressive	Select	9 - 2.5	Extra Large	37 - 55	46 - 90



WW.S350-659X-X

WW.S352-659X-X

Material	Silicone
Fabric Type	Select*
Color	Taupe/White
Suspension Style	Available in locking and cushion style
Profile/Umbrella	Progressive/Accordion 
Compatibility	See overview on page 10
Total Length	53 cm (+/- 1.5 cm)

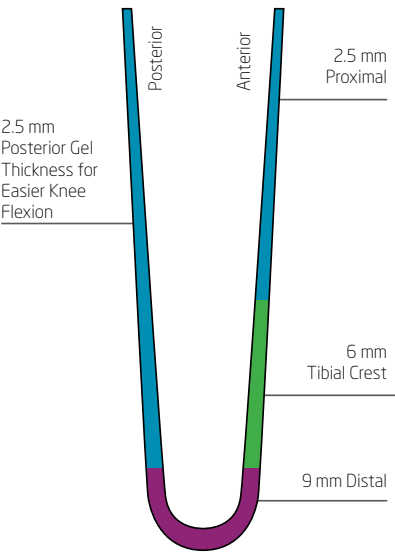
### ◆ Alpha Silicone Liner

Alpha Silicone Liners provide maximum durability and a strong cushioning effect.

They offer the high level of comfort characteristic of all Alpha Liners to those very active users who wish to use a silicone liner. The structure of the platinum-cured silicone formula combines high elasticity and optimum cushioning properties with continuous protection from impact forces.

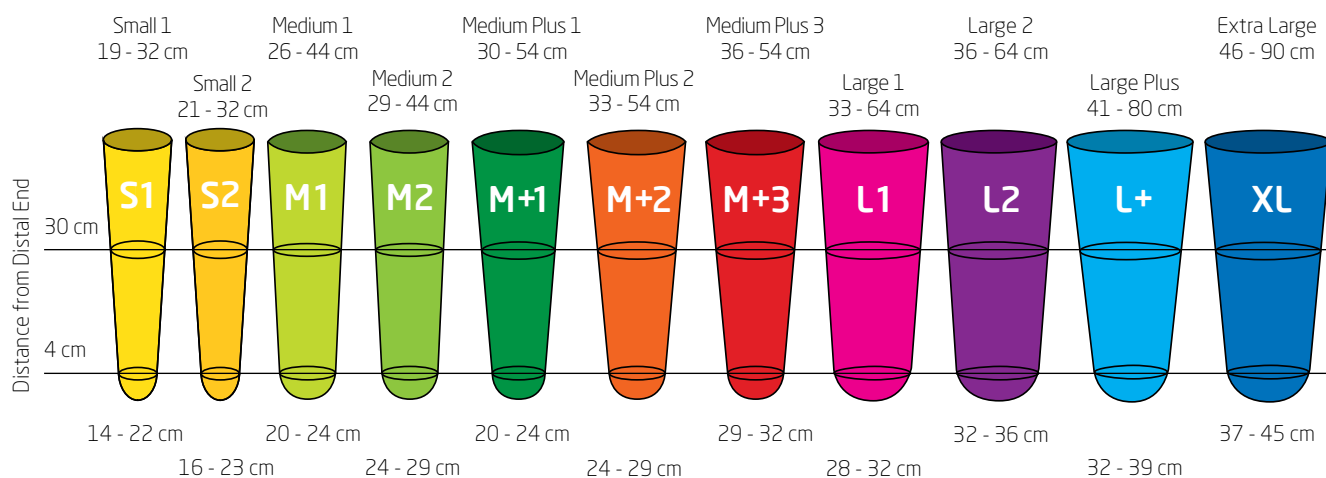
In addition, a flexible, white, bi-stretch fabric panel was added in the anterior knee-area for a noticeable reduction of pressure on the patella while the user is seated. This is accomplished by decreasing friction during flexion and extension.

### Progressive Profile



\*Functional textile, almost zero elongation, reduces pressure on the patella, perfectly suitable for suction systems.

## Sizing Guide: Alpha Silicone Liner



## Size Chart: Alpha Silicone Liner, Progressive Profile, Locking

REF Locking Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.S352-6593-1	Progressive	Select	9 - 2.5	Small 1	14 - 22	19 - 32
WW.S352-6593-2	Progressive	Select	9 - 2.5	Small 2	16 - 23	21 - 32
WW.S352-6590-1	Progressive	Select	9 - 2.5	Medium 1	20 - 24	26 - 44
WW.S352-6590-2	Progressive	Select	9 - 2.5	Medium 2	24 - 29	29 - 44
WW.S352-6594-1	Progressive	Select	9 - 2.5	Medium Plus 1	20 - 24	30 - 54
WW.S352-6594-2	Progressive	Select	9 - 2.5	Medium Plus 2	24 - 29	33 - 54
WW.S352-6594-3	Progressive	Select	9 - 2.5	Medium Plus 3	29 - 32	36 - 54
WW.S352-6596-1	Progressive	Select	9 - 2.5	Large 1	28 - 32	33 - 64
WW.S352-6596-2	Progressive	Select	9 - 2.5	Large 2	32 - 36	36 - 64
WW.S352-6598-1	Progressive	Select	9 - 2.5	Large Plus	32 - 39	41 - 80
WW.S352-6597-1	Progressive	Select	9 - 2.5	Extra Large	37 - 45	46 - 90

## Size Chart: Alpha Silicone Liner, Progressive Profile, Cushion

REF Cushion Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.S350-6593-1	Progressive	Select	9 - 2.5	Small 1	14 - 22	19 - 32
WW.S350-6593-2	Progressive	Select	9 - 2.5	Small 2	16 - 23	21 - 32
WW.S350-6590-1	Progressive	Select	9 - 2.5	Medium 1	20 - 24	26 - 44
WW.S350-6590-2	Progressive	Select	9 - 2.5	Medium 2	24 - 29	29 - 44
WW.S350-6594-1	Progressive	Select	9 - 2.5	Medium Plus 1	20 - 24	30 - 54
WW.S350-6594-2	Progressive	Select	9 - 2.5	Medium Plus 2	24 - 29	33 - 54
WW.S350-6594-3	Progressive	Select	9 - 2.5	Medium Plus 3	29 - 32	36 - 54
WW.S350-6596-1	Progressive	Select	9 - 2.5	Large 1	28 - 32	33 - 64
WW.S350-6596-2	Progressive	Select	9 - 2.5	Large 2	32 - 36	36 - 64
WW.S350-6598-1	Progressive	Select	9 - 2.5	Large Plus	32 - 39	41 - 80
WW.S350-6597-1	Progressive	Select	9 - 2.5	Extra Large	37 - 45	46 - 90



WW.T350-XXXX

WW.T35X-XXXX

<b>Material</b>	Silicone® with Outlast®
<b>Fabric Type</b>	Select*
<b>Color</b>	Taupe/White
<b>Suspension Style</b>	Available in locking and cushion style
<b>Profile/Umbrella</b>	Uniform/Standard 
<b>Profile/Umbrella</b>	Progressive/Accordion 
<b>Compatibility</b>	See overview on page 10
<b>Total Length</b>	53 cm (+/- 1.5 cm)

## ◆ Alpha SmartTemp® Liner

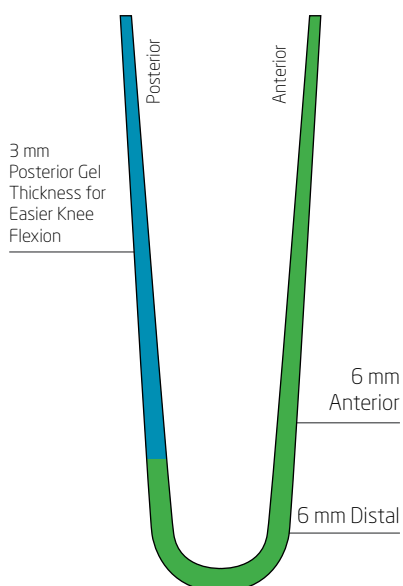
The Alpha SmartTemp AK Liner represents an innovation in liner development. Since a special, temperature regulating material based on Outlast Technology has been added, the liner regulates heat and compensates for fluctuations in the user's skin temperature.

The liner absorbs heat before the temperature rises above the comfort zone, and releases it again before the temperature drops too low. The limb is also protected from becoming too cold, since previously stored heat is released to the surface to create a comfortable skin temperature.

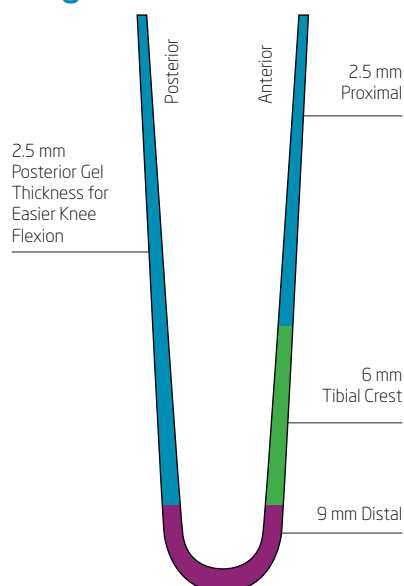
The unique SmartTemp Liner provides a significant increase in wearing comfort for many situations of everyday life.

In addition, a flexible, white, bi-stretch fabric panel was added in the anterior knee-area for a noticeable reduction of pressure on the patella while the user is seated. This is accomplished by decreasing friction during flexion and extension.

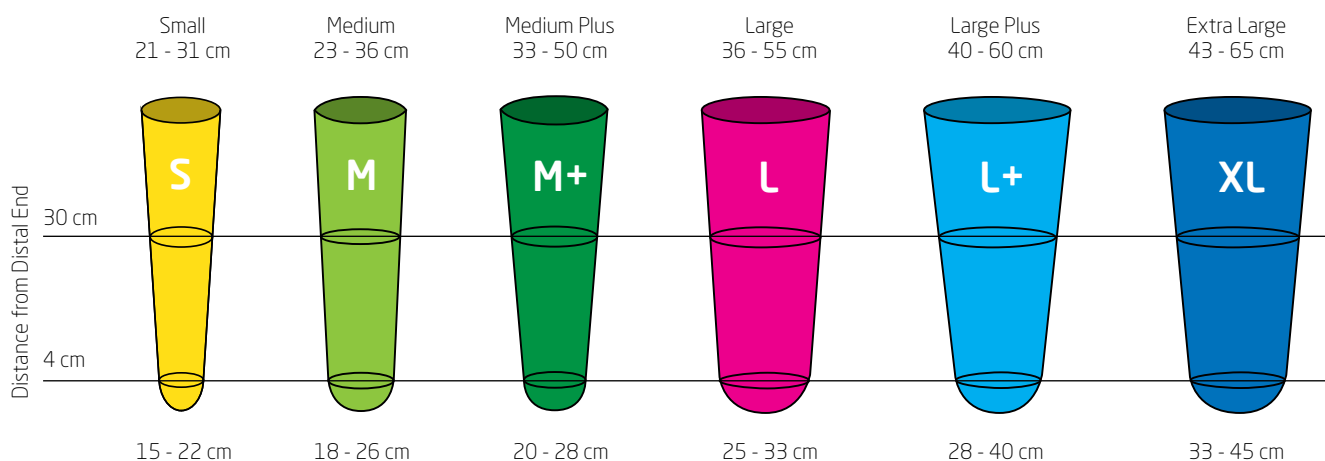
### Uniform Profile



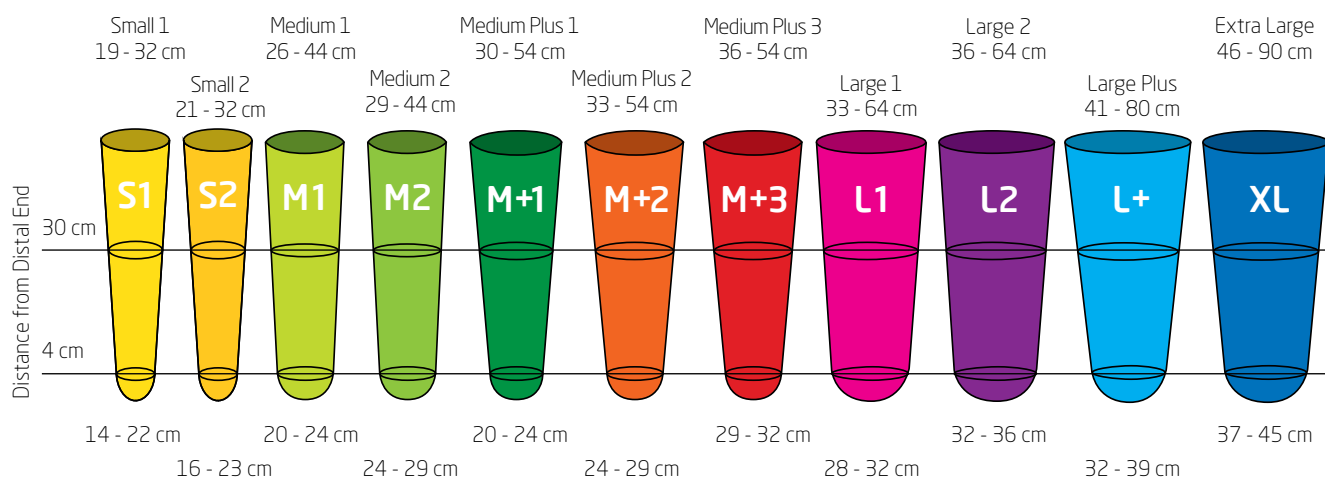
### Progressive Profile



### Sizing Guide: Alpha SmartTemp® Liner, Uniform Profile



### Sizing Guide: Alpha SmartTemp® Liner, Progressive Profile



### Size Chart: Alpha SmartTemp® Liner, Uniform Profile, Locking

REF Locking Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.T351-5363	Uniform	Select	6	Small	15 - 22	21 - 31
WW.T351-5360	Uniform	Select	6	Medium	18 - 26	23 - 36
WW.T351-5364	Uniform	Select	6	Medium Plus	20 - 28	33 - 50
WW.T351-5366	Uniform	Select	6	Large	25 - 33	36 - 55
WW.T351-5368	Uniform	Select	6	Large Plus	28 - 40	40 - 60
WW.T351-5367	Uniform	Select	6	Extra Large	33 - 45	43 - 65

### Size Chart: Alpha SmartTemp® Liner, Uniform Profile, Cushion

REF Cushion Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.T350-5363	Uniform	Select	6	Small	15 - 22	21 - 31
WW.T350-5360	Uniform	Select	6	Medium	18 - 26	23 - 36
WW.T350-5364	Uniform	Select	6	Medium Plus	20 - 28	33 - 50
WW.T350-5366	Uniform	Select	6	Large	25 - 33	36 - 55
WW.T350-5368	Uniform	Select	6	Large Plus	28 - 40	40 - 60
WW.T350-5367	Uniform	Select	6	Extra Large	33 - 45	43 - 65

### Size Chart: Alpha SmartTemp® Liner, Progressive Profile, Locking

REF Locking Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.T352-6593-1	Progressive	Select	9 - 2.5	Small 1	14 - 22	19 - 32
WW.T352-6593-2	Progressive	Select	9 - 2.5	Small 2	16 - 23	21 - 32
WW.T352-6590-1	Progressive	Select	9 - 2.5	Medium 1	20 - 24	26 - 44
WW.T352-6590-2	Progressive	Select	9 - 2.5	Medium 2	24 - 29	29 - 44
WW.T352-6594-1	Progressive	Select	9 - 2.5	Medium Plus 1	20 - 24	30 - 54
WW.T352-6594-2	Progressive	Select	9 - 2.5	Medium Plus 2	24 - 29	33 - 54
WW.T352-6594-3	Progressive	Select	9 - 2.5	Medium Plus 3	29 - 32	36 - 54
WW.T352-6596-1	Progressive	Select	9 - 2.5	Large 1	28 - 32	33 - 64
WW.T352-6596-2	Progressive	Select	9 - 2.5	Large 2	32 - 36	36 - 64
WW.T352-6598-1	Progressive	Select	9 - 2.5	Large Plus	32 - 39	41 - 80
WW.T352-6597-1	Progressive	Select	9 - 2.5	Extra Large	37 - 45	46 - 90

### Size Chart: Alpha SmartTemp® Liner, Progressive Profile, Cushion

REF Cushion Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.T350-6593-1	Progressive	Select	9 - 2.5	Small 1	14 - 22	19 - 32
WW.T350-6593-2	Progressive	Select	9 - 2.5	Small 2	16 - 23	21 - 32
WW.T350-6590-1	Progressive	Select	9 - 2.5	Medium 1	20 - 24	26 - 44
WW.T350-6590-2	Progressive	Select	9 - 2.5	Medium 2	24 - 29	29 - 44
WW.T350-6594-1	Progressive	Select	9 - 2.5	Medium Plus 1	20 - 24	30 - 54
WW.T350-6594-2	Progressive	Select	9 - 2.5	Medium Plus 2	24 - 29	33 - 54
WW.T350-6594-3	Progressive	Select	9 - 2.5	Medium Plus 3	29 - 32	36 - 54
WW.T350-6596-1	Progressive	Select	9 - 2.5	Large 1	28 - 32	33 - 64
WW.T350-6596-2	Progressive	Select	9 - 2.5	Large 2	32 - 36	36 - 64
WW.T350-6598-1	Progressive	Select	9 - 2.5	Large Plus	32 - 39	41 - 80
WW.T350-6597-1	Progressive	Select	9 - 2.5	Extra Large	37 - 45	46 - 90



◆ Alpha DUO® Liner

DUO Liners are the matching liners for the One System BK vacuum system (p. 158). This vacuum system for BK amputees can be worn without an external suspension sleeve, which makes for great comfort and allows users to bend the knee without restriction.

The Alpha Duo Liner offers the best of two worlds: The inside of the liner consists of classic Alpha Gel, which is extremely flowable and greatly adapts to anatomical structures. On the exterior, the fabricless liner consists of extremely durable Alpha Silicone with a high-quality satin finish.

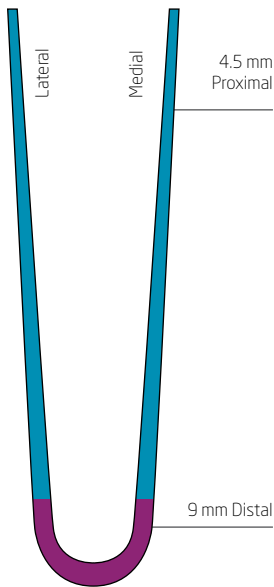
A One Gel Sock is enclosed with each liner; it serves as a textile liner cover which, during the One System BK fabrication process, gets individually shaped to follow the edge of the prosthetic socket.

**It is necessary to attend a seminar to get certified to offer this system to your customers.**

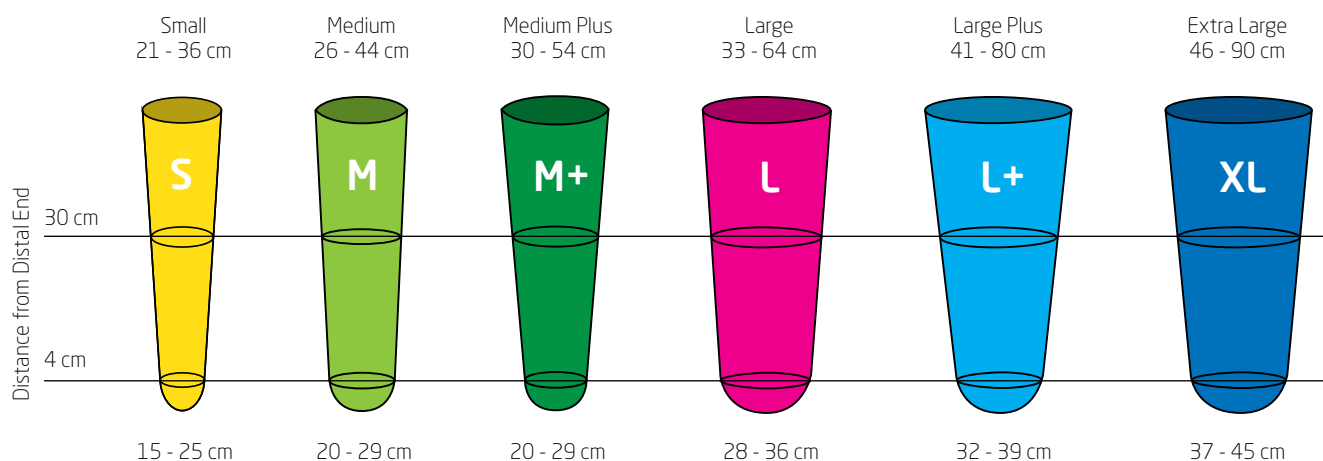
The next available seminar dates can be found at [www.teufel-international.com](http://www.teufel-international.com).

Material	Inside: Classic Gel Outside: Silicone
Fabric Type	No Fabric Cover
Color	Dark Gray
Suspension Style	Available in cushion style
Profile/Umbrella	OneSystem Symmetrical
Compatibility	To be used with the OneSystem BK
Total Length	46 cm (+/- 1.5 cm)

One System Symmetrical Profile



## Sizing Guide: Alpha DUO® Liner



## Size Chart: Alpha DUO® Liner

REF Cushionliner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.D990-1943	OneSystem Symmetrical	No Fabric Cover	9 - 4.5	Small	15 - 25	21 - 36
WW.D990-1940	OneSystem Symmetrical	No Fabric Cover	9 - 4.5	Medium	20 - 29	26 - 44
WW.D990-1944	OneSystem Symmetrical	No Fabric Cover	9 - 4.5	Medium Plus	20 - 29	30 - 54
WW.D990-1946	OneSystem Symmetrical	No Fabric Cover	9 - 4.5	Large	28 - 36	33 - 64
WW.D990-1948	OneSystem Symmetrical	No Fabric Cover	9 - 4.5	Large Plus	32 - 39	41 - 80
WW.D990-1947	OneSystem Symmetrical	No Fabric Cover	9 - 4.5	Extra Large	37 - 45	46 - 90

### Required Accessories


REF	Product
WW.FlexSeal-SM	MV-Flex-Seal S
WW.FlexSeal-MD	MV-Flex-Seal M
WW.FlexSeal-LG	MV-Flex-Seal L
WW.FlexSeal-XL	MV-Flex-Seal XL

### Optional Accessories


WW.ONE-SOCK-SM	OneSystem Gel Sock S
WW.ONE-SOCK-MD	OneSystem Gel Sock M
WW.ONE-SOCK-MP	OneSystem Gel Sock M+
WW.ONE-SOCK-LG	OneSystem Gel Sock L
WW.ONE-SOCK-LP	OneSystem Gel Sock L+
WW.ONE-SOCK-XL	OneSystem Gel Sock XL



# AK Liners



Alpha Classic® AK Liner  
Alpha Symmetrical AK Liner  
Alpha SmartTemp® TPE Gel AK Liner  
Alpha Express AK Liner  
Alpha Start AK Liner  
Alpha Silicone AK Liner  
Alpha SmartTemp® AK Liner  
Alpha TruSeal AK Liner  
One System SmartTemp® AK Liner



## ◆ Alpha AK Liners

The Alpha Liner product line offers a wide range of versatile liners that meet all user requirements. Highest quality, a good fit and great durability are only some of the Alpha Liners' exceptional features. We want to help you choose the optimal liner for your users.

Properties	AK Liners (Femur)		
			
	e.g. Alpha Classic® AK Liner	e.g. Alpha® Symmetrical AK Liner	
Page	e.g. 54	e.g. 64	
Material**	e.g. Classic Gel	e.g. Hybrid-Gel	
Surface	e.g. Tacky	e.g. Tacky	
Fabric Type***	e.g. Spirit; MAX	e.g. Select	
Color	e.g. Buff	e.g. Dark Gray	
Sizes (Distal Circumference in cm)	e.g. Sz. „M+“ - „XL“ (20 - 55 cm)	e.g. Sz. „M+“ - „XL“ (20 - 55 cm)	
Total Length AK	e.g. 46 cm	e.g. 53 cm	
Gel Profile: Identical profiles (same color) are compatible with each other			
Uniform Profile, Standard Umbrella			
Progressive Profil, Accordion Umbrella			
Suspension Style	e.g. Locking; Cushion	z. B. Locking; Cushion	
Gel Thickness	z. B. AK Profile: 9 mm Distal 9 mm Lateral Padding 3 mm Proximal	z. B. Symmetrical Profile: 9 mm Distal 2.5 mm Proximal	

## Which Liner for Which User?





















The large variety of options offered to the user by the Alpha Liners makes it possible to cater to a very wide range of requirements regarding activity levels, material properties and individual user needs.

**The diagrams on the following pages will help you select the desired liner version.  
The explanations below will make it easy for you to use and understand the diagrams:**

Symbol Explanation	
	Product image.
	Name of the liner model.
	Matching catalog page.
	Describes the material of the liner. The material properties are explained in detail on the catalog page with the material overview.
	Describes the grip of the material on the inside of the liner. Differs in how strongly the liner sticks to the skin.
	Product name of the liner's textile cover. The material properties are explained in detail on the catalog page with the material overview.
	Color of the outside of the liner. The color is predefined and cannot be changed.
	Defines the range of possible circumferences and according sizes, which are regularly available.
	Total length of the unshortened liner.
	<p>The term „profile“ refers to the inside shape of the liner (i.e. the material thickness of the liner in different areas). The profile overview describes the different profiles in detail and lists recommendations for use.</p> <p>Compatibility: All liners with the Uniform Profile (green liner symbol) are interchangeable, without the prosthetic socket having to be changed.</p> <p>The term „umbrella“ refers to the distal pin connection on locking liners.</p> <p>Liners with the Uniform Profile come with a standard umbrella (blue umbrella symbol, one layer).</p>
	<p>The term „profile“ refers to the inside shape of the liner (i.e. the material thickness of the liner in different areas). The profile overview describes the different profiles in detail and lists recommendations for use.</p> <p>Compatibility: All liners with the Progressive Profile (blue liner symbol) are interchangeable, without the prosthetic socket having to be changed.</p> <p>Liners with the Progressive Profile come with an accordion umbrella (blue umbrella symbol, multiple layers).</p>
	<p>Locking liners feature a distal 10mm threaded hole for a pin connection.</p> <p>Cushion liners are used for suction suspension.</p>
	Shows with which gel thicknesses the liner is available and how thick the gel is in different areas (e.g. distal) of the liner.

Properties	AK Liners (Femur)				
					
	<b>Alpha Classic® AK Liner</b>	<b>Alpha® Symmetrical AK Liner</b>	<b>SmartTemp TPE Gel AK-Liner</b>	<b>Alpha® Express AK Liner</b>	
Page	62	64	66	68	
Material*	Classic Gel	Hybrid Gel	TPE Gel with PCM	Soft Silicone	
Surface	Tacky	Tacky	Tacky	Silky	
Fabric Type**	Spirit; Max	Select	Select	Spirit; Max; Select	
Color	Buff	Dark Gray	Taupe	Buff; Dark Gray	
Sizes (Distal Circumference in cm)	Sz. "M+" - "XL" (20 - 55 cm)	Sz. "M+" - "XL" (20 - 55 cm)	Sz. "M+" - "XL" (20 - 55 cm)	Sz. "L+" (32 - 47 cm)	
Total Length AK	46 cm	53 cm	53 cm	46 cm	
<b>Gel Profile: Identical profiles (same color) are compatible with each other</b>					
AK Profile/ Standard Umbrella					
Symmetrical Profile/ Accordion Umbrella					
Other Profiles					
Suspension Style	Locking; Cushion	Locking; Cushion	Locking; Cushion	Locking; Cushion	
Gel Thickness	AK Profile: 9 mm Distal, 9 mm Lateral Padding, 3 mm Proximal	AK Symmetrical Profile: 9 mm Distal, 2.5 mm Proximal	AK Symmetrical Profile: 9 mm Distal, 2.5 mm Proximal	AK Profile: 9 mm Distal, 9 mm Lateral Padding, 3 mm Proximal	
<b>Recommended application based on activity levels</b>					
Recommended Activity Level	1 to 3 	1 to 4 	1 to 4 	1 to 3 	
<b>Recommended application based on limb shape (the following parameters were rated as "✓✓✓=ideal", "✓✓=recommendable")</b>					
 <b>Good Soft Tissue Coverage, Even Limb Shape</b>	✓✓	✓✓✓	✓✓✓	✓✓✓	
 <b>Little Soft Tissue Coverage, Bony Residual Limb</b>	✓✓✓	✓✓✓	✓✓✓	✓✓✓	
 <b>Very Conical Limb Shape</b>	✓✓  Technician's Tip: Consider one of the "Plus"-sizes for very conical limb shapes.	✓✓✓  Technician's Tip: Consider one of the "Plus"-sizes for very conical limb shapes.	✓✓✓  Technician's Tip: Consider one of the "Plus"-sizes for very conical limb shapes.	✓✓  Technician's Tip: Consider one of the "Plus"-sizes for very conical limb shapes.	
<b>Deep Scars, Anatomically Complex Limb Shapes, Custom Material Thickness Required</b>	✓	✓	✓	✓	

**\*Legend Material:****Classic Gel:** Maximum flowability, perfect adaptation to anatomical structures.**Hybrid Gel:** High flowability, increased durability, also ideal for users with higher activity levels.**Soft Silicone:** Soft cushioning effect, maximum elasticity, offers a high level of comfort and good control.**Silicone:** Pleasantly firm cushioning effect and high elasticity for maximum control.**Silicone with Outlast:** Absorbs temperature fluctuations, noticeably reduces perspiration.

						
	<b>Alpha Start AK Liner</b>	<b>Alpha Silicone AK Liner</b>	<b>Alpha SmartTemp® AK Liner</b>	<b>One System SmartTemp® AK Liner</b>	<b>TruSeal AK Liner</b>	<b>Alpha DESIGN® Liner</b>
	70	72	74	78	76	82
	Silicone	Silicone	Silicone with Outlast	Silicone with Outlast	Silicone	Classic/Hybrid Gel; Silicone
	Silky	Silky	Silky	Silky	Silky	Tacky/Silky
	Select	Select	Select	No Fabric Cover	No Fabric Cover	Original; Spirit; Max; Select
	Orange	Taupe	Taupe	Light Blue	Taupe	According to Fabric Cover
	Sz. "L" - "XL" (28- 45 cm)	Sz. "M+1" - "XL" (20 - 45 cm)	Sz. "M+1" - "XL" (20 - 45 cm)	Sz. "M+" - "XL" (20 - 45 cm)	Sz. "25" - "43" (25 - 47 cm)	(19 - 60 cm)
	53 cm	53 cm	53 cm	44 cm	46 cm	48 cm
						
						Umbrella size is selected to match liner size
				One System Symmetrical, wall thickness decreases from distal to a proximal thickness of 4.5 mm.		
	Locking	Locking; Cushion	Locking; Cushion	Cushion	Cushion	Locking; Cushion
	AK Symmetrical Profile: 9 mm Distal, 2.5 mm Proximal	AK Symmetrical Profile: 9 mm Distal, 2.5 mm Proximal	AK Symmetrical Profile: 9 mm Distal, 2.5 mm Proximal	One System Symmetrical Profile: 9 mm Distal, 4.5 mm Proximal	Symmetrical Profile: 9 mm Distal, 4.5 mm Center, 2.5 mm Proximal	Individual Gel Thickness, 3 - 25 mm
						
and "✓"=less recommendable")						
	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓
	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓✓
	✓✓  Technician's Tip: Consider one of the "Plus"-sizes for very conical limb shapes.	✓✓  Technician's Tip: Consider one of the "Plus"-sizes for very conical limb shapes.	✓✓  Technician's Tip: Consider one of the "Plus"-sizes for very conical limb shapes.	✓✓  Technician's Tip: Consider one of the "Plus"-sizes for very conical limb shapes.	✓✓	✓✓✓
	✓	✓	✓	✓	✓	✓✓✓

**\*\*Legend Fabric Type:****Alpha Basic:** Robust nylon textile, locking style with distally positioned Select Fabric.**Original:** Fine but robust nylon textile. Supports the elasticity of Classic Gel.**Spirit:** Robust textile, high flexibility for easy donning and doffing. Hook-and-loop fasteners will stick to Spirit Fabric.**MAX:** Terry cloth textile, very suitable for suction systems.**Select:** Functional textile, almost zero elongation, reduces pressure on the patella, perfectly suitable for suction systems.

## • Overview Alpha® AK Liners

This overview allows you to compare the sizes of Alpha Liners with the sizes of alternative liner brands. Based on the distal circumference of the liner (e.g. Sz. 34) you can see which Alpha size matches this measurement.

Size Selection, AK Liners (Femoral and Knee Disarticulation)											
Circumference/cm*	Classic AK Liner			Alpha® Express AK Liner	Silicone AK Liner						
	Symmetrical AK Liner		SmartTemp TPE Gel AK Liner		SmartTemp AK Liner						
					Start AK Liner (Available in Sz. L-XL)						
20	20-32				20-24						
22					M+						
24							24-29				
26							M+2				
28							28-32				
30							L1				
32	M+				32-47				32-36	32-39	
34											
36									L2		
38											37-45
40										L+	
45					L+						XL
50											
55					XL						

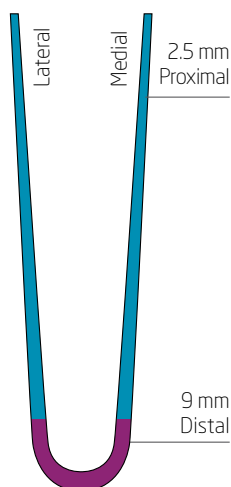
\*Measured 4 cm above distal end

### How to select the right size if sizes overlap:

Select the larger size (e.g. M) if the residual limb has little soft tissue coverage.

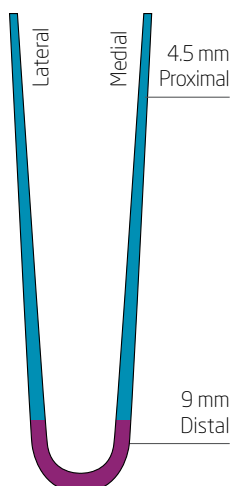
Select the smaller size (e.g. S) if there is good to strong soft tissue coverage on the residual limb.

## AK Symmetrical Profile



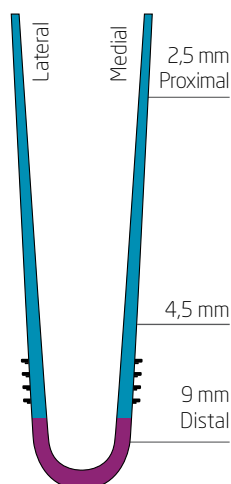
This is the Hybrid Gel liner profile. The wall thickness of this profile tapers down to an especially thin 2.5 mm. Distal gel cushioning is 9 mm.

## One System Symmetrical Profile



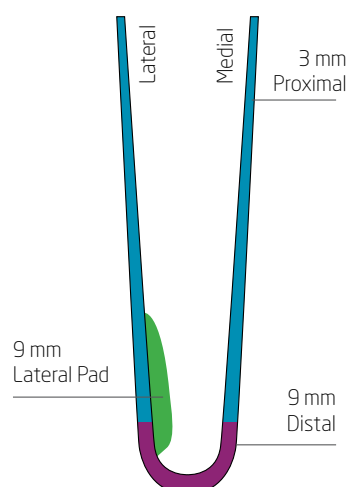
One System liner profile. Wall thickness is 4.5 mm, distal cushioning is 9 mm.

## Symmetrical Profile



TruSeal liner profile. Tapers down to an especially thin proximal wall thickness of 2.5 mm. Wall thickness of 4.5 mm in the middle section of the liner, distal cushioning of 9 mm.

## AK Profile



Classic AK liner profile with an even wall thickness of 3 mm.

Distal cushioning is 9 mm. The liner features an additional lateral pad.

## Locking Suspension

### Standard Umbrella



The standard umbrella is the functional pin-connection e.g. of liners with a Uniform Profile.

### Accordion Umbrella



The accordion umbrella is the pin-connection of Progressive Profile Liners. The umbrella is characterized by its circular ribbing. Thanks to the ribbing, the umbrella adapts even better to the distal shape of the residual limb.

## TruSeal Sealing Fins




The TruSeal Liner with its circular sealing fins allows for vacuum suspension on AK prostheses without requiring any proximal sealing.



WW.AKC-263X-E

WW.AKL-263X-X

<b>Material</b>	Classic Gel
<b>Fabric Type</b>	Spirit <sup>1)</sup> , MAX <sup>2)</sup>
<b>Color</b>	Buff
<b>Suspension Style</b>	Available in locking and cushion style
<b>Profile/Umbrella</b>	AK Profile/Standard 
<b>Compatibility</b>	See overview on page 58
<b>Total Length</b>	46 cm (+/- 1.5 cm)

## ◆ Alpha Classic® AK Liner

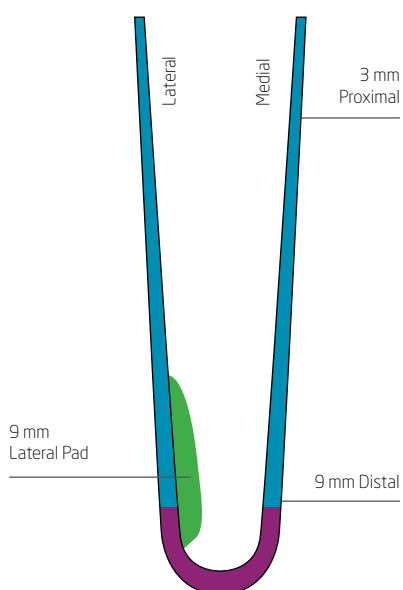
Because their residual limbs often are very sensitive, transfemoral amputees have particular needs concerning socket cushioning. Alpha AK Classic Liners were designed with transfemoral users in mind, and offer support with their special composition and skin-friendly Alpha Gel. The liners feature a distal gel thickness of 9 mm, which tapers down to a proximal gel thickness of 3 mm. A 9-mm gel pad provides additional cushioning for the distal/lateral area.

Locking style liners come with a MAX Fabric Cover, cushion style liners with a Spirit Fabric Cover.

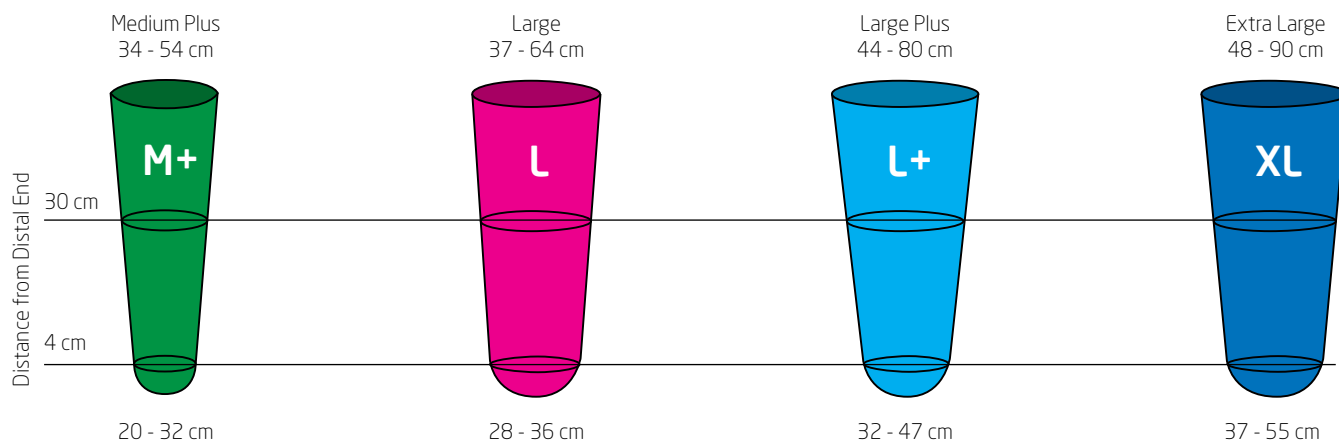
### 👍 Practical Tip:

We recommend donning the liner with the seam of the fabric cover positioned in the front or the back (not medial or lateral), with the lettering on the liner facing the lateral side. This prevents the liner from pulling on the residual limb. Simultaneously, this will provide directional orientation for the user during the donning process.

## AK Profile



## Sizing Guide: Alpha Classic® AK Liner



## Size Chart: Alpha Classic® AK Locking Liner

REF Locking Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.AKL-2634-X	AK Profile	MAX	9 - 3	Medium Plus	20 - 32	34 - 54
WW.AKL-2636-X	AK Profile	MAX	9 - 3	Large	28 - 36	37 - 64
WW.AKL-2638-X	AK Profile	MAX	9 - 3	Large Plus	32 - 47	44 - 80
WW.AKL-2637-X	AK Profile	MAX	9 - 3	Extra Large	37 - 55	48 - 90


## Size Chart: Alpha Classic® AK Cushion Liner

REF Cushion Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.AKC-2634-E	AK Profile	Spirit	9 - 3	Medium Plus	20 - 32	34 - 54
WW.AKC-2636-E	AK Profile	Spirit	9 - 3	Large	28 - 36	37 - 64
WW.AKC-2638-E	AK Profile	Spirit	9 - 3	Large Plus	32 - 47	44 - 80
WW.AKC-2637-E	AK Profile	Spirit	9 - 3	Extra Large	37 - 55	48 - 90



WW.H440-149X

WW.H442-149X

<b>Material</b>	Hybrid Gel
<b>Fabric Type</b>	Select*
<b>Color</b>	Dark Gray
<b>Suspension Style</b>	Available in locking and cushion style
<b>Profile/Umbrella</b>	AK Symmetrical/Accordion 
<b>Compatibility</b>	See overview on page 58
<b>Total Length</b>	53 cm (+/- 1.5 cm)

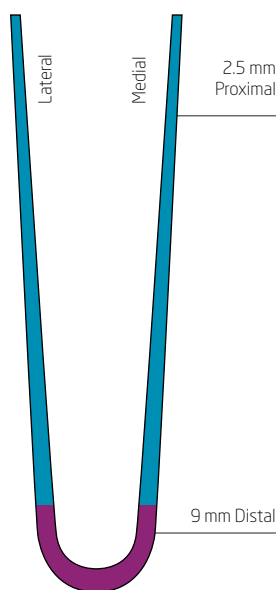
## ◆ Alpha Symmetrical AK Liner

The Alpha AK Symmetrical Liner features WillowWood Hybrid Gel, which is both durable and comfortable. The liner's highly functional Select Fabric Cover provides extraordinary circumferential stretch, while maintaining liner elongation within specified limits. Therefore, Alpha Symmetrical AK Liners are also perfectly suited for trans-femoral amputees who are used to the high, long-lasting resilience of silicone, but also have high standards concerning comfort and cushioning.

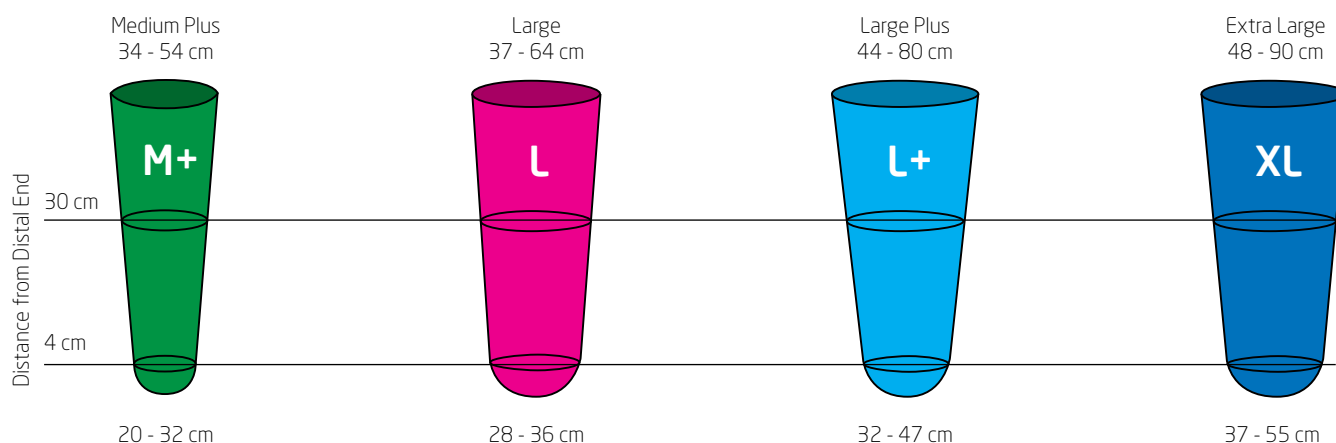
### 👍 Practical Tip:

We recommend donning the liner with the seam of the fabric cover positioned in the front or the back (not medial or lateral), with the lettering on the liner facing the lateral side. This prevents the liner from pulling on the residual limb. Simultaneously, this will provide directional orientation for the user during the donning process.

## AK Symmetrical Profile



## Sizing Guide: Alpha Symmetrical AK Liner



## Size Chart: Alpha Symmetrical AK Locking Liner


REF Locking Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
<b>WW.H442-1494</b>	AK Symmetrical	Select	9 - 2.5	Medium Plus	20 - 32	34 - 54
<b>WW.H442-1496</b>	AK Symmetrical	Select	9 - 2.5	Large	28 - 36	37 - 64
<b>WW.H442-1498</b>	AK Symmetrical	Select	9 - 2.5	Large Plus	32 - 47	44 - 80
<b>WW.H442-1497</b>	AK Symmetrical	Select	9 - 2.5	Extra Large	37 - 55	48 - 90

## Size Chart: Alpha Symmetrical AK Cushion Liner

REF Cushion Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
<b>WW.H440-1494</b>	AK Symmetrical	Select	9 - 2.5	Medium Plus	20 - 32	34 - 54
<b>WW.H440-1496</b>	AK Symmetrical	Select	9 - 2.5	Large	28 - 36	37 - 64
<b>WW.H440-1498</b>	AK Symmetrical	Select	9 - 2.5	Large Plus	32 - 47	44 - 80
<b>WW.H440-1497</b>	AK Symmetrical	Select	9 - 2.5	Extra Large	37 - 55	48 - 90



WW.P44X-169X

<b>Material</b>	TPE Gel with PCM
<b>Fabric Type</b>	Select*
<b>Color</b>	Taupe
<b>Suspension Style</b>	Available in locking and cushion style
<b>Profile/Umbrella</b>	AK Symmetrical/Accordion 
<b>Compatibility</b>	See overview on page 58
<b>Total Length</b>	53 cm (+/- 1,5 cm)

### ◆ Alpha SmartTemp® TPE Gel AK Liner

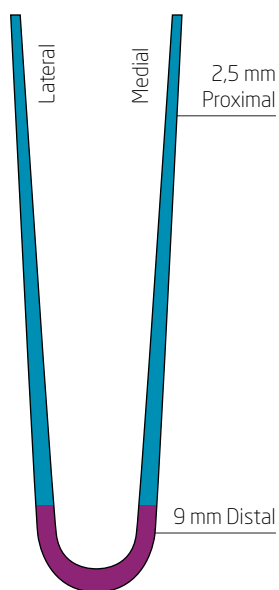
Alpha SmartTemp TPE Gel AK Liners combine the exceptional wearing properties of the new Alpha TPE Gel with temperature regulating material. SmartTemp TPE Gel Liners absorb temperature changes of the limb and thus help regulating the user's overall body temperature. The liners' shore hardness lies between that of Classic Gel and Hybrid Gel.

Once the temperature on the limb rises above comfort level, heat gets absorbed, is stored, and gets released once the temperature drops below comfort level.

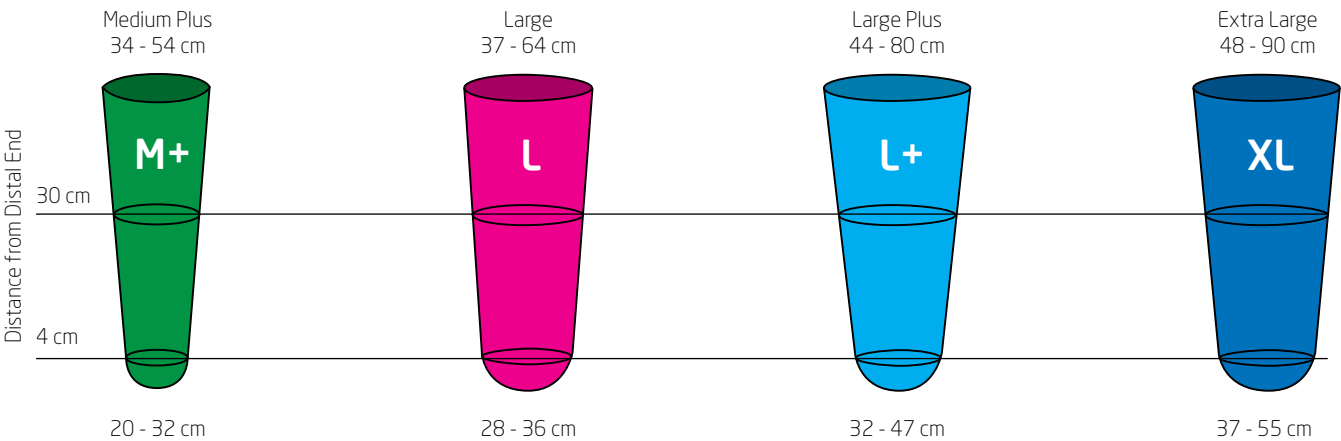
This way, perspiration in the liner gets reduced significantly.

The AK version of the liner features a circular Select Fabric cover. This fabric has extraordinary circumferential stretch while maintaining almost zero liner elongation lengthwise. Alpha SmartTemp TPE Gel AK Liners are available with the AK Symmetrical Profile, in locking and cushion style.

### AK Symmetrical Profile



Sizing Guide: Alpha SmartTemp® TPE Gel AK Liner, Uniform



Size Chart: Alpha SmartTemp® TPE Gel Liner, AK Symmetrical Profile, Locking

REF Locking Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.P442-1694	AK Symmetrical	Select	9 - 2.5	Medium Plus	20 - 32	34 - 54
WW.P442-1696	AK Symmetrical	Select	9 - 2.5	Large	28 - 36	37 - 64
WW.P442-1698	AK Symmetrical	Select	9 - 2.5	Large Plus	32 - 47	44 - 80
WW.P442-1697	AK Symmetrical	Select	9 - 2.5	Extra Large	37 - 55	48 - 90


Size Chart: Alpha SmartTemp® TPE Gel Liner, AK Symmetrical Profile, Cushion

REF Cushion Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.P440-1694	AK Symmetrical	Select	9 - 2.5	Medium Plus	20 - 32	34 - 54
WW.P440-1696	AK Symmetrical	Select	9 - 2.5	Large	28 - 36	37 - 64
WW.P440-1698	AK Symmetrical	Select	9 - 2.5	Large Plus	32 - 47	44 - 80
WW.P440-1697	AK Symmetrical	Select	9 - 2.5	Extra Large	37 - 55	48 - 90



Ww.E4X1-XXXX

Ww.E4X0-2XXX

<b>Material</b>	Soft Silicone
<b>Fabric Type</b>	Spirit <sup>1)</sup> , MAX <sup>2)</sup> , Select <sup>3)</sup>
<b>Color</b>	Buff; Dark Gray
<b>Suspension Style</b>	Available in locking and cushion style
<b>Profile/Umbrella</b>	AK Profile/Standard 
<b>Compatibility</b>	See overview on page 58
<b>Total Length</b>	46 cm (+/- 1.5 cm)

## ◆ Alpha Express AK Liner

Extraordinary softness and comfort – these are the characteristic features of Alpha Express AK Liners, which are made from especially soft silicone. They are available both in cushion and locking style.

The fabric cover of an Alpha Express AK Liner depends on its suspension style:

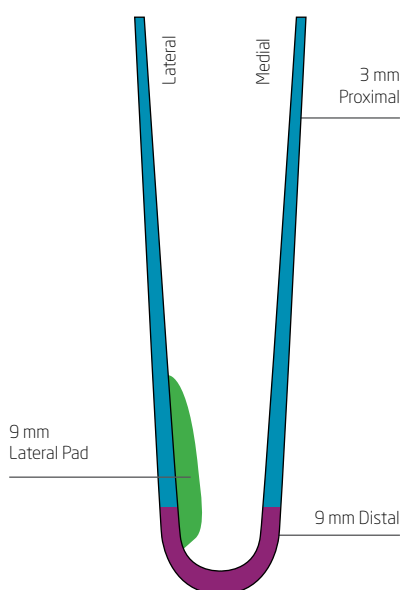
Locking liners come with a MAX or Select Fabric Cover. Cushion liners come with a Spirit or Select Fabric Cover.

Alpha AK Express Liners are fully compatible with the AK profile of the Alpha AK Classic Liner.

## 👍 Practical Tip:

Due to the scheduled product discontinuation of the Express Liner, we recommend to not use the Express Liner for the interim phase, but only for amputees who have used an Express Liner before, in already existing prosthetic sockets.

## AK Profile

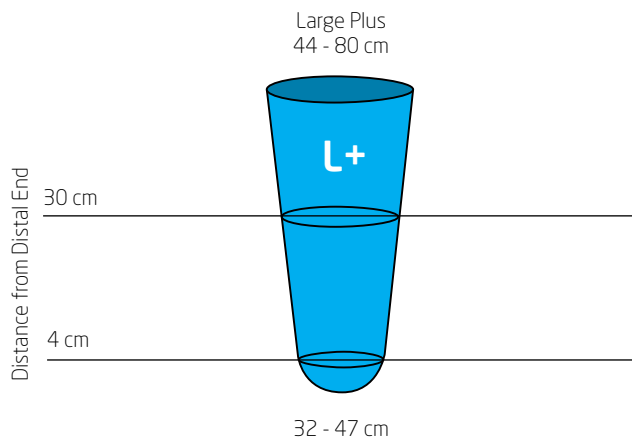


<sup>1)</sup>Spirit: Robust textile, high flexibility for easy donning and doffing. Hook-and-loop fasteners will stick to Spirit Fabric.

<sup>2)</sup>MAX: Terry cloth textile, very suitable for suction systems.

<sup>3)</sup>Select: Functional textile, almost zero elongation, reduces pressure on the patella, perfectly suitable for suction systems.

## Sizing Guide: Alpha Express AK Liner



## Size Chart: Alpha Express AK Locking Liner

REF Locking Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.E431-2198	AK Profile	MAX	9 - 3	Large Plus	32 - 47	44 - 80

REF Locking Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.E441-2498	AK Profile	Select	9 - 3	Large Plus	32 - 47	44 - 80


## Size Chart: Alpha Express AK Cushion Liner

REF Cushion Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.E410-2198	AK Profile	Spirit	9 - 3	Large Plus	32 - 47	44 - 80

REF Cushion Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.E440-2498	AK Profile	Select	9 - 3	Large Plus	32 - 47	44 - 80



WW.S442-1T9X-X

<b>Material</b>	Silicone
<b>Fabric Type</b>	Select*
<b>Color</b>	Orange
<b>Suspension Style</b>	Available in locking style
<b>Profile/Umbrella</b>	AK Symmetrical/Accordion 
<b>Compatibility</b>	See overview on page 58
<b>Total Length</b>	53 cm (+/- 1.5 cm)

### ◆ Alpha Start AK Liner

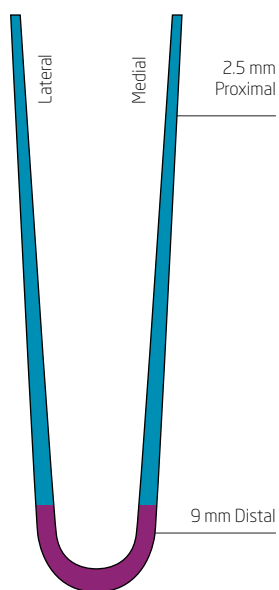
Alpha Start AK Liners are perfectly suited for the interim phase. They are very comfortable and skin-friendly, and are compatible with all other WillowWood liners with an AK Symmetrical Profile.

The platinum-cured silicone formula combines a high level of elasticity, great cushioning and continuous protection from impact forces.

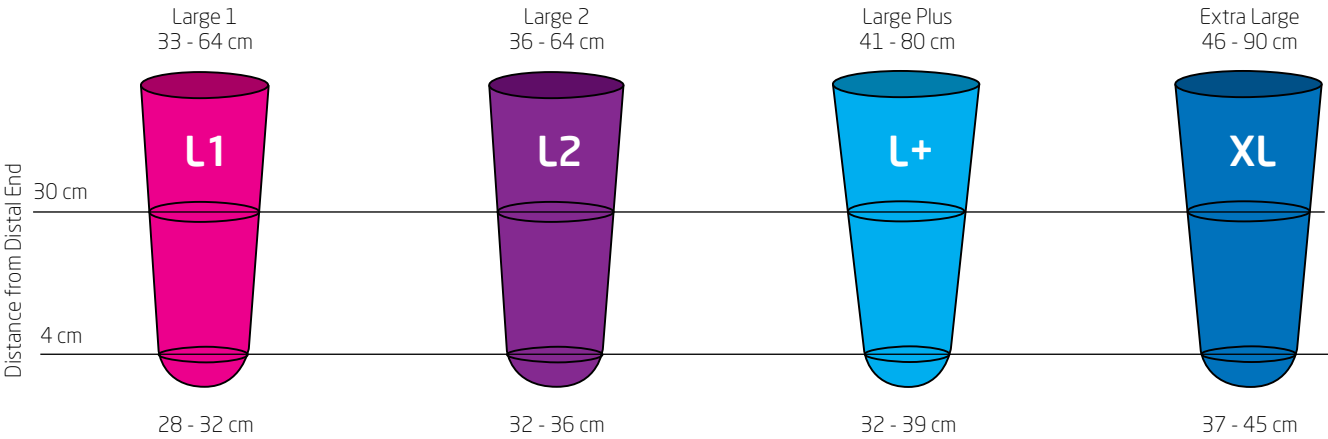
### 👍 Practical Tip:

We recommend donning the liner with the seam of the fabric cover positioned in the front or the back (not medial or lateral), with the lettering on the liner facing the lateral side. This prevents the liner from pulling on the residual limb. Simultaneously, this will provide directional orientation for the user during the donning process.

### AK Symmetrical Profile



Sizing Guide: Alpha Start AK Liner




Size Chart: Alpha Start AK Locking Liner

REF Locking Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.S442-1T96-1	AK Symmetrical	Select	9 - 2.5	Large 1	28 - 32	33 - 64
WW.S442-1T96-2	AK Symmetrical	Select	9 - 2.5	Large 2	32 - 36	36 - 64
WW.S442-1T98-1	AK Symmetrical	Select	9 - 2.5	Large Plus	32 - 39	41 - 80
WW.S442-1T97-1	AK Symmetrical	Select	9 - 2.5	Extra Large	37 - 45	46 - 90



WW.S440-169X-X

WW.S442-169X-X

<b>Material</b>	Silicone
<b>Fabric Type</b>	Select*
<b>Color</b>	Taupe
<b>Suspension Style</b>	Available in locking and cushion style
<b>Profile/Umbrella</b>	AK Symmetrical/Accordion 
<b>Compatibility</b>	See overview on page 58
<b>Total Length</b>	53 cm (+/- 1.5 cm)

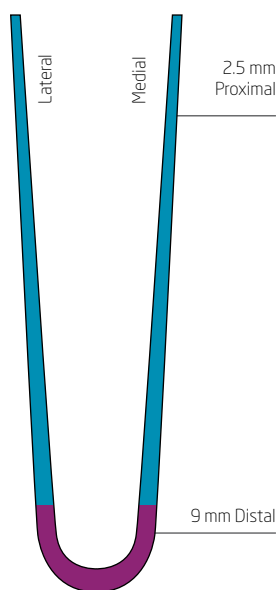
### ◆ Alpha Silicone AK Liner

The Alpha Silicone AK Liner is a transfemoral liner featuring a Symmetrical AK Profile. The original WillowWood silicone used in the liner is exceptionally elastic, and thanks to the liner's Select Fabric Cover, there is almost no liner elongation. The Alpha AK Silicone Liner is fully compatible with all other WillowWood AK Symmetrical Liners.

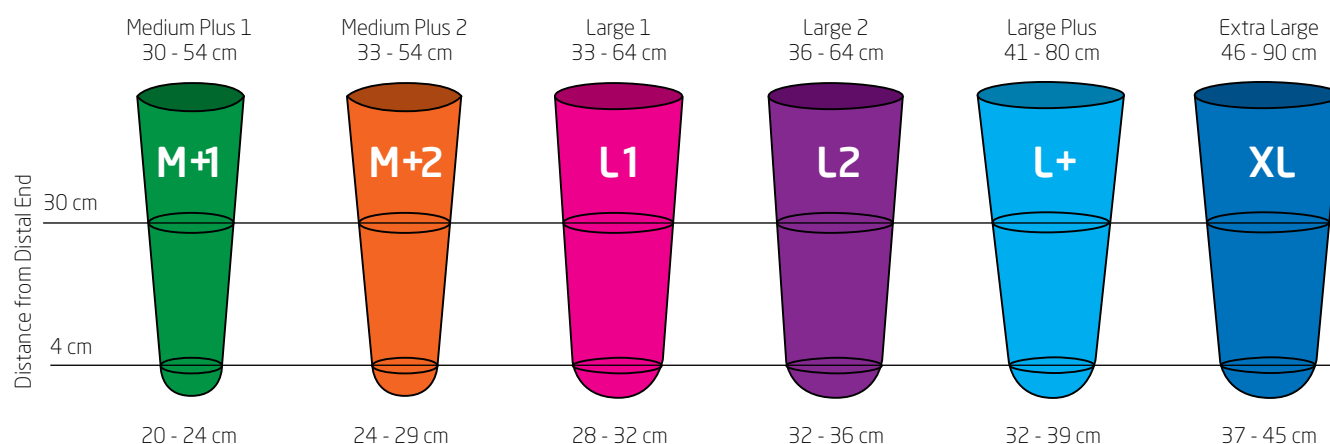
### 👍 Practical Tip:

We recommend donning the liner with the seam of the fabric cover positioned in the front or the back (not medial or lateral), with the lettering on the liner facing the lateral side. This prevents the liner from pulling on the residual limb. Simultaneously, this will provide directional orientation for the user during the donning process.

### AK Symmetrical Profile



## Sizing Guide: Alpha Silicone AK Liner




## Size Chart: Alpha Silicone AK Locking Liner

REF Locking Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.S442-1694-1	AK Symmetrical	Select	9 - 2.5	Medium Plus 1	20 - 24	30 - 54
WW.S442-1694-2	AK Symmetrical	Select	9 - 2.5	Medium Plus 2	24 - 29	33 - 54
WW.S442-1696-1	AK Symmetrical	Select	9 - 2.5	Large 1	28 - 32	33 - 64
WW.S442-1696-2	AK Symmetrical	Select	9 - 2.5	Large 2	32 - 36	36 - 64
WW.S442-1698-1	AK Symmetrical	Select	9 - 2.5	Large Plus	32 - 39	41 - 80
WW.S442-1697-1	AK Symmetrical	Select	9 - 2.5	Extra Large	37 - 45	46 - 90

## Size Chart: Alpha Silicone AK Cushion Liner

REF Cushion Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.S440-1694-1	AK Symmetrical	Select	9 - 2.5	Medium Plus 1	20 - 24	30 - 54
WW.S440-1694-2	AK Symmetrical	Select	9 - 2.5	Medium Plus 2	24 - 29	33 - 54
WW.S440-1696-1	AK Symmetrical	Select	9 - 2.5	Large 1	28 - 32	33 - 64
WW.S440-1696-2	AK Symmetrical	Select	9 - 2.5	Large 2	32 - 36	36 - 64
WW.S440-1698-1	AK Symmetrical	Select	9 - 2.5	Large Plus	32 - 39	41 - 80
WW.S440-1697-1	AK Symmetrical	Select	9 - 2.5	Extra Large	37 - 45	46 - 90



<b>Material</b>	Silicone with Outlast
<b>Fabric Type</b>	Select*
<b>Color</b>	Taupe
<b>Suspension Style</b>	Available in locking and cushion style
<b>Profile/Umbrella</b>	AK Symmetrical/Accordion 
<b>Compatibility</b>	See overview on page 58
<b>Total Length</b>	53 cm (+/- 1.5 cm)

### ◆ Alpha SmartTemp® AK Liner

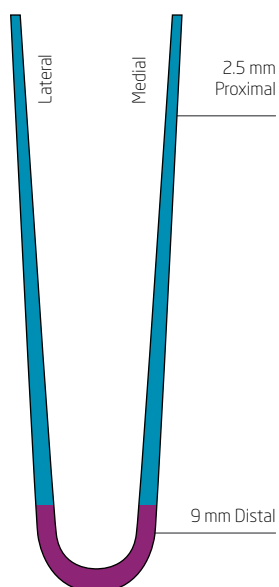
The Alpha SmartTemp AK Liner represents an innovation in liner development. Since a special, temperature regulating material based on Outlast Technology has been added, the liner regulates heat and compensates for fluctuations in skin temperature. The liner absorbs heat before the temperature rises above the comfort zone, and releases it again before the temperature drops too low.

The limb is also protected from becoming too cold, since previously stored heat is released to the surface to create a comfortable skin temperature. The unique SmartTemp Liner provides a significant increase in wearing comfort for many situations of everyday life.

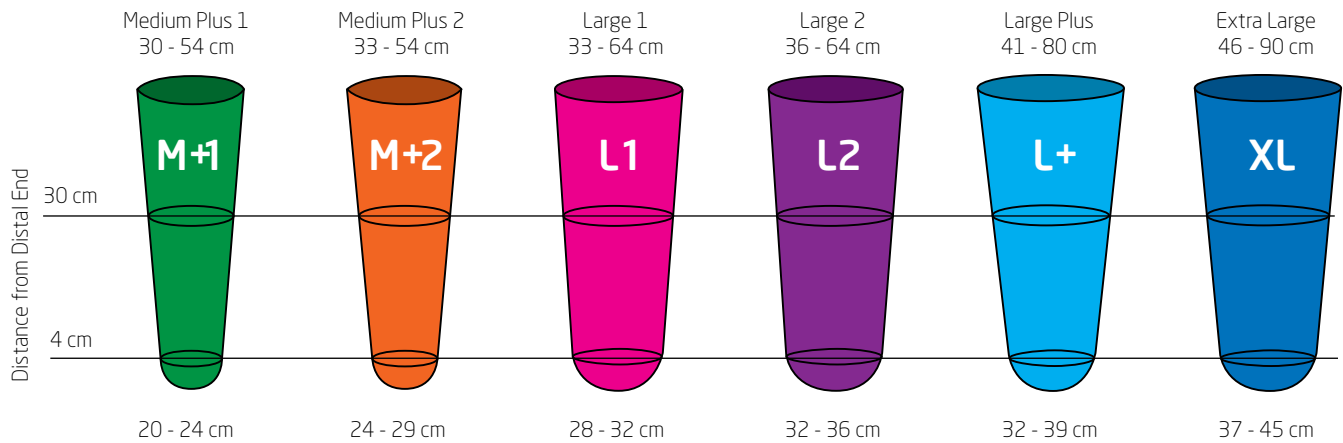
#### Practical Tip:

We recommend donning the liner with the seam of the fabric cover positioned in the front or the back (not medial or lateral), with the lettering on the liner facing the lateral side. This prevents the liner from pulling on the residual limb. Simultaneously, this will provide directional orientation for the user during the donning process.

### AK Symmetrical Profile



## Sizing Guide: Alpha SmartTemp® AK Liner



## Size Chart: Alpha SmartTemp® AK Locking Liner

REF Locking Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.T442-1694-1	AK Symmetrical	Select	9 - 2.5	Medium Plus 1	20 - 24	30 - 54
WW.T442-1694-2	AK Symmetrical	Select	9 - 2.5	Medium Plus 2	24 - 29	33 - 54
WW.T442-1696-1	AK Symmetrical	Select	9 - 2.5	Large 1	28 - 32	33 - 64
WW.T442-1696-2	AK Symmetrical	Select	9 - 2.5	Large 2	32 - 36	36 - 64
WW.T442-1698-1	AK Symmetrical	Select	9 - 2.5	Large Plus	32 - 39	41 - 80
WW.T442-1697-1	AK Symmetrical	Select	9 - 2.5	Extra Large	37 - 45	46 - 90

## Size Chart: Alpha SmartTemp® AK Cushion Liner

REF Cushion Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.T440-1694-1	AK Symmetrical	Select	9 - 2.5	Medium Plus 1	20 - 24	30 - 54
WW.T440-1694-2	AK Symmetrical	Select	9 - 2.5	Medium Plus 2	24 - 29	33 - 54
WW.T440-1696-1	AK Symmetrical	Select	9 - 2.5	Large 1	28 - 32	33 - 64
WW.T440-1696-2	AK Symmetrical	Select	9 - 2.5	Large 2	32 - 36	36 - 64
WW.T440-1698-1	AK Symmetrical	Select	9 - 2.5	Large Plus	32 - 39	41 - 80
WW.T440-1697-1	AK Symmetrical	Select	9 - 2.5	Extra Large	37 - 45	46 - 90



WW.S494-11XX

<b>Material</b>	Silicone
<b>Fabric Cover</b>	No Fabric Cover
<b>Color</b>	Taupe
<b>Suspension Style</b>	Available in cushion style
<b>Profile/Umbrella</b>	Symmetrical
<b>Compatibility</b>	See overview on page 58
<b>Total Length</b>	46 cm (+/- 1,5 cm)

### ◆ Alpha TruSeal AK Liner

The Alpha TruSeal AK Liner is a fabricless liner with distal sealing fins. The high-quality silicone material makes for a high level of damping capacity while still allowing for great prosthesis control. The profile of the Alpha TruSeal AK Liner is the same as the Symmetrical Profile.

Thus, it has a distal material thickness of 9 mm, which tapers down to 4.5 mm in the middle section of the liner and 2.5 mm at the proximal liner end. This way, the liner only adds very little bulk and yet supplies the user with maximum distal cushioning.

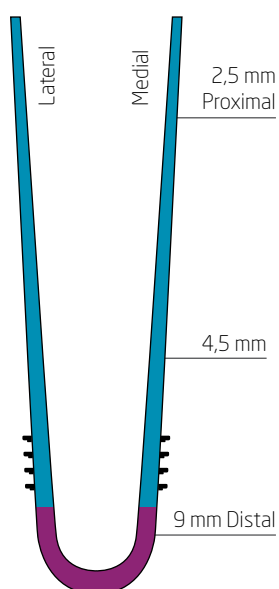
The Alpha TruSeal AK Liner can be combined with both passive and elevated vacuum systems (e.g. LimbLogic 2000).

The distal sealing fins make it possible to forego proximal sealing. This increases wearing comfort in the proximal area and makes donning and doffing the prosthesis easier.

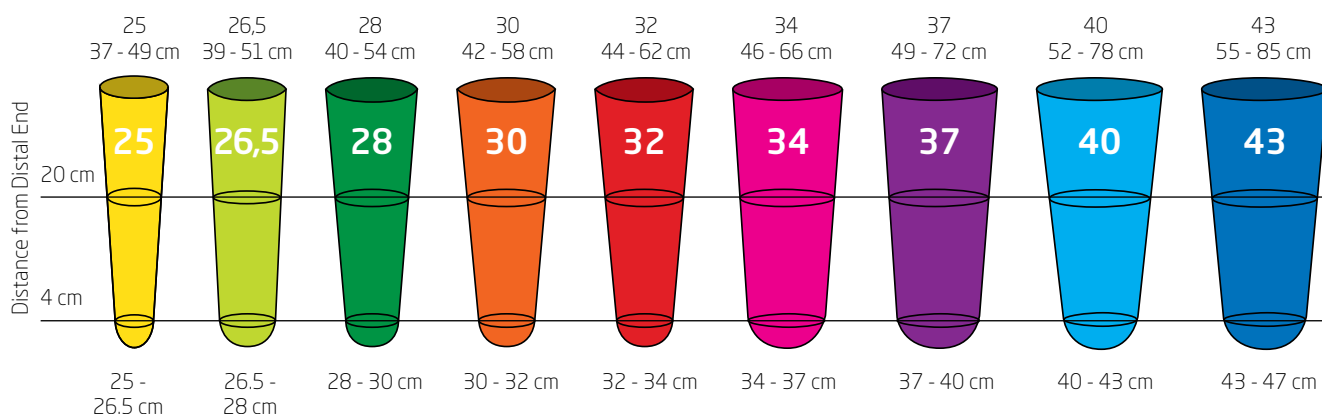
### 👍 Practical Tip:

Please note that, different from all other Alpha Liners, the proximal circumference of the TruSeal Liner is measured 20 cm above the distal end (see p. 77).

### Symmetrical Profile



## Sizing Guide: Alpha TruSeal AK Liner



## Size Chart: Alpha TruSeal AK Liner

REF Cushion Liner	Profile	Fabric Type	Gel Thick-ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.S494-1125	Symmetrical	No Fabric Cover	9 - 2.5	25	25 - 26.5	37 - 49
WW.S494-1126	Symmetrical	No Fabric Cover	9 - 2.5	26.5	26.5 - 28	39 - 51
WW.S494-1128	Symmetrical	No Fabric Cover	9 - 2.5	28	28 - 30	40 - 54
WW.S494-1130	Symmetrical	No Fabric Cover	9 - 2.5	30	30 - 32	42 - 58
WW.S494-1132	Symmetrical	No Fabric Cover	9 - 2.5	32	32 - 34	44 - 62
WW.S494-1134	Symmetrical	No Fabric Cover	9 - 2.5	34	34 - 37	46 - 66
WW.S494-1137	Symmetrical	No Fabric Cover	9 - 2.5	37	37 - 40	49 - 72
WW.S494-1140	Symmetrical	No Fabric Cover	9 - 2.5	40	40 - 43	52 - 78
WW.S494-1143	Symmetrical	No Fabric Cover	9 - 2.5	43	43 - 47	55 - 85



WW.T990-19XX



WW.T990-194x



WW.ONE-SEAL-XX



WW.ONE-SOCK-XX

Material	Silicone with Outlast
Fabric Type	No Fabric Cover
Color	Light Blue
Suspension Style	Available in cushion style
Profile	OneSystem Symmetrical
Compatibility	Designed to be combined with the One System
Total Length	44 cm (+/- 1.5 cm)

### ◆ One System SmartTemp® AK Liner

The One System SmartTemp AK Liner was designed to be used with the One System AK (see page 162). This electronically controlled vacuum system can be used by transfemoral and knee disarticulated amputees without requiring any bothersome additional sleeves for proximal sealing.

The One System SmartTemp Liner is a cushion liner without a fabric cover. Since a special, temperature regulating material based on Outlast technology has been integrated, the liner regulates heat and compensates for fluctuations in skin temperature.

The limb is also protected from becoming too cold, since previously stored heat is released to the liner surface to create a comfortable temperature.

The unique SmartTemp Liner provides a significant increase in wearing comfort for many situations of everyday life.

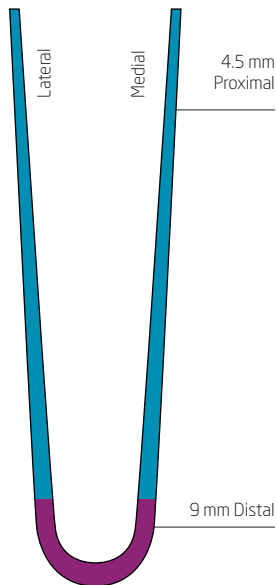
**A One System Silicone Sock (REF WW.ONE-SOCK-XX) is included with every One System SmartTemp AK Liner.**

Another required component for the One System is the One System Seal.

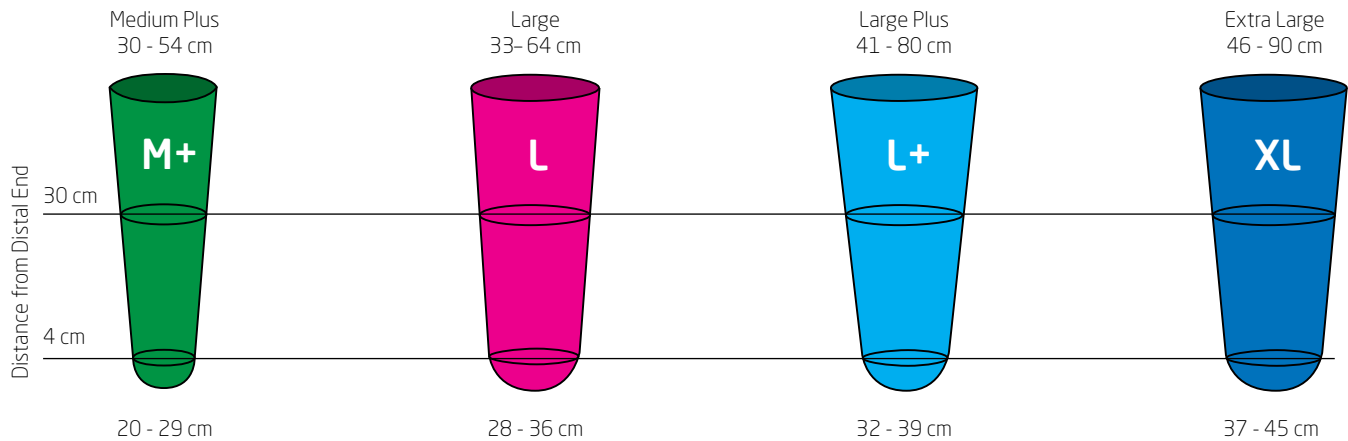
**It is necessary to attend a seminar together with an amputee at our facility to get certified to offer the One System to your customers.**

The next available seminar dates can be found at [www.teufel-international.com](http://www.teufel-international.com).

### One System Symmetrical Profile



## Sizing Guide: Alpha® One System SmartTemp® AK Liner



## Size Chart: Alpha® One System SmartTemp® AK Liner

REF Cushion Liner	Profile	Fabric Type	Gel Thick- ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.T990-1944	One System Symmetrical	No Fabric Cover	9 - 4.5	Medium Plus	20 - 29	30 - 54
WW.T990-1946	One System Symmetrical	No Fabric Cover	9 - 4.5	Large	28 - 36	33 - 64
WW.T990-1948	One System Symmetrical	No Fabric Cover	9 - 4.5	Large Plus	32 - 39	41 - 80
WW.T990-1947	One System Symmetrical	No Fabric Cover		Extra Large	37 - 45	46 - 90

### Required Accessories

REF	Product
WW.ONE-SEAL-MP	OneSystem AK Seal M+
WW.ONE-SEAL-LG	OneSystem AK Seal L
WW.ONE-SEAL-LP	OneSystem AK Seal L+
WW.ONE-SEAL-XL	OneSystem AK Seal XL

### Optional Accessories

WW.ONE-SOCK-SM	OneSystem Gel Sock S
WW.ONE-SOCK-MD	OneSystem Gel Sock M
WW.ONE-SOCK-MP	OneSystem Gel Sock M+
WW.ONE-SOCK-LG	OneSystem Gel Sock L
WW.ONE-SOCK-LP	OneSystem Gel Sock L+
WW.ONE-SOCK-XL	OneSystem Gel Sock XL



# DESIGN® Liners



Alpha DESIGN® Liners



WW.ALX-DES-XX

### ◆ Alpha DESIGN® Liners

Alpha DESIGN Liners are manufactured individually for one user. Their inner surface matches the residual limb's surface in all relevant details.

Thus, e.g. invaginations on the residual limb can be matched exactly on the inside of the liner. This way you can insure that there is full contact between the limb and the liner also in these areas.

The gel thickness of the DESIGN liner can be varied seamlessly from 3 mm - 25 mm, which makes it possible to give the liner the ideal shape for the user.

## Design Liners - The Problem Solving Liners

Alpha DESIGN Liners offer a unique product solution for those users for whom ready-made liners are no satisfying option because of their very uniquely shaped limbs, e.g. due to deep scars.



**Teufel Scanning Service:**  
Teufel employee scans the residual limb for you on-site

**Alternative:** Residual limb gets scanned by you with Omega scanner and software

**Duplicate:** an already existing liner can be duplicated without having to scan again

Teufel **models** the DESIGN Liner with you

You **model** the DESIGN Liner after receiving a training by Teufel

Data gets sent to Teufel, data check by Teufel

DESIGN Liner gets **fabricated**

Liner is **shipped** to you

<b>Material</b>	Classic-Gel, Hybrid-Gel, Soft Silicone
<b>Fabric Type</b>	Original <sup>1)</sup> , Spirit <sup>2)</sup> , MAX <sup>3)</sup> , Select <sup>4)</sup>
<b>Color</b>	According to Fabric Cover
<b>Suspension Style</b>	Available in Locking and Cushion Style
<b>Profile/Umbrella</b>	Profile: Custom 
<b>Total Length</b>	48 cm (-2.5 cm to +1.5 cm)

<sup>1)</sup> Original: Fine but robust nylon textile. Supports the elasticity of Classic Gel.

<sup>2)</sup> Spirit: Robust textile, high flexibility for easy donning and doffing. Hook-and-loop fasteners will stick to Spirit Fabric..

<sup>3)</sup> MAX: Terry cloth textile, very suitable for suction systems..

<sup>4)</sup> Select: Functional textile, almost zero elongation, reduces pressure on the patella, perfectly suitable for suction systems.

## Alpha Design® Locking Liners

REF	Product	Material	Fabric Type	Fabrication Based on
<b>WW.ALL-DES-CS</b>	Design Liner Original Select Locking	Classic Gel	Select	Fabrication Based on Scan
<b>WW.ALL-DES-CSDP</b>	Design Liner Original Sel. Locking Dupl.	Classic Gel	Select	Duplicate (of an Already Existing Liner)
<b>WW.ALL-DES-HS</b>	Design Liner Hybrid Select Locking	Hybrid Gel	Select	Fabrication Based on Scan
<b>WW.ALL-DES-HSDP</b>	Design Liner Hybrid Sel. Locking Dupl.	Hybrid Gel	Select	Duplicate (of an Already Existing Liner)
<b>WW.ALL-DES-OT</b>	Design Liner Original Classic Locking	Classic Gel	Original	Fabrication Based on Scan
<b>WW.ALL-DES-DP</b>	Design Liner Original Clas.Locking Dupl.	Classic Gel	Original	Duplicate (of an Already Existing Liner)
<b>WW.ELL-DES-OT</b>	Design Liner Express Select Locking	Soft Silicone	Select	Fabrication Based on Scan
<b>WW.ELL-DES-DP</b>	Design Liner Express Sel. Locking Dupl.	Soft Silicone	Select	Duplicate (of an Already Existing Liner)

## Alpha Design® Cushion Liners

REF	Product	Material	Fabric Type	Fabrication Based on
<b>WW.ALC-DES-CS</b>	Design Liner Original Select Cushion	Classic-Gel	Select	Fabrication Based on Scan
<b>WW.ALC-DES-CSDP</b>	Design Liner Original Sel. Cushion Dupl.	Classic-Gel	Select	Duplicate (of an Already Existing Liner)
<b>WW.ALC-DES-HS</b>	Design Liner Hybrid Select Cushion	Hybrid-Gel	Select	Fabrication Based on Scan
<b>WW.ALC-DES-HSDP</b>	Design Liner Hybrid Sel. Cushion Dupl.	Hybrid-Gel	Select	Duplicate (of an Already Existing Liner)
<b>WW.ALC-DES-OT</b>	Design Liner Original Classic Cushion	Classic-Gel	Original	Fabrication Based on Scan
<b>WW.ALC-DES-DP</b>	Design Liner Original Clas.Cushion Dupl.	Classic-Gel	Original	Duplicate (of an Already Existing Liner)
<b>WW.ELC-DES-OT</b>	Design Liner Express Select Cushion	Soft Silicone	Select	Fabrication Based on Scan
<b>WW.ELC-DES-DP</b>	Design Liner Express Sel. Cushion Dupl.	Soft Silicone	Select	Duplicate (of an Already Existing Liner)



# Upper Extremity Liners



Alpha Upper Extremity Liner





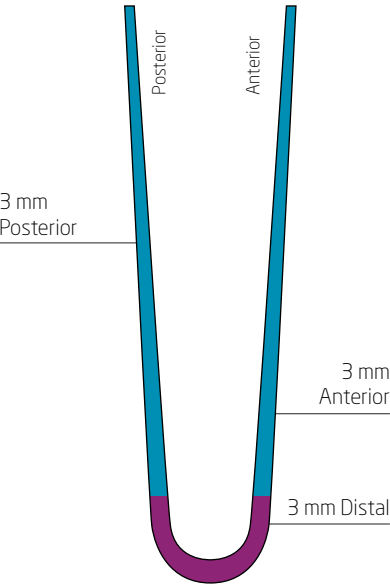
WW.AUL-543X-E

◆ Alpha Upper Extremity Liner

The tried-and-trusted Alpha Liner is also available for upper extremity amputees. It envelopes the residual limb with a layer of skin-friendly, mineral-oil-based gel. The Alpha Gel protects the skin from harmful shear forces. To provide the best fit and comfort possible, the liner comes with a gel thickness of 3 mm and is available in three different sizes. The oval umbrella is very comfortable. Just like the lower extremity liners, Alpha Upper Extremity Liners are heat moldable, allowing for the fit to be customized for the user.

Material	Classic Gel
Fabric Type	Spirit*
Color	Buff
Suspension Style	Available as a locking liner
Profile/Umbrella	Uniform/Oval Shape
Total Length	46 cm (+/- 1.5 cm)

Uniform Profile

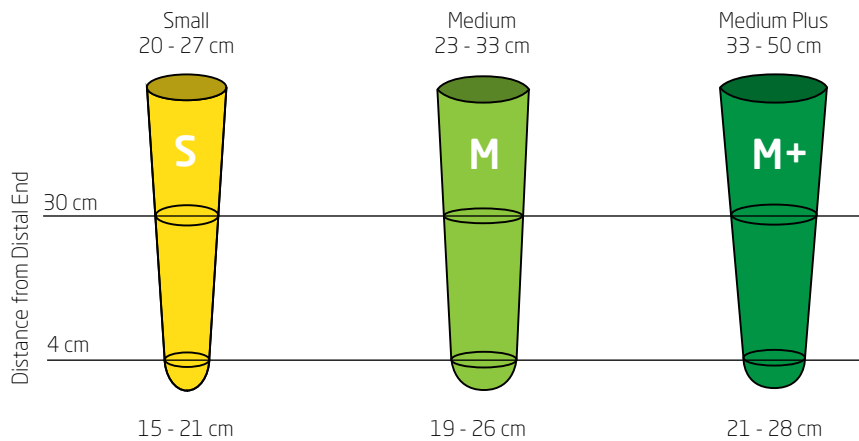


\*Robust textile, high flexibility for easy donning and doffing. Hook-and-loop fasteners will stick to Spirit Fabric.

## Ordering Guidelines: Alpha Upper Extremity Liner

	WW.AUL-5430-E	Ordering Example for Alpha Upper Extremity Liner
Model	AUL	Alpha Upper Extremity Locking Liner
Profile	5	5 = Uniform
Fabric Type	4	4 = Spirit Fabric Cover: Buff
Gel Thickness	3	3 = 3 mm
Size	0	3 = Small 0 = Medium 4 = Medium Plus

## Sizing Guide: Alpha Upper Extremity Liner



## Size Chart: Alpha Upper Extremity Liner

REF Locking Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.AUL-5433-E	Uniform	Spirit	3	Small	15 - 21	20 - 27
WW.AUL-5430-E	Uniform	Spirit	3	Medium	19 - 26	23 - 33
WW.AUL-5434-E	Uniform	Spirit	3	Medium Plus	21 - 28	33 - 50



# Liner Accessories

*WillowWood™*

Liner Accessories  
Swiftwick Liner Socks



## ◆ Liner Accessories

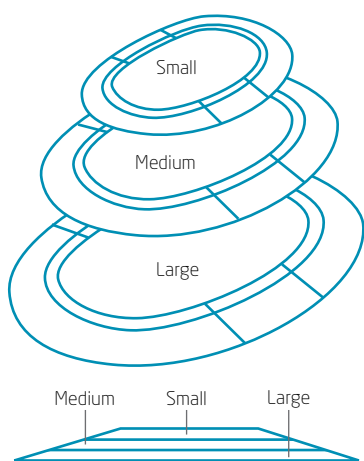
### • Alpha® Gel Cups



WW.ALA-CX-X

Alpha Gel Cups are 3 mm thick. They add thickness to the liner when placed on the distal end of the residual limb to increase protection. The cups consist of Alpha Classic Gel, and are available in four sizes. They should be placed between the liner and the residual limb.

REF	Size	Height/cm	Circumference/cm
WW.ALA-CS-1	Small	10	16.3
WW.ALA-CM-1	Medium	10	21.9
WW.ALA-CL-1	Large	10	29.1
WW.ALA-CX-1	Extra Large	10	40.8



Side view of three pads stacked on top of each other.

WW.ALA-XX

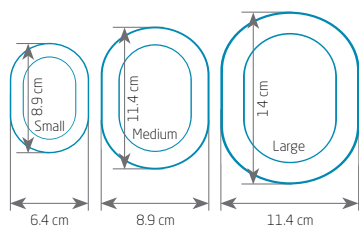
### • Alpha® Volume Management Pads

If volume changes lead to a noticeable loosening of the socket, these changes should be compensated for. This can be achieved with the help of suitable stump socks, or by adding Alpha Volume Management Pads inside the liner.

#### How to use Alpha Volume Management Pads:

Alpha Volume Management Pads are not covered with any fabric, and can be placed directly onto the skin. Placed in those liner areas where volume has decreased, they will compensate for the change. The liner should be worn over the volume pads.

Position the volume pads so the flat side of the pad touches the skin and the domed side of the pad faces outside, towards the liner. If required, several pads can be stacked on top of each other, in order of decreasing size, to compensate for bigger volume changes (see drawing). All pads are 3 mm thick.



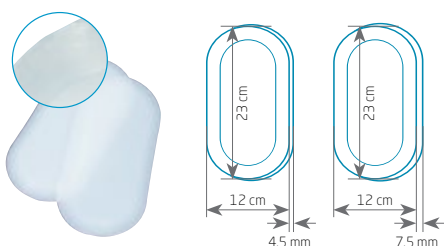
WW.ALA-XX

REF	Size	Measurements/cm
WW.ALA-VM	Assorted Set of Three, One Pad of Each Size	
WW.ALA-VM-LG	Large, Set of Three	14.0 x 11.4
WW.ALA-VM-MD	Medium, Set of Three	11.4 x 8.9
WW.ALA-VM-SM	Small, Set of Three	8.9 x 6.4

### • Alpha Volume Management Pads, Silicone

Alpha® Volume Management Pads, made from silicone, recommended for use with silicone liners, e.g. Alpha TruSeal.

REF	Size	Measurements/cm
WW.ALA-VM-S2	Set of 2, Different Thicknesses	23.0 x 12.0 x 0.45 23.0 x 12.0 x 0.75





WW.ALA-SX

### • Alpha® Socket Pads

Alpha Socket Pads can be used to relieve pressure points or sensitive areas. They are available in four different shapes (circular, small oval, large oval, tear drop), in sets of four. Alpha Socket Pads should be placed between the socket and the liner.

REF	Product	Thickness/ mm	Quantity/ Pieces
<b>WW.ALA-S6</b>	Alpha Socket Pads 6mm Circular 4pcs	6	4
<b>WW.ALA-S7</b>	Alpha Socket Pads 6mm Small Oval 4pcs	6	4
<b>WW.ALA-S8</b>	Alpha Socket Pads 6mm Large Oval 4pcs	6	4
<b>WW.ALA-S9</b>	Alpha Socket Pads 6mm Tear Drop 4pcs	6	4
<b>WW.ALA-S0</b>	Alpha Socket Pads 6mm Variety 4pcs	6	4
<b>WW.ALA-S1</b>	Alpha Socket Pads 12mm Circular 4pcs	12	4
<b>WW.ALA-S2</b>	Alpha Socket Pads 12mm Small Oval 4pcs	12	4
<b>WW.ALA-S3</b>	Alpha Socket Pads 12mm Large Oval 4pcs	12	4
<b>WW.ALA-S4</b>	Alpha Socket Pads 12mm Tear Drop 4pcs	12	4
<b>WW.ALA-S5</b>	Alpha Socket Pads 12mm Variety 4pcs	12	4



WW.ALF-XXXX

### • Alpha® Gel Sheets

Alpha Gel Sheets consist of WillowWood Classic Gel. They can be used wherever maximum cushioning is desired. Alpha Gel Sheets can be cut individually, and then glued on the fabric-covered side. We recommend using our rotary cutter (REF WW.700-TL002, see page 92). Sheet size: 55 cm x 60 cm.

Please note that the gel sheets are only available upon advance order, we do not stock them.

REF	Product	Thickness/ mm	Color
<b>WW.ALF-0130</b>	Alpha Gel Sheet Fabric 1 Side Buff 3mm	3	Buff
<b>WW.ALF-0160</b>	Alpha Gel Sheet Fabric 1 Side Buff 6mm	6	Buff
<b>WW.ALF-0190</b>	Alpha Gel Sheet Fabric 1 Side Buff 9mm	9	Buff
<b>WW.ALF-1130</b>	Alpha Gel Sheet Fabric 2 Sides Buff 3mm	3	Buff
<b>WW.ALF-1160</b>	Alpha Gel Sheet Fabric 2 Sides Buff 6mm	6	Buff
<b>WW.ALF-1190</b>	Alpha Gel Sheet Fabric 2 Sides Buff 9mm	9	Buff



WW.700-TL002

### • Rotary Cutter

Rotary cutter for easy cutting of WillowWood Liners. Thanks to the rotary blade it is possible to make continuous cuts, thereby avoiding unwanted notches on the edge of the liner.

REF	Product
WW.700-TL002	Rotary Cutter f. Alpha Liners



WW.700-0112

### • Drying Stand for Liners

Drying stand for easily drying liners after cleaning.

REF	Product
WW.700-0112	Drying Stand f. Liners



OE.CGXXXX-XX

## ◆ Swiftwick Liner Socks

Swiftwick Liner Socks are worn against the skin, underneath the liner. Thanks to new knitting technology the distal end of this modern liner sock is seamless. A blend of nylon and functional fibers provides superior moisture management and great temperature adjustment. The liner socks offer good elasticity and moderate compression. Swiftwick Liner Socks are sold in pairs.

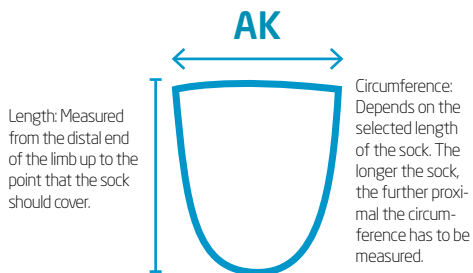
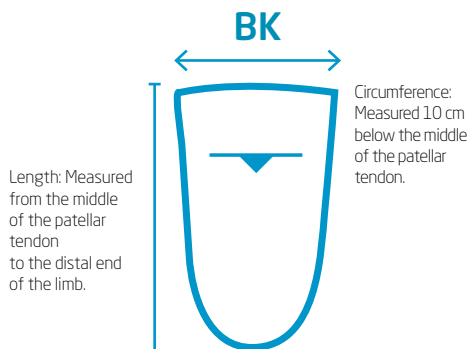
The AK version is worn as a kind of distal cap for additional protection of the end of the residual limb.

### • BK-Version, For Limb Circumferences 28 - 45 cm

REF	Size	Length of Residual Limb/cm	Circumference Above Knee/cm
OE.CGBMV4-03	3	8 - 10	28 - 45
OE.CGBMV4-05	5	13 - 15	28 - 45
OE.CGBMV4-07	7	18 - 20	28 - 45
OE.CGBMV4-09	9	23 - 25	28 - 45
OE.CGBMV4-11	11	28 - 30	28 - 45
OE.CGBMV4-13	13	33 - 35	28 - 45
OE.CGBMV4-15	15	38 - 40	28 - 45

### • AK-Version, For Limb Circumferences 28 - 45 cm

REF	Size	Length of Residual Limb/cm	Circumference Above Knee/cm
OE.CGALV4-03	3	8 - 10	28 - 45
OE.CGALV4-05	5	13 - 15	28 - 45
OE.CGALV4-07	7	18 - 20	28 - 45
OE.CGALV4-09	9	23 - 25	28 - 45





# Suspension Sleeves/ Gel Suspension Sleeves

Alpha Classic Original Sleeve  
Alpha Hybrid® Sleeve  
LimbLogic® Sleeve  
Basic Sleeve  
Alpha Hybrid AK Sleeve





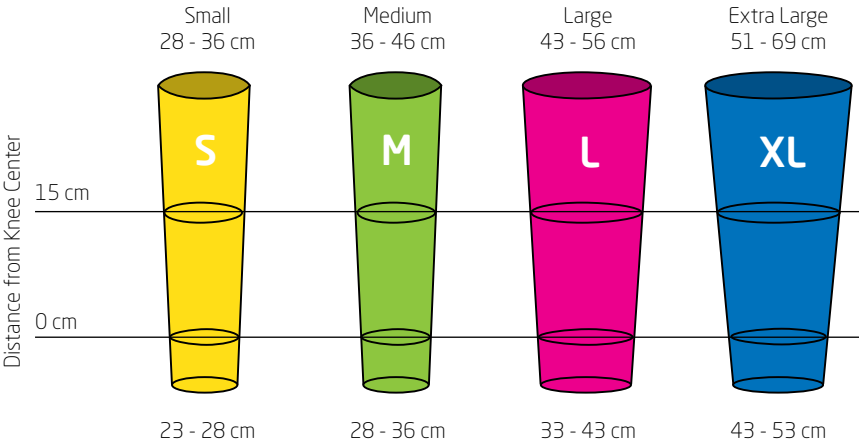
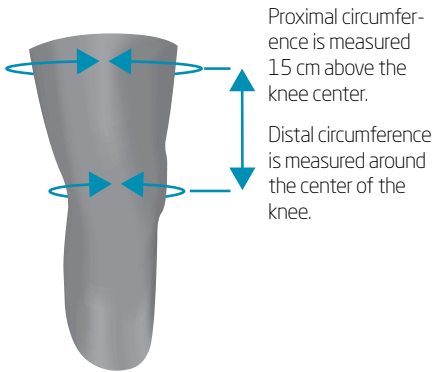
WW.ALS-3XX

◆ Alpha Classic Original Sleeve

The Alpha Classic Original Sleeve is composed of Alpha Classic Gel and an Original Fabric Cover. It can be used with passive suction suspension systems or elevated vacuum systems (LimbLogic System). On the inside, the sleeve features a fabric cuff which makes bending the leg easier and protects the sleeve from damage.

Total length is about 41 cm.

Alpha Classic Original Sleeves are available in four sizes:



REF	Size	Color	Distal Circumference/cm	Proximal Circumference/cm
WW.ALS-33B	Small	Buff	23 - 28	28 - 36
WW.ALS-30B	Medium	Buff	28 - 36	36 - 46
WW.ALS-36B	Large	Buff	33 - 43	43 - 56
WW.ALS-37B	Extra Large	Buff	43 - 53	51 - 69



WW.ALS-5XB

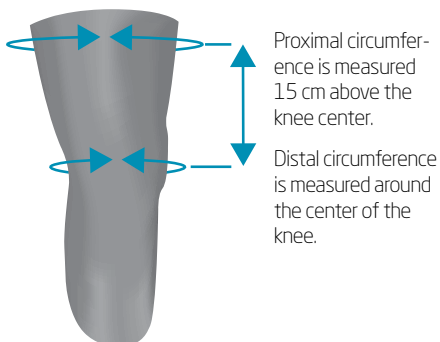
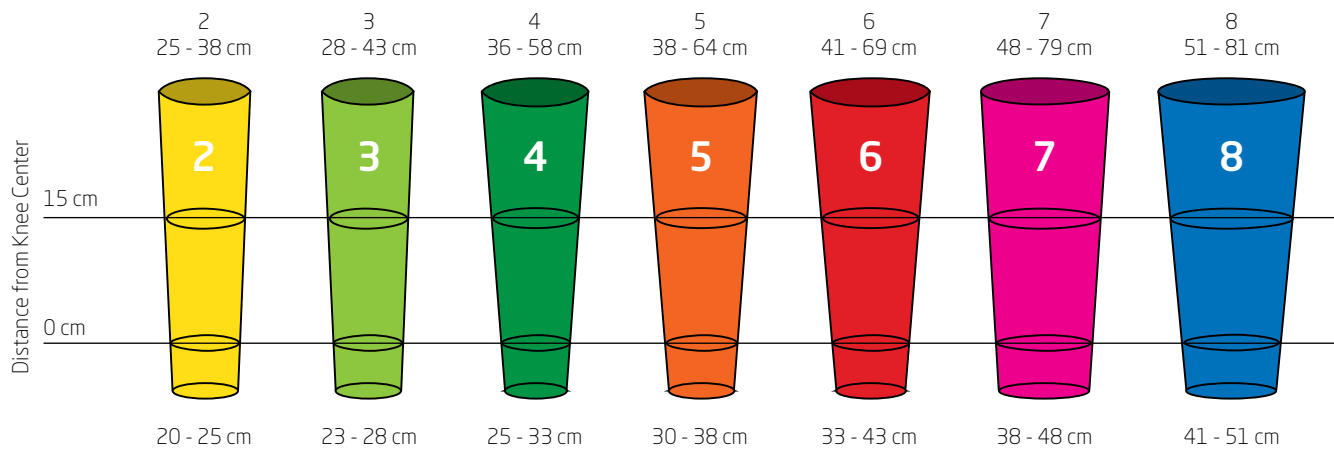
WW.ALS-5XK

### ◆ Alpha Hybrid® Sleeve

Alpha Hybrid Sleeves consist of Hybrid Gel, making them also ideal for more active users. The combination of this gel with the fabric cover results in a sleeve with a high level of durability and flexibility and very little bending resistance. For even more durability, Alpha Hybrid Sleeves feature a contoured pad on the interior fabric cuff. This pad helps reduce the abrasion of the sleeve along the brim of the socket and around the patella.

Total length is about 41 cm.

### Alpha® Hybrid Sleeves are available in seven sizes:



#### Alpha Hybrid Sleeve, Buff

REF	Size	Color	Distal Circumference/cm	Proximal Circumference/cm
WW.ALS-52B	2	Buff	20 - 25	25 - 38
WW.ALS-53B	3	Buff	23 - 28	28 - 43
WW.ALS-54B	4	Buff	25 - 33	36 - 58
WW.ALS-55B	5	Buff	30 - 38	38 - 64
WW.ALS-56B	6	Buff	33 - 43	41 - 69
WW.ALS-57B	7	Buff	38 - 48	48 - 79
WW.ALS-58B	8	Buff	41 - 51	51 - 81

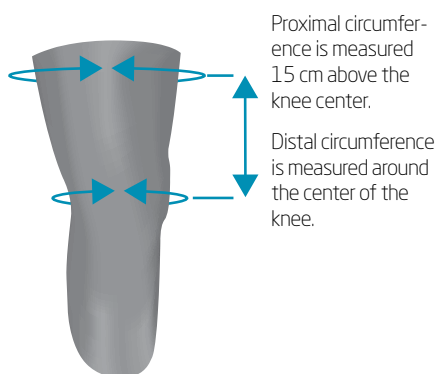
#### Alpha Hybrid Sleeve, Black

REF	Size	Color	Distal Circumference/cm	Proximal Circumference/cm
WW.ALS-52K	2	Black	20 - 25	25 - 38
WW.ALS-53K	3	Black	23 - 28	28 - 43
WW.ALS-54K	4	Black	25 - 33	36 - 58
WW.ALS-55K	5	Black	30 - 38	38 - 64
WW.ALS-56K	6	Black	33 - 43	41 - 69
WW.ALS-57K	7	Black	38 - 48	48 - 79
WW.ALS-58K	8	Black	41 - 51	51 - 81



WW.LLS-CKXX

WW.LLS-CTXX



Proximal circumference is measured 15 cm above the knee center.

Distal circumference is measured around the center of the knee.

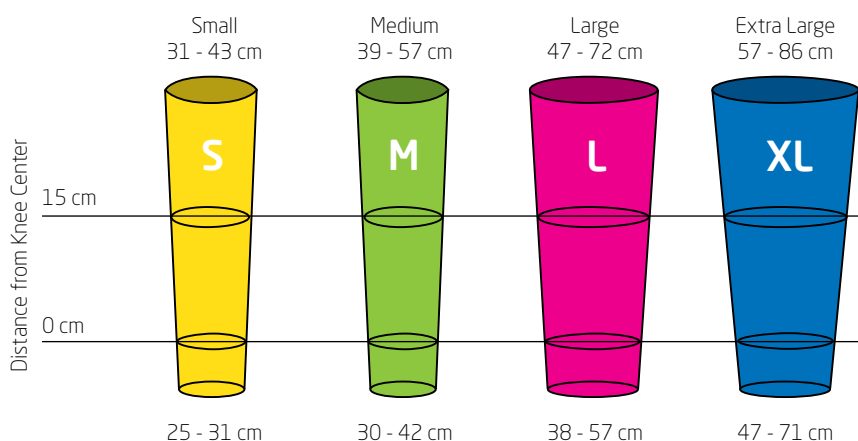
## ◆ LimbLogic® Sleeve

The LimbLogic Sleeve is made from soft yet resilient Alpha Silicone, and is great when combined with elevated vacuum systems or passive suction suspension systems. We recommend it for use with the LimbLogic System.

Its special feature is its two-layer design, consisting of an outer sleeve shell, and a separate inner cuff which is made of highly resilient Alpha Silicone. The inner cuff guarantees a perfect seal around the condyles, while at the same time protecting the outer sleeve shell from friction. The sleeve's high level of elasticity offers great wearing comfort and helps prevent wrinkling especially in the popliteal area.

Total length is about 41 cm.

## LimbLogic® Sleeves are available in four sizes:



### LimbLogic Sleeve, Taupe

REF	Size	Color	Distal Circumference/cm	Proximal Circumference/cm
WW.LLS-CTSM	Small	Taupe	25 - 31	31 - 43
WW.LLS-CTMD	Medium	Taupe	30 - 42	39 - 57
WW.LLS-CTLG	Large	Taupe	38 - 57	47 - 72
WW.LLS-CTXL	Extra Large	Taupe	47 - 71	57 - 86

### LimbLogic Sleeve, Black

REF	Size	Color	Distal Circumference/cm	Proximal Circumference/cm
WW.LLS-CKSM	Small	Black	25 - 31	31 - 43
WW.LLS-CKMD	Medium	Black	30 - 42	39 - 57
WW.LLS-CKLG	Large	Black	38 - 57	47 - 72
WW.LLS-CKXL	Extra Large	Black	47 - 71	57 - 86

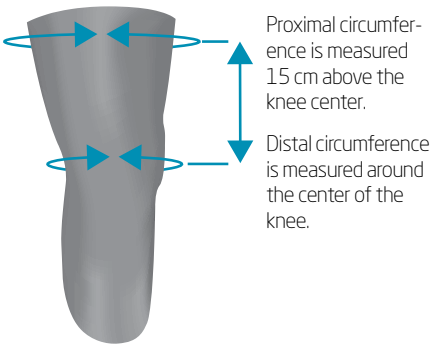


WW.ALS-2XK

◆ Basic Sleeve

The Basic Sleeve is Willow Wood’s sturdy, basic sleeve model. It consists of Alpha Classic Gel, and features a durable fabric cover.

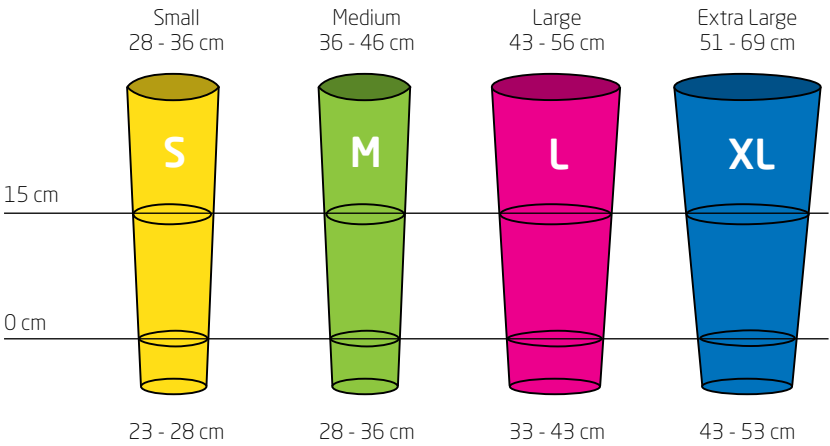
Total length is about 41 cm.



Proximal circumference is measured 15 cm above the knee center.

Distal circumference is measured around the center of the knee.

Basic Sleeves are available in four sizes:



REF	Size	Color	Distal Circumference/cm	Proximal Circumference/cm
WW.ALS-23K	Small	Black	23 - 28	28 - 36
WW.ALS-20K	Medium	Black	28 - 36	36 - 46
WW.ALS-26K	Large	Black	33 - 43	43 - 56
WW.ALS-27K	Extra Large	Black	43 - 53	51 - 69



WW.ALS-6XK

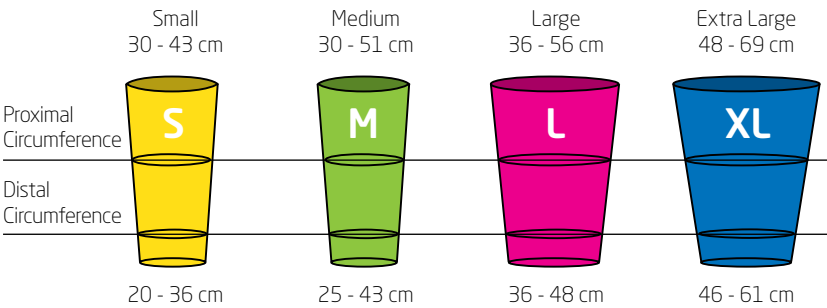
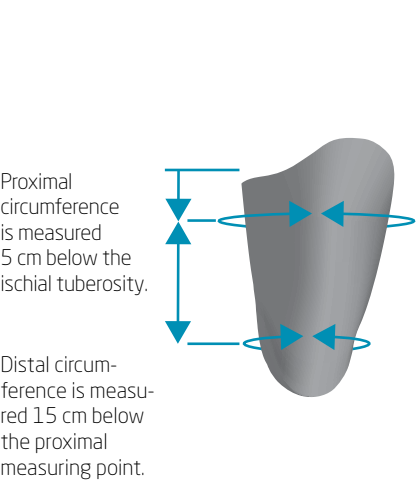
◆ Alpha Hybrid AK Sleeve

The Alpha Hybrid AK Sleeve was designed specifically for transfemoral amputees who use a vacuum suspension system. The sleeve features Hybrid Gel in combination with the same fabric cover as the Alpha Hybrid Sleeve.

Even though it covers a rather small area, the Alpha Hybrid AK Sleeve is highly effective in sealing the suction connection in the proximal area due to its great flexibility.

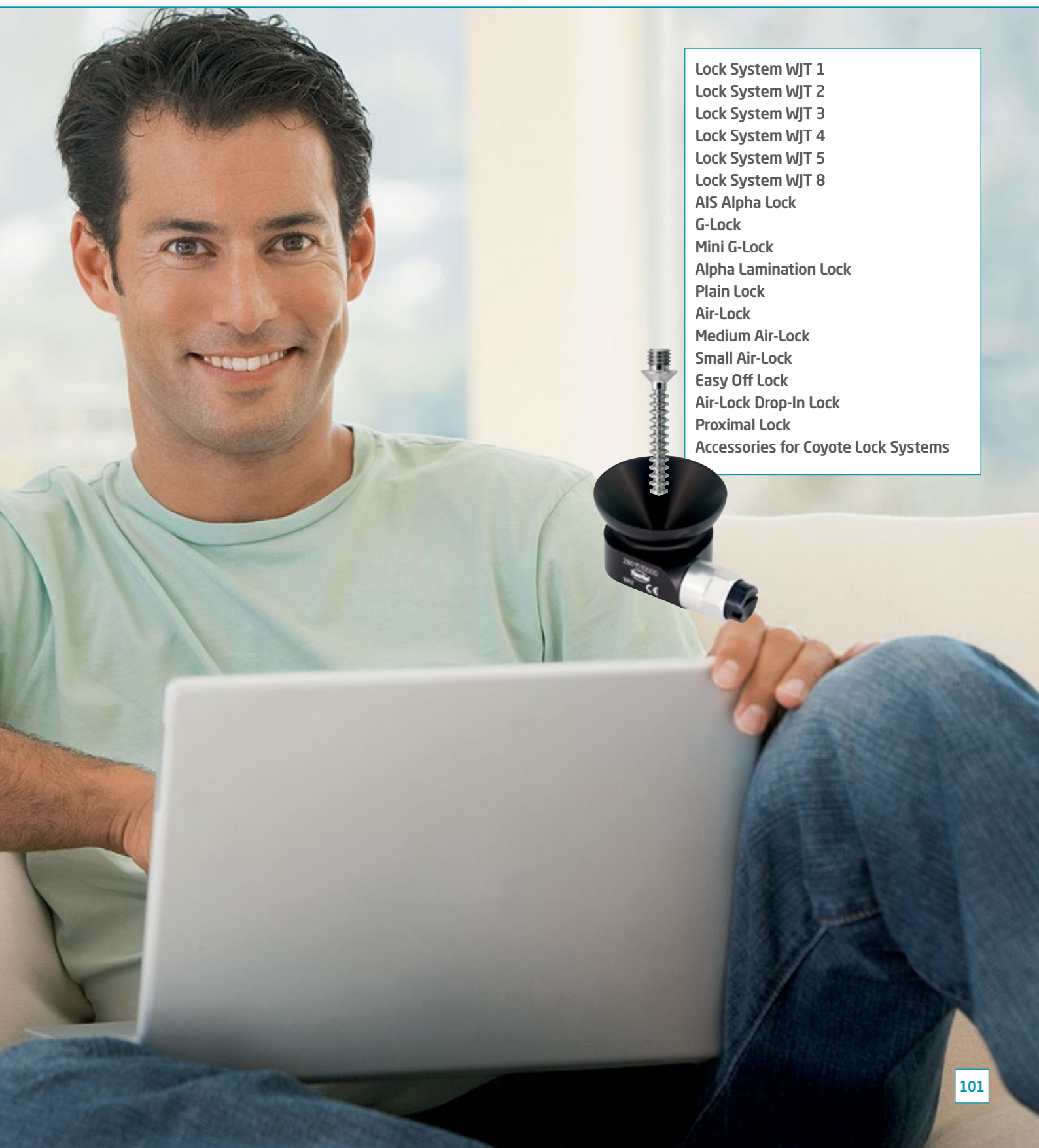
Total length is about 20 cm.

Alpha AK Sleeves are available in four sizes:



REF	Size	Color	Distal Circumference/cm	Proximal Circumference/cm
WW.ALS-63K	Small	Black	20 - 36 cm	30 - 43 cm
WW.ALS-60K	Medium	Black	25 - 43 cm	30 - 51 cm
WW.ALS-66K	Large	Black	36 - 48 cm	36 - 56 cm
WW.ALS-67K	Extra Large	Black	46 - 61 cm	48 - 69 cm

# Lock Systems



Lock System WJT 1  
Lock System WJT 2  
Lock System WJT 3  
Lock System WJT 4  
Lock System WJT 5  
Lock System WJT 8  
AIS Alpha Lock  
G-Lock  
Mini G-Lock  
Alpha Lamination Lock  
Plain Lock  
Air-Lock  
Medium Air-Lock  
Small Air-Lock  
Easy Off Lock  
Air-Lock Drop-In Lock  
Proximal Lock  
Accessories for Coyote Lock Systems

WJT 1



WJT 2



WJT 3



WJT 4



WJT 5



WJT 8



## WJT Lock Systems

The WJT Lock Systems by Teufel create a safe and reliable connection between the liner and the prosthetic socket. They are especially easy to use, both for the amputee and for the orthopedic technician during the installation of the system.

### WJT Lock Systems have especially practical features:

- Uniform pin, suitable for WJT 1-5
- The lock bodies are hard-coated, thus the stainless steel bushing that usually gets glued into the socket is not required
- Replaceable locking mechanism can also be activated under load
- All lock systems are also available in a waterproof version (except for System WJT 8)

### Select the matching system, according to the desired product properties:

- **WJT Clutch Mechanism Lock Systems WJT 1-5:**  
Mechanism locks steplessly via push or pull
- **WJT Shuttle Mechanism Lock System WJT 8:**  
Mechanism locks with steps via push, acoustic signal (click) during donning process

System	Push to Lock	Pull to Lock	Noiseless	With Acoustic Signal	Water-proof	Color Coded (on Release Button)
WJT Clutch Mechanism	x	x	x	-	-	Black
WJT Clutch Mechanism	x	x	x	-	x	Dark Blue
WJT Shuttle Mechanism Series WJT 8	x	-	-	x	-	-



## ◆ Lock System WJT 1

A lock system with a very compact design. Its low construction height of 23 mm and its light weight of 93 g make it also suitable for long residual limbs, i.e. when there is only little available space. It can be used very variably, since the locking unit can be exchanged easily without having to make any other changes to the prosthesis.

It is also available in a waterproof version.



## • Lock System WJT 1 Clutch-Lock



## Properties

- Lightweight
- Space-saving design
- Construction height: 23 mm
- Exchangeable locking mechanism
- Locks noiselessly
- Hard-coated aluminum body
- Easy to unlock under tensile load
- Stepless lock for a secure connection
- No weight limit, the clutch-lock is no load-bearing component
- Suitable for laminated and thermoformed sockets

REF	Product	Construction Height/mm	Weight/g	Diameter/mm	PU/Quantity
28.015.100.00	Clutch-Lock WJT 1 w/ Pin Ø10x50mm	23	93	47	1



## Scope of Delivery

- Lock system incl. pin M10, 50 mm long
- Locking mechanism for clutch-lock system "left-hand thread"
- Lamination dummy kit for Lock System WJT 1
- Lamination cone suitable for pin length 35, 50 and 65 mm
- Stainless steel user key



• Lock System WJT 1 Clutch-Lock, Waterproof



Properties

- Waterproof version
- Lightweight
- Space-saving design
- Construction height: 23 mm
- Exchangeable locking mechanism
- Locks noiselessly
- Hard-coated aluminum body
- Easy to unlock under tensile load
- Stepless lock for a secure connection
- No weight limit, the clutch-lock is no load-bearing component
- Suitable for laminated and thermoformed sockets

REF	Product	Construction Height/mm	Weight/g	Circumference/mm	PU/Quantity
28.015.101.00	Clutch-Lock WJT 1 w/ Pin Ø10x-50mm Wp	23	93	47	1



Scope of Delivery

- Lock system incl. pin M10, 50 mm long
- Locking mechanism for waterproof clutch-lock system "left-hand thread"
- Lamination dummy kit for Lock System WJT 1
- Lamination cone suitable for pin length 35, 50 and 65 mm
- Stainless steel user key



## ◆ Replacement Parts for Lock System WJT 1

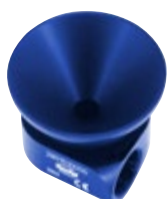
### • Lamination Dummy Kit for Lock System WJT 1

REF	Product	PU/Quantity
28.015.400.00	Lamination Dummy Kit f.Lock System WJT 1	1



### • Body for Clutch-Lock System WJT 1

REF	Product	Color Body	PU/Quantity
28.015.300.00	Body f. Clutch-Lock WJT 1	Black	1



### • Body for Clutch-Lock System WJT 1, Waterproof

REF	Product	Color Body	PU/Quantity
28.015.301.00	Body f. Clutch-Lock WJT 1 Wp	Blue	1



### • Locking Mechanism for Lock Systems WJT 1-5

REF	Product	Color Button	PU/Quantity
28.900.100.00	Locking Mechanism f. Clutch-Lock System WJT 1-5	Black	1



### • Locking Mechanism for Lock Systems WJT 1-5, Waterproof

REF	Product	Color Button	PU/Quantity
28.900.101.00	Locking Mechanism f. Clutch-Lock System WJT 1-5 Wp	Blue	1



### • Stainless Steel User Key for Lock Systems WJT 1-5

REF	Product	PU/Quantity
28.900.300.04	User Key Stainless Steel	1



### • Button for Lock Systems WJT 1-5

REF	Product	PU/Quantity
28.900.300.00	Button f. Locking Mech. f. Clutch-Lock WJT 1-5	1



### • Button for Lock Systems WJT 1-5, Waterproof

REF	Product	PU/Quantity
28.900.301.00	Button f. Locking Mech. f. Clutch-Lock WJT 1-5 Wp	1



### • Geared Pin for Lock Systems WJT 1-5

REF	Product	PU/Quantity
28.900.300.35	Geared Pin Ø10x35mm	1
28.900.300.50	Geared Pin Ø10x50mm	1
28.900.300.65	Geared Pin Ø10x65mm	1
28.900.300.85	Geared Pin Ø10x85mm	1



### • Geared Pin for Lock Systems WJT 1-5, Waterproof

REF	Product	PU/Quantity
28.900.301.35	Geared Pin Ø10x35mm Wp	1
28.900.301.50	Geared Pin Ø10x50mm Wp	1
28.900.301.65	Geared Pin Ø10x65mm Wp	1
28.900.301.85	Geared Pin Ø10x85mm Wp	1



### • Protective Cover for Pin

REF	Product	PU/Quantity
28.900.300.05	Protective Cover f. Pin	1



### • Button Extension for Lock Systems WJT 1-5

#### Properties

- Compatible with the locking mechanism of WJT Lock Systems 1, 2, 3, 4 and 5
- With button cavity
- Can be easily shortened while button cavity remains intact

#### Material

- POM plastic

REF	Product	Length/mm	Circumference/mm	Material	PU/Quantity
28.900.300.02	Button Extension 45mm f. Button Ø21mm Plastic	45	21	Plastic	1



### • Button Extension with Knob for Lock Systems WJT 1-5

#### Properties

- Easy to shorten thanks to predefined cutting lines
- Compatible with locking mechanism of WJT Lock Systems 1, 2, 3, 4 and 5
- Large button/knob, very suitable for geriatric users
- With button cavity
- Button allows for quick and easy donning

#### Material

- Aluminum

REF	Product	Length/mm	Circumference/mm	Material	PU/Quantity
28.900.300.06	Button Extension w/ Knob 70mm	70	16	Aluminum	1



### • Hexagonal Socket Key

REF	Product	PU/Quantity
60.295.000.00	Hexagonal Socket Key 16mm	1



## ◆ Lock System WJT 2

The Lock System WJT 2 is an especially flat lock for modular construction. Its system height is only 30 mm. It is also available in a waterproof version.

The Lock System WJT 2 can be used for thermoformed or laminated sockets.



## • Lock System WJT 2 Clutch-Lock



## Properties

- Modular lock system with 4-hole-connection
- Lightweight
- Construction height: 30 mm
- Exchangeable locking mechanism
- Locks noiselessly
- Hard-coated aluminum body
- Easy to unlock under tensile load
- Stepless lock for a secure connection
- Weight limit: 136 kg
- Suitable for laminated and thermoformed sockets

REF	Product	Construction Height/mm	Weight/g	Weight Limit/kg	PU/ Quantity
28.020.100.00	Clutch-Lock WJT 2 w/ Pin Ø10x50mm	30	190	136	1



## Scope of Delivery

- Lock system incl. pin M10, 50 mm long
- Locking mechanism for clutch-lock system "left-hand thread"
- Laminating / thermoforming plate
- Lamination dummy kit for Lock System WJT 2
- Stainless steel user key



• Lock System WJT 2 Clutch-Lock, Waterproof



Properties

- Waterproof
- Modular lock system with 4-hole-connection
- Lightweight
- Construction height: 30 mm
- Exchangeable locking mechanism
- Locks noiselessly
- Hard-coated aluminum body
- Easy to unlock under tensile load
- Stepless lock for a secure connection
- Weight limit: 136 kg
- Suitable for laminated and thermoformed sockets

REF	Product	Construction Height/mm	Weight/g	Weight Limit/kg	PU/ Quantity
28.020.101.00	Clutch-Lock WJT 2 w/ Pin Ø10x-50mm Wp	30	190	136	1



Scope of Delivery

- Lock system incl. pin M10, 50 mm long
- Locking mechanism for waterproof clutch-lock system "left-hand thread"
- Laminating / thermoforming plate
- Lamination dummy kit for Lock System WJT 2
- Stainless steel user key



## ◆ Replacement Parts for Lock System WJT 2

### • Lamination Dummy Kit for Lock System WJT 2

REF	Product	PU/Quantity
28.020.302.00	Lamin. Dummy Kit f. Lock System WJT 2	1



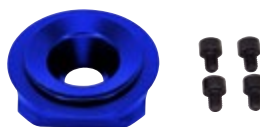
### • Laminating Plate for Lock System WJT 2

#### Scope of Delivery

- Incl. lamination dummy kit for Lock System WJT 2
- Incl. four cylinder head screws M6 x 8 mm



REF	Product	Color Laminating Plate	PU/Quantity
28.020.303.00	Laminating Plate f. Lock System WJT 2	Black	1



### • Laminating Plate for Lock System WJT 2

#### Scope of Delivery

- Incl. lamination dummy kit for Lock System WJT 2
- Incl. four cylinder head screws M6 x 8 mm



REF	Product	Color Laminating Plate	PU/Quantity
28.020.303.10	Laminating Plate f. Lock System WJT 2 Wp	Blue	1



### • Flat Head Screw

REF	Product	Norm	Torque	PU/Quantity
28.020.304.00	Flat Head Screw M6x40	DIN 7991 10.9	12 Nm	4



### • Thermoforming Adapter Ring for Lock System WJT 2

#### Properties

- For stepless compensation between the thermoformed socket and the lock system
- The thermoforming adapter ring allows the pin to steplessly slide into the lock system WJT 2

REF	Product	PU/Quantity
28.020.305.00	Thermoforming Adapter Ring f. Lock System WJT 2	1



### • Body for Clutch-Lock System WJT 2

REF	Product	Color Body	PU/Quantity
28.020.300.00	Body f. Clutch-Lock WJT 2	Black	1



### • Body for Clutch-Lock System WJT 2, Waterproof

REF	Product	Color Body	PU/Quantity
28.020.301.00	Body f. Clutch-Lock WJT 2 Wp	Blue	1



### • Locking Mechanism for Lock Systems WJT 1-5

REF	Product	Color Button	PU/Quantity
28.900.100.00	Locking Mechanism f. Clutch-Lock System WJT 1-5	Black	1



### • Locking Mechanism for Lock Systems WJT 1-5, Waterproof

REF	Product	Color Button	PU/Quantity
28.900.101.00	Locking Mechanism f. Clutch-Lock System WJT 1-5 Wp	Blue	1



### • Stainless Steel User Key for Lock Systems WJT 1-5

REF	Product	PU/Quantity
28.900.300.04	User Key Stainless Steel	1



### • Button for Lock Systems WJT 1-5

REF	Product	PU/Quantity
28.900.300.00	Button f. Locking Mech. f. Clutch-Lock WJT 1-5	1



### • Button for Lock Systems WJT 1-5, Waterproof

REF	Product	PU/Quantity
28.900.301.00	Button f. Locking Mech. f. Clutch-Lock WJT 1-5 Wp	1



### • Geared Pin for Lock Systems WJT 1-5

REF	Product	PU/Quantity
28.900.300.35	Geared Pin Ø10x35mm	1
28.900.300.50	Geared Pin Ø10x50mm	1
28.900.300.65	Geared Pin Ø10x65mm	1



### • Geared Pin for Lock Systems WJT 1-5, Waterproof

REF	Product	PU/Quantity
28.900.301.35	Geared Pin Ø10x35mm Wp	1
28.900.301.50	Geared Pin Ø10x50mm Wp	1
28.900.301.65	Geared Pin Ø10x65mm Wp	1



### • Protective Cover for Pin

REF	Product	PU/Quantity
28.900.300.05	Protective Cover f. Pin	1



### • Button Extension for Lock Systems WJT 1-5

#### Properties

- Compatible with the locking mechanism of WJT Lock Systems 1, 2, 3, 4 and 5
- With button cavity
- Can be easily shortened while button cavity remains intact

#### Material

- POM plastic

REF	Product	Length/mm	Circumference/mm	Material	PU/Quantity
28.900.300.02	Button Extension 45mm f. Button Ø21mm Plastic	45	21	Plastic	1



### • Button Extension with Knob for Lock Systems WJT 1-5

#### Properties

- Easy to shorten thanks to predefined cutting lines
- Compatible with the locking mechanism of WJT Lock Systems 1, 2, 3, 4 and 5
- Large button/knob, very suitable for geriatric users
- With button cavity
- Button allows for quick and easy donning

#### Material

- Aluminum

REF	Product	Length/mm	Circumference/mm	Material	PU/Quantity
28.900.300.06	Button Extension w/ Knob 70mm	70	16	Aluminum	1

### • Hexagonal Socket Key

REF	Product	PU/Quantity
60.295.000.00	Hexagonal Socket Key 16mm	1





### ◆ Lock System WJT 3

The Lock System WJT 3 is a versatile, combined system with a distal pyramid and a proximal 3-prong adapter.

It is especially suitable for AK and BK prostheses with large distal circumferences.

It is also available in a waterproof version.



### • Lock System WJT 3 Clutch-Lock



#### Properties

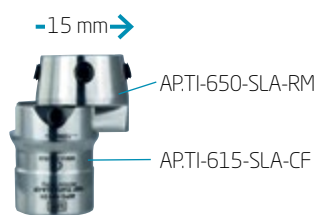
- Especially suitable for AK and BK prostheses with large distal stump circumferences
- Construction height: 33 mm
- Exchangeable locking mechanism
- Locks noiselessly
- Hard-coated aluminum body
- Easy to unlock under tensile load
- Stepless lock for a secure connection
- Suitable for laminated and thermoformed sockets
- Weight limit: 125 kg

REF	Product	Construction Height/mm	Weight/g	Weight Limit/kg	Circumference/mm	PU/Quantity
28.040.100.00	Clutch-Lock WJT 3 w/ Pin Ø10x50mm	33	160	125	36	1

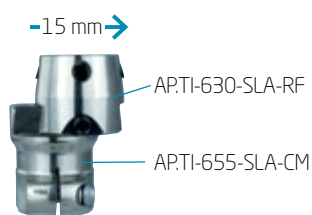


#### Scope of Delivery

- Lock system incl. pin M10, 50 mm long
- Locking mechanism for clutch-lock system "left-hand thread"
- 3-prong adapter REF APSS-800BASE
- Stainless steel user key



Configuration Example



Configuration Example

## • Slide Adapter System



We recommend using this dovetail system during the fitting process when determining the optimum limb position.

## Material

- Titanium

## Properties

- Slide adapter system, individually combinable components
- Two matching adapters can be combined at any one time

## Version

- REF APTI-650-SLA-RM with pyramid receiver
- REF APTI-615-SLA-CF with pyramid receiver
- REF APTI-630-SLA-RF with pyramid receiver
- REF APTI-655-SLA-CM with pylon receiver adapter Ø30 mm

REF	Construction Height/mm	Weight/g	Weight Limit/kg	Material	Scope of Delivery (Screws)		Torque
APTI-650-SLA-RM	17	99	100	Titanium	DIN 913 DIN 913 ISO 10642 10.9	4x M8x16 2x M8x12 1x M6x16	15 Nm 15 Nm 15 Nm
APTI-615-SLA-CF	18	102	100	Titanium	DIN 913 DIN 912 12.9	2x M8x12 2x M8x16 1x M5x20 1x Spring Washer M5	15 Nm 15 Nm 9 Nm
APTI-630-SLA-RF	32	94	100	Titanium	DIN 913 DIN 913	4x M8x16 4x M8x12	15 Nm
APTI-655-SLA-CM	18	96	100	Titanium	DIN 912 12.9 DIN 912 12.9	1x M5x20 1x M6x16 1x Spring Washer M5	9 Nm 9 Nm



## • Lock System WJT 3 Clutch-Lock, Waterproof



### Properties

- Waterproof
- Especially suitable for AK and BK prostheses with large distal stump circumferences
- Construction height: 33 mm
- Exchangeable locking mechanism
- Locks noiselessly
- Hard-coated aluminum body
- Easy to unlock under tensile load
- Stepless lock for a secure connection
- Suitable for laminated and thermoformed sockets
- Weight limit: 125 kg

REF	Product	Construction Height/mm	Weight/g	Weight Limit/kg	Circumference/mm	PU/Quantity
28.040.101.00	Clutch-Lock WJT 3 m. Pin Ø10x50mm W	33	160	125	36	1



### Scope of Delivery

- Lock system incl. pin M10, 50 mm long
- Locking mechanism for waterproof clutch-lock system "left-hand thread"
- 3-prong adapter REF AP.SS-800BASE-W
- Stainless steel user key



## ◆ Replacement Parts for Lock System WJT 3

### • Body for Clutch-Lock System WJT 3

REF	Product	Color/Body	PU/Quantity
28.040.300.00	Body f. Clutch-Lock WJT 3	Black	1



### • Body for Clutch-Lock System WJT 3, Waterproof

REF	Product	Color/Body	PU/Quantity
28.040.301.00	Body f. Clutch-Lock WJT 3 Wp	Blue	1



### • 3-Prong Adapter, Rotatable, Female Thread M36

#### Scope of Delivery

- Cylinder head screw DIN 912 12.9 M6x20
- Laminating dummy

#### Material

- Stainless steel

REF	Construction Height/mm	Weight/g	Weight Limit/kg	Torque	PU/Quantity
AP.SS-800BASE	12	123	136	15 Nm	1



### • 3-Prong Adapter, Rotatable, Female Thread M36, Waterproof

#### Scope of Delivery

- Cylinder head screw REF 70.717.620.06 DIN 912 12.9 M6x20 titanium
- Laminating dummy

#### Material

- Stainless steel

REF	Construction Height/mm	Weight/g	Weight Limit/kg	Torque	PU/Quantity
AP.SS-800BASE-W	12	123	136	15 Nm	1



### • Locking Mechanism for Lock Systems WJT 1-5

REF	Product	Color/Button	PU/Quantity
28.900.100.00	Locking Mechanism f. Clutch-Lock System WJT 1-5	Black	1



### • Locking Mechanism for Lock Systems WJT 1-5, Waterproof

REF	Product	Color/Button	PU/Quantity
28.900.101.00	Locking Mechanism f. Clutch-Lock System WJT 1-5 Wp	Blue	1



### • Stainless Steel User Key for Lock Systems WJT 1-5

REF	Product	PU/Quantity
28.900.300.04	User Key Stainless Steel	1



### • Button for Lock Systems WJT 1-5

REF	Product	PU/Quantity
28.900.300.00	Button f. Locking Mech. f. Clutch-Lock WJT 1-5	1



### • Button for Lock Systems WJT 1-5, Waterproof

REF	Product	PU/Quantity
28.900.301.00	Button f. Locking Mech. f. Clutch-Lock WJT 1-5 Wp	1



### • Geared Pin for Lock Systems WJT 1-5

REF	Product	PU/Quantity
28.900.300.35	Geared Pin Ø10x35mm	1
28.900.300.50	Geared Pin Ø10x50mm	1
28.900.300.65	Geared Pin Ø10x65mm	1



### • Geared Pin for Lock Systems WJT 1-5, Waterproof

REF	Product	PU/Quantity
28.900.301.35	Geared Pin Ø10x35mm Wp	1
28.900.301.50	Geared Pin Ø10x50mm Wp	1
28.900.301.65	Geared Pin Ø10x65mm Wp	1



### • Protective Cover for Pin

REF	Product	PU/Quantity
28.900.300.05	Protective Cover f. Pin	1



### • Button Extension for Lock Systems WJT 1-5

#### Properties

- Compatible with the locking mechanism of WJT Lock Systems 1, 2, 3, 4 and 5
- With button cavity
- Can be easily shortened while button cavity remains intact

#### Material

- POM plastic

REF	Product	Length/mm	Circumference/mm	Material	PU/Quantity
28.900.300.02	Button Extension 45mm f. Button Ø21mm Plastic	45	21	Plastic	1



### • Button Extension with Knob for Lock Systems WJT 1-5

#### Properties

- Easy to shorten thanks to predefined cutting lines
- Compatible with the locking mechanism of WJT Lock Systems 1, 2, 3, 4 and 5
- Large button/knob, very suitable for geriatric users
- With button cavity
- Button allows for quick and easy donning

#### Material

- Aluminum

REF	Product	Length/mm	Circumference/mm	Material	PU/Quantity
28.900.300.06	Button Extension w/ Knob 70mm	70	16	Aluminum	1



### • Hexagonal Socket Key

REF	Product	PU/Quantity
60.295.000.00	Hexagonal Socket Key 16mm	1



## ◆ Lock System WJT 4

The Lock System WJT 4 is a versatile, combined system with a distal pyramid receiver and a proximal 3-prong adapter.

It is especially suitable for AK prostheses and BK prostheses with large distal circumferences.

It is also available in a waterproof version.



## • Lock System WJT 4 Clutch-Lock



### Properties

- Especially suitable for AK and BK prostheses with large distal stump circumferences
- Construction height: 75 mm
- Exchangeable locking mechanism
- Locks noiselessly
- Hard-coated aluminum body
- Easy to unlock under tensile load
- Stepless lock for a secure connection
- Suitable for laminated and thermoformed sockets
- Weight limit: 125 kg

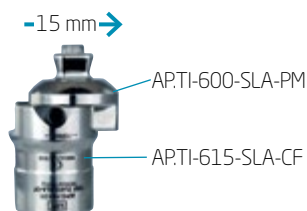
REF	Product	Construction Height/mm	Weight/g	Weight Limit/kg	Circumference/mm	PU/Quantity
28.045.100.00	Clutch-Lock WJT 4 w/ Pin Ø10x35mm	75	190	125	36	1



### Scope of Delivery

- Lock system incl. pin M10, 35 mm long
- Locking mechanism for clutch-lock system "left-hand thread"
- 3-prong adapter REF APSS-800BASE
- Stainless steel user key

## • Slide Adapter System



Configuration Example

We recommend using this dovetail system during the fitting process when determining the optimum limb position.

### Material

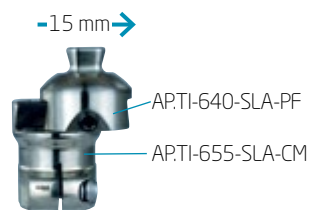
- Titanium

### Properties

- Slide adapter system, individually combinable components
- Two matching adapters can be combined at any one time

### Version

- REF AP.TI-600-SLA-PM with pyramid
- REF AP.TI-615-SLA-CF with pyramid receiver
- REF AP.TI-640-SLA-PF with pyramid
- REF AP.TI-655-SLA-CM with pylon receiver adapter, Ø30 mm



Configuration Example

REF	Construction Height/mm	Weight/g	Weight Limit/kg	Material	Scope of Delivery (Screws)		Torque
AP.TI-600-SLA-PM	18	88	100	Titanium	DIN 912 8.8	1x M6x30	15 Nm
AP.TI-615-SLA-CF	18	102	100	Titanium	DIN 913 DIN 912 12.9	2x M8x12 2x M8x16 1x M5x20 1x Spring Washer M5	15 Nm 15 Nm 9 Nm
AP.TI-640-SLA-PF	20	91	100	Titanium	DIN 913	2x M8x12	15 Nm
AP.TI-655-SLA-CM	18	96	100	Titanium	DIN 912 12.9 DIN 912 12.9	1x M5x20 1x M6x16 1x Spring Washer M5	9 Nm 9 Nm



• Lock System WJT 4 Clutch-Lock, Waterproof



Properties

- Waterproof
- Especially suitable for AK and BK prostheses with large distal stump circumferences
- Construction height: 75 mm
- Exchangeable locking mechanism
- Locks noiselessly
- Hard-coated aluminum body
- Easy to unlock under tensile load
- Stepless lock for a secure connection
- Suitable for laminated and thermoformed sockets
- Weight limit: 125 kg

REF	Product	Construction Height/mm	Weight/g	Weight Limit/kg	Circumference/mm	PU/Quantity
28.045.101.00	Clutch-Lock WJT 4 w/ Pin Ø10x35mm Wp	75	190	125	36	1



Scope of Delivery

- Lock system incl. pin M10, 35 mm long
- Locking mechanism for waterproof clutch-lock system “left-hand thread”
- 3-prong adapter REF AP.SS-800BASE-W
- Stainless steel user key



## ◆ Replacement Parts for Lock System WJT 4

### • Body for Clutch-Lock System

REF	Product	Color/Body	PU/Quantity
28.045.300.00	Body f. Clutch-Lock WJT 4	Black	1



### • Body for Clutch-Lock System WJT 4, Waterproof

REF	Product	Color/Body	PU/Quantity
28.045.301.00	Body f. Clutch-Lock WJT 4 Wp	Blue	1



### • 3-Prong Adapter, Rotatable, Female Thread M36

#### Scope of Delivery

- Cylinder head screw DIN 912 12.9 M6x20
- Laminating dummy

#### Material

- Stainless steel

REF	Construction Height/mm	Weight/g	Weight Limit/kg	Torque	PU/Quantity
AP.SS-800BASE	12	123	136	15 Nm	1



### • 3-Prong Adapter, Rotatable, Female Thread M36, Waterproof

#### Scope of Delivery

- Cylinder head screw REF 70.717.620.06 DIN 912 12.9 M6x20 titanium
- Laminating dummy

#### Material

- Stainless steel

REF	Construction Height/mm	Weight/g	Weight Limit/kg	Torque	PU/Quantity
AP.SS-800BASE-W	12	123	136	15 Nm	1

### • Locking Mechanism for Lock Systems WJT 1-5



REF	Product	Color/Button	PU/Quantity
28.900.100.00	Locking Mechanism f. Clutch-Lock System WJT 1-5	Black	1



### • Locking Mechanism for Lock Systems WJT 1-5, Waterproof

REF	Product	Color/Button	PU/Quantity
28.900.101.00	Locking Mechanism f. Clutch-Lock System WJT 1-5 Wp	Blue	1



### • Stainless Steel User Key for Lock Systems WJT 1-5

REF	Product	PU/Quantity
28.900.300.04	User Key Stainless Steel	1



### • Button for Lock Systems WJT 1-5

REF	Product	PU/Quantity
28.900.300.00	Button f. Locking Mech. f. Clutch-Lock WJT 1-5	1



### • Button for Lock Systems WJT 1-5, Waterproof

REF	Product	PU/Quantity
28.900.301.00	Button f. Locking Mech. f. Clutch-Lock WJT 1-5 Wp	1



### • Geared Pin for Lock Systems WJT 1-5

REF	Product	PU/Quantity
28.900.300.35	Geared Pin Ø10x35mm	1



### • Geared Pin for Lock Systems WJT 1-5, Waterproof

REF	Product	PU/Quantity
28.900.301.35	Geared Pin Ø10x35mm Wp	1



### • Protective Cover for Pin

REF	Product	PU/Quantity
28.900.300.05	Protective Cover f. Pin	1



### • Button Extension for Lock Systems WJT 1-5

#### Properties

- Compatible with the locking mechanism of WJT Lock Systems 1, 2, 3, 4 and 5
- With button cavity
- Can be easily shortened while button cavity remains intact

#### Material

- POM plastic

REF	Product	Length/mm	Circumference/mm	Material	PU/Quantity
28.900.300.02	Button Extension 45mm f. Button Ø21mm Plastic	45	21	Plastic	1



### • Button Extension with Knob for Lock Systems WJT 1-5

#### Properties

- Easy to shorten thanks to predefined cutting lines
- Compatible with the locking mechanism of WJT Lock Systems 1, 2, 3, 4 and 5
- Large button/knob, very suitable for geriatric users
- With button cavity
- Button allows for quick and easy donning

#### Material

- Aluminum

REF	Product	Length/mm	Circumference/mm	Material	PU/Quantity
28.900.300.06	Button Extension w/ Knob 70mm	70	16	Aluminum	1



### • Hexagonal Socket Key

REF	Product	PU/Quantity
60.295.000.00	Hexagonal Socket Key 16mm	1



◆ Lock System WJT 5

The Lock System WJT 5 is designed like a classic lock with a distal pyramid.

One of its most compelling features is a time-saving installation method.

It is also available in a waterproof version.



• Lock System WJT 5 Clutch-Lock



Properties

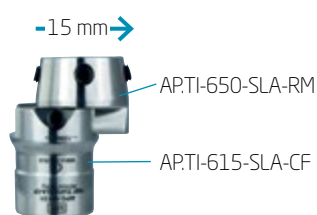
- Time-saving installation method
- Construction height: 38 mm
- Exchangeable locking mechanism
- Locks noiselessly
- Hard-coated aluminum body
- Easy to unlock under tensile load
- Stepless lock for a secure connection
- Suitable for laminated and thermoformed sockets
- Weight limit: 125 kg

REF	Product	Construction Height/mm	Weight/g	Weight Limit/kg	Circumference/mm	PU/Quantity
28.050.100.00	Clutch-Lock WJT 5 w/Pin Ø10x50mm	38	175	125	47	1

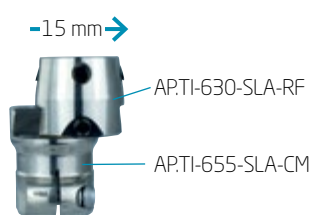


Scope of Delivery

- Lock system incl. pin M10, 50 mm long
- Locking mechanism for clutch-lock system "left-hand thread"
- Lamination dummy kit for Lock System WJT 5
- Stainless steel user key



Configuration Example



Configuration Example

## • Slide Adapter System



We recommend using this dovetail system during the fitting process when determining the optimum limb position.

## Material

- Titanium

## Properties

- Slide-adapter system, individually combinable components
- Two matching adapters can be combined at any one time

## Version

- REF AP.TI-650-SLA-RM with pyramid receiver
- REF AP.TI-615-SLA-CF with pyramid receiver
- REF AP.TI-630-SLA-RF with pyramid receiver
- REF AP.TI-655-SLA-CM with pylon receiver adapter Ø30 mm

REF	Construction Height/mm	Weight/g	Weight Limit/kg	Material	Scope of Delivery (Screws)		Torque
AP.TI-650-SLA-RM	17	99	100	Titanium	DIN 913 DIN 913 ISO 10642 10.9	4x M8x16 2x M8x12 1x M6x16	15 Nm 15 Nm 15 Nm
AP.TI-615-SLA-CF	18	102	100	Titanium	DIN 913 DIN 912 12.9	2x M8x12 2x M8x16 1x M5x20 1x Spring Washer M5	15 Nm 15 Nm 9 Nm
AP.TI-630-SLA-RF	32	94	100	Titanium	DIN 913 DIN 913	4x M8x16 4x M8x12	15 Nm
AP.TI-655-SLA-CM	18	96	100	Titanium	DIN 912 12.9 DIN 912 12.9	1x M5x20 1x M6x16 1x Spring Washer M5	9 Nm 9 Nm



• Lock System WJT 5 Clutch-Lock, Waterproof



Properties

- Waterproof
- Time-saving installation method
- Construction height: 38 mm
- Exchangeable locking mechanism
- Locks noiselessly
- Hard-coated aluminum body
- Easy to unlock under tensile load
- Stepless lock for a secure connection
- Suitable for laminated and thermoformed sockets
- Weight limit: 125 kg

REF	Product	Construction Height/mm	Weight/g	Weight Limit/kg	Circumference/mm	PU/Quantity
28.050.101.00	Clutch-Lock WJT 5 w/ Pin Ø10x50mm Wp	38	175	125	47	1



Scope of Delivery

- Lock system incl. pin M10, 50 mm long
- Locking mechanism for waterproof clutch-lock system "left-hand thread"
- Lamination dummy kit for Lock System WJT 5
- Stainless steel user key



## ◆ Replacement Parts for Lock System WJT 5

### • Lamination Dummy Kit for Lock System WJT 5

REF	Product	PU/Quantity
28.050.400.00	Lamination Dummy f. Lock System WJT 5	1
28.050.303.00	Lamination/Thermoforming Dummy w/ Hole f. WJT 5	1

### • Body for Clutch-Lock System WJT 5

REF	Product	Color Body	PU/Quantity
28.050.300.00	Body f. Clutch-Lock WJT 5	Black	1

### • Body for Clutch-Lock System WJT 5, Waterproof

REF	Product	Color Body	PU/Quantity
28.050.301.00	Body f. Clutch-Lock WJT 5 Wp	Blue	1

### • O-Rings for Lock System WJT 5

REF	Product	PU/Quantity
28.050.302.00	O-Rings f. Lock System WJT 5 PU: 2pcs	2

### • Locking Mechanism for Lock Systems WJT 1-5

REF	Product	Color Button	PU/Quantity
28.900.100.00	Locking Mechanism f. Clutch-Lock System WJT 1-5	Black	1

### • Locking Mechanism for Lock Systems WJT 1-5, Waterproof

REF	Product	Color Button	PU/Quantity
28.900.101.00	Locking Mechanism f. Clutch-Lock System WJT 1-5 Wp	Blue	1

### • Stainless Steel User Key WJT 1-5

REF	Product	PU/Quantity
28.900.300.04	User Key Stainless Steel	1

### • Button for Lock Systems WJT 1-5

REF	Product	PU/Quantity
28.900.300.00	Button f. Locking Mech. f. Clutch-Lock WJT 1-5	1

### • Button for Lock Systems WJT 1-5, Waterproof

REF	Product	PU/Quantity
28.900.301.00	Button f. Locking Mech. f. Clutch-Lock WJT 1-5 Wp	1



### • Geared Pin for Lock Systems WJT 1-5

REF	Product	PU/Quantity
28.900.300.35	Geared Pin Ø10x35mm	1
28.900.300.50	Geared Pin Ø10x50mm	1
28.900.300.65	Geared Pin Ø10x65mm	1

### • Geared Pin for Lock Systems WJT 1-5, Waterproof

REF	Product	PU/Quantity
28.900.301.35	Geared Pin Ø10x35mm Wp	1
28.900.301.50	Geared Pin Ø10x50mm Wp	1
28.900.301.65	Geared Pin Ø10x65mm Wp	1

### • Protective Cover for Pin

REF	Product	PU/Quantity
28.900.300.05	Protective Cover f. Pin	1

### • Button Extension for Lock Systems WJT 1-5

#### Properties

- Compatible with the locking mechanism of WJT Lock Systems 1, 2, 3, 4 and 5
- With button cavity
- Can be easily shortened while button cavity remains intact

#### Material

- POM plastic

REF	Product	Length/mm	Circumference/mm	Material	PU/Quantity
28.900.300.02	Button Extension 45mm f. Button Ø21mm Plastic	45	21	Plastic	1

### • Button Extension with Knob for Lock Systems WJT 1-5

#### Properties

- Easy to shorten thanks to predefined cutting lines
- Compatible with the locking mechanism of WJT Lock Systems 1, 2, 3, 4 and 5
- Large button/knob, very suitable for geriatric users
- With button cavity
- Button allows for quick and easy donning

#### Material

- Aluminum

REF	Product	Length/mm	Circumference/mm	Material	PU/Quantity
28.900.300.06	Button Extension w/ Knob 70mm	70	16	Aluminum	1

### • Hexagonal Socket Key

REF	Product	PU/Quantity
60.295.000.00	Hexagonal Socket Key 16mm	1

◆ Lock System WJT 8

The Lock System WJT 8 is a classic shuttle-lock with a simple design. Its compelling features are its light weight and low construction height. The central plastic screw makes it possible to remove the body from the prosthetic socket.



• Shuttle-Lock WJT 8



Properties

- Very lightweight
- Construction height: 25 mm
- Locks with audible signal
- Plastic body
- Length of release button can be adjusted from 40 - 60 mm
- For laminating
- Combination with lanyard is possible
- Weight limit: 125 kg

REF	Product	Construction Height/mm	Weight/g	Weight Limit/kg	Circumference/mm	PU/Quantity
28.070.100.00	Shuttle-Lock WJT 8 w/ Pin Ø10x-38mm	25	60	125	36	1



Scope of Delivery

- Shuttle-lock system incl. pin with continuous vertical drill hole, M10, 38 mm long
- Mounting plate
- Kit includes plastic tube and sealing disk for foaming

## ◆ Replacement Parts for Lock System WJT 8

Pin with continuous vertical drill hole, for use with lanyard cord for Lock System WJT 8.



REF	Product	PU/Quantity
28.070.304.38	Pin Ø10x38mm f. Lock System WJT 8	1



REF	Product	PU/Quantity
28.900.700.02	Body f. Lock System WJT 8	1



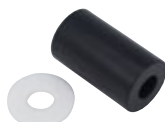
REF	Product	PU/Quantity
28.900.700.04	Mounting Plate f. Lock System WJT 8	1



REF	Product	PU/Quantity
28.900.700.03	Release Button Kit f. Lock System WJT 8	1



REF	Product	PU/Quantity
28.900.700.01	Lanyard Cord f. Lock System WJT 8	1



REF	Product	PU/Quantity
28.900.700.05	Plastic Tube f. Lock System WJT 8	1



REF	Product	PU/Quantity
28.900.700.06	Lamination Dummy Kit f. Lock System WJT 8	1



WW.700-AIS48X



Delivery Includes

### ◆ AIS Alpha Lock

The original Alpha Lock is a pin system based on the AIS System by WillowWood. The system makes it possible to interchange suspension methods without having to change the distal adapter on the socket.

The Alpha Lock is a clutch-lock system which allows for the socket to be donned in one continuous motion. A special feature is the built-in one-way expulsion air valve through which excessive air can be released distally.



max. 115 kg

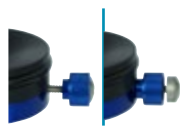
REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes
<b>WW.700-AIS480</b>	AIS Version Alpha-Lock Clutch-Lock	22	220	61	115	Lamination Dummy Set
<b>WW.700-AIS481</b>	AIS Version Alpha-L.Clutch-L. w/ Ti.Pyr.	34	276	61	115	Lamination Dummy Set
<b>Optional Accessories</b>						
<b>WW.700-AIS102</b>	AIS Distal Adapter w/ Fabrication Post					
<b>WW.700-AIS482</b>	Pin Ø10x34mm f. AIS Alpha-Lock Clutch-L.					
<b>WW.700-AIS483</b>	AIS Hardware Kit					
<b>WW.700-AIS484</b>	AIS One-Way-Valve f. Distal Adapter					
<b>WW.700-AIS488</b>	Pin Ø10x51mm f. AIS Alpha-Lock Clutch-L.					
<b>WW.700-AIS489</b>	AIS O-Ring Gasket PU: 10pcs					
<b>WW.700-AIS492</b>	AIS Alpha Lock Body					



WW.700-GL48X

### ◆ G-Lock

The G-Lock is a shuttle-lock system. The lock's drop-in design makes it possible to secure the locking pin within the locking unit even when the pin is inserted into the lock at a crooked angle. This makes the system easy to use even for amputees with a manual disability. The release button features a button retention device which secures the release mechanism against any accidental activation. A special feature is the built-in one-way expulsion air valve through which excessive air can be released distally.

Fabrication Dummy  
for LaminatingButton Retention  
Device Open/Closed

max. 115 kg

REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes
<b>WW.700-GL480</b>	G-Lock Shuttle-Lock w/ Pin Ø10x38mm	25	160	64	115	Select Fabrication Dummy Separately
<b>WW.700-GL481</b>	G-Lock Shuttle-Lock w/ Pyr.&Pin Ø10x38mm	37	216	64	115	Select Fabrication Dummy Separately
<b>Optional Accessories</b>						
<b>WW.700-GL482</b>	Pin Ø10x38mm f. WW.700-GL480					
<b>WW.700-GL488</b>	Pin Ø10x51mm f. WW.700-GL480					
<b>WW.700-GL491</b>	G-Lock Dummy f. Laminating					
<b>WW.700-GL492</b>	G-Lock Dummy f. Thermoforming					



WW.700-MGL480

◆ Mini G-Lock

The Mini G-Lock is the ideal shuttle-lock system for upper extremities and pediatric prostheses. It is exceptionally lightweight. Like the G-Lock, it features a button retention device which secures the release mechanism against accidental activation.



REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes
WW.700-MGL480	Mini G-Lock Shuttle-L. w/ Pin Ø6.35x38mm	29	73	35.5	60	Lamination Dummy Set
Optional Accessories						
WW.700-MGL491	Mini G-Lock Laminating Dummy					
WW.700-MGL482	Pin Ø6.35x38mm f. WW.700-MGL480					
WW.700-MGL488	Pin Ø6.35x51mm f. WW.700-MGL480					

## ◆ Alpha Lamination Lock



WW.700-AL60X



max. 160 kg

Lamination  
Dummy Included

REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes
<b>WW.700-AL600</b>	Alpha Lam. Clutch-Lock w/ Pin Ø10x38mm	42	155	41.5	160	Lamination Dummy Set
<b>WW.700-AL601</b>	Alpha Lam.Clutch-L. w/ Pyr.&PinØ10x38mm	54	211	41.5	160	Lamination Dummy Set
<b>Optional Accessories</b>						
<b>WW.700-AL602</b>	Locking Mechanism f. WW.700-AL600					
<b>WW.700-AL603</b>	Alpha Lamination Lock Attachment Plate					
<b>WW.700-AIS482</b>	Pin Ø10x34mm f. AIS Alpha-Lock Clutch-L.					
<b>WW.700-AIS488</b>	Pin Ø10x51mm f. AIS Alpha-Lock Clutch-L.					



OE.3LK60X

### ◆ Plain Lock

The Plain Lock is a very lightweight shuttle-lock system with a plastic body. It is available with two different diameters (36 mm and 50 mm) and can be directly laminated into the socket.



max. 125 kg



REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes
<b>OE.3LK603</b>	Plain-L.Shuttle-L. Ø36mm w/ Pin Ø10x62mm	38	85	36	125	Lamination Dummy Set
<b>OE.3LK604</b>	Plain-L.Shuttle-L. Ø50mm w/ Pin Ø10x47mm	40	95	50	125	Lamination Dummy Set
<b>Optional Accessories</b>						
<b>OE.3LK508</b>	Pin Ø10x47mm f. Plain-Lock Shuttle-Lock					
<b>OE.3LK518</b>	Pin Ø10x62mm f. Plain-Lock Shuttle-Lock					
<b>OE.9CS044</b>	Locking Mechanism f. Plain Lock					
<b>OE.PD05301</b>	Plunger f. Plain Lock					

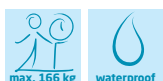
## Coyote Lock Systems

Robust, lightweight and waterproof. Lock systems by Coyote Design offer smart solutions, simple installation for the orthopedic technician and easy handling for the user. Their special feature: Both the lock and the pin are made of tempered plastic which makes the connection between pin and locking mechanism very resistant to wear and tear. All Coyote Design locks are very lightweight and also approved for use in prostheses that will be used in fresh water.

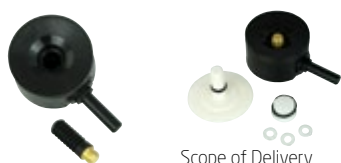
### ◆ Air-Lock



CD.103/CD.103D



The classic Coyote Design Air-Lock is a shuttle-lock system with a sealed lock body, for additional moderate vacuum. A fabrication dummy for lamination and thermoforming is included.



Scope of Delivery

REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes
CD.103	Air-Lock Shuttle m. Pin Ø10x33mm	34,3	84	57.4	166	Dummy Set
CD.103D	Air-Lock Shuttle m. Pin Ø10x42mm	43,3	88	57.4	166	Dummy Set
Required Accessories						
CD.103AF	4-Hole Alignable Connector					
CD.111	4-Hole Connector w/ Tie Off Ring					
CD.115CF5	4-Hole Connector w/ 5° Flexion					
FT.60SL50	Coyote Quick Adhesive Kit					
FT.1ML50	PLUSeries Kit Black 50ml					
FT.G50	PLUSeries 50ml Dispensing Gun					
Optional Accessories						
CD.103MDI	Air-Lock Multi-Direction Insert					
CD.103SDI	Air-Lock Single-Direction Insert					
CD.103FD	Air-Lock Thermoforming Dummy					
CD.103P8	Pin Ø10x33mm f. Air-Lock Shuttle-Lock					
CD.103P11	Pin Ø10x42mm f. Air-Lock Shuttle-Lock					
CD.103WH	Air-Lock Wrench					
CD.103SG	Air-Lock&Small Air-Lock Springs PU: 3pcs					
CD.103LP	Air-Lock Locking Peg&Springs					
CD.103RB	Air-Lock&Small Air-Lock Release Button					



CD.103MX



Scope of Delivery

## ◆ Medium Air-Lock

The Medium Air-Lock is the medium sized design of the Air-Lock product family. It is ideally suited for cases where the Air-Lock is too big, but the Small Air-Lock's contact area for the liner umbrella is too small.

A fabrication dummy for lamination and thermoforming is included.



REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes
CD.103M	Med. Air-Lock Shuttle-L. w/ Pin Ø10x33mm	33	57	47	120	Dummy Set
CD.103MD	Medium Air-Lock Shuttle w/ Pin Ø10x42mm	42	57	47	120	Dummy Set
Required Accessories						
CD.103AF	4-Hole Alignable Connector					
CD.111	4-Hole Connector w/ Tie Off Ring					
CD.115CF5	4-Hole Connector w/ 5° Flexion					
FT.60SL50	Coyote Quick Adhesive Kit					
FT.1ML50	PLUSeries Kit Black 50ml					
FT.G50	PLUSeries 50ml Dispensing Gun					
Optional Accessories						
CD.103MDI	Air-Lock Multi-Direction Insert					
CD.103SDI	Air-Lock Single-Direction Insert					
CD.103P8	Pin Ø10x33mm f. Air-Lock Shuttle-Lock					
CD.103P11	Pin Ø10x42mm f. Air-Lock Shuttle-Lock					
CD.103WH	Air-Lock Wrench					
CD.103RBC	Button Cover f. CD.103RB					
CD.103SG	Air-Lock&Small Air-Lock Springs PU: 3pcs					
CD.103RB	Air-Lock&Small Air-Lock Release Button					

## ◆ Small Air-Lock



The Small Air-Lock offers the same features as the classic Air-Lock, but has a simpler design and is smaller.

A fabrication dummy for lamination and thermoforming is included.

CD.103S/CD.103SD



Scope of Delivery



REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes
CD.103S	Small Air-L. Shuttle-L. w/ Pin Ø10x33mm	33	35	31.5	120	Dummy Set
CD.103SD	Small Air-L. Shuttle-L. w/ Pin Ø10x42mm	42	39	31.5	120	Dummy Set
Required Accessories						
CD.103AF	4-Hole Alignable Connector					
CD.111	4-Hole Connector w/ Tie Off Ring					
CD.115CF5	4-Hole Connector w/ 5° Flexion					
FT.60SL50	Coyote Quick Adhesive Kit					
FT.1ML50	PLU Series Kit Black 50ml					
FT.G50	PLU Series 50ml Dispensing Gun					
Optional Accessories						
CD.103MDI	Air-Lock Multi-Direction Insert					
CD.103SDI	Air-Lock Single-Direction Insert					
CD.103P8	Pin Ø10x33mm f. Air-Lock Shuttle-Lock					
CD.103P11	Pin Ø10x42mm f. Air-Lock Shuttle-Lock					
CD.103WH	Air-Lock Wrench					
CD.103RBC	Button Cover f. CD.103RB					
CD.103SG	Air-Lock&Small Air-Lock Springs PU: 3pcs					
CD.103RB	Air-Lock&Small Air-Lock Release Button					

## ◆ Easy Off Lock



CD.117

The Easy Off Lock is of a similar size as the Air Lock and it also incorporates the same pin. A special feature is the design of the release mechanism, which works similar to a ski boot buckle. It makes locking and releasing the pin especially easy. Therefore, the Easy Off Lock is also perfectly suitable for use in waterproof prostheses. The total weight limit of 120 kg is equal to the weight limit of the Air-Lock. A fabrication dummy for lamination and thermoforming is included.



Closed



Open



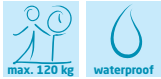
Scope of Delivery



REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes
CD.117	Easy Off Lock Shuttle-L. w. Pin Ø10x33mm	34.3	133	57.4	120	Dummy Set
Required Accessories						
CD.103AF	4-Hole Alignable Connector					
CD.111	4-Hole Connector w/ Tie Off Ring					
CD.115CF5	4-Hole Connector w/ 5° Flexion					
FT.60SL50	Coyote Quick Adhesive Kit					
FT.1ML50	PLUSeries Kit Black 50ml					
FT.G50	PLUSeries 50ml Dispensing Gun					
Optional Accessories						
CD.103MDI	Air-Lock Multi-Direction Insert					
CD.103SDI	Air-Lock Single-Direction Insert					
CD.103P8	Pin Ø10x33mm f. Air-Lock Shuttle-Lock					
CD.117LP	Plate Assembly f. CD.117					



CD.122A



◆ Air-Lock Drop-In Lock

The Air-Lock Drop-In Lock has the same dimensions as the Air Lock. However, the Air-Lock Drop-In Lock can be removed from the socket. This makes it especially suited for test sockets.



CD.122AFD

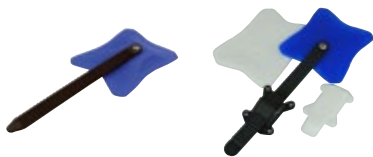
REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes
CD.122A	Air-Lock Drop-In-Lock w/ Pin Ø10x33mm	34.3	84	57.4	120	Lock incl. Adapter
Required Accessories						
CD.122AFD	Air-Lock Drop-In-Lock Lamination Dummy					



CD.116



Application Example



### ◆ Proximal Lock

The Proximal Lock is an innovative AK locking system. It does not add to the socket's overall height, since it is positioned on the side of the residual limb. Similar to the ratchet buckle on a ski boot, the proximal lock can be attached to the side of the prosthesis, and can be released again at the push of a button. The lock can be used together with cushion liners whose fabric cover does not stretch longitudinally. It is perfectly suitable for users with longer residual limbs, and allows for the use of any distal adapter. The adhesive for glueing the contact surface to the liner is included in delivery.

We advise you to install an expulsion valve to make donning the socket easier. We recommend using the Coyote Auto Expulsion Valve (REF CD.105) for this.

The extra strap kit is necessary when the amputee uses multiple liners for one socket.

### 👍 Practical Tip:

We recommend combining the Proximal Lock with the Alpha Symmetrical AK Liner, the Alpha Silicone AK Liner, or the Alpha SmartTemp AK Liner.



REF	Product	System Height/mm	Weight/g	Weight Limit	Delivery Includes
CD.116	Proximal Lock	0	39	Not Limited	Lamination Dummy Set
Optional Accessories					
CD.116XWS	Strap Kit f. Liner f. CD.116				
CD.105	Auto Expulsion Valve				

◆ Accessories for Coyote Lock Systems

• Alignable 4-Hole Connector



CD.103AF

This connector can be used for the Air Lock, the Small Air Lock, and the Easy Off Lock. A 4-hole adapter can be connected directly on the distal side. The connector may be both laminated or vacuum formed. It can be positioned by either attaching a single direction or a multi direction insert, or by glueing the lock into the connector. Use Coyote Quick Adhesive REF CD.4150P if choosing to glue the lock into place.



CD.103AF  
with CD.103MDI



Air-Lock, Installed



Bottom Side



max. 120 kg



waterproof

REF	Product
CD.103AF	4-Hole Alignable Connector

• One-Shot Connector



CD.111

This connector can be used with Air Locks, Small Air Locks and Easy Off Locks. Along the side there is a tie-off groove that makes it easier to tie off the lamination.

The connector works identically to the alignable 4-hole connector CD.103AF.



CD.111  
with CD.103MDI



Air-Lock, Installed



Bottom Side



max. 120 kg



waterproof

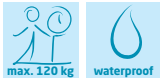
REF	Product
CD.111	4-Hole Connector w/ Tie Off Ring



CD.103MDI

• Multi-Direction Insert for Alignment System

This insert can be installed into the connectors REF CD.103AF and CD.111. It allows the desired lock to be installed facing one of four optional directions, and to be offset from the load line at the same time. For laminating or vacuum forming.



CD.103AF  
with CD.103MDI



Air-Lock, Installed



Bottom Side

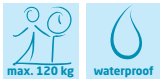
REF	Product
CD.103MDI	Air-Lock Multi-Direction Insert

• Single-Direction Insert for Alignment System

This insert can be installed into the connectors REF CD.103AF and CD.111. It allows the technician to position the lock so it faces one of four optional directions, and to slide the lock in one direction away from the load line. For laminating or vacuum forming.



CD.103SDI



Bottom Side

REF	Product
CD.103SDI	Air-Lock Single-Direction Insert



CD.115CF5



Air-Lock, Installed

• 5° Connection Plate

The 5° connection plate is the perfect addition to the Coyote Air-Lock, Small Air-Lock and Easy Off Lock. It is especially suitable for users with a flexion contracture.

The general flexion is 5°, a simultaneous offset of the desired lock of up to 25 mm is possible. The lock can hence be positioned in all directions. The weight of the connection plate is only 59 g.



REF	Product
CD.115CF5	4-Hole Connector w/ 5° Flexion



FT.60SL50

FT.1ML50



FT.60SL

FT.1ML



FT.G50/FT.G220



FT.127216 / FT.127226

## • PLUSeries Adhesive

### Application

- Very versatile and strong mounting adhesive for a quick bond
- Ideally suited for glueing e.g. socket adapters

### Material

- Epoxy-based two-component adhesive

### Properties

- Two-component adhesive
- Pleasant viscous consistency
- Processing time until fully cured: 60 s
- Resistant against high temperatures, moisture and most solvents and chemicals

REF	Content/Amount/ml	Color	PU
<b>FT.60SL50</b>	50	Skin-Colored	1 Cartridge incl. 2 Mixing Tips
<b>FT.1ML50</b>	50	Black	1 Cartridge incl. 2 Mixing Tips
<b>FT.60SL</b>	220	Skin-Colored	1 Cartridge incl. 2 Mixing Tips
<b>FT.1ML</b>	220	Black	1 Cartridge incl. 2 Mixing Tips

### PLUSeries Dispensing Gun

REF	Application	PU/Quantity
<b>FT.G50</b>	for 50 ml Cartridges	1
<b>FT.G220</b>	for 220 ml Cartridges	1

### PLUSeries Mixing Tips

REF	Mixing Tips	PU/Quantity
<b>FT.127226</b>	for Cartridge Size 50 ml	6
<b>70.678.900.01</b>	for Cartridge Size 50 ml	50
<b>FT.127216</b>	for Cartridge Size 220 ml	6
<b>70.678.900.00</b>	for Cartridge Size 220 ml	50

# Lanyard Systems

AIS Alpha Locking Lanyard  
Coyote Lanyard System



## ◆ AIS Alpha Locking Lanyard



WW.700-AIS10X

The original Alpha Locking Lanyard is based on the AIS System by WillowWood. It is great also for those users who have difficulties using a pin system. Unlike lanyard-systems without any automatic lanyard-locking-mechanism, the locking lanyard system locks itself, thereby guaranteeing maximum security.

The system is also exceptionally lightweight. Another special feature is the built-in one-way expulsion air valve through which excessive air can be released distally.



Scope of Delivery

REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes
<b>WW.700-AIS100</b>	AIS Version Locking Lanyard	22	173	61	115	Lamination Dummy Set
<b>WW.700-AIS101</b>	AIS Version Locking Lanyard w/ Titan.Pyr.	34	229	61	115	Lamination Dummy Set
<b>Optional Accessories</b>						
<b>WW.700-AIS102</b>	AIS Distal Adapter w/ Fabrication Post					
<b>WW.700-AIS103</b>	AIS Locking Lanyard Cord					
<b>WW.700-AIS104</b>	AIS Fabrication Dummy					
<b>WW.700-AIS105</b>	AIS Forming Plate					
<b>WW.700-AIS106</b>	AIS Locking Lanyard Decal Set					
<b>WW.700-AIS107</b>	AIS Locking Lanyard Body					
<b>WW.700-AIS108</b>	AIS Locking Lanyard Suction Cup					
<b>WW.700-AIS109</b>	AIS Locking Lanyard Power Grip					



## ◆ Coyote Lanyard System

The Coyote Lanyard System makes it possible to securely attach the distal end of a locking liner inside the socket without using a pin. The system is very easy to use, especially for users who find using a pin-system rather challenging.

The Coyote Lanyard System is available in different versions for both laminating and thermoforming. For either version, the Coyote Lanyard Strap Kit CD.120L has to be ordered additionally, as it is a required accessory to the system.

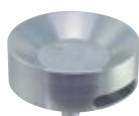
If you want to use the lanyard system for lamination, you will also require the lamination dummy CD.121D. The dummy can be reused several times.



CD.121



CD.120



CD.121D



max. 120 kg

REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes
CD.121	Coyote Lanyard Puck AL	22	110	65	120	Aluminum Puck, Including Accessories (Dummy CD.121D and Lanyard have to be Ordered Separately)
CD.120	Coyote Lanyard Puck Plastic	22	65	65	120	Plastic Puck, Including Dummy for Thermoforming
<b>Required Accessories</b>						
CD.120L	Coyote Lanyard Strap Kit					Hook-and-Loop Lanyard Strap, Including Strap Guide for Installation on Socket
CD.121D	Coyote Lanyard Lamination Dummy					
<b>Optional Accessories</b>						
CD.121L	Coyote Lanyard Spare Strap					



# Suction Systems

AIS Suction Insert  
Suction Spacer Plate  
Suction Pyramid  
Auto Expulsion Valve  
Hands Free Mini Valve  
Mini Valve Pro



### ◆ AIS Suction Insert

The AIS Suction Insert is another optional adapter for the AIS System. It is an exhaust valve which, when combined with a liner and a sleeve, can be used to create a suction suspension system. It can also be added to an already existing AIS System.

WW.700-AIS50X



REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes
WW.700-AIS500	AIS-Interlock Exhaust Valve	21	133	61	115	Lamination Dummy Set
WW.700-AIS501	AIS Version Suction w/ Titanium Pyramid	33	189	61	115	Lamination Dummy Set
<b>Optional Accessories</b>						
WW.700-AIS102	AIS Distal Adapter w/ Fabrication Post					
WW.700-AIS486	AIS Suction Insert f. Retrofitting					
WW.700-AIS489	AIS O-Ring Gasket PU: 10pcs					

### ◆ Suction Spacer Plate

The Suction Spacer Plate contains a maintenance-free expulsion valve and is used for converting any socket with a four-hole pattern into a suction socket. Weighs only 36 grams.



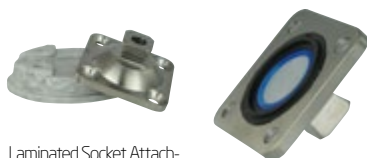
WW.700-SP500



REF	Product	System Height/mm	Weight/g	Diameter	Weight Limit/kg	Delivery Includes
WW.700-SP500	Suction Spacer Plate	9.5	36	Equivalent to 4-Hole Connector	115	Lamination Dummy Set



WW.700-SP4XX



Laminated Socket Attachment Block Included

### ◆ Suction Pyramid

The suction pyramid is the recommended suspension product for laminated sockets. Its one-way air expulsion valve is positioned inside a four-hole pyramid adapter. The pyramid gets bolted onto the distal end of the socket.

The kit also contains the required laminated socket attachment block. The kit is available in three different versions for adults (one of which has a weight limit of 160 kg), and one pediatric version.

REF	Product	System Height/mm	Weight/g	Diameter	Weight Limit/kg	Material	Delivery Includes
<b>WW.700-SP470</b>	Suction Pyramid Kit TI	12	64	Equivalent to 4-Hole Connector	115	Titanium	Laminated Socket Attachment Block REF WW.700-250
<b>WW.700-SP460</b>	Suction Pyramid Kit VA	12	100	Equivalent to 4-Hole Connector	115	Stainless Steel	Laminated Socket Attachment Block REF WW.700-250
<b>WW.MHD-SP4</b>	Magnum 4-Hole Suction Pyramid Adapter TI	14	68	Equivalent to 4-Hole Connector	160	Titanium	Laminated Socket Attachment Block REF WW.700-250
<b>Optional Accessories</b>							
<b>WW.700-AL486</b>	One-Way Valve						
<b>WW.700-AIS487</b>	Poron Filter f. Suction Pyramid						
<b>WW.700-AB452</b>	Spare Valve Filter f. Suction Pyramid						



CD.105

### ◆ Auto Expulsion Valve

The auto expulsion valve is a compact valve which can be used both for AK and BK prostheses. It can either be built directly into the socket, or retrofitted.



REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit	Delivery Includes
<b>CD.105</b>	Auto Expulsion Valve	11	3	24	Not Limited	Adjustable Fabrication Dummy



CD.105HF

### ◆ Hands Free Mini Valve

Expulsion valve with very low overall height and diameter. Added functionality thanks to the additional lateral air duct, which can be opened and closed with a lever. This makes donning and doffing the socket easier. The Hands Free Mini Valve gets glued to the socket from the outside. Therefore it can also be retrofitted into an already existing prosthetic socket (bore diameter 19mm).



REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit	Delivery Includes
<b>CD.105HF</b>	Hands Free Valve	8.5	7	30	Not Limited	Fabrication Dummy



30.005.000.00, with Interior Filter



### ◆ Mini Valve Pro

The Mini Valve Pro is an expulsion valve designed to be used in prosthetic sockets. A low-maintenance silicone duckbill-valve ensures a reliable seal. The filter on the inside prevents any dirt from entering the valve. The Mini Valve Pro gets installed in the distal area of the socket. It can be combined with an Alpha Cushion Liner and an Alpha Sleeve to create a prosthetic suction system.



REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit	Delivery Includes
30.005.000.00	Mini Valve Pro	16	5	10	Not Limited	Hex Nut M10x1, Washer, Valve Unit, Interior Valve Component, White Duckbill-Valve, Interior Filter, Sealing Washer, Dummy, Sticker to Protect Valve From Dust During Sanding
<b>Optional Accessories</b>						
30.005.000.10	Mini Valve Pro Spare Parts Kit					Hex Nut M10x1, Washer, Interior Valve Component, White Duckbill-Valve, Sealing Washer



# Elevated Vacuum Systems



One System BK  
One System AK  
LimbLogic® System  
LimbLogic® M  
LimbLogic® Communicator





## One System BK

- Vacuum System for Transtibial Amputees
- No Sleeve On Top of Socket Required • For Use With Either Elevated Vacuum or Suction • Waterproof



The One System BK is a vacuum system for transtibial amputees which does not require a sleeve to be worn on top of the socket. The system can be employed as part of a suction system or of an elevated vacuum system. It can be used by amputees of all activity levels.

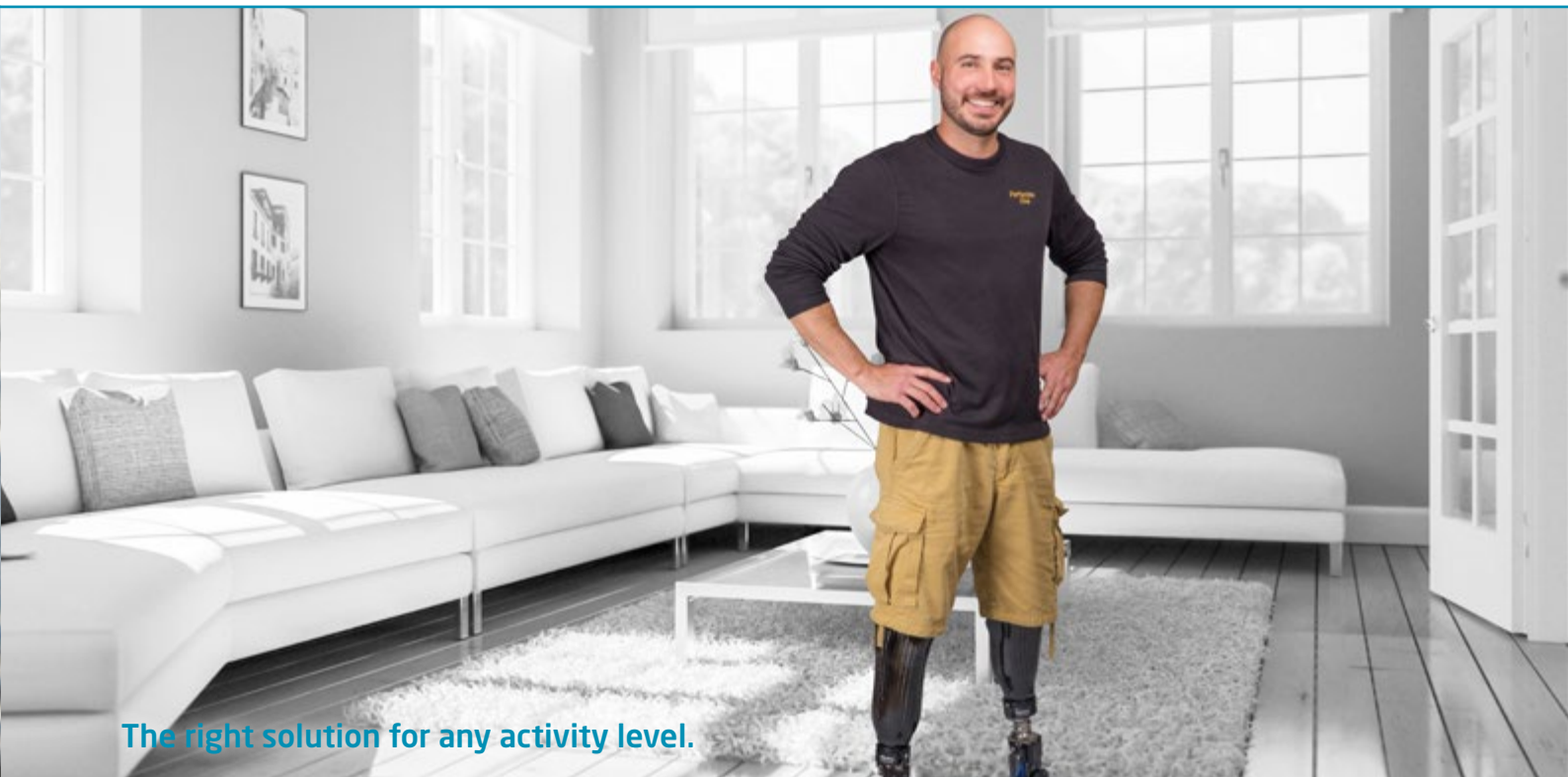
The One System BK creates a reliable vacuum on the entire surface of the residual limb. Therefore, it can also tolerate larger volume changes of the limb.

### Practical Tip:

The Alpha Duo Liner for the One System BK can be found on page 52.

We recommend adding the LimbLogic Communicator to the system (p. 168). It expands the possible settings and analysis options of the One System.





The right solution for any activity level.

## One System BK available as

### Suction Suspension

#### Application Recommendation

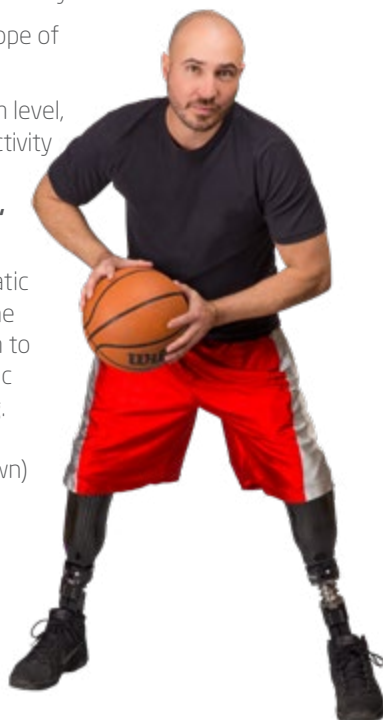
- + Low activity level
- + Recommended when particularly easy handling is desired (no charging, no adjustments required)



### Elevated Vacuum Electronically Controlled

#### Application Recommendation

- + Medium to high activity levels
- + Access to full scope of system benefits
- + Constant vacuum level, independent of activity and movements
- + "Adaptive mode" offers additional benefits: automatic adjustment of the elevated vacuum to the user's specific activity level (e.g. rest mode when user is sitting down)

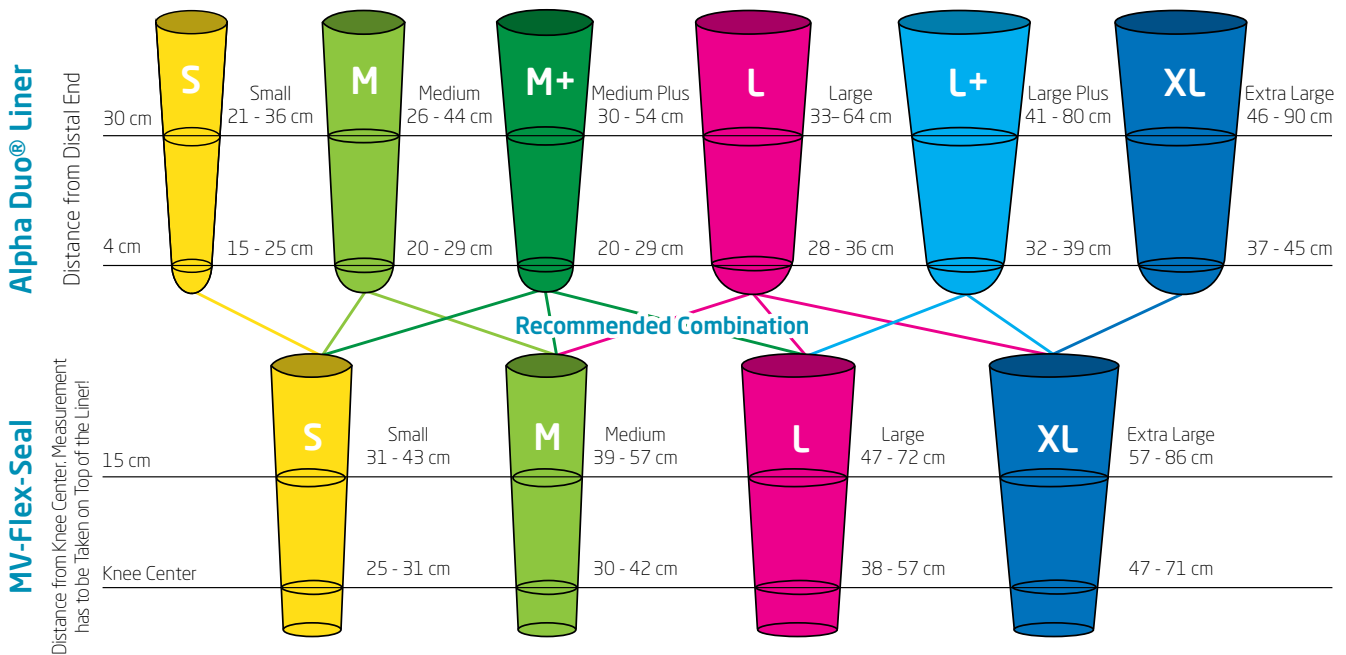


## One System BK. A Logic System.

**The One System BK consists of the following components:**



## Alpha DUO® Liner. And All Other Components.



Select the appropriate liner size. A gel sock is included with the liner.

REF Cushion Liner	Profile	Fabric Cover	Gel Thick- ness/mm	Size	Circumferen- ce (4 cm) Distal/cm	Circumfe- rence (30 cm) Proximal/cm
WW.D990-1943	One System BK Symmetrical	No Fabric Cover	9 - 4.5	Small	15-25	21-36
WW.D990-1940	One System BK Symmetrical	No Fabric Cover	9 - 4.5	Medium	20 - 29	26 - 44
WW.D990-1944	One System BK Symmetrical	No Fabric Cover	9 - 4.5	Medium Plus	20 - 29	30 - 54
WW.D990-1946	One System BK Symmetrical	No Fabric Cover	9 - 4.5	Large	28 - 36	33 - 64
WW.D990-1948	One System BK Symmetrical	No Fabric Cover	9 - 4.5	Large Plus	32 - 39	41 - 80
WW.D990-1947	One System BK Symmetrical	No Fabric Cover	9 - 4.5	Extra Large	37 - 45	46 - 90

Select the fitting size for the MV-Flex-Seal. Also select the matching MV-Flex-Seal Dummy (same size). You will also need the One Link Kit and Orthotherm Silicone for the inner socket.

Required Accessories	
REF	Product
WW.FlexSeal-SM	MV-Flex-Seal S
WW.FlexSeal-MD	MV-Flex-Seal M
WW.FlexSeal-LG	MV-Flex-Seal L
WW.FlexSeal-XL	MV-Flex-Seal XL
WW.FlexSeal-DY-SM	MV-Flex-Seal Fabrication Dummy S
WW.FlexSeal-DY-MD	MV-Flex-Seal Fabrication Dummy M
WW.FlexSeal-DY-LG	MV-Flex-Seal Fabrication Dummy L
WW.FlexSeal-DY-XL	MV-Flex-Seal Fabrication Dummy XL
WW.ONE-LINKKIT	One Link Kit
70.766.009.01	Orthotherm Silicone White 400x400x9mm
70.766.012.01	Orthotherm Silicone White 400x400x12mm

Finally, select the components for a suction suspension system or an elevated vacuum system.

### Optional Accessories for Elevated Vacuum Systems

REF	Product
WW.LLV-2000-L	LimbLogic Vacuum System Distal
WW.LLV-2000Wartung	LLV2000 4 Maintenance Cycles for 2 Years
WW.LLV-01041	LimbLogic Laminated 4-Hole Adapter
WW.LLV-COM	LimbLogic Communicator

The LimbLogic Communicator expands the possible settings and diagnostic options of the LimbLogic System. The LimbLogic Communicator and software interface with a LimbLogic controller via Bluetooth technology.

### Optional Accessories for Suction Systems

REF	Product
WW.LLV-EV	LimbLogic Expulsion Valve



## One System AK

- **Elevated Vacuum System for AK and Knee Disarticulated Amputees**
- **Precisely Adjustable • Waterproof**



The One System AK is a waterproof elevated vacuum system for knee disarticulated and transfemoral amputees. It consists of a microprocessor-controlled vacuum pump and a system of components including a special liner. An additional proximal seal is not required.

The One System AK can tolerate big volume changes of the limb, and guarantees a continuous vacuum from the distal end to 25 cm below the entry plane.

The electronic control of the vacuum pump allows for the system to remain independent from the gait cycle, and makes for maximum comfort, control and safety during all activities.

Since the pump is mounted on the side, it does not add to the overall height, which makes the system also suitable for long residual limbs and knee disarticulations.



### Practical Tip:

The One System SmartTemp AK Liner for the One System AK can be found on page 78.

We recommend adding the LimbLogic Communicator to the system (p. 168). It expands the possible settings and analysis options of the One System.



REF	Product	System Height/mm	Weight /g	Weight Limit	Delivery Includes
WW.LLV-2000-S	LimbLogic Vacuum System Medial/Lateral	0	209	Not Limited	Vacuum Pump*, Charger, Fob, Accessory Kit WW.LLV-2000-S-ACC, Drill Bit 7.1 mm, Black, and 7.5 mm, Golden
C-Fab					
25.400.000.00	OneSystem Definitive Socket AK (Produced by our C-Fab team, based on a test socket provided by the customer. To complete the application, REF WW.LLV-2000-S is required).				
Required Accessories					
70.766.009.01	Orthotherm Silicone White 400x400x9mm				
70.766.012.01	Orthotherm Silicone White 400x400x12mm				
WW.LLV-01049	OneSystemAK Lamin. Plate Medial/Lateral				
WW.LLV-EV	LimbLogic Expulsion Valve				
WW.ONE-AB2	OneSystemAK Alignment Buttons				
WW.ONE-FD-SET	OneSystemAK Seal Fabrication Dummy				
Optional Accessories					
74.006.002.00	Rinsing Kit f. LimbLogic Vacuum System				
WW.LLV-01050	OneSystemAK Seal				
FT.60SL	PLUSeries Kit Skin-Colored 220ml				
FT.1ML	PLUSeries Kit Black 220ml				
FT.G220	PLUSeries 220ml Dispensing Gun				
FT.127216	PLUSeries 220ml Mixing Tip PU: 6pcs				
WW.LLV-21240	LimbLogic 2000 Fob Battery				
WW.LLV-21011	LimbLogic 2000 Inductive Charger				
WW.LLV-21200	LimbLogic 2000 Key Fob				

\* Four maintenance cycles over 2 years are included in the product price.



WW.LLV-2000-S



WW.LLV-01049 (inkl. WW.LLV-01050)



WW.LLV-EV



74.006.002.00



WW.ONE-AB2 (Dummy Set, Screws and Accessories Included)



FT.60SL/FT.1ML/FT.G220



70.766.012.01  
Application Example



## LimbLogic® System

- **Electronic Elevated Vacuum System for BK Amputees**
- **Finely Adjustable • Waterproof**



The LimbLogic® System Distal is an elevated vacuum system which is especially suited for BK prostheses. A microprocessor-controlled pump creates a permanent vacuum, which can be adjusted as desired.

The electronic control allows for the system to remain independent from the gait cycle, and makes for maximum comfort, control and safety during all activities.

The system is charged by induction. A fob is included in delivery, it can be used to comfortably set all functions remotely.

Please note that the LimbLogic laminated 4-hole adapter WW.LLV-01041 is required for the distal set-up of the prosthesis.

We recommend adding the LimbLogic Communicator to the system (p. 168). It expands the possible settings and analysis options of the system.



WW.LLV-01041

REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes
<b>WW.LLV-2000-L</b>	LimbLogic Vacuum System Distal	36	225	75	160/136 Activity Level 3/4	Charger, Fob, Accessory Kit WW.LLV-2000-L-ACC, Drill Bit 7.1 mm, Black, Maintenance Service Plan*
<b>WW.LLV-2002-L</b>	LimbLogic Vacuum System Bilat. Distal	36	225	75	160/136 Activity Level 3/4	Charger, Fob, Accessory Kit WW.LLV-2000-L-ACC, Drill Bit 7.1 mm, Black, Maintenance Service Plan*

**Required Accessories**

<b>WW.LLV-01041</b>	LimbLogic Laminated 4-Hole Adapter
---------------------	------------------------------------

**Optional Accessories**

<b>74.006.002.00</b>	Rinsing Kit f. LimbLogic Vacuum System
<b>WW.LLV-2000Wartung</b>	LLV2000 4 Maintenance Cycles for 2 Years
<b>WW.LLV-01043</b>	LimbLogic Vacuum Plate
<b>WW.LLV-01044</b>	LimbLogic Vacuum Pyramid
<b>WW.700-B092</b>	Flat Head Cap Screw M6x55mm PU: 4pcs
<b>WW.700-B093</b>	Flat Head Cap Screw M6x50mm PU: 4pcs
<b>WW.LLV-21240</b>	LimbLogic 2000 Fob Battery
<b>WW.LLV-01070</b>	LimbLogic Proximal Gasket PU: 5pcs
<b>WW.LLV-01100</b>	LimbLogic Suction Pad
<b>WW.LLV-01071</b>	LimbLogic Poron Filter 200 Micron
<b>WW.LLV-21011</b>	LimbLogic 2000 Inductive Charger
<b>WW.LLV-21200</b>	LimbLogic 2000 Key Fob
<b>WW.LLV-21080</b>	LimbLogic 2000 Exhaust Tube Fitting
<b>WW.LLV-21082</b>	LimbLogic 2000 Exhaust Elbow
<b>FT.60SL</b>	PLUSeries Kit Skin-Colored 220ml
<b>FT.1ML</b>	PLUSeries Kit Black 220ml
<b>FT.G220</b>	PLUSeries 220ml Dispensing Gun
<b>FT.127216</b>	PLUSeries 220ml Mixing Tip PU: 6pcs

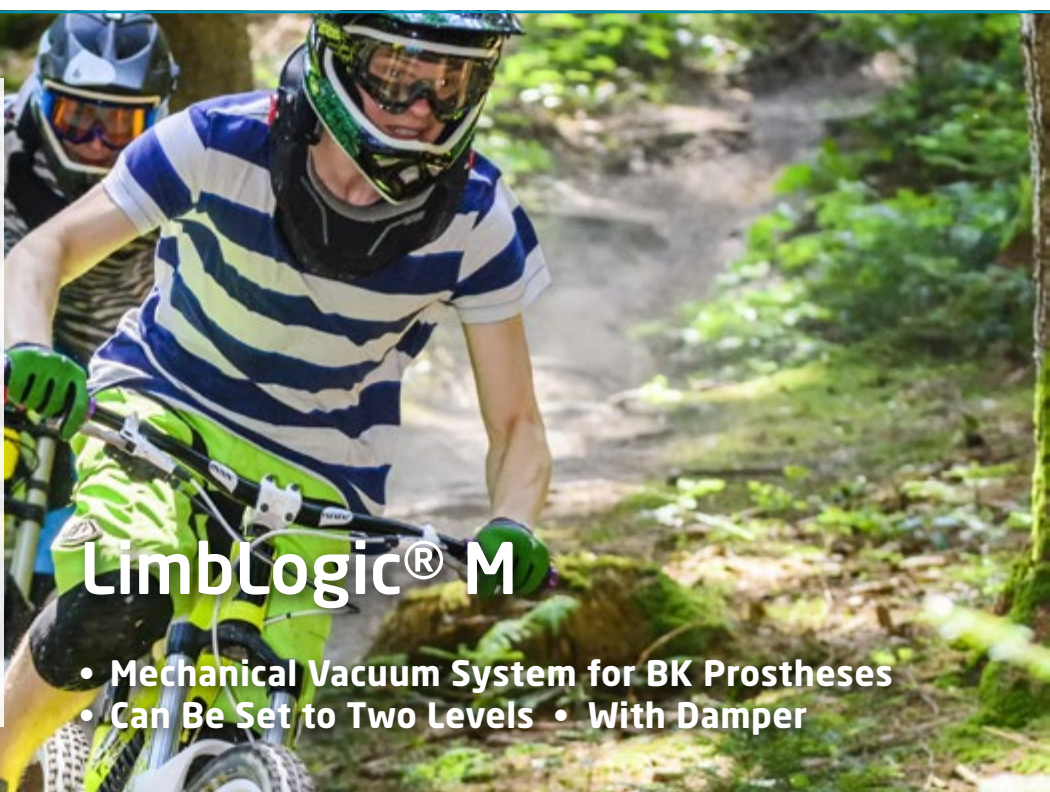
\* Depending on the country of the customer's location of business, the maintenance service plan is either mandatorily included in the scope of delivery, or is available as an optional add-on.



Only 4-hole adapters with a plane contact surface may be used with the LimbLogic System.  
Do not use 4-hole adapters with a seat ring.

**Recommended Adapters With Plane Contact Surface**

REF	Product	Required Screws	Weight Limit/kg	Image
<b>AP.TI-450BF</b>	Receiver Adapter 4-Hole 85g 166kg Titan.	4x M6x50 (included w/ LimbLogic)	166	
<b>AP.SS-450BF</b>	Receiver Adapter 4-Hole 130g 136kg Steel	4x M6x50 (included w/ LimbLogic)	136	
<b>AP.TI-425BH-W</b>	Pyramid Adapter 4-Hole 50g 166kg Titan.	4x M6x50 (included w/ LimbLogic)	166	
<b>AP.SS-425BH</b>	Pyramid Adapter 4-Hole 91g 136kg Steel	4x M6x50 (included w/ LimbLogic)	136	
<b>AP.TI-400A-W</b>	Pyramid Adap. 4-Hole Axial Offset 166kg	4x M6x50 (included w/ LimbLogic)	166	
<b>AP.TI-400D-W</b>	Pyramid Adapter 4-Hole Diag.Offset 166kg	4x M6x50 (included w/ LimbLogic)	166	
<b>WW.FND-224150</b>	Pyramid Slide Adapter 4-Hole Rot. Titan.	4x M6x55 (REF WW.700-B092)	160 (up to Act. Level 3) 136 (up to Act. Level 4)	



## LimbLogic® M

- Mechanical Vacuum System for BK Prostheses
- Can Be Set to Two Levels • With Damper



Example of Use

The LimbLogic M is an active mechanical vacuum system with a built-in pump that uses the energy generated by heel strike to create vacuum in the socket.

The vacuum can be set to two levels, so the vacuum that is generated can be optimally adjusted to the user's needs.

In addition to this, the LimbLogic M features a damper with adjustable resistance. This makes it possible to exactly match the settings of the vacuum pump with the weight of the user.

The system is available in two versions, for different weight limits (version "light": 45-77 kg, version "standard": 73-150 kg).

The LimbLogic M is suited for users who want a high-performance vacuum pump without any electronic components.

### Version Light:



### Version Standard



REF	Product	System Height/mm	Weight/g	Weight Limit/kg	Included in Delivery
WW.LLM-1000-L	LimbLogic M Standard	92	475	73-150/ Akt. 2-3 73-136/ Act. 4	incl. WW.LLM-KIT-L Fabrication Kit f. LimbLogic M Vacuum System
WW.LLM-1001-L	LimbLogic M Light	92	475	45-77/ Act. 2-4	incl. WW.LLM-KIT-L Fabrication Kit f. LimbLogic M Vacuum System
Required Accessories					
FT.60SL50	PLUSeries Kit Skin-Colored 50ml				
Or					
FT.1ML50	PLUSeries Kit Black 50ml				
And					
FT.G50	PLUSeries 50ml Dispensing Gun				
Optional Accessories					
WW.LLM-KIT-L	Fabrication Kit f. LimbLogic M Vacuum System				
WW.LLM-11001	Diagnostic Kit f. LimbLogic M Vacuum System				
WW.LLV-01041	LimbLogic Laminated 4-Hole Adapter				
WW.LLV-01043	LimbLogic Vacuum Plate				
WW.LLV-01044	LimbLogic Vacuum Pyramid				
WW.LLV-01070	LimbLogic Proximal Gasket PU: 5pcs				
WW.LLV-01071	LimbLogic Poron Filter 200 Micron				
WW.700-B093	Flat Head Cap Screw M6x50mm PU: 4pcs				



*WillowWood*  
**LimLogic® Communicator**  
**The Clever Connection.**



The LimLogic Communicator and software interface with a LimbLogic controller via BlueTooth technology and expand the possible settings and diagnostic options of the LimbLogic System.

The software grants acces to a wide array of possible settings and analysis options of the LimbLogic System.

With the LimbLogic Communicator it is possible to access an extended selection of features, like e.g. the “adaptive mode”. This mode allows for the LimbLogic to independently adapt to the user’s activity. When the user is resting, the system will automatically switch to standby mode, and when the user starts to move again, the system will return to active mode.

Generally, all parameter settings can be adjusted more finely with the Communicator than with the fob.

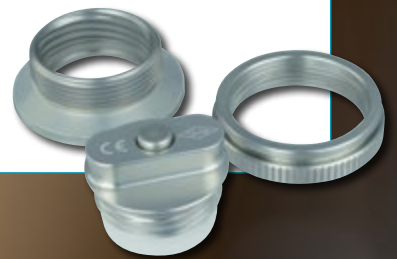
The latest version of the Communicator software is available to download for Communicator users.

REF	Product
WW.LLV-COM	LimLogic Communicator

# Valves



Auto Expulsion Valve  
Hands Free Mini Valve  
Mini Valve Pro  
Screw Valve  
ESP Screw Valves  
Flat Rubber Valves



### ◆ Auto Expulsion Valve



CD.105

The auto expulsion valve is a compact valve which can be used both for AK and BK prostheses. It can either be built directly into the socket, or retrofitted.



REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit	Delivery Includes
CD.105	Auto Expulsion Valve	11	3	24	Not Limited	Fabrication Dummy

### ◆ Hands Free Mini Valve



CD.105HF

Expulsion valve with very low overall height and diameter. Added functionality thanks to the additional lateral air duct, which can be opened and closed with a lever. This makes donning and doffing the socket easier. The Hands Free Mini Valve gets glued to the socket from the outside. Therefore it can also be retrofitted into an already existing prosthetic socket (drill hole diameter 19mm).



REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit	Delivery Includes
CD.105HF	Hands Free Valve	8.5	7	30	Not Limited	Fabrication Dummy



### ◆ Mini Valve Pro

The Mini Valve Pro is an expulsion valve designed to be used in prosthetic sockets. A low-maintenance silicone duckbill-valve ensures a reliable seal. The filter on the inside prevents any dust from entering the valve. The Mini Valve Pro gets installed in the distal area of the socket. It can be combined with an Alpha Cushion Liner and an Alpha Sleeve to create a prosthetic suction system.

REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit	Delivery Includes
30.005.000.00	Mini Valve Pro	16	5	10	Not Limited	Hex Nut M10x1, Washer, Valve Unit, Interior Valve Component, White Duckbill-Valve, Interior Filter, Sealing Washer, Dummy, Sticker to Protect Valve From Dust During Sanding
<b>Optional Accessories</b>						
30.005.000.10	Mini Valve Pro Spare Parts Kit					Hex Nut M10x1, Washer, Interior Valve Component, White Duckbill Valve, Sealing Washer.



### ◆ Screw Valve

The Expulsion Screw Valve is designed to be used in femoral sockets. Its base is screwed into the socket wall, and its body can be removed after three turns. On the push of the valve button, excessive air can be released from the socket.

REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit	Delivery Includes
26.300.000.01	Screw Valve Kit	16	48	45 (total)	Not Limited	Valve Body with Threaded Ring, Valve Body, Including Dummies (1 for Laminating, 1 for Vacuum Forming).
<b>Optional Accessories</b>						
26.301.000.01	Spare Part Kit f.Valve Kit 23.300.000.01					Expulsion Valve, Seal in Threaded Ring, Silicone Seal on Valve Body

◆ ESP Screw Valves

The ESP Screw Valves all share the same uniform body design, which allows the valves to be interchanged when retrofitting an already existing prosthesis. This allows the orthopedic technician to find a suitable valve for the needs of any user, and to exchange the valves if necessary. It is also possible to switch from a classic valve to the connector for a vacuum system by simply changing the valve unit.

The optional installation wrench makes it easier to install and uninstall the top part of the valve body.



• ESP Screw Valve Lyn Push

Classic expulsion valve for AK sockets. With central button for manual release.

REF	Product	Weight Limit/kg	Delivery Includes
ES.P1	ESP Screw Valve Lyn Push	Not Limited	Valve w/ Manual Release, Dummy
Required Accessories			
ES.P100	ESP Screw Valve Body	Not Limited	Body for ESP Valves, Dummy, Screw for Dummy, Sanding Guard
Optional Accessories			
ES.P101	ESP Screw Valve Installation Wrench		



• ESP Screw Valve Lyn Auto

Auto-expulsion valve for AK sockets. With central button for additional manual expulsion or for doffing the socket.

REF	Product	Weight Limit/kg	Delivery Includes
ES.P2	ESP Screw Valve Lyn Auto	Not Limited	Valve w/ Auto-Release, Dummy
Required Accessories			
ES.P100	ESP Screw Valve Body	Not Limited	Body for ESP Valves, Dummy, Screw for Dummy, Sanding Guard
Optional Accessories			
ES.P101	ESP Screw Valve Installation Wrench		



### • ESP Screw Valve Lyn Slide

Auto-expulsion valve with innovative slide feature. To open the valve (e.g. for doffing the prosthetic socket), simply slide the button on the valve in any direction.

REF	Product	Weight Limit/kg	Delivery Includes
ES.P3	ESP Screw Valve Lyn Slide	Not Limited	Auto-Expulsion Valve with Slider Button and Dummy
<b>Required Accessories</b>			
ES.P100	ESP Screw Valve Body	Not Limited	Body for ESP Valves, Dummy, Screw for Dummy, Sanding Guard
<b>Optional Accessories</b>			
ES.P101	ESP Screw Valve Installation Wrench		



### • ESP Screw Valve EVA

This insert makes it possible to use the ESP screw valve body with a vacuum system.

REF	Product	Weight Limit/kg	Delivery Includes
ES.P4	ESP Screw Valve EVA	Not Limited	Valve with Connector for Vacuum Systems, Including Angle Valve, Connecting Tube and Dummy
<b>Required Accessories</b>			
ES.P100	ESP Screw Valve Body	Not Limited	Body for ESP Valves, Dummy, Screw for Dummy, Sanding Guard
<b>Optional Accessories</b>			
ES.P101	ESP Screw Valve Installation Wrench		



30.000.000.00



30.532.000.00




30.585.000.00

◆ Flat Rubber Valves

Flat rubber valves for the construction of classic transfemoral prostheses. Different versions, with or without tab.

REF	Product
30.000.000.00	Flat Rubber Valve w/ Insert Ring
30.001.000.00	Flat Rubber Valve w/o Insert Ring
30.532.000.00	Flat Rubber Valve w/ Tab w/ Insert Ring
30.533.000.00	Flat Rubber Valve w/ Tab w/o Insert Ring
30.585.000.00	Listra Valve
30.655.000.00	Insert Ring Skin-Colored






# Feet









SACH Plus Foot with Pyramid  
Dynamic Foot  
Single Axis Foot (Ankle Foot)  
Impulse® Foot  
DuraWalk Foot  
NaturalStride BQ.MX1  
UltraStride BQ.MX3  
UltraStride LP BQ.MX4  
UltraStride LP Plus BQ.MX5  
LowStride BQ.MX6



Recommended  
Activity Level

	Weight Limit 115 kg		Weight Limit 125 kg		
4					
3-4					
3					
2-3				<b>LowStride</b> Page 206	<b>NaturalStride</b> Page 190
2					
1-2	<b>SACH-Plus</b> Page 178 	<b>Single Axis</b> Page 182 	<b>Dynamik-Foot</b> Page 180 	<b>System Height of Feet:</b> The system height for each foot is specified in the foot's technical data. The term "system height" refers to the overall height of the foot without its heel height. If only one proximal adapter is available for the foot, the height of this adapter has already been considered in the system height. If this is not the case, or if there are several matching adapters for the foot, the adapter which was used to evaluate the system height will be clearly specified.	
1				<b>Test Components:</b> Upon request, selected feet can be borrowed as test components.	

Weight Limit 135 kg/136 kg						Weight Limit 160 kg	
	<b>Ultra-Stride</b> Page 194 	<b>Ultra-Stride LP</b> Page 198 	<b>Ultra-Stride LP Plus</b> Page 202 				
<p><b>Recommended Activity Level:</b>            The recommended activity level suggests which activity level a prosthetic foot can be used for (overview: see page 6). If the foot is generally fitting for the user, the user's activity level must always be below or equal the foot's recommended activity level.</p> <p><b>Weight Limit:</b>            The user's adjusted body weight should not exceed the weight limit.</p> <p><b>Adjusted Bodyweight:</b>            The term "adjusted body weight" refers to the sum of the user's body weight and the weight of loads he normally or routinely carries. The adjusted body weight has to be below the weight limit given for the relevant component.</p>						<p><b>Impulse</b>            Page 184  </p>	<p><b>DuraWalk</b>            Page 186  </p>
<p><b>Spectra Sock:</b>            All feet that require the addition of a Spectra Sock are delivered with an included Spectra Sock.</p> 						<p><b>Color Example for Foot Cosmesis:</b> Regular color shade for feet is "Tan", additional color options are available upon special request, as special order items.</p>	

◆ SACH Plus Foot with Pyramid



The SACH Plus Foot offers exceptional attributes for a foot of its activity level. It is lighter than comparable feet since the titanium pyramid has been directly incorporated into the design. An additional pyramid adapter is not required. The SACH Plus Foot features an integrated toe spring made from composite material. The foot is available with three different toe resistances from which one can choose upon ordering.

Heel strike can be adapted individually for each user, and three different heel inserts, which can be interchanged by the orthopedic technician, are included with each foot.

WW.SFP-XXXX-XX

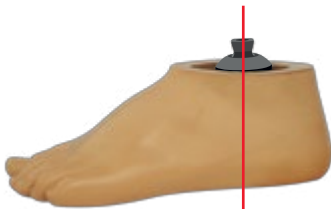


Cutaway Model



3 Heel Inserts Included

 Practical Tip:



Recommended Alignment Reference Line:  
TKA (Trochanter- Knee - Ankle)

Technical Data

Weight of Foot/g	490 (Sz. 26, Pyramid Included)
Weight Limit/kg	115
Available Foot Sizes/cm	22 - 31
System Height/mm	88.3
Heel Height/mm	10
Toe Resistance Categories	2 - 4
Heel Insert Densities	Soft, Medium, Firm

## Ordering Information

The following ordering steps will help you determine the correct REF for the foot you want to order.

### How to Select a Toe Resistance Category

Adjusted Bodyweight = Sum of the user's bodyweight and the weight of loads routinely carried by the user.  
Select the toe resistance category from the chart below:

Adjusted Bodyweight/kg	Recommended Category
up to 59	2 = Low
60 - 81	3 = Regular
82 - 115	4 = High

### How to Select a SACH Plus Foot with Pyramid

The following specifications are needed to order a SACH Plus Foot:

	WW.SFP-22RT-3L	SACH Plus Foot Ordering Example
Model	SFP	SACH Plus Foot with Pyramid
Foot Size	22	22 - 31 cm
Side	R	L = Left R = Right
Color	T	T = Tan
Toe Resistance Categories	3	2 = Low 3 = Regular 4 = High
Heel Height	L	L = 10 mm

Other versions of this foot with a heel height of 18 mm and in the colors buff or medium brown are available as special order items with REF WW.SFP-X.



21.758.XXX.XX

◆ Dynamic Foot

The Dynamic Foot for men is a true allrounder for amputees with activity level 1-2. The foot is made of polyurethane, which makes for a pleasant heel strike and good roll-over properties. The foot's core is made of high-quality alder wood. The abducted toe gives the foot a wide range of possible applications, and allows the user to wear e.g. flip flops. Its high weight limit of 125 kg makes it suitable for a large number of users.



👍 Practical Tip:



Recommended Alignment Reference Line:  
TKA (Trochanter- Knee - Ankle)

Technical Data

Weight of Foot/g	480 (Sz. 26, Without Pyramid)
Weight Limit/kg	125
Available Foot Sizes/cm	22 - 30
System Height/mm	75 (Sz. 26)
Heel Height/mm	10

## 1. Select a Dynamic Foot

REF	Foot Size/cm	Side
21.758.122.00	22	Left
21.758.123.00	23	Left
21.758.124.00	24	Left
21.758.125.00	25	Left
21.758.126.00	26	Left
21.758.127.00	27	Left
21.758.128.00	28	Left
21.758.129.00	29	Left
21.758.130.00	30	Left

REF	Foot Size/cm	Side
21.758.222.00	22	Right
21.758.223.00	23	Right
21.758.224.00	24	Right
21.758.225.00	25	Right
21.758.226.00	26	Right
21.758.227.00	27	Right
21.758.228.00	28	Right
21.758.229.00	29	Right
21.758.230.00	30	Right

## 2. Select an Adapter



AP.TI-500P/AP.SS-500P

### Foot Pyramid Adapter

Titanium foot pyramid adapter, M10 bolt and two split-pin bolts included, for use on feet without a proximal adapter.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.TI-500P	6	96	166	Titanium	DIN 912 12.9	1x M10x65 2x Pin 4x12	32 Nm
AP.SS-500P	6	136	136	Stainless Steel	DIN 912 12.9	1x M10x65 2x Pin 4x12	32 Nm

## ◆ Single Axis Foot (Ankle Foot)

The Single Axis Foot is one of the lightest feet of its type in the market. Its design combines an inner construction consisting of resilient composite material with a molded-in titanium pyramid. The Single Axis Foot features an integrated toe spring that also consists of composite material. Upon ordering one can choose from three different toe resistance categories.

Additionally, the foot offers interchangeable anterior and posterior bumpers. Please specify the desired density when you order.



Cutaway Model  
WW.SAF-XXXX-XX



### 👍 Practical Tip:



Recommended Alignment Reference Line:  
TKA (Trochanter- Knee - Ankle)



## Technical Data

Weight of Foot/g	571 (Sz. 26, Ankle Included)
Weight Limit/kg	115
Available Foot Sizes/cm	22 - 31
System Height/mm	81.3
Heel Height/mm	10
Toe Resistance Categories	2 - 4
Deflection Bumper Density	Soft, Medium, Firm

## Ordering Information

The following ordering steps will help you determine the correct REF for the foot you want to order.

## How to Select a Toe Resistance Category

Adjusted Bodyweight = Sum of the user's bodyweight and the weight of loads routinely carried by the user. Select the toe resistance category from the chart below:

Adjusted Bodyweight/kg	Recommended Category
up to 59	2 = Low
60 - 81	3 = Regular
82 - 115	4 = High

## Required Components for the Single Axis Foot

To order a complete Single Axis Foot, four components have to be selected.

- 1 First, choose the desired foot size, side and toe resistance:

### Single Axis Foot

- 2 Select the required hardness for the anterior deflection bumper:

### Anterior Deflection Bumper

- 3 Now, select the required hardness for the posterior deflection bumper:

### Posterior Deflection Bumper

- 4 Finally, add the ankle.

### Ankle for Single Axis Foot



## 1: Select a Single Axis Foot

The following specifications are needed to order a Single Axis Foot:

	WW.SAF-26LT-2L	Single Axis Foot Ordering Example
Model	SAF	SAF = Single Axis Foot (Without Joint)
Foot Size	26	22 - 31 cm
Side	L	L = Left R = Right
Color	T	T = Tan
Toe Resistance Categories	2	2 = Low 3 = Regular 4 = High
Heel Height	L	L = 10 mm

## 2: Select the Anterior Deflection Bumper

REF	Position	Hardness
WW.SAF-00128	Anterior	Soft
WW.SAF-00132	Anterior	Medium
WW.SAF-00134	Anterior	Firm

## 3: Select the Posterior Deflection Bumper

REF	Position	Hardness
WW.SAF-00140	Posterior	Soft
WW.SAF-00142	Posterior	Medium
WW.SAF-00144	Posterior	Firm

## 4: Add the Ankle

REF	Product
WW.SAF-00100	Ankle Joint Endosk. f. Single Axis Foot

## Optional Accessories

REF	Product
WW.SAF-00125	Ankle Pin f. Single Axis Foot

Other versions of this foot with a heel height of 18 mm and in the colors buff or medium brown are available as special order items with REF WW.SAA-X.



WW.IMPM-XXXX-XX



Cutaway Model



3 Heel Inserts Included

## ◆ Impulse® Foot

The Impulse Foot features a core made of high-quality composite material. The foot provides high energy return, good flexibility, and a low overall height. The foot plate is molded directly into the foot.

Three exchangeable heel inserts are included in delivery.

The Impulse foot has a high weight limit of up to 160 kg. It is also available in a Symes version with a weight limit of 115 kg.



## Technical Data

<b>Weight of Foot/g</b>	453 (Sz. 26)
<b>Weight Limit/kg</b>	160 (Symes Version 115)
<b>Available Foot Sizes/cm</b>	22 - 31
<b>System Height/mm</b>	49.5 (Without Adapter) 100 (Including Impulse Ankle)
<b>Heel Height/mm</b>	10
<b>Toe Resistance Categories</b>	1 - 7
<b>Heel Insert Densities</b>	Soft, Medium, Firm

## 👍 Practical Tip:



Recommended Alignment Reference Line:  
TKA (Trochanter - Knee - Ankle)

## Ordering Information

The following ordering steps will help you determine the correct REF for the foot you want to order.

## How to Select a Toe Resistance Category

Adjusted Bodyweight = Sum of the user's bodyweight and the weight of loads routinely carried by the user. Select the toe resistance category from the chart below:

Adjusted Bodyweight/kg	Recommended Category
up to 49	1 = Very Low
50 - 68	2 = Low
69 - 86	3 = Regular
87 - 104	4 = High
105 - 122	5 = Very High
123 - 140	6 = Heavy Duty
141 - 160	7 = Heavy Duty

## Required Components for the Impulse Foot

To order a complete Impulse Foot, two components have to be selected.

- 1 Choose the right model, foot size, side and toe resistance:

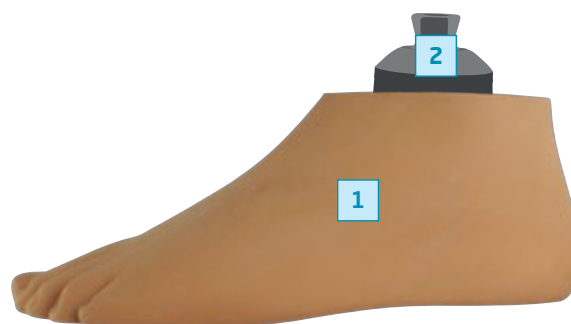
### Impulse Foot

- 2 Now select the ankle with the required ankle stiffness, or one of the alternative adapters:

### Impulse Ankle

- 3 Alternatively, select one of the other suitable adapters.

### Alternative Adapter



## 1: Select an Impulse Foot

The following specifications are needed to order an Impulse Foot:

	WW.IMPM-26LT-4L	Impulse Foot Ordering Example
Model	IMPM	IMPM = Impulse Foot
Foot Size	26	22 - 31 cm
Side	L	L=Left R=Right
Color	T	T=Tan
Toe Resistance Categories	4	1 - 7
Heel Height	L	L = 10 mm

## 2: Select a Matching Ankle

REF	Product
WW.IMPA-R	Impulse Ankle up to 68kg Red
WW.IMPA-B	Impulse Ankle 69-86kg Blue
WW.IMPA-Y	Impulse Ankle 87-104kg Yellow
WW.IMPA-G	Impulse Ankle 105-122kg Green
WW.IMPA-K	Impulse Ankle 123-140kg Black
WW.IMPA-W	Impulse Ankle 141-160kg White

## 3: Alternative Adapters

REF	Product
WW.2LTC-1208	Foot Pyramid TI f. Impulse&CCII Foot
WW.700-B116	Socket H.Cap Screw M10-1.5x43mm PU: 4pcs
WW.2LTC-1210	Impulse Foot Spacer Block
WW.3F-6CC-002	CarbonCopyII Interface Plate

Other versions of this foot are available as special order items with REF WW.IMPM-X.



WW.DWF-XXXX-X



3 Heel Inserts Included



Practical Tip:



Recommended Alignment Reference Line:  
TKA (Trochanter- Knee - Ankle)

DuraWalk Foot

The DuraWalk Foot features high-quality composite materials that so far have been only used for feet of a higher activity level. The combination of the composite material with urethane elements provides multiaxial function and the possibility to individually adjust the foot to the user's requirements. The flexible toe spring makes for stability on uneven terrain, while the multi-axial function allows for a smooth and energy-efficient gait cycle, thereby fully satisfying the needs of the foot's target user group. The DuraWalk Foot is suitable for users with a weight of up to 160 kg.



Technical Data

Weight of Foot/g	502 (Sz. 26, Adapter Included)
Weight Limit/kg	160
Available Foot Sizes/cm	23 - 30
System Height/mm	53
Heel Height/mm	10
Proximal Adapter	Pyramid Adapter
Toe Resistance Categories	1 - 5
Heel Insert Densities	Soft, Medium, Firm

## Ordering Information

The following ordering steps will help you determine the correct REF for the foot you want to order.

### How to Select a Toe Resistance Category

Adjusted Bodyweight = Sum of the user's bodyweight and the weight of loads routinely carried by the user.  
Select the toe resistance category from the chart below:

Adjusted Bodyweight/kg	Recommended Category
up to 68	1 = Very Low
69 - 90	2 = Low
91 - 113	3 = Regular
114 - 136	4 = High
137 - 160	5 = Very High

### Required Components for the DuraWalk Foot

To order a complete DuraWalk Foot, two components have to be selected. (The foot shank can be used for both the left and the right side. As a rule, the foot shank covers two sizes. The cosmesis comes in one specific size and for a specific side. Example: The desired foot is size 26, for the right side. Select foot shank Sz. 25-26 and cosmesis Sz. 26, right.)

- 1 First, choose the right foot shank category:

#### Foot Shank

- 2 Now select the desired foot cosmesis:

#### Foot Cosmesis

One Spectra Sock is included with every foot cosmesis.



## 1: Select a DuraWalk Carbon Foot Shank

REF	Foot Size/cm	Category
WW.DWF-2324-1	23 - 24	1
WW.DWF-2526-1	25 - 26	1
WW.DWF-2728-1	27 - 28	1
WW.DWF-2930-1	29 - 30	1

REF	Foot Size/cm	Category
WW.DWF-2324-2	23 - 24	2
WW.DWF-2526-2	25 - 26	2
WW.DWF-2728-2	27 - 28	2
WW.DWF-2930-2	29 - 30	2

REF	Foot Size/cm	Category
WW.DWF-2324-3	23 - 24	3
WW.DWF-2526-3	25 - 26	3
WW.DWF-2728-3	27 - 28	3
WW.DWF-2930-3	29 - 30	3

REF	Foot Size/cm	Category
WW.DWF-2324-4	23 - 24	4
WW.DWF-2526-4	25 - 26	4
WW.DWF-2728-4	27 - 28	4
WW.DWF-2930-4	29 - 30	4

REF	Foot Size/cm	Category
WW.DWF-2324-5	23 - 24	5
WW.DWF-2526-5	25 - 26	5
WW.DWF-2728-5	27 - 28	5
WW.DWF-2930-5	29 - 30	5

## 2: Select a Foot Cosmesis

REF	Foot Size/cm	Side
WW.FSDW-23LT	23	Left
WW.FSDW-24LT	24	Left
WW.FSDW-25LT	25	Left
WW.FSDW-26LT	26	Left
WW.FSDW-27LT	27	Left
WW.FSDW-28LT	28	Left
WW.FSDW-29LT	29	Left
WW.FSDW-30LT	30	Left

REF	Foot Size/cm	Side
WW.FSDW-23RT	23	Right
WW.FSDW-24RT	24	Right
WW.FSDW-25RT	25	Right
WW.FSDW-26RT	26	Right
WW.FSDW-27RT	27	Right
WW.FSDW-28RT	28	Right
WW.FSDW-29RT	29	Right
WW.FSDW-30RT	30	Right

## Optional Accessories

REF	Product
<b>WW.DWH-SF</b>	DuraWalk Heel Insert 23-26cm Firm
<b>WW.DWH-SM</b>	DuraWalk Heel Insert 23-26cm Medium
<b>WW.DWH-SS</b>	DuraWalk Heel Insert 23-26cm Soft

REF	Product
<b>WW.DWH-LF</b>	DuraWalk Heel Insert 27-30cm Firm
<b>WW.DWH-LM</b>	DuraWalk Heel Insert 27-30cm Medium
<b>WW.DWH-LS</b>	DuraWalk Heel Insert 27-30cm Soft

REF	Product
<b>WW.700-SS001</b>	WillowWood Spectra Sock

Other versions of the foot cosmesis in colors buff or medium brown are available as special order items with REF WW.FSDW-X.

MakStride Foot Series

MakStride Feet series were constructed in a way that effectively mimics the complex movements of the human foot. At the heart of the construction is the foot’s calf shank, which curves towards the heel and is shaped like an inverted letter “J”. This calf shank consists of multilayer carbon coils.

The calf shank functions both as a dynamic element for storing energy, and as a dynamic ankle. Upon heel strike, the impact forces are absorbed, while the lowering of the forefoot is initiated. During mid-stance phase, foot roll-over is exceptionally soft, without diminishing stability. Upon toe-off, the energy is transferred to the toe lever, so that forward motion can be initiated.

The UltraStride LP Plus Foot also features a dynamic heel spring. It dampens the impact during heel strike, and optimizes both the roll-over process and standing stability of the foot.



BQ.MX1-XX-XX

◆ NaturalStride BQ.MX1

The entryway to the world of MakStride feet. The NaturalStride Foot features the uniquely shaped MakStride calf shank to guarantee a high level of walking comfort for users of moderate activity. It offers a harmonic gait motion with very effective energy storage and simultaneous support of roll-over during mid-stance phase. Torsion is possible with the calf shank.

The long forefoot lever makes for a high level of knee stability.

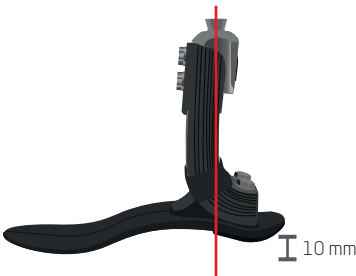


Technical Data

Weight of Foot/g	476 (Sz. 26, Pyramid Included)
Weight Limit/kg	136
Available Foot Sizes/cm	22 - 30
System Height*/mm	149
Heel Height/mm	10
Calf Shank Category	20 - 60

\*System Height/mm: Measured with cosmesis, from distal base of foot to proximal bearing surface of pylon adapter (without foot pyramid).

👍 Practical Tip:



The Recommended Alignment Reference Line should run through the center of the pyramid. Allow for a 10mm heel.

## Ordering Information

The following ordering steps will help you determine the correct REF for the foot you want to order.

### How to Select a Calf Shank Category

Adjusted Bodyweight = Sum of the user's bodyweight and the weight of loads routinely carried by the user. Select the calf shank category from the chart below:

Adjusted Bodyweight/kg	Recommended Category
up to 60	20
60 - 85	30
85 - 103	40
103 - 125	50
125 - 136	60

### Required Components for the NaturalStride Foot

To order a complete NaturalStride Foot, two components have to be selected.

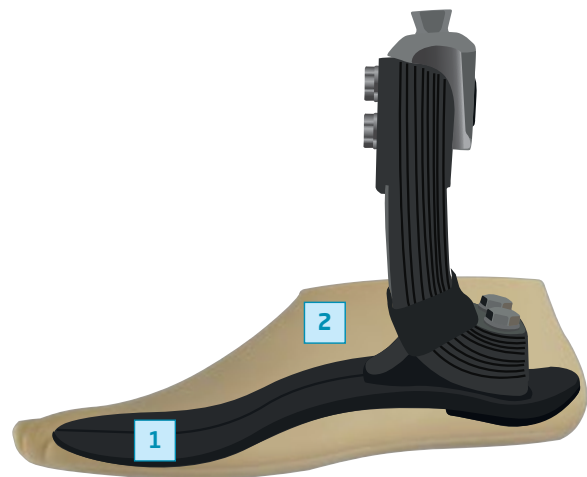
- 1 First, choose the right category for the calf shank and the foot size:

**NaturalStride Carbon Calf Shank**

- 2 Now select the size and side of the foot cosmesis:

**Foot Cosmesis**

One Spectra Sock is included with every foot cosmesis.



## 1: Select a NaturalStride Carbon Calf Shank

REF	Foot Size/cm	Category
BQ.MX1-20-22	22	20
BQ.MX1-20-23	23	20
BQ.MX1-20-24	24	20
BQ.MX1-20-25	25	20
BQ.MX1-20-26	26	20
BQ.MX1-20-27	27	20
BQ.MX1-20-28	28	20
BQ.MX1-20-29	29	20
BQ.MX1-20-30	30	20

REF	Foot Size/cm	Category
BQ.MX1-30-22	22	30
BQ.MX1-30-23	23	30
BQ.MX1-30-24	24	30
BQ.MX1-30-25	25	30
BQ.MX1-30-26	26	30
BQ.MX1-30-27	27	30
BQ.MX1-30-28	28	30
BQ.MX1-30-29	29	30
BQ.MX1-30-30	30	30

REF	Foot Size/cm	Category
BQ.MX1-40-22	22	40
BQ.MX1-40-23	23	40
BQ.MX1-40-24	24	40
BQ.MX1-40-25	25	40
BQ.MX1-40-26	26	40
BQ.MX1-40-27	27	40
BQ.MX1-40-28	28	40
BQ.MX1-40-29	29	40
BQ.MX1-40-30	30	40

REF	Foot Size/cm	Category
BQ.MX1-50-22	22	50
BQ.MX1-50-23	23	50
BQ.MX1-50-24	24	50
BQ.MX1-50-25	25	50
BQ.MX1-50-26	26	50
BQ.MX1-50-27	27	50
BQ.MX1-50-28	28	50
BQ.MX1-50-29	29	50
BQ.MX1-50-30	30	50

REF	Foot Size/cm	Category
BQ.MX1-60-22	22	60
BQ.MX1-60-23	23	60
BQ.MX1-60-24	24	60
BQ.MX1-60-25	25	60
BQ.MX1-60-26	26	60
BQ.MX1-60-27	27	60
BQ.MX1-60-28	28	60
BQ.MX1-60-29	29	60
BQ.MX1-60-30	30	60

## 2: Select a Foot Cosmesis

REF	Foot Size/cm	Side
BQ.LFS-22	22	Left
BQ.LFS-23	23	Left
BQ.LFS-24	24	Left
BQ.LFS-25	25	Left
BQ.LFS-26	26	Left
BQ.LFS-27	27	Left
BQ.LFS-28	28	Left
BQ.LFS-29	29	Left
BQ.LFS-30	30	Left

REF	Foot Size/cm	Side
BQ.RFS-22	22	Right
BQ.RFS-23	23	Right
BQ.RFS-24	24	Right
BQ.RFS-25	25	Right
BQ.RFS-26	26	Right
BQ.RFS-27	27	Right
BQ.RFS-28	28	Right
BQ.RFS-29	29	Right
BQ.RFS-30	30	Right

## Optional Accessories

REF	Product
BQ.SPS	MakStride Spectra Sock



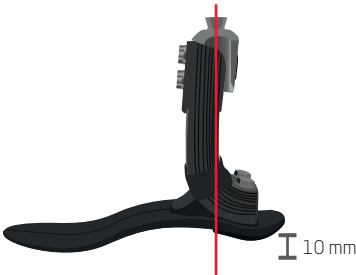
BQ.MX3-XX-XX

◆ UltraStride BQ.MX3

The UltraStride Foot features a version of the longitudinally split calf shank which allows for good torsionability, making it especially suitable for AK amputees. The longitudinally split carbon foot plate facilitates an even better adaptation to the ground. This is especially noticeable when the user walks on surfaces that are tilted sideways. The split design of the calf shank is also the reason for the shank's extreme torsionability. The UltraStride Foot is ideal for users with activity levels 3 and 4, and the foot's power reserves make it possible to use it when doing leisure and amateur sports. The long forefoot lever makes for a high level of knee stability.



 Practical Tip:



The Recommended Alignment Reference Line should run through the center of the pyramid. Allow for a 10 mm heel.

Technical Data

Weight of Foot/g	535 (Sz. 26, Pyramid Included)
Weight Limit/kg	136
Available Foot Sizes/cm	22 - 30
System Height*/mm	189
Heel Height/mm	10
Calf Shank Category	10 - 60

\*System Height/mm: Measured with cosmesis, from distal base of foot to proximal bearing surface of pylon adapter (without foot pyramid).

## Ordering Information

The following ordering steps will help you determine the correct REF for the foot you want to order.

### How to Select a Calf Shank Category

Adjusted Bodyweight = Sum of the user's bodyweight and the weight of loads routinely carried by the user. Select the calf shank category from the chart below:

Adjusted Bodyweight/kg	Recommended Category
up to 40	10
40 - 55	20
55 - 80	30
80 - 100	40
100 - 120	50
120 - 136	60

### Required Components for the UltraStride Foot

To order a complete UltraStride Foot, two components have to be selected.  
(Example: The desired foot is size 26, for the right side. Select foot shank Sz. 26 and cosmesis Sz. 26, right.)

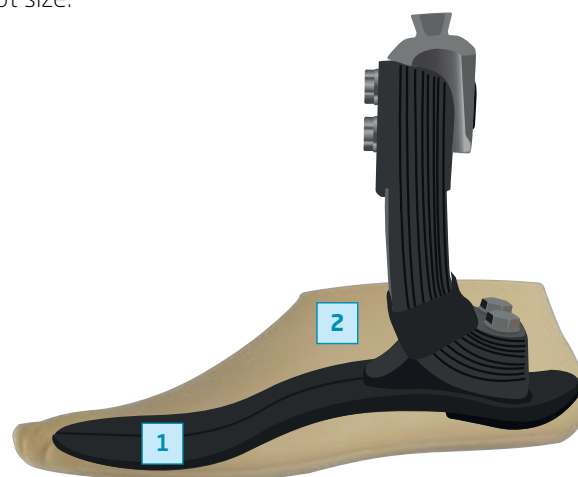
- 1 First, choose the right category for the calf shank and the foot size:

**UltraStride Carbon Calf Shank**

- 2 Now select the size and side of the foot cosmesis:

**Foot Cosmesis**

One Spectra Sock is included with every foot cosmesis.



## 1: Select an UltraStride Carbon Calf Shank

REF	Foot Size/cm	Category
BQ.MX3-10-22	22	10
BQ.MX3-10-23	23	10
BQ.MX3-10-24	24	10
BQ.MX3-10-25	25	10
BQ.MX3-10-26	26	10
BQ.MX3-10-27	27	10
BQ.MX3-10-28	28	10
BQ.MX3-10-29	29	10
BQ.MX3-10-30	30	10

REF	Foot Size/cm	Category
BQ.MX3-20-22	22	20
BQ.MX3-20-23	23	20
BQ.MX3-20-24	24	20
BQ.MX3-20-25	25	20
BQ.MX3-20-26	26	20
BQ.MX3-20-27	27	20
BQ.MX3-20-28	28	20
BQ.MX3-20-29	29	20
BQ.MX3-20-30	30	20

REF	Foot Size/cm	Category
BQ.MX3-30-22	22	30
BQ.MX3-30-23	23	30
BQ.MX3-30-24	24	30
BQ.MX3-30-25	25	30
BQ.MX3-30-26	26	30
BQ.MX3-30-27	27	30
BQ.MX3-30-28	28	30
BQ.MX3-30-29	29	30
BQ.MX3-30-30	30	30

REF	Foot Size/cm	Category
BQ.MX3-40-22	22	40
BQ.MX3-40-23	23	40
BQ.MX3-40-24	24	40
BQ.MX3-40-25	25	40
BQ.MX3-40-26	26	40
BQ.MX3-40-27	27	40
BQ.MX3-40-28	28	40
BQ.MX3-40-29	29	40
BQ.MX3-40-30	30	40

REF	Foot Size/cm	Category
BQ.MX3-50-22	22	50
BQ.MX3-50-23	23	50
BQ.MX3-50-24	24	50
BQ.MX3-50-25	25	50
BQ.MX3-50-26	26	50
BQ.MX3-50-27	27	50
BQ.MX3-50-28	28	50
BQ.MX3-50-29	29	50
BQ.MX3-50-30	30	50

REF	Foot Size/cm	Category
BQ.MX3-60-22	22	60
BQ.MX3-60-23	23	60
BQ.MX3-60-24	24	60
BQ.MX3-60-25	25	60
BQ.MX3-60-26	26	60
BQ.MX3-60-27	27	60
BQ.MX3-60-28	28	60
BQ.MX3-60-29	29	60
BQ.MX3-60-30	30	60

## 2: Select a Foot Cosmesis

REF	Foot Size/cm	Side
BQ.LFS-22	22	Left
BQ.LFS-23	23	Left
BQ.LFS-24	24	Left
BQ.LFS-25	25	Left
BQ.LFS-26	26	Left
BQ.LFS-27	27	Left
BQ.LFS-28	28	Left
BQ.LFS-29	29	Left
BQ.LFS-30	30	Left

REF	Foot Size/cm	Side
BQ.RFS-22	22	Right
BQ.RFS-23	23	Right
BQ.RFS-24	24	Right
BQ.RFS-25	25	Right
BQ.RFS-26	26	Right
BQ.RFS-27	27	Right
BQ.RFS-28	28	Right
BQ.RFS-29	29	Right
BQ.RFS-30	30	Right

## Optional Accessories

REF	Product
BQ.SPS	MakStride Spectra Sock



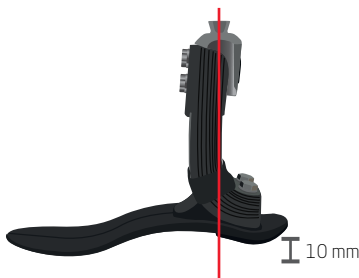
BQ.MX4-XX-XX

◆ UltraStride LP BQ.MX4

The UltraStride LP Foot is the low profile version of the UltraStride Foot. It offers almost identical dynamic features while having a low construction height that makes it suitable for users with long residual limbs or knee joints with a high construction height. Its calf shank is also longitudinally split, giving it great torsionability. The foot is also very suitable for walking on tilted surfaces or uneven grounds. The UltraStride LP BQ.MX4 allows for a harmonious gait pattern with a high level of energy return, while offering dynamic support during mid-stance roll-over. The long forefoot lever makes for a high level of knee stability.



 **Practical Tip:**



The Recommended Alignment Reference Line should run through the center of the pyramid. Allow for a 10 mm heel.

**Technical Data**

Weight of Foot/g	472 (Sz. 26, Pyramid Included)
Weight Limit/kg	136
Available Foot Sizes/cm	22 - 30
System Height*/mm	149
Heel Height/mm	10
Calf Shank Category	20 - 60

\*System Height/mm: Measured with cosmesis, from distal base of foot to proximal bearing surface of pylon adapter (without foot pyramid).

## Ordering Information

The following ordering steps will help you determine the correct REF for the foot you want to order.

### How to Select a Calf Shank Category

Adjusted Bodyweight = Sum of the user's bodyweight and the weight of loads routinely carried by the user. Select the calf shank category from the chart below:

Adjusted Bodyweight/kg	Recommended Category
up to 60	20
60 - 85	30
85 - 103	40
103 - 125	50
125 - 136	60

### Required Components for the UltraStride LP Foot

To order a complete UltraStride LP Foot, two components have to be selected.  
(Example: The desired foot is size 26, for the right side. Select foot shank Sz. 26 and cosmesis Sz. 26, right.)

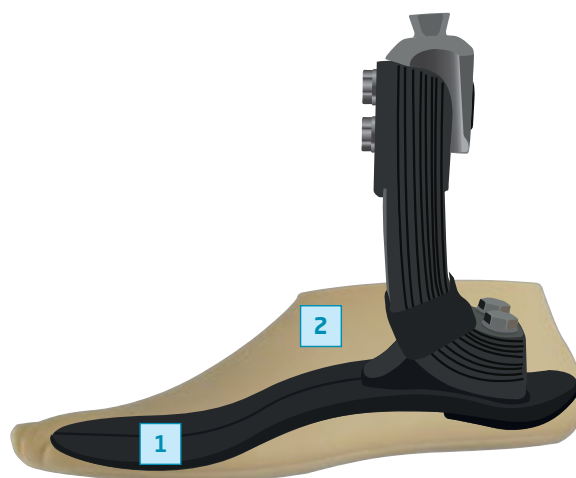
- 1 First, choose the right category for the calf shank and the foot size:

**UltraStride LP Carbon Calf Shank**

- 2 Now select the size and side of the foot cosmesis:

**Foot Cosmesis**

One Spectra Sock is included with every foot cosmesis.



## 1: Select an UltraStride LP Carbon Calf Shank

REF	Foot Size/cm	Category
BQ.MX4-20-22	22	20
BQ.MX4-20-23	23	20
BQ.MX4-20-24	24	20
BQ.MX4-20-25	25	20
BQ.MX4-20-26	26	20
BQ.MX4-20-27	27	20
BQ.MX4-20-28	28	20
BQ.MX4-20-29	29	20
BQ.MX4-20-30	30	20

REF	Foot Size/cm	Category
BQ.MX4-30-22	22	30
BQ.MX4-30-23	23	30
BQ.MX4-30-24	24	30
BQ.MX4-30-25	25	30
BQ.MX4-30-26	26	30
BQ.MX4-30-27	27	30
BQ.MX4-30-28	28	30
BQ.MX4-30-29	29	30
BQ.MX4-30-30	30	30

REF	Foot Size/cm	Category
BQ.MX4-40-22	22	40
BQ.MX4-40-23	23	40
BQ.MX4-40-24	24	40
BQ.MX4-40-25	25	40
BQ.MX4-40-26	26	40
BQ.MX4-40-27	27	40
BQ.MX4-40-28	28	40
BQ.MX4-40-29	29	40
BQ.MX4-40-30	30	40

REF	Foot Size/cm	Category
BQ.MX4-50-22	22	50
BQ.MX4-50-23	23	50
BQ.MX4-50-24	24	50
BQ.MX4-50-25	25	50
BQ.MX4-50-26	26	50
BQ.MX4-50-27	27	50
BQ.MX4-50-28	28	50
BQ.MX4-50-29	29	50
BQ.MX4-50-30	30	50

REF	Foot Size/cm	Category
BQ.MX4-60-22	22	60
BQ.MX4-60-23	23	60
BQ.MX4-60-24	24	60
BQ.MX4-60-25	25	60
BQ.MX4-60-26	26	60
BQ.MX4-60-27	27	60
BQ.MX4-60-28	28	60
BQ.MX4-60-29	29	60
BQ.MX4-60-30	30	60

## 2: Select a Foot Cosmesis

REF	Foot Size/cm	Side
BQ.LFS-22	22	Left
BQ.LFS-23	23	Left
BQ.LFS-24	24	Left
BQ.LFS-25	25	Left
BQ.LFS-26	26	Left
BQ.LFS-27	27	Left
BQ.LFS-28	28	Left
BQ.LFS-29	29	Left
BQ.LFS-30	30	Left

Fußkosmetik-REF	Foot Size/cm	Side
BQ.RFS-22	22	Right
BQ.RFS-23	23	Right
BQ.RFS-24	24	Right
BQ.RFS-25	25	Right
BQ.RFS-26	26	Right
BQ.RFS-27	27	Right
BQ.RFS-28	28	Right
BQ.RFS-29	29	Right
BQ.RFS-30	30	Right

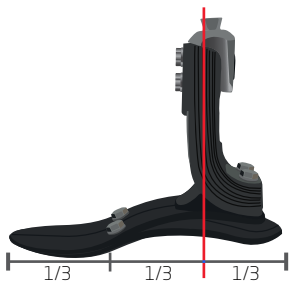
## Optional Accessories

REF	Product
BQ.SPS	MakStride Spectra Sock



BQ.MX5-XX-XX

 **Practical Tip:**



- Divide the foot into three thirds.
- The alignment reference line should run from the center of the socket entry plane through the centerpoint between the two posterior thirds.

◆ **UltraStride LP Plus BQ.MX5**

The UltraStride LP Plus Foot is the advanced version of the tried-and-trusted MakStride feet. It features an energy efficient-heel spring. This allows the user to profit from both a pleasantly soft heel strike, and also further improves the behavior of the foot during roll-over.

Like the UltraStride LP, the UltraStride LP Plus features a longitudinally split calf shank, which allows for great torsion and optimum adaptation to the ground. The heel spring gets pre-selected according to the desired category. A set of elastomer heel spring wedges is included with the foot. These wedges make it possible to individually adjust the behavior of the spring and the interaction between forefoot and heel.



**Technical Data**

Weight of Foot/g	608 (Sz. 26, Pyramid Included)
Weight Limit/kg	136
Available Foot Sizes/cm	25 - 30
System Height*/mm	169
Heel Height/mm	10
Calf Shank Category	20 - 60
Heel Spring Wedges	Kit Included

\*System Height/mm: Measured with cosmesis, from distal base of foot to proximal bearing surface of pylon adapter (without foot pyramid).

## Ordering Information

The following ordering steps will help you determine the correct REF for the foot you want to order.

### How to Select a Calf Shank Category

Adjusted Bodyweight = Sum of the user's bodyweight and the weight of loads routinely carried by the user. Select the calf shank category from the chart below:

Adjusted Bodyweight/kg	Recommended Category
up to 60	20
60 - 85	30
85 - 103	40
103 - 125	50
125 - 136	60

### Required Components for the UltraStride LP Plus Foot

To order a complete UltraStride LP Plus Foot, two components have to be selected.  
(Example: The desired foot is size 26, for the right side. Select foot shank Sz. 26 and cosmesis Sz. 26, right.)

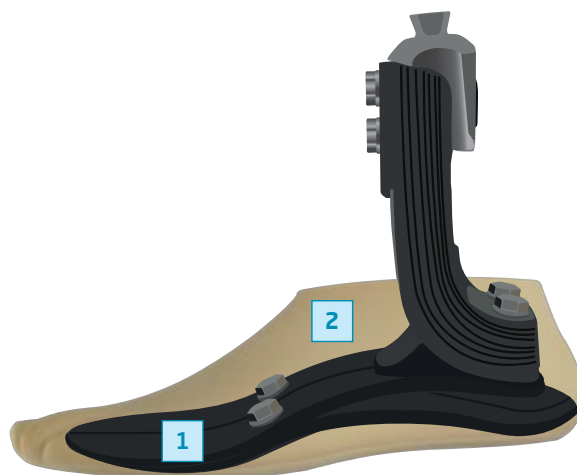
- 1 First, choose the right category for the calf shank and the foot size:

**UltraStride LP Plus Carbon Calf Shank**

- 2 Now select the size and side of the foot cosmesis:

**Foot Cosmesis**

One Spectra Sock is included with every foot cosmesis.



## 1: Select the UltraStride LP Plus Carbon Calf Shank

REF	Foot Size/cm	Category
BQ.MX5-20-25	25	20
BQ.MX5-20-26	26	20
BQ.MX5-20-27	27	20
BQ.MX5-20-28	28	20
BQ.MX5-20-29	29	20
BQ.MX5-20-30	30	20

REF	Foot Size/cm	Category
BQ.MX5-30-25	25	30
BQ.MX5-30-26	26	30
BQ.MX5-30-27	27	30
BQ.MX5-30-28	28	30
BQ.MX5-30-29	29	30
BQ.MX5-30-30	30	30

REF	Foot Size/cm	Category
BQ.MX5-40-25	25	40
BQ.MX5-40-26	26	40
BQ.MX5-40-27	27	40
BQ.MX5-40-28	28	40
BQ.MX5-40-29	29	40
BQ.MX5-40-30	30	40

REF	Foot Size/cm	Category
BQ.MX5-50-25	25	50
BQ.MX5-50-26	26	50
BQ.MX5-50-27	27	50
BQ.MX5-50-28	28	50
BQ.MX5-50-29	29	50
BQ.MX5-50-30	30	50

REF	Foot Size/cm	Category
BQ.MX5-60-25	25	60
BQ.MX5-60-26	26	60
BQ.MX5-60-27	27	60
BQ.MX5-60-28	28	60
BQ.MX5-60-29	29	60
BQ.MX5-60-30	30	60

## 2: Select a Foot Cosmesis

REF	Foot Size/cm	Side
BQ.LFS-25	25	Left
BQ.LFS-26	26	Left
BQ.LFS-27	27	Left
BQ.LFS-28	28	Left
BQ.LFS-29	29	Left
BQ.LFS-30	30	Left

Fußkosmetik-REF	Foot Size/cm	Side
BQ.RFS-25	25	Right
BQ.RFS-26	26	Right
BQ.RFS-27	27	Right
BQ.RFS-28	28	Right
BQ.RFS-29	29	Right
BQ.RFS-30	30	Right

## Optional Accessories

REF	Product
BQ.SPS	MakStride Spectra Sock



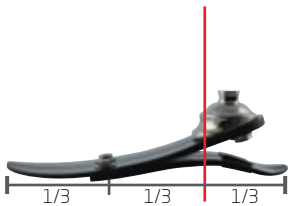
◆ LowStride BQ.MX6

The Low Stride Foot is a foot with an especially low overall height. Due to its split carbon foot plate it adapts very well to the ground, which is helpful when e.g. walking on a sloped surface.

Considering its low overall height, the LowStride Foot offers good energy storage for a dynamic gait, especially thanks to the high quality of the carbon fibers used to construct it.



 Practical Tip:



- Divide the foot into three thirds.
- The alignment reference line should run from the center of the socket entry plane through the centerpoint between the two posterior thirds.

Technical Data

Weight of Foot/g	336 (Sz. 26, Pyramid Included)
Weight Limit/kg	136
Available Foot Sizes/cm	25 - 30
System Height*/mm	69
Heel Height/mm	10
Calf Shank Category	20 - 60

\*System Height/mm: Measured with cosmesis, from distal base of foot to proximal bearing surface of pylon adapter (without foot pyramid).

## Ordering Information

The following ordering steps will help you determine the correct REF for the foot you want to order.

### How to Select a Foot Shank Category

Adjusted Bodyweight = Sum of the user's bodyweight and the weight of loads routinely carried by the user.  
Select the foot shank category from the chart below:

Adjusted Bodyweight/kg	Recommended Category
up to 60	20
60 - 85	30
85 - 103	40
103 - 125	50
125 - 136	60

### Required Components for the LowStride Foot

To order a complete LowStride Foot, two components have to be selected.  
(Example: The desired foot is size 26, for the right side. Select foot shank Sz. 26 and cosmesis Sz. 26, right.)

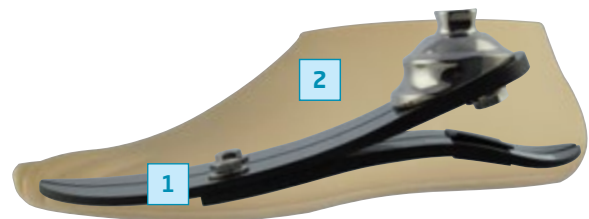
- 1 First, choose the right category and size for the foot shank:

**LowStride Carbon Foot Shank**

- 2 Now select the size and side of the foot cosmesis:

**Foot Cosmesis**

One Spectra Sock is included with every foot cosmesis.



## 1: Select the Low Stride Carbon Foot Shank

REF	Foot Size/cm	Category
BQ.MX6-20-25	25	20
BQ.MX6-20-26	26	20
BQ.MX6-20-27	27	20
BQ.MX6-20-28	28	20
BQ.MX6-20-29	29	20
BQ.MX6-20-30	30	20

REF	Foot Size/cm	Category
BQ.MX6-30-25	25	30
BQ.MX6-30-26	26	30
BQ.MX6-30-27	27	30
BQ.MX6-30-28	28	30
BQ.MX6-30-29	29	30
BQ.MX6-30-30	30	30

REF	Foot Size/cm	Category
BQ.MX6-40-25	25	40
BQ.MX6-40-26	26	40
BQ.MX6-40-27	27	40
BQ.MX6-40-28	28	40
BQ.MX6-40-29	29	40
BQ.MX6-40-30	30	40

REF	Foot Size/cm	Category
BQ.MX6-50-25	25	50
BQ.MX6-50-26	26	50
BQ.MX6-50-27	27	50
BQ.MX6-50-28	28	50
BQ.MX6-50-29	29	50
BQ.MX6-50-30	30	50

REF	Foot Size/cm	Category
BQ.MX6-60-25	25	60
BQ.MX6-60-26	26	60
BQ.MX6-60-27	27	60
BQ.MX6-60-28	28	60
BQ.MX6-60-29	29	60
BQ.MX6-60-30	30	60

## 2: Select a Foot Cosmesis

REF	Foot Size/cm	Side
BQ.LFS-25	25	Left
BQ.LFS-26	26	Left
BQ.LFS-27	27	Left
BQ.LFS-28	28	Left
BQ.LFS-29	29	Left
BQ.LFS-30	30	Left

REF	Foot Size/cm	Side
BQ.RFS-25	25	Right
BQ.RFS-26	26	Right
BQ.RFS-27	27	Right
BQ.RFS-28	28	Right
BQ.RFS-29	29	Right
BQ.RFS-30	30	Right

## Optional Accessories

REF	Product
BQ.SPS	MakStride Spectra Sock



# Modular Adapters

Pylon Adapters  
Aluminum Tubes  
Tube Clamp Adapter  
4-Hole Adapters  
Dual Receiver Adapter, Titanium  
Dual Pyramid Receiver, Titanium  
3-Prong Adapters  
4-Prong Adapter



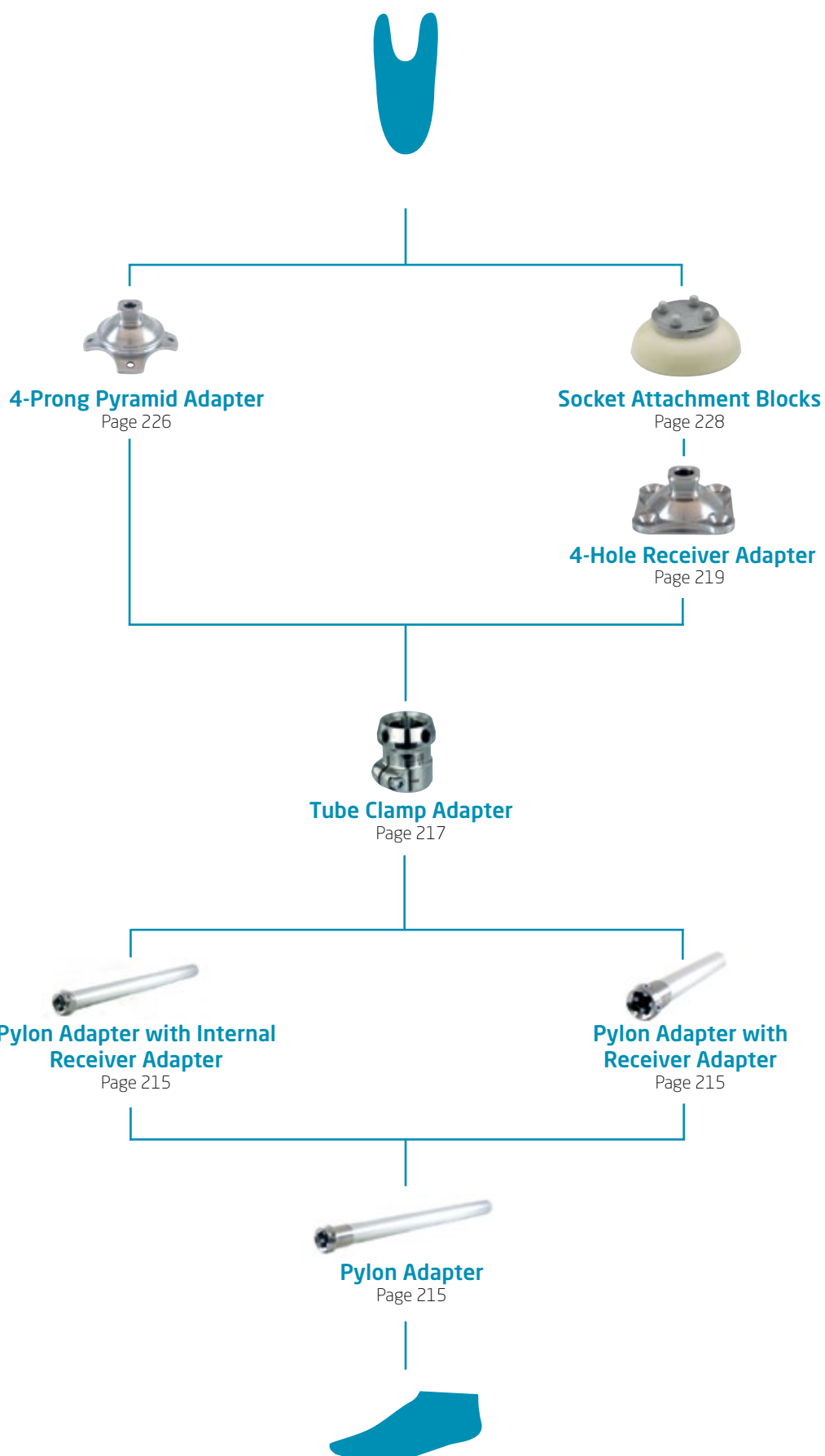
## • Configuration Options BK

### Adapter Weights:

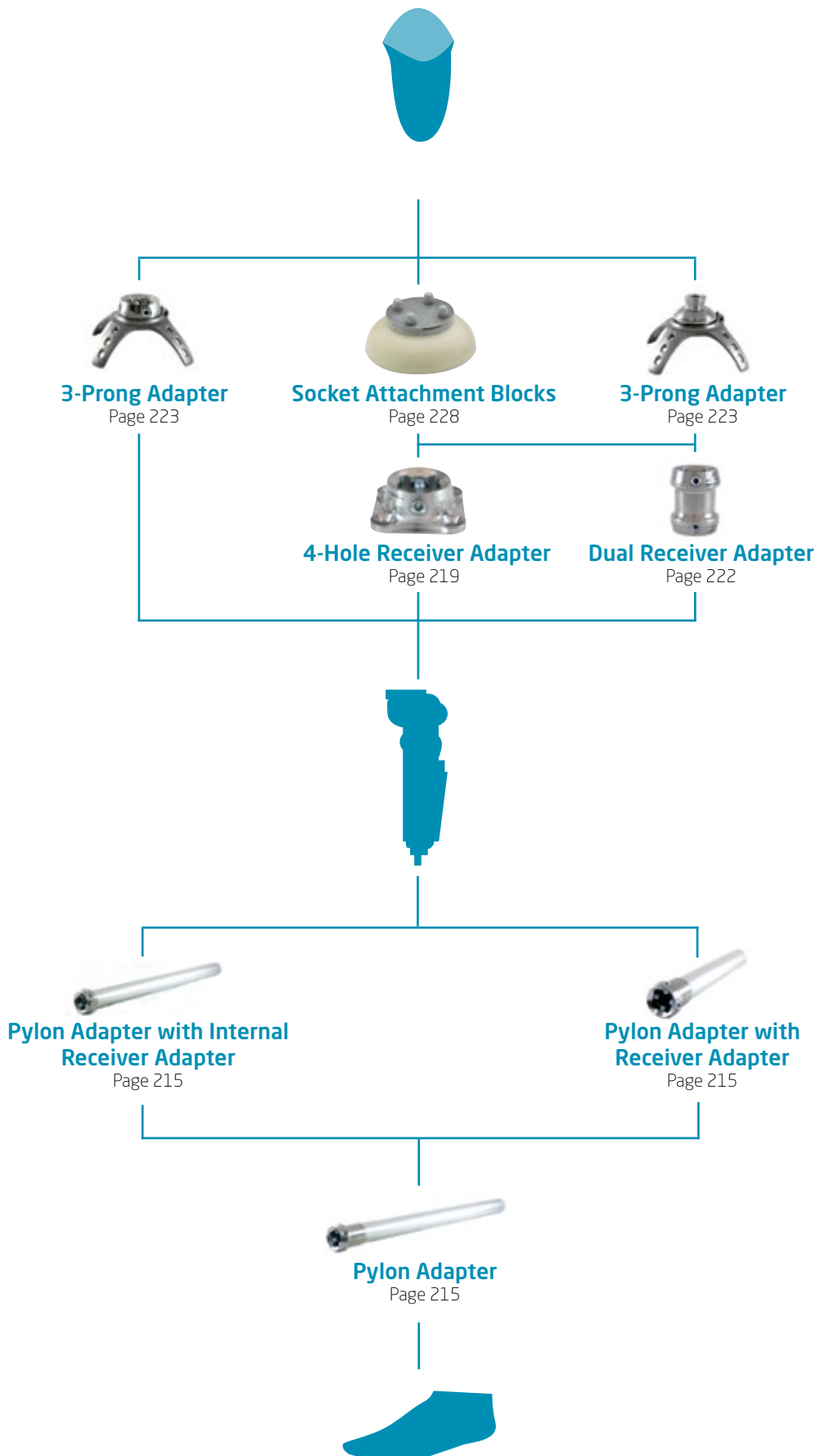
Adapter weights are given in grams. The listed weights refer to the weight of the adapter including the required screws. These screws are either already installed on the adapter (e.g. dual adapter REF AP.TI-145D, including 8 hex screws) or included with the adapter (e.g. 4-hole adapter with pyramid REF AP.TI-425BH-W, including 4 flat head cap screws). Other screws which may be included in the delivery as an alternative to the regular screws were not considered when the adapter weight was determined.

### System Height of Adapters:

The system height may differ from the total length of the adapter. The term "system height" describes the height of an adapter when combined with other adapters. This accounts for the fact that, e.g., the total length of a pyramid adapter and a pyramid receiver will be reduced by the depth of immersion of the pyramid once the two elements are combined with each other. For pylon adapters, maximum system heights are listed.



## • Configuration Options AK



### Technician's Tip:



A wide range of adapters that can be used for more complicated cases are available in addition to the standard adapters.

## ◆ Modular Adapters

Teufel offers a large portfolio of modular adapters for almost all possible assembly requirements. Different material product lines and weight limits make it possible to select the ideal product for each individual amputee's situation.

### Titanium Adapters



High quality materials and precise fabrication standards make for the exceptionally high weight limits of our titanium adapters. All adapters are compatible with 30mm pylon systems.

### Waterproof Adapters



Many adapters are also available as a waterproof version. See chapter "Waterproof Adapters", starting on page 239, for more information.

### Aluminum Adapters



Aluminum adapters are characterized by their light weight with a simultaneous high weight limit. They are designed for everyday use for users with activity level 1-3.

### Stainless Steel Adapters



Stainless steel adapters complement all product lines. They can be used for all activity levels.

\* The listed weight limit applies to the majority of adapters made of this material. However, always consider the weight limits specifically given for the selected adapter, since these may deviate from the general limits. Specific weight limits are given for the individual products.

The table below explains all the abbreviations that may be found on the product label of an adapter.

Abbreviation	Explanation
A	Activity, specifies the maximum activity level
AG	External thread, referring to socket adapters, 36 mm
IG	Internal thread, referring to socket adapters, 36 mm
IK	Internal receiver adapter, referring to pylon adapters
L	Total length of the component
S	System height, specifies the final overall height when multiple adapters are combined
V	Slide range, specifies the maximum possible shift. Shorter slide distances can be set continuously.
Vs	Offset, specifies the offset distance of adapters. The offset distance is fixed.
W	Waterproof, the components can be used in prostheses that are waterproof in fresh water.

AP.TI-10TC/AP.TI-17TC/  
AP.SS-10TC/AP.SS-17TC

Receiver Adapter

Internal Receiver  
Adapter

## ◆ Pylon Adapters

### • Pylon Adapter with Receiver Adapter

Pylon adapter Ø 30 mm, titanium, stainless steel or aluminum, partly available in a long or short version, 3 different weight categories, with receiver adapter.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.TI-10TC	268	230	166	Titanium	DIN 913 DIN 913	4x M8x16 2x M8x12	15 Nm 15 Nm
AP.TI-17TC	446	349	166	Titanium	DIN 913 DIN 913	4x M8x16 2x M8x12	15 Nm 15 Nm
AP.SS-10TC	268	278	136	Stainless Steel	DIN 913 DIN 913	4x M8x16 2x M8x12	15 Nm 15 Nm
AP.SS-17TC	446	394	136	Stainless Steel	DIN 913 DIN 913	4x M8x16 2x M8x12	15 Nm 15 Nm



KA.AL-17TC

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
KA.AL-17TC	430	370	125	Aluminum	DIN 913	4x M8x16	15 Nm



AP.TI-10TC-I/AP.TI-17TC-I



Receiver Adapter

Internal Receiver  
Adapter

### • Pylon Adapter with Internal Receiver Adapter

Titanium Pylon Adapter, Ø 30 mm, short or long version, with internal receiver adapter.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.TI-10TC-I	276	235	166	Titanium	DIN 913 DIN 913	4x M8x16 2x M8x12	15 Nm 15 Nm
AP.TI-17TC-I	455	354	166	Titanium	DIN 913 DIN 913	4x M8x16 2x M8x12	15 Nm 15 Nm



APT.I-110AT

### • Pylon Adapter

Pylon adapter, with pyramid receiver.

Since this titanium adapter is manufactured from one piece, including the pylon, we do not recommend shortening it. Yet, if desired, the adapter can be shortened with a saw.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
APT.I-110AT	19/Total Length 97	113	166	Titanium	DIN 913 DIN 913	4x M8x16 2x M8x12	15 Nm 15 Nm



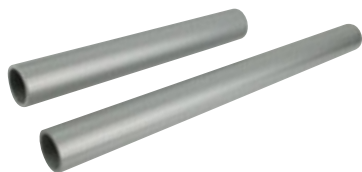
APT.I-112-P-W

### • Pylon Adapter

Pylon adapter, with pyramid.

The pylon adapter can be used to e.g. add a pyramid adapter to the the distal pylon adapter of a knee joint.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	
APT.I-112-P-W	16/Total Length 60	88	166	Titanium	n/a	



AP.AL-1XT2

### ◆ Aluminum Tubes

Ø 30mm, short and long version. These are the original tubes for our pylon adapters.



REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	
AP.AL-10T2	254	167	166	Aluminum	n/a	
AP.AL-17T2	430	284	166	Aluminum	n/a	



AP.TI-100C/AP.SS-100C/AP.TI-100C-W

### ◆ Tube Clamp Adapter

Tube clamp adapter, Ø 30 mm, made of titanium, stainless steel or aluminum. Available with three different weight limits.

The titanium and stainless steel adapters are both available in two versions ("C" or "C-FL"), which differ in the aspects described below:

"C": Made from a titanium blank with a larger diameter to allow for a very large clamping range of the clamping screw, which is far above the required standard.

"C-FL": Made from a titanium blank which allows for a clamping range of the clamping screw which is larger than the required standard. Version "C-FL" is slightly lighter than version "C".



AP.TI-100C



AP.TI-100C-FL

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.TI-100C	46	85	166	Titanium	DIN 913 DIN 913 DIN 912 12.9	4x M8x16 2x M8x12 1x M5x20 1x Spring Washer M5	15 Nm 15 Nm 9 Nm
AP.SS-100C	44	139	136	Stainless Steel	DIN 913 DIN 913 DIN 912 12.9	4x M8x16 2x M8x12 1x M5x20 1x Spring Washer M5	15 Nm 15 Nm 9 Nm
AP.TI-100C-FL	46	82	166	Titanium	DIN 913 DIN 913 DIN 912 12.9	4x M8x16 2x M8x12 1x M5x20	15 Nm 15 Nm 9 Nm
AP.SS-100C-FL	44	136	136	Stainless Steel	DIN 913 DIN 913 DIN 912 12.9	4x M8x16 2x M8x12 1x M5x20	15 Nm 15 Nm 9 Nm



KA.AL-100C

Aluminum tube clamp adapter, Ø 30 mm.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
KA.AL-100C	54	108	125	Aluminum	DIN 913 DIN 912 12.9	4x M8x16 1x M5x25	15 Nm 9 Nm



AP.TI-105C



### • Tube Clamp Adapter with Offset

Titanium tube clamp adapter with pyramid receiver and 5 mm offset.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.TI-105C	48	113	166	Titanium	DIN 913 DIN 913 DIN 912 12.9	4x M8x16 2x M8x12 1x M5x20 1x Spring Washer M5	15 Nm 15 Nm 9 Nm



AP.TI-120P

### • Tube Clamp Adapter, with Pyramid

Titanium tube clamp adapter Ø 30 mm, with pyramid.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.TI-120P	32	82	166	Titanium	DIN 912 12.9	1x M5x20 1x Spring Washer M5	9 Nm



AP.TI-450BF/AP.SS-450BF



AP.SS-425BH/AP.TI-425BH-W

## ◆ 4-Hole Adapters

### • 4-Hole Adapter

4-hole receiver adapter, titanium or stainless steel, with pyramid receiver or pyramid, 2 different weight limits.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.TI-450BF	18	82	166	Titanium	DIN 913 DIN 913 DIN 7991 10.9	4x M8x16 2x M8x12 4x M6x20	15 Nm 15 Nm
AP.TI-425BH	8	57	166	Titanium	DIN 7991 10.9	4x M6x16	
AP.SS-450BF	18	130	136	Stainless Steel	DIN 913 DIN 913 DIN 7991 10.9	4x M8x16 2x M8x12 4x M6x20	15 Nm 15 Nm
AP.SS-425BH	7	108	136	Stainless Steel	DIN 7991 10.9	4x M6x20	



—20 mm→

WW.FND-224120



←5 mm—

AP.TI-400A-W



↓5 mm  
←5 mm—

AP.TI-400D-W

### • 4-Hole Receiver Adapter, with Offset

4-hole titanium adapter, axial or diagonal offset.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	
WW.FND-224120	9	93	115	Titanium	ISO 10642 A2	4x M6x16
AP.TI-400A-W	8	77	166	Titanium	ISO 10642	4x M6x20 T6
AP.TI-400D-W	8	79	166	Titanium	ISO 10642	4x M6x20 T6



AP.TI-460B



AP.TI-50FS



AP.TI-00MS

### • 4-Hole Adapter, with Rotatable Insert, Titanium

Titanium 4-hole adapter, rotatable, with pyramid receiver or pyramid.

Please select the two REFs of your desired combination.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.TI-460B	10	68	166	Titanium	DIN 912 12.9 DIN 7991 10.9 DIN 912 12.9	2x M6x25 2x M6x25 1x M5x20 1x Spring Washer M5	15 Nm 15 Nm 9 Nm
Combinable with							
AP.TI-50FS	13	51	166	Titanium	DIN 913 DIN 913	4x M8x16 2x M8x12	15 Nm 15 Nm
AP.TI-00MS	6	45	166	Titanium	n/a		



AP.SS-460TB



AP.SS-50FS



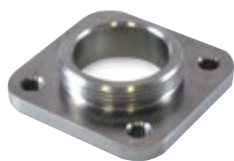
AP.SS-00MS

### • 4-Hole Adapter, with Rotatable Insert, Stainless Steel

Stainless steel 4-hole adapter, rotatable, with pyramid receiver or pyramid.

Please select the two REFs of your desired combination.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.SS-460TB	10	94	136	Stainless Steel	ISO 7991 10.9 DIN 912 12.9	4x M6x25 1x M6x20 1x Spring Washer M6	15 Nm 15 Nm
Combinable with							
AP.SS-50FS	13	85	136	Stainless Steel	DIN 913 DIN 913	4x M8x16 2x M8x12	15 Nm 15 Nm
AP.SS-00MS	6	82	136	Stainless Steel	n/a		



AP.TI-407BASE



AP.TI-60FS



AP.TI-01MS

### • 4-Hole Adapter, with Rotatable Top Part

Titanium 4-hole adapters, rotatable, with pyramid receiver or pyramid, with 36 mm external clamp and 4 connection threads.

Please select the two REFs of your desired combination.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.TI-407BASE	5	105	166	Titanium	ISO 10642 10.9 DIN 912 12.9	4x M6x25 4x M6x20	n/a
Combinable with							
AP.TI-60FS	21	83	166	Titanium	DIN 913 DIN 913 DIN 912 12.9	4x M8x16 4x M8x12 1x M5x25	15 Nm 15 Nm 9 Nm
AP.TI-01MS	17,5	71	166	Titanium	DIN 912 12.9	1x M5x25	9 Nm



TI-132D/TI-145D/TI-160D/TI-175D  
SS-132D/SS-145D/SS-160D/SS-175D

### ◆ Dual Receiver Adapter, Titanium

Titanium dual receiver adapter, with pyramid receiver on both ends, 4 heights.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.TI-132D	32	98	166	Titanium	DIN 913 DIN 913	4x M8x12 8x M8x16	15 Nm 15 Nm
AP.TI-145D	45	119	166	Titanium	DIN 913 DIN 913	4x M8x12 8x M8x16	15 Nm 15 Nm
AP.TI-160D	60	134	166	Titanium	DIN 913 DIN 913	4x M8x12 8x M8x16	15 Nm 15 Nm
AP.TI-175D	75	148	166	Titanium	DIN 913 DIN 913	4x M8x12 8x M8x16	15 Nm 15 Nm
AP.SS-132D	32	136	136	Stainless Steel	DIN 913 DIN 913	4x M8x12 8x M8x16	15 Nm 15 Nm
AP.SS-145D	45	167	136	Stainless Steel	DIN 913 DIN 913	4x M8x12 8x M8x16	15 Nm 15 Nm
AP.SS-160D	60	193	136	Stainless Steel	DIN 913 DIN 913	4x M8x12 8x M8x16	15 Nm 15 Nm
AP.SS-175D	75	235	136	Stainless Steel	DIN 913 DIN 913	4x M8x12 8x M8x16	15 Nm 15 Nm



WW.MHD-DE-P



AP.TI-115DM-W

### ◆ Dual Pyramid Receiver, Titanium

Titanium dual pyramid adapter, 2 heights. Dual pyramid adapters make it possible to connect two pyramid receivers, with optional adjustment on both ends.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	
WW.MHD-DE-P	15	66	160	Titanium	n/a	
AP.TI-115DM-W	22	116	166	Titanium	n/a	



AP.SS-800BASE



AP.TI-50FS



AP.TI-00MS

### ◆ 3-Prong Adapters

#### • 3-Prong Adapter, Rotatable, Female Thread

3-prong adapter, titanium and stainless steel combined, with pyramid receiver or pyramid adapter.

Please select the two REFs of your desired combination.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.SS-800BASE	12	123	136	Stainless Steel	DIN 912 12.9	1xM6x20 Lamination Dummy	15 Nm
Combinable with							
AP.TI-50FS	13	51	166	Titanium	DIN 913 DIN 913	4x M8x16 2x M8x12	15 Nm 15 Nm
AP.TI-00MS	6	45	166	Titanium	n/a		



AP.SS-800BASE



AP.SS-50FS



AP.SS-00MS

#### • 3-Prong Adapter, Rotatable, Female Thread

3-prong adapter, titanium and stainless steel combined, with pyramid receiver or pyramid adapter.

Please select the two REFs of your desired combination.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.SS-800BASE	12	123	136	Stainless Steel	DIN 912 12.9	1xM6x20 Lamination Dummy	15 Nm
Combinable with							
AP.SS-50FS	13	85	136	Stainless Steel	DIN 913 DIN 913	4x M8x16 4x M8x12	15 Nm 15 Nm
AP.SS-00MS	6	82	136	Stainless Steel	n/a		



APSS-300LM-W



AP.TI-60FS



AP.TI-01MS

### • 3-Prong Adapter, Rotatable, Male Thread

3-prong adapter, titanium and stainless steel combined, with pyramid receiver or pyramid, with external clamp.

Please select the two REFs of your desired combination.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.SS-300LM-W	7	130	136	Stainless Steel	n/a		
Combinable with							
AP.TI-60FS	21	88	166	Titanium	DIN 913 DIN 913 DIN 912 12.9	4x M8x16 4x M8x12 1x M5x25	15 Nm 15 Nm 9 Nm
AP.TI-01MS	17,5	71	166	Titanium	DIN 912 12.9	1x M5x25	9 Nm



APSS-840BASE



APSS-50FS



APSS-00MS

### ◆ 4-Prong Adapter

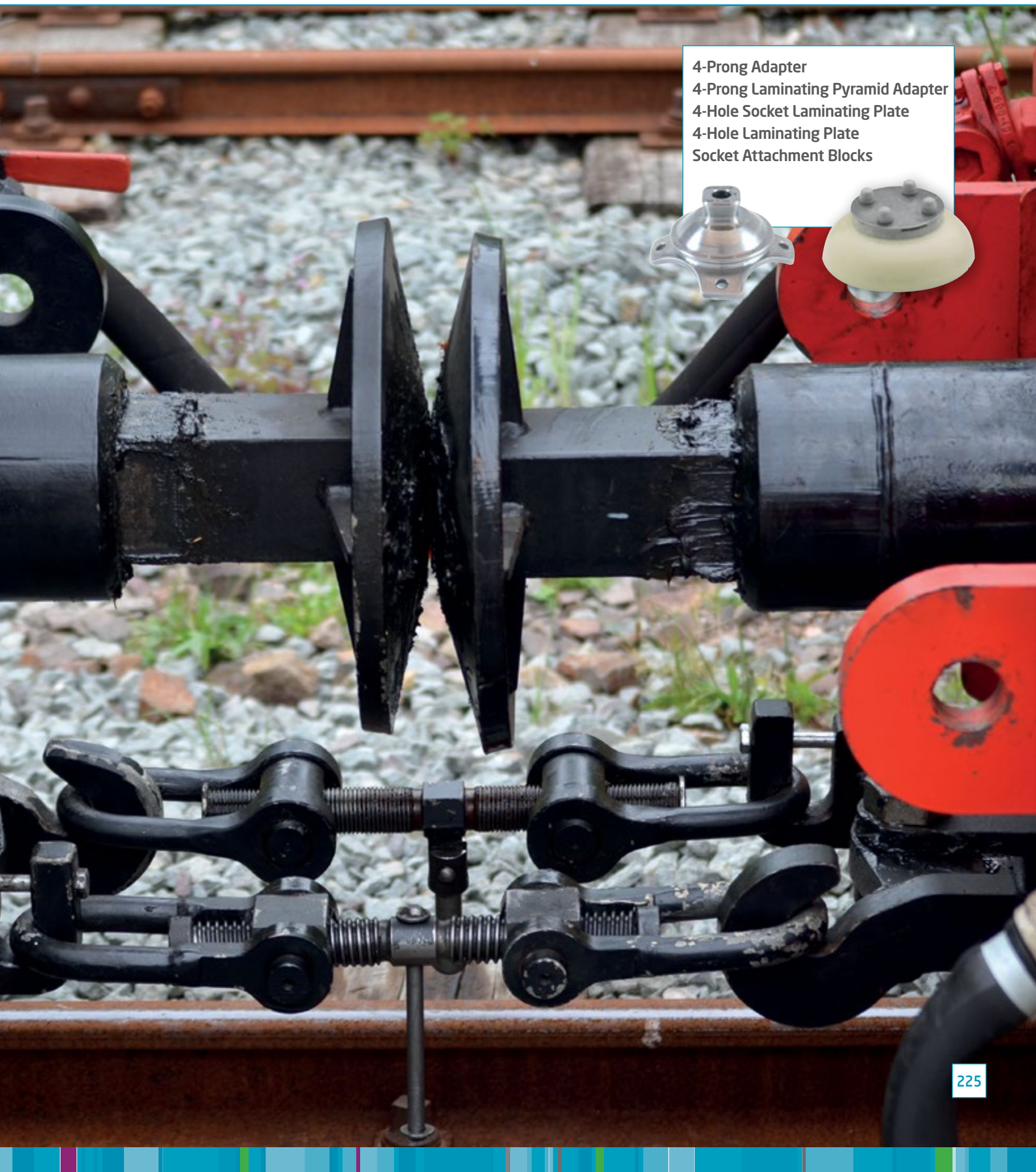
#### • 4-Prong Adapter, Rotatable, Female Thread

Stainless steel 4-prong adapter with pyramid receiver or pyramid.

Please select the two REFs of your desired combination.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.SS-840BASE	16	155	136	Stainless Steel	DIN 912 12.9	1xM6x20 Lamination Dummy	15 Nm
Combinable with							
AP.SS-50FS	13	85	136	Stainless Steel	DIN 913 DIN 913	4x M8x16 4x M8x12	15 Nm 15 Nm
AP.SS-00MS	6	82	136	Stainless Steel	n/a		

# Socket Attachment Adapters



4-Prong Adapter  
4-Prong Laminating Pyramid Adapter  
4-Hole Socket Laminating Plate  
4-Hole Laminating Plate  
Socket Attachment Blocks





APT.I-740L-W/AP.SS-740L

### ◆ 4-Prong Adapter

Titanium 4-prong adapter with pyramid.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)
AP.TI-740L	14	71	166	Titanium	Without Screws, Lamination Dummy
AP.SS-740L	14	128	136	Stainless Steel	Without Screws, Lamination Dummy



WW.MHD-PA-L

### ◆ 4-Prong Laminating Pyramid Adapter

Titanium 4-prong adapter for direct lamination, with pyramid and pre-installed carbon tape.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)
WW.MHD-PA-L	14	82	Activity Level 1 - 3:160 Activity Level 4:136	Titanium	Pre-Installed, Looped Uni-Directional Carbon Tape



AP.AL-CPF-400

### ◆ 4-Hole Socket Laminating Plate

Aluminum 4-hole socket laminating plate, with threaded holes for connecting a 4-hole adapter, with tie-off groove and cut-outs which secure the plate against unwanted torsion.



REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.AL-CPF-400	16	139	136	Aluminum	DIN 7991 10.9 DIN 7991 10.9	4x M6x20 4x M6x16	15 Nm 15 Nm



21.992.100.00

### ◆ 4-Hole Laminating Plate

Aluminum laminating plate, black anodized finish. 65 mm diameter, with threaded holes for connecting a 4-hole adapter. With tie-off groove, and cut-outs to prevent unwanted torsion.



REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
21.992.100.00	8	50	150	Aluminum	DIN 7991 10.9 DIN 912 10.9	4x M6x12 2x M6x12	9 Nm 9 Nm

## ◆ Socket Attachment Blocks

Socket attachment blocks can be attached to the socket either by laminating or by using rigid foam. With 4-hole connection or pyramid, 4 different weight categories.



21.992.000.00



21.992.000.01



OE.6PC599



WW.700-200



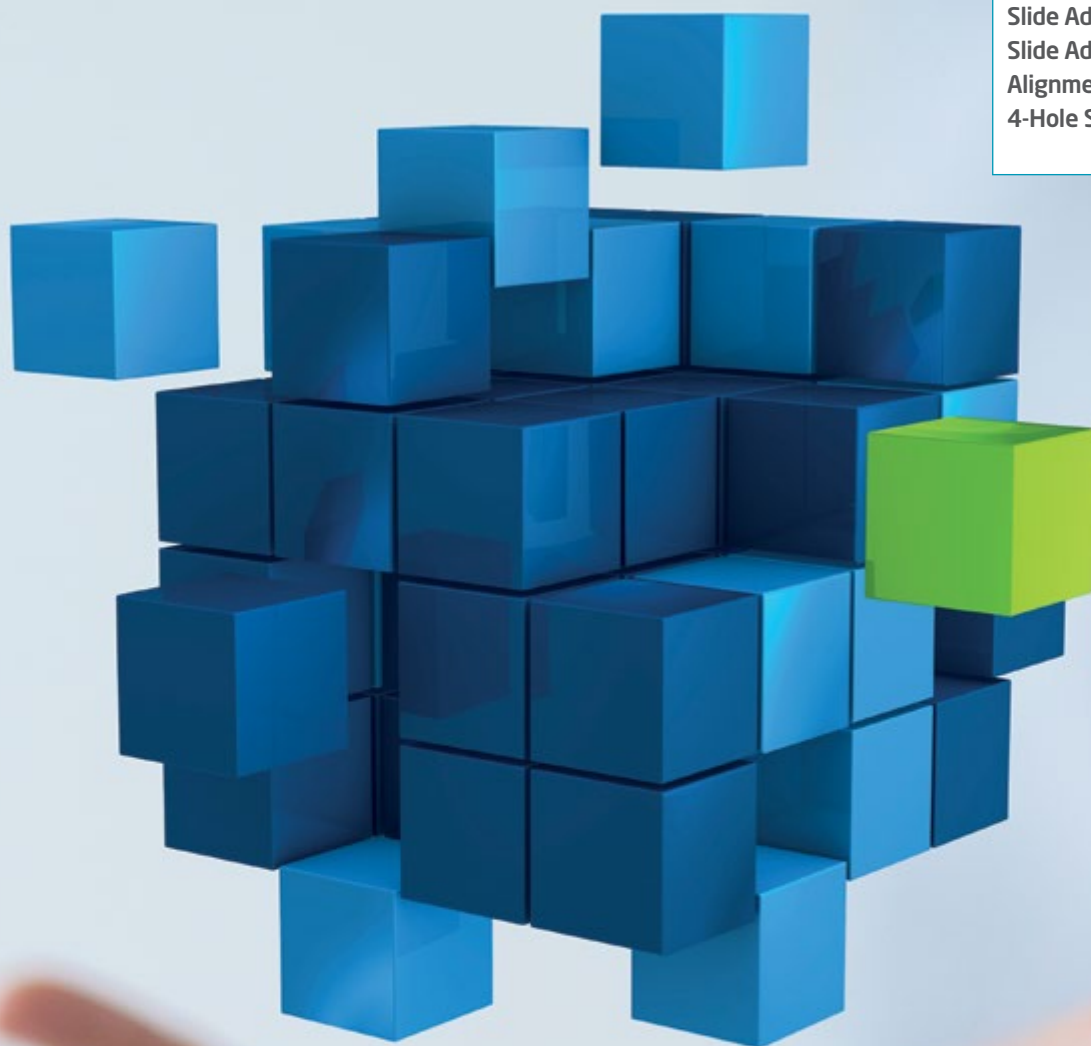
WW.700-250



REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
21.992.000.00	53	310	125	Wood/ Plastic	ISO 10642 10.9	4x M6x20	15 Nm
21.992.000.01	33	195	125	Wood/ Plastic	ISO 10642 10.9	4x M6x20	15 Nm
<b>Optional Accessories</b>							
21.992.000.02	Dummy f. Wooden Attachment Block						
21.992.000.10	High Perform.Seal.Grease Stick Wax 5g						

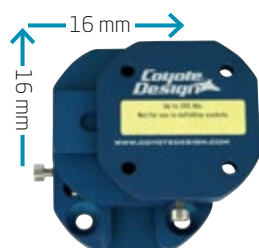
REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
OE.6PC599	23	151	125	Wood/ Titanium	n/a	Lamination Dummy	n/a
WW.700-200	min. 20	124	115	Plastic/ Rigid Foam	ISO 10642 10.9 DIN 912 12.9	4x M6x16 4x M6x16	12 Nm
WW.700-250	16	67	160	Plastic	ISO 10642 10.9 DIN 912 12.9	4x M6x16 4x M6x16	12 Nm

# Slide Adapters



Alignment Coupler for Fittings  
Slide Adapter  
Slide Adapter System  
Alignment Plates, Exoskeletal  
4-Hole Slide Adapter





CD.106 (for fitting purposes only)

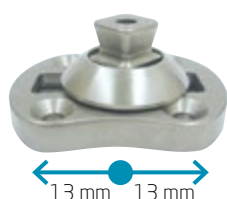


### ◆ Alignment Coupler for Fittings

Aluminum alignment coupler with two planes. 16 mm offset for ML and AP.

Please note! This alignment coupler may only be used at the workshop during fittings, while optimizing limb positioning!

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
CD.106	24 mm	230	120	Aluminum	DIN 912 8.8 ISO 10642 10.9 ISO 10642 10.9	1x M3x10 4x M6x25 4x M6x14	5 Nm 10 Nm 10 Nm



WW.FND-224150



### ◆ Slide Adapter

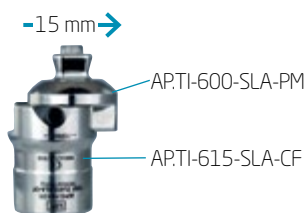
Rotating titanium slide adapter. Slide range from center is 13 mm in each direction.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
WW.FND-224150	9	125	Activity Level 1-3: 160 Activity Level 4: 136	Titanium	ISO 10642 10.9 ISO 10642 10.9	4x M6x16 4x M6x35	12 Nm 12 Nm



## ◆ Slide Adapter System

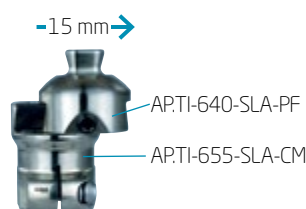
Titanium slide adapter system which can be individually configured. We recommend using the dovetail connector during fittings, while optimizing the limb position. At any one time, it is permissible to combine two matching adapters.



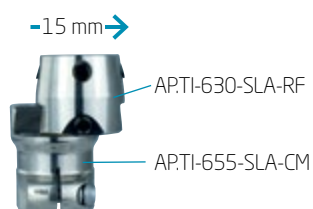
Configuration Example



Configuration Example



Configuration Example



Configuration Example

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.TI-600-SLA-PM	18	88	100	Titanium	DIN 912 88	1x M6x30	15 Nm
AP.TI-615-SLA-CF	18	102	100	Titanium	DIN 913 DIN 912 12.9	2x M8x12 2x M8x16 1x M5x20 1x Spring Washer M5	15 Nm 15 Nm 9 Nm
AP.TI-630-SLA-RF	32	94	100	Titanium	DIN 913 DIN 913	4x M8x16 4x M8x12	15 Nm
AP.TI-640-SLA-PF	20	91	100	Titanium	DIN 913	2x M8x12	15 Nm
AP.TI-650-SLA-RM	17	99	100	Titanium	DIN 913 DIN 913 ISO 10642 10.9	4x M8x16 2x M8x12 1x M6x16	15 Nm 15 Nm 15 Nm
AP.TI-655-SLA-CM	18	96	100	Titanium	DIN 912 12.9 DIN 912 12.9	1x M5x20 1x M6x16 1x Spring Washer M5	9 Nm 15 Nm



22.050.108.00/22.050.109.00



22.050.110.00


22.050.108.00,  
Slide Range

22.050.110.00,  
Slide Range, Additional  
Tilt Plane

## ◆ Alignment Plates, Exoskeletal

Plastic alignment plates, for AK and BK prostheses. The plates can be moved in two or three directions, depending on the model. They are installed between the socket and the socket attachment block; the desired position can then be set and fixed. Afterwards, overlaps caused by the offset of the slide adapters are sanded off. Finally, the slide adapters can be fully incorporated into the lamination and remain part of the prosthesis.



REF	System Height/mm	Weight /g	Weight Limit/kg	Material	Diameter/mm	Slide Range/mm	Tilt Angle
22.050.108.00	21	275	100	Plastic	132	25	-
22.050.109.00	21	190	100	Plastic	108	25	-
22.050.110.00	36	280	100	Plastic	108	25	+/- 5°



APAL-4X4-SLIDE

## ◆ 4-Hole Slide Adapter

4-hole aluminum slide adapter, 25 mm slide range.

REF	System Height/mm	Weight /g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
APAL-4X4-SLIDE	13	156	125	Aluminum	DIN 7991 10.9 DIN 912 12.9 DIN 912 12.9	4x M6x16 4x M6x16 4x M6x20	15 Nm 15 Nm 15 Nm

# Connection Plates and Flexion Plates

## Flexion Plates

4-Hole Forward Angle Offset Plates

4-Hole Offset Plates

Height Extension Adapter

4-Hole Spacer Plate

Foot Pyramid Adapter

Spare Screws for Modular Adapters



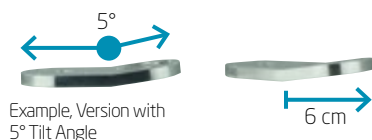


AP.AL-405-FLPL

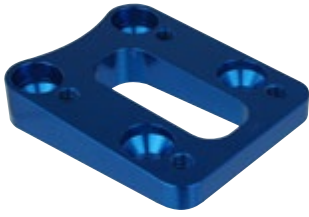
## ◆ Flexion Plates

Aluminum flexion plates, with 4-hole pattern on both sides. Available with four different tilt angles.

Offset is 6cm, for all tilt angles.



REF	Tilt Angle/°	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.AL-405-FLPL	5	17	173	100	Aluminum	DIN 912 10.9 DIN 7991 10.9 DIN 912 10.9	2x M6x14 4x M6x35 8x M6x14	15 Nm 15 Nm 15 Nm
AP.AL-408-FLPL	8	17	173	100	Aluminum	DIN 912 10.9 DIN 7991 10.9 DIN 912 10.9	2x M6x14 4x M6x35 8x M6x14	15 Nm 15 Nm 15 Nm
AP.AL-410-FLPL	10	17	173	100	Aluminum	DIN 912 10.9 DIN 7991 10.9 DIN 912 10.9	2x M6x14 4x M6x35 8x M6x14	15 Nm 15 Nm 15 Nm
AP.AL-415-FLPL	15	17	173	100	Aluminum	DIN 912 10.9 DIN 7991 10.9 DIN 912 10.9	2x M6x14 4x M6x35 8x M6x14	15 Nm 15 Nm 15 Nm
Optional Accessories		Product				Delivery Includes (Screws)		Torque
AP.AL-SCREWSET		Screw Set for Flexion Plate				DIN 7991 10.9 DIN 912 10.9	4x M6x35 2x M6x14	15 Nm 15 Nm



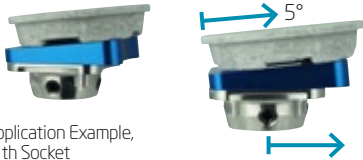
WW.FND-135105

### ◆ 4-Hole Forward Angle Offset Plates

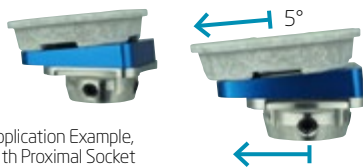
Aluminum 4-hole offset plates with 5° forward angle, may be installed with either anterior/posterior or medial/lateral orientation.

WW.FND-135105 can be used in an already existing AK prosthesis, if a flexion correction of 5° is desired.

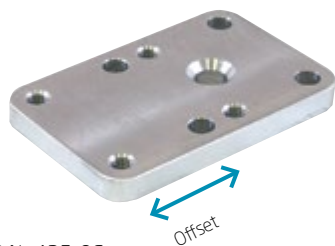
WW.FND-135107 can be used in an already existing BK prosthesis, if a flexion correction of 5° is desired.

Application Example,  
with Socket  
Attachment Block

WW.FND-135107

Application Example,  
with Proximal Socket  
Attachment Block

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
WW.FND-135105	10	54	115	Aluminum	ISO 10642 A2 ISO 10642 A2	4x M6x16 4x M6x10	12 Nm 12 Nm
WW.FND-135107	10	54	115	Aluminum	ISO 10642 A2 ISO 10642 A2	4x M6x16 4x M6x10	12 Nm 12 Nm



AP.AL-425-OS

### ◆ 4-Hole Offset Plates

Aluminum 4-hole offset plate, with 4-hole pattern on both sides. Available with 4 different offset lengths, non-waterproof version.

REF	Offset/ mm	System Height/mm	Weight /g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.AL-409-OS	9	6.35	82	100	Aluminum	DIN 912 10.9 DIN 7991 10.9	4x M6x12 4x M6x16	15 Nm 15 Nm
AP.AL-413-OS	13	6.35	88	100	Aluminum	DIN 912 10.9 DIN 7991 10.9	4x M6x12 4x M6x16	15 Nm 15 Nm
AP.AL-419-OS	19	6.35	94	100	Aluminum	DIN 912 10.9 DIN 7991 10.9	4x M6x12 4x M6x16	15 Nm 15 Nm
AP.AL-425-OS	25	6.35	99	100	Aluminum	DIN 912 10.9 DIN 7991 10.9	4x M6x12 4x M6x16	15 Nm 15 Nm



AP.TI-125P

### ◆ Height Extension Adapter

Titanium height extension adapters, three system heights, two weight categories, non-waterproof version. Height extension adapters can be used to counterbalance slight length differences, e.g. on carbon feet that have been shortened individually.



WW.FND-136124/WW.FND-135146

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.TI-125P	18	74	166	Titanium	DIN 913 DIN 913	4x M8x16 2x M8x12	15 Nm 15 Nm
WW.FND-136124	24	79	136	Titanium	DIN 913	4x M8x16	15 Nm
WW.FND-136146	46	96	136	Titanium	DIN 913	4x M8x16	15 Nm



WW.700-300/WW.700.375

### ◆ 4-Hole Spacer Plate

4-hole spacer plate for increasing system height. These spacer plates can be installed e.g. between a 4-hole adapter and the knee joint or a socket attachment block.



Application Example

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)
WW.700-300	3.2	10	115	Plastic	Screws Included
WW.700-375	9.5	12	115	Plastic	Screws Included



AP.TI-500P/AP.SS-500P

### ◆ Foot Pyramid Adapter

Titanium foot pyramid adapter, M10 bolt and two split-pin bolts included, for use on feet without a proximal adapter.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.TI-500P	6	96	166	Titanium	DIN 912 12.9	1x M10x65 2x Pin 4x12	32 Nm
AP.SS-500P	6	136	136	Stainless Steel	DIN 912 12.9	1x M10x65 2x Pin 4x12	32 Nm

### ◆ Spare Screws for Modular Adapters

Stainless steel screws, for use as spare screws for our waterproof modular adapters. Please note the screw specifications for the individual adapters, and select the replacement screws accordingly. The screws are sold individually.



70.720.812.04



70.720.816.04

#### • Spare Screws for Modular Adapters

REF	Product	Material	SPQ
70.720.812.04	Set Screw DIN913 M8x12 A4	Stainless Steel	1
70.720.816.04	Set Screw DIN913 M8x16 A4	Stainless Steel	1



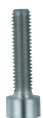
70.488.625.06



70.717.514.06



70.717.520.06




70.717.620.06

Titanium screws, for use as spare screws with our waterproof modular adapters. Please note the screw specifications for the individual adapters, and select the required screws accordingly. The screws are sold individually.

REF	Product	Material	SPQ
70.488.620.06	Flat Head Screw ISO10642 M6x20 T6	Titanium	1
70.488.625.06	Flat Head Screw ISO10642 M6x25 T6	Titanium	1
70.717.514.06	Cylinder Head Screw DIN912 M5X14 T6	Titanium	1
70.717.520.06	Cylinder Head Screw DIN912 M5X20 T6	Titanium	1
70.717.620.06	Cylinder Head Screw DIN912 M6X20 T6	Titanium	1

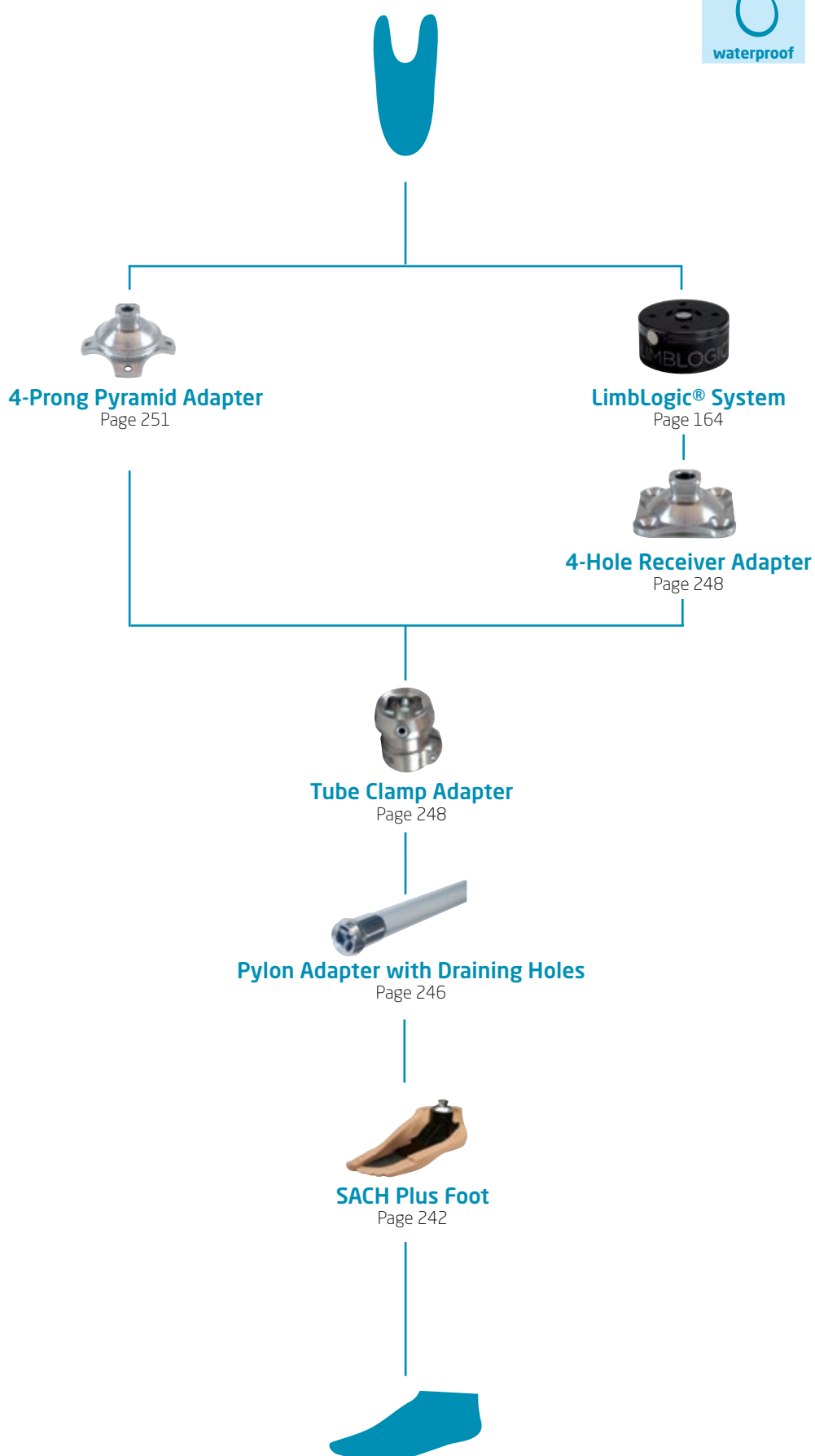
# Waterproof Components



SACH Plus Foot with Pyramid  
Impulse Foot  
Pylon Adapters  
Aluminum Tubes  
Tube Clamp Adapter  
4-Hole Adapters  
Dual Receiver Adapter, Waterproof  
Dual Pyramid Receiver, Waterproof  
3-Prong Adapters  
4-Prong Adapter, Waterproof  
4-Hole Laminating Plate, Waterproof  
Foot Pyramid Adapter, Waterproof  
Replacement Screws for Modular  
Adapters, Waterproof  
LA Swimming Ankle



# • Configuration Example Waterproof BK Prosthesis

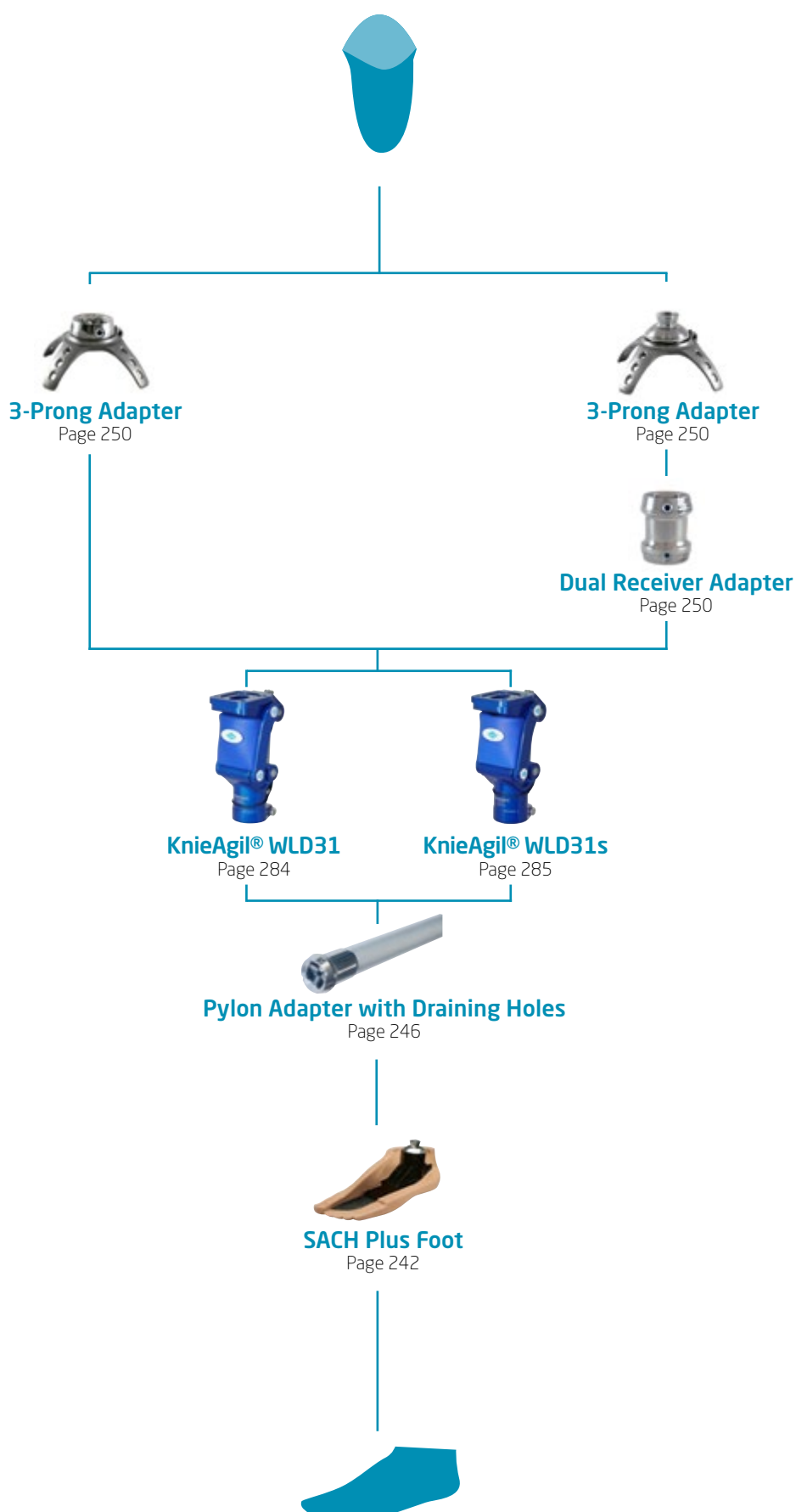


## Technician's Tip:

LA Swimming  
Ankle (page 252).



## • Configuration Example Waterproof AK Prosthesis



### Technician's Tip:

LA Swimming  
Ankle (page 252).



◆ SACH Plus Foot with Pyramid



WW.SFP-XXXX-XX



Cutaway Model



3 Heel Inserts Included

The SACH Plus Foot offers exceptional attributes for a foot of its activity level. It is lighter than comparable feet since the titanium pyramid has been directly incorporated into the design. An additional pyramid adapter is not required. The SACH Plus Foot features an integrated toe spring made from composite material. The foot is available with three different toe resistances from which one can choose upon ordering.

Heel strike can be adapted individually for each user, and three different heel inserts, which can be interchanged by the orthopedic technician, are included with each foot.



Technical Data

Weight of Foot/g	490 (Sz. 26, Pyramid Included)
Weight Limit/kg	115
Available Foot Sizes/cm	22 - 31
System Height/mm	88.3
Heel Height/mm	10
Toe Resistance Categories	2 - 4
Heel Insert Densities	Soft, Medium, Firm

👍 Practical Tip:



Recommended Alignment Reference Line:  
TKA (Trochanter - Knee - Ankle)

## Ordering Information

The following ordering steps will help you determine the correct REF for the foot you want to order.

### How to Select a Toe Resistance Category

Adjusted Bodyweight = Sum of the user's bodyweight and the weight of loads routinely carried by the user.

Select the toe resistance category from the chart below:

Adjusted Bodyweight/kg	Recommended Category
up to 59	2 = Low
60 - 81	3 = Regular
82 - 115	4 = High

### How to Select a SACH Plus Foot with Pyramid

The following specifications are needed to order a SACH Plus Foot:

	WW.SFP-22RT-3L	SACH Plus Foot Ordering Example
Model	SFP	SACH Plus Foot with Pyramid
Foot Size	22	22 - 31 cm
Side	R	L = Left R = Right
Color	T	T = Tan
Toe Resistance Categories	3	2 = Low 3 = Regular 4 = High
Heel Height	L	L = 10 mm

Other versions of this foot with a heel height of 18 mm and in the colors buff or medium brown are available as special order items with REF WW.SFP-X.

## ◆ Impulse Foot

The Impulse Foot features a core made of high-quality composite material. The foot provides high energy return, good flexibility, and a low overall height. The foot plate is molded directly into the foot.

Three exchangeable heel inserts are included in delivery.

The Impulse foot has a high weight limit of up to 160 kg. It is also available in a Symes version with a weight limit of 115 kg.



WW.IMPM-XXXX-XX



Cutaway Model



3 Heel Inserts Included

## Technical Data

Weight of Foot/g	453 (Sz. 26)
Weight Limit/kg	160
Available Foot Sizes/cm	22 - 31
System Height/mm	49.5 (Without Adapter) 100 (Including Impulse Ankle)
Heel Height/mm	10
Toe Resistance Categories	1 - 7
Heel Insert Densities	Soft, Medium, Firm

## 👍 Practical Tip:



Recommended Alignment Reference Line:  
TKA (Trochanter- Knee - Ankle)

## Ordering Information

The following ordering steps will help you determine the correct REF for the foot you want to order.

## How to Select a Toe Resistance Category

Adjusted Bodyweight = Sum of the user's bodyweight and the weight of loads routinely carried by the user. Select the toe resistance category from the chart below:

Adjusted Bodyweight/kg	Recommended Category
up to 49	1 = Very Low
50 - 68	2 = Low
69 - 86	3 = Regular
87 - 104	4 = High
105 - 122	5 = Very High
123 - 140	6 = Heavy Duty
141 - 160	7 = Heavy Duty

## Required Components for the Impulse Foot

To order a complete Impulse Foot, two components have to be selected.

- 1 Choose the right model, foot size, side and toe resistance:

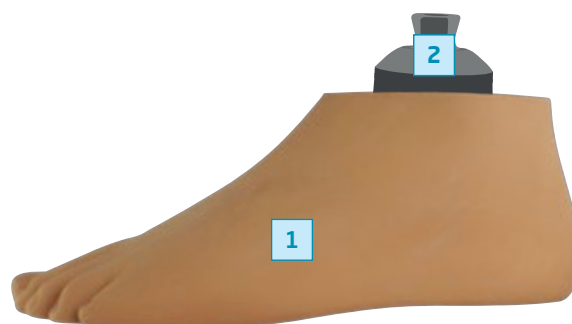
### Impulse Foot

- 2 Now select the ankle with the required ankle stiffness, or one of the alternative adapters:

### Impulse Ankle

- 3 Alternatively, select one of the other suitable adapters.

### Alternative Adapter



## 1: Select an Impulse Foot

The following specifications are needed to order an Impulse Foot:

	WW.IMPM-26LT-4L	Impulse Foot Ordering Example
Model	IMPM	IMPM = Impulse Foot
Foot Size	26	22 - 31 cm
Side	L	L=Left R=Right
Color	T	T=Tan
Kategorie Zehenwiderstand	4	1 - 7
Heel Height	L	L = 10 mm

## 2: Select a Matching Ankle

REF	Product
WW.IMPA-R	Impulse Ankle up to 68kg Red
WW.IMPA-B	Impulse Ankle 69-86kg Blue
WW.IMPA-Y	Impulse Ankle 87-104kg Yellow
WW.IMPA-G	Impulse Ankle 105-122kg Green
WW.IMPA-K	Impulse Ankle 123-140kg Black
WW.IMPA-W	Impulse Ankle 141-160kg White

## 3: Alternative Adapters

REF	Product
WW.2LTC-1208	Foot Pyramid TI f. Impulse&CCII Foot
WW.700-B116	Socket H.Cap Screw M10-1.5x43mm PU: 4pcs
WW.2LTC-1210	Impulse Foot Spacer Block
WW.3F-6CC-002	CarbonCopyII Interface Plate

Other versions of this foot are available as special order items with REF IMPW-X (women) und WW.IMPM-X (men).

## ◆ Pylon Adapters

### • Pylon Adapter with Receiver Adapter, Waterproof



AP.TI-10TC-W/AP.TI-17TC-W



Pylon adapter Ø 30 mm, titanium, stainless steel or aluminum, available in a long or short version, waterproof, with receiver adapter.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.TI-10TC-W	268	230	166	Titanium	DIN 913 DIN 913	4x M8x16 A4 2x M8x12 A4	15 Nm 15 Nm
AP.TI-17TC-W	446	349	166	Titanium	DIN 913 DIN 913	4x M8x16 A4 2x M8x12 A4	15 Nm 15 Nm



AP.TI-17TCDH-W

Water Draining Holes



### • Pylon Adapter, Waterproof, with Draining Holes

Titanium pylon receiver adapter, Ø 30 mm, long version, waterproof. With external receiver adapter, and draining holes. The draining holes ensure that water will drain from the pylon, no matter in what position the adapter was installed. A tube clamp adapter with the same feature is also available (p. 248).

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.TI-17TCDH-W	446	348	166	Titanium	DIN 913 DIN 913	4x M8x16 A4 2x M8x12 A4	15 Nm 15 Nm
AP.TI-10TCDH-W	268	229	166	Titanium	DIN 913 DIN 913	4x M8x16 A4 2x M8x12 A4	15 Nm 15 Nm



AP.TI-110AT-W



### • Pylon Adapter, Waterproof

Pylon adapter, with pyramid receiver, waterproof. Adapter is identical to AP.TI-110AT, but is waterproof.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.TI-110AT-W	19/Total Length 97	113	166	Titanium	DIN 913 DIN 913	4x M8x16 A4 2x M8x12 A4	15 Nm 15 Nm



APT.TI-112-P-W

### • Pylon Adapter, Waterproof

Pylon adapter, with pyramid receiver, waterproof version.

The pylon adapter can be used, for example, to connect the distal pylon adapter of a knee joint to a pyramid receiver.



REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)
AP.TI-112-P-W	16/Total Length 60	88	166	Titanium	n/a



AP.AL-1XT2

### ◆ Aluminum Tubes

Ø 30mm, short and long version. These are the original tubes for our pylon adapters.



REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)
AP.AL-10T2	254	167	166	Aluminum	n/a
AP.AL-17T2	430	284	166	Aluminum	n/a



AP.TI-100C-DH-W



Water Draining Holes

## ◆ Tube Clamp Adapter

### • Tube Clamp Adapter, Waterproof, with Draining Holes

Titanium tube clamp adapter, Ø 30 mm, with draining holes. The draining holes ensure that water will drain from the adapter, no matter at what position the adapter was installed. A pylon adapter with the same feature is also available (p. 246).



REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.TI-100C-DH-W	46	85	166	Titanium	DIN 913 DIN 913 DIN 912	4x M8x16 A4 2x M8x12 A4 1x M5x20 T6 1x Spring Washer M5	15 Nm 15 Nm 9 Nm



AP.TI-100C-W

### • Tube Clamp Adapter, Waterproof

Titanium tube clamp adapter, Ø 30 mm.



REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.TI-100C-W	46	85	166	Titanium	DIN 913 DIN 913 DIN 912	4x M8x16 A4 2x M8x12 A4 1x M5x20 T6 1x Spring Washer M5	15 Nm 15 Nm 9 Nm



AP.TI-450BF-W



AP.TI-425BH-W

## ◆ 4-Hole Adapters

### • 4-Hole Adapter

4-hole receiver adapter, titanium or stainless steel, with pyramid receiver or pyramid, 2 different weight limits.



REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.TI-450BF-W	18	82	166	Titanium	DIN 913 DIN 913 ISO 10642	4x M8x16 A4 2x M8x12 A4 4x M6x20 T6	15 Nm 15 Nm
AP.TI-425BH-W	8	57	166	Titanium	ISO 10642	4x M6x20 T6	



AP.TI-400A-W



AP.TI-400D-W

### • 4-Hole Receiver Adapter, with Offset

4-hole titanium adapter, axial or diagonal offset.



REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	
AP.TI-400A-W	8	77	166	Titanium	ISO 10642	4x M6x20 T6
AP.TI-400D-W	8	79	166	Titanium	ISO 10642	4x M6x20 T6



AP.TI-460B-W



AP.TI-50FS-W



AP.TI-00MS-W

### • 4-Hole Adapter, with Rotatable Insert, Titanium

Titanium 4-hole adapter, rotatable, with pyramid receiver or pyramid, with 36 mm outer clamping and 4 connector threads.

Please select the two REFs of your desired combination.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.TI-460B-W	10	68	166	Titanium	DIN 912 ISO 10642 DIN 912	2x M6x20 T6 2x M6x20 T6 1x M5x20 T6 1x Spring Washer M5 A2	15 Nm 15 Nm 9 Nm
<b>Combinable with</b>							
AP.TI-50FS-W	13	51	166	Titanium	DIN 913 DIN 913	4x M8x16 A4 2x M8x12 A4	15 Nm 15 Nm
AP.TI-00MS-W	6	45	166	Titanium	n/a		



AP.TI-132D-W/AP.TI-145D-W  
AP.TI-160D-W/AP.TI-175D-W

### ◆ Dual Receiver Adapter, Waterproof

Titanium dual receiver adapter, with pyramid receiver on both ends, 4 heights.



REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.TI-132D-W	32	98	166	Titanium	DIN 913 DIN 913	4x M8x12 A4 8x M8x16 A4	15 Nm 15 Nm
AP.TI-145D-W	45	119	166	Titanium	DIN 913 DIN 913	4x M8x12 A4 8x M8x16 A4	15 Nm 15 Nm
AP.TI-160D-W	60	134	166	Titanium	DIN 913 DIN 913	4x M8x12 A4 8x M8x16 A4	15 Nm 15 Nm
AP.TI-175D-W	75	148	166	Titanium	DIN 913 DIN 913	4x M8x12 A4 8x M8x16 A4	15 Nm 15 Nm



AP.TI-115DM-W

### ◆ Dual Pyramid Receiver, Waterproof

Titanium dual pyramid adapter, 2 heights, 2 weight categories. Dual pyramid adapters make it possible to connect two pyramid receivers, with optional adjustment on both ends.



REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	
AP.TI-115DM-W	22	116	166	Titanium	n/a	



AP.SS-800BASE-W



AP.TI-00MS-W



AP.TI-50FS-W

### ◆ 3-Prong Adapters

#### • 3-Prong Adapter, Rotatable, Female Thread

3-prong adapter, titanium and stainless steel combined, with pyramid receiver or pyramid adapter.



Please select the two REFs of your desired combination.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.SS-800BASE-W	12	123	136	Stainless Steel	DIN 912	1xM6x20 T6 Lamination Dummy	15 Nm
Combinable with							
AP.TI-50FS-W	13	51	166	Titanium	DIN 913 DIN 913	4x M8x16 A4 2x M8x12 A4	15 Nm 15 Nm
AP.TI-00MS-W	6	45	166	Titanium	n/a		



AP.TI-740L-W

### ◆ 4-Prong Adapter, Waterproof

Titanium 4-prong adapter with pyramid.



REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)
AP.TI-740L-W	14	71	166	Titanium	Without Screws, Lamination Dummy



21.992.101.00

### ◆ 4-Hole Laminating Plate, Waterproof

Aluminum laminating plate, blue anodized finish. 65 mm diameter, with threaded holes for connecting a 4-hole adapter. With tie-off groove, and cut-outs to prevent torsion.



REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
21.992.101.00	8	50	166	Aluminum	ISO 10642 DIN 912	4x M6x12 A4 2x M6x12 A4	9 Nm 9 Nm



AP.TI-500P

### ◆ Foot Pyramid Adapter, Waterproof

Titanium foot pyramid adapter, M10 bolt and two split-pin bolts included, for use on feet without a proximal adapter.



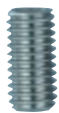
REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.TI-500P	6	96	166	Titanium	DIN 912 12.9	1x M10x65 2x Pin 4x12	32 Nm

## ◆ Replacement Screws for Modular Adapters, Waterproof

Stainless steel screws, for use as replacement screws for our waterproof modular adapters. Please note the screw specifications of the individual adapters, and select the replacement screws accordingly. The screws are sold individually.



70.720.812.04

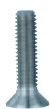


70.720.816.04



### • Replacement Set Screws for Modular Adapters

REF	Product	Material	VPE
<b>70.720.812.04</b>	Set Screw DIN913 M8x12 A4	Stainless Steel	1
<b>70.720.816.04</b>	Set Screw DIN913 M8x16 A4	Stainless Steel	1



70.488.625.06



70.717.514.06



70.717.520.06



70.717.620.06



Titanium screws, for use as replacement screws for our waterproof modular adapters. Please note the screw specifications of the individual adapters, and select the replacement screws accordingly. The screws are sold individually.

REF	Product	Material	SPQ
<b>70.488.620.06</b>	Flat Head Screw ISO10642 M6x20 T6	Titanium	1
<b>70.488.625.06</b>	Flat Head Screw ISO10642 M6x25 T6	Titanium	1
<b>70.717.514.06</b>	Cylinder Head Screw DIN912 M5X14 T6	Titanium	1
<b>70.717.520.06</b>	Cylinder Head Screw DIN912 M5X20 T6	Titanium	1
<b>70.717.620.06</b>	Cylinder Head Screw DIN912 M6X20 T6	Titanium	1



OE.4LA201



OE.4LA503

## ◆ LA Swimming Ankle

Swimming ankle, can be connected to prosthetic feet without a proximal pyramid. The swimming ankle can be used in waterproof prostheses in order to fix the foot at an angle of 70° (e.g. when the amputee wants to use fins). If a waterproof prosthesis is manufactured with shell construction, the swimming ankle can be combined with an attachment block, which then can be molded into the socket as desired.



REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
<b>OE.4LA201</b>	70	370	125	Titanium/ Stainless Steel	DIN 912	1x M10x50 2x Fixing Pin	20 Nm

### Optional Accessories

<b>OE.4LA503</b>	LA Ankle Attachment Block			DIN 913	4x M8x16 Lamination Dummy	15 Nm
<b>OE.D0034</b>	Cylinder Head Screw for Swimming Ankle (Not Depicted)					

# Components for Pediatric Prostheses



Pediatric SACH Foot  
Pediatric Impulse Foot  
Exoskeletal Ankle Blocks  
Foot Adapters  
Pylon Adapter with Receiver Adapter  
Tube Clamp Adapter  
4-Hole Adapters  
4-Hole Adapter, Offset  
4-Hole Adapter, with Rotatable Insert  
Dual Adapter  
4-Prong Adapter  
4-Hole Slide Connector  
4-Hole Spacer Plate  
Laminated Socket Attachment Block  
KnieAgil® KA.WKL 10, Pediatric Knee Joint  
KnieAgil® KA.WK 11, Pediatric Knee Joint  
Teh Lin Pneumatic 4-Axis Knee Joint,  
Pediatric  
Alpha Pediatric Liners  
Mini G-Lock  
Grommet Lock  
Pediatric Suction Pyramid  
Cosmetic Nylon Stockings





WW.PPS-XXXX-X

◆ Pediatric SACH Foot

The Pediatric SACH Foot provides the structure necessary for children in the first stages of gait development, when initial foot-to-floor contact tends to occur in the midfoot to forefoot area and the heel may not even contact the ground at all.



Weight of Foot/g	155 (Sz. 16)
Weight Limit/kg	60
Available Foot Sizes/cm	9 - 22
System Height/mm	46 (with Pyramid Adapter)
Heel Height/mm	Sz. 9 - 17: 6 Sz. 18 - 22: 10
Toe Resistance Categories	2-4
Heel Insert Densities	Sz. 9 - 14 cm: No Heel Insert Sz. 15 - 22 cm: Soft, Medium, Firm (Included)

## Ordering Information

The following ordering steps will help you determine the correct REF for the foot you want to order.

### How to Select a Toe Resistance Category

Adjusted Bodyweight = Sum of the user's bodyweight and the weight of loads routinely carried by the user.  
Select the toe resistance category from the chart below:

Adjusted Bodyweight/kg	Foot Size/cm	Recommended Category
up to 7	9 - 12	2 = Low
7 - 14	9 - 12	3 = Regular
over 14	9 - 12	4 = High
up to 9	13 - 14	2 = Low
9 - 16	13 - 14	3 = Regular
over 16	13 - 14	4 = High
up to 14	15 - 16	2 = Low
14 - 20	15 - 16	3 = Regular
over 20	15 - 16	4 = High
up to 16	17 - 18	2 = Low
16 - 23	17 - 18	3 = Regular
over 23	17 - 18	4 = High
up to 20	19 - 20	2 = Low
20 - 32	19 - 20	3 = Regular
over 32	19 - 20	4 = High
up to 27	21 - 22	2 = Low
27 - 41	21 - 22	3 = Regular
over 41	21 - 22	4 = High

### Required Components for the Pediatric SACH Foot

To order a complete Pediatric SACH Foot, two components have to be selected: a foot and an adapter.

- 1 First, choose the required toe resistance, size and side:

#### 1: Pediatric SACH Foot



- 2 Finally, add the desired proximal adapter:

#### 2: Proximal Adapter



WW.PPF-1208



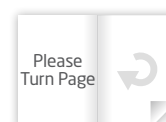
WW.PPF-1209



WW.PPF-FS006



WW.PPS-1518SL



## 1: Select a Pediatric SACH Foot, Left Side:

REF	Foot Size/cm	Side	Category
WW.PPS-9LT-2	9	Left	2
WW.PPS-10LT-2	10	Left	2
WW.PPS-11LT-2	11	Left	2
WW.PPS-12LT-2	12	Left	2
WW.PPS-13LT-2	13	Left	2
WW.PPS-14LT-2	14	Left	2
WW.PPS-15LT-2	15	Left	2
WW.PPS-16LT-2	16	Left	2
WW.PPS-17LT-2	17	Left	2
WW.PPS-18LT-2	18	Left	2
WW.PPS-19LT-2	19	Left	2
WW.PPS-20LT-2	20	Left	2
WW.PPS-21LT-2	21	Left	2
WW.PPS-22LT-2	22	Left	2

REF	Foot Size/cm	Side	Category
WW.PPS-9LT-3	9	Left	3
WW.PPS-10LT-3	10	Left	3
WW.PPS-11LT-3	11	Left	3
WW.PPS-12LT-3	12	Left	3
WW.PPS-13LT-3	13	Left	3
WW.PPS-14LT-3	14	Left	3
WW.PPS-15LT-3	15	Left	3
WW.PPS-16LT-3	16	Left	3
WW.PPS-17LT-3	17	Left	3
WW.PPS-18LT-3	18	Left	3
WW.PPS-19LT-3	19	Left	3
WW.PPS-20LT-3	20	Left	3
WW.PPS-21LT-3	21	Left	3
WW.PPS-22LT-3	22	Left	3

REF	Foot Size/cm	Side	Category
WW.PPS-9LT-4	9	Left	4
WW.PPS-10LT-4	10	Left	4
WW.PPS-11LT-4	11	Left	4
WW.PPS-12LT-4	12	Left	4
WW.PPS-13LT-4	13	Left	4
WW.PPS-14LT-4	14	Left	4
WW.PPS-15LT-4	15	Left	4
WW.PPS-16LT-4	16	Left	4
WW.PPS-17LT-4	17	Left	4
WW.PPS-18LT-4	18	Left	4
WW.PPS-19LT-4	19	Left	4
WW.PPS-20LT-4	20	Left	4
WW.PPS-21LT-4	21	Left	4
WW.PPS-22LT-4	22	Left	4

## 1: Select a Pediatric SACH Foot, Right Side:

REF	Foot Size/cm	Side	Category
WW.PPS-9RT-2	9	Right	2
WW.PPS-10RT-2	10	Right	2
WW.PPS-11RT-2	11	Right	2
WW.PPS-12RT-2	12	Right	2
WW.PPS-13RT-2	13	Right	2
WW.PPS-14RT-2	14	Right	2
WW.PPS-15RT-2	15	Right	2
WW.PPS-16RT-2	16	Right	2
WW.PPS-17RT-2	17	Right	2
WW.PPS-18RT-2	18	Right	2
WW.PPS-19RT-2	19	Right	2
WW.PPS-20RT-2	20	Right	2
WW.PPS-21RT-2	21	Right	2
WW.PPS-22RT-2	22	Right	2

REF	Foot Size/cm	Side	Category
WW.PPS-9RT-3	9	Right	3
WW.PPS-10RT-3	10	Right	3
WW.PPS-11RT-3	11	Right	3
WW.PPS-12RT-3	12	Right	3
WW.PPS-13RT-3	13	Right	3
WW.PPS-14RT-3	14	Right	3
WW.PPS-15RT-3	15	Right	3
WW.PPS-16RT-3	16	Right	3
WW.PPS-17RT-3	17	Right	3
WW.PPS-18RT-3	18	Right	3
WW.PPS-19RT-3	19	Right	3
WW.PPS-20RT-3	20	Right	3
WW.PPS-21RT-3	21	Right	3
WW.PPS-22RT-3	22	Right	3

REF	Foot Size/cm	Side	Category
WW.PPS-9RT-4	9	Right	4
WW.PPS-10RT-4	10	Right	4
WW.PPS-11RT-4	11	Right	4
WW.PPS-12RT-4	12	Right	4
WW.PPS-13RT-4	13	Right	4
WW.PPS-14RT-4	14	Right	4
WW.PPS-15RT-4	15	Right	4
WW.PPS-16RT-4	16	Right	4
WW.PPS-17RT-4	17	Right	4
WW.PPS-18RT-4	18	Right	4
WW.PPS-19RT-4	19	Right	4
WW.PPS-20RT-4	20	Right	4
WW.PPS-21RT-4	21	Right	4
WW.PPS-22RT-4	22	Right	4

## 2: Add a Proximal Adapter

REF	Product
WW.PPF-1208	Foot Pyramid Adapter Pediatric TI
WW.PPF-1209	Foot Pyramid Receiver Pediatric AL
WW.PPF-FS006	Symes Nut Pediatric TI
WW.PPS-1518SL	SACH Ankle Block Pediatric Sz15-18 Lt
WW.PPS-1518SR	SACH Ankle Block Pediatric Sz15-18 Rt
WW.PPS-1922LL	SACH Ankle Block Pediatric Sz19-22 Lt
WW.PPS-1922LR	SACH Ankle Block Pediatric Sz19-22 Rt

## Optional Accessories

REF	Product
WW.PPF-GKIT	Growth Kit Pediatric

Other versions of the foot cosmesis in colors buff or medium brown are available as special order items with REF WW.PPS-X.



WW.PPI-XXXX-X

◆ Pediatric Impulse Foot

The Pediatric Impulse Foot was developed with the requirements of growing children in mind.

The foot has a core made of high-quality composite material, thereby providing active pediatric users with energy return, outstanding durability and great dynamic response.

The Impulse Foot fulfills pediatric users’ requirements for a high level of dynamic and activity.



Weight of Foot/g	155 (Sz. 16)
Weight Limit/kg	60
Available Foot Sizes/cm	13 - 22
System Height/mm	37 (with Pyramid Adapter)
Heel Height/mm	Sz. 13 to 17: 6 Sz. 18 to 22: 10
Toe Resistance Categories	2 - 4
Heel Insert Densities	Sz. 13 - 14 cm: No Heel Insert Sz. 15 - 22 cm: Soft, Medium, Firm (Included)

## Ordering Information

The following ordering steps will help you determine the correct REF for the foot you want to order.

### How to Select a Toe Resistance Category

Adjusted Bodyweight = Sum of the user's bodyweight and the weight of loads routinely carried by the user.  
Select the toe resistance category from the chart below:

Adjusted Bodyweight/kg	Foot Size/cm	Recommended Category
up to 9	13 - 14	2 = Low
9 - 16	13 - 14	3 = Regular
over 16	13 - 14	4 = High
up to 14	15 - 16	2 = Low
14 - 20	15 - 16	3 = Regular
over 20	15 - 16	4 = High
up to 16	17 - 18	2 = Low
16 - 23	17 - 18	3 = Regular
over 23	17 - 18	4 = High
up to 20	19 - 20	2 = Low
20 - 32	19 - 20	3 = Regular
over 32	19 - 20	4 = High
up to 27	21 - 22	2 = Low
27 - 41	21 - 22	3 = Regular
over 41	21 - 22	4 = High

## Required Components for the Pediatric Impulse Foot

To order a complete Pediatric Impulse Foot, two components have to be selected: a foot and an adapter.

- 1 First, choose the required toe resistance, size and side:

### 1: Pediatric Impulse Foot



- 2 Finally, add the desired proximal adapter:

### 2: Proximal Adapter



WW.PPF-1208



WW.PPF-1209



WW.PPF-FS006



WW.PPS-1518SL

### 1: Select a Pediatric Impulse Foot, Left Side

REF	Foot Size/cm	Side	Category
WW.PPI-13LT-2	13	Left	2
WW.PPI-14LT-2	14	Left	2
WW.PPI-15LT-2	15	Left	2
WW.PPI-16LT-2	16	Left	2
WW.PPI-17LT-2	17	Left	2
WW.PPI-18LT-2	18	Left	2
WW.PPI-19LT-2	19	Left	2
WW.PPI-20LT-2	20	Left	2
WW.PPI-21LT-2	21	Left	2
WW.PPI-22LT-2	22	Left	2

REF	Foot Size/cm	Side	Category
WW.PPI-13LT-3	13	Left	3
WW.PPI-14LT-3	14	Left	3
WW.PPI-15LT-3	15	Left	3
WW.PPI-16LT-3	16	Left	3
WW.PPI-17LT-3	17	Left	3
WW.PPI-18LT-3	18	Left	3
WW.PPI-19LT-3	19	Left	3
WW.PPI-20LT-3	20	Left	3
WW.PPI-21LT-3	21	Left	3
WW.PPI-22LT-3	22	Left	3

REF	Foot Size/cm	Side	Category
WW.PPI-13LT-4	13	Left	4
WW.PPI-14LT-4	14	Left	4
WW.PPI-15LT-4	15	Left	4
WW.PPI-16LT-4	16	Left	4
WW.PPI-17LT-4	17	Left	4
WW.PPI-18LT-4	18	Left	4
WW.PPI-19LT-4	19	Left	4
WW.PPI-20LT-4	20	Left	4
WW.PPI-21LT-4	21	Left	4
WW.PPI-22LT-4	22	Left	4

### 1: Select a Pediatric Impulse Foot, Right Side

REF	Foot Size/cm	Side	Category
WW.PPI-13RT-2	13	Right	2
WW.PPI-14RT-2	14	Right	2
WW.PPI-15RT-2	15	Right	2
WW.PPI-16RT-2	16	Right	2
WW.PPI-17RT-2	17	Right	2
WW.PPI-18RT-2	18	Right	2
WW.PPI-19RT-2	19	Right	2
WW.PPI-20RT-2	20	Right	2
WW.PPI-21RT-2	21	Right	2
WW.PPI-22RT-2	22	Right	2

REF	Foot Size/cm	Side	Category
WW.PPI-13RT-3	13	Right	3
WW.PPI-14RT-3	14	Right	3
WW.PPI-15RT-3	15	Right	3
WW.PPI-16RT-3	16	Right	3
WW.PPI-17RT-3	17	Right	3
WW.PPI-18RT-3	18	Right	3
WW.PPI-19RT-3	19	Right	3
WW.PPI-20RT-3	20	Right	3
WW.PPI-21RT-3	21	Right	3
WW.PPI-22RT-3	22	Right	3

REF	Foot Size/cm	Side	Category
WW.PPI-13RT-4	13	Right	4
WW.PPI-14RT-4	14	Right	4
WW.PPI-15RT-4	15	Right	4
WW.PPI-16RT-4	16	Right	4
WW.PPI-17RT-4	17	Right	4
WW.PPI-18RT-4	18	Right	4
WW.PPI-19RT-4	19	Right	4
WW.PPI-20RT-4	20	Right	4
WW.PPI-21RT-4	21	Right	4
WW.PPI-22RT-4	22	Right	4

## 2: Add a Proximal Adapter

REF	Product
WW.PPF-1208	Foot Pyramid Adapter Pediatric Tl
WW.PPF-1209	Foot Pyramid Receiver Pediatric AL
WW.PPF-FS006	Symes Nut Pediatric Tl
WW.PPF-1518SL	Impulse Ankle Block Pediatric Sz15-18 Lt
WW.PPF-1518SR	Impulse Ankle Block Pediatric Sz15-18 Rt
WW.PPI-1922LL	Impulse Ankle Block Pediatric Sz19-22 Lt
WW.PPI-1922LR	Impulse Ankle Block Pediatric Sz19-22 Rt

## Optional Accessories

REF	Product
WW.PPF-GKIT	Growth Kit Pediatric

Other versions of the foot cosmesis in colors buff or medium brown are available as special order items with REF WW.PPI-X.



## ◆ Exoskeletal Ankle Blocks

Ankle blocks for combination with WillowWood pediatric prosthetic feet. When using an exoskeletal ankle block no foot adapter is necessary.

REF	Product	Side	Weight Limit/kg	Material
<b>WW.PPF-1518SL</b>	Impulse Ankle Block Pediatric Sz15-18 Lt	Left	60	Rigid Foam/ Aluminum
<b>WW.PPF-1518SR</b>	Impulse Ankle Block Pediatric Sz15-18 Rt	Right	60	Rigid Foam/ Aluminum
<b>WW.PPI-1922LL</b>	Impulse Ankle Block Pediatric Sz19-22 Lt	Left	60	Rigid Foam/ Aluminum
<b>WW.PPI-1922LR</b>	Impulse Ankle Block Pediatric Sz19-22 Rt	Right	60	Rigid Foam/ Aluminum
<b>WW.PPS-1518SL</b>	SACH Ankle Block Pediatric Sz15-18 Lt	Left	60	Rigid Foam/ Aluminum
<b>WW.PPS-1518SR</b>	SACH Ankle Block Pediatric Sz15-18 Rt	Right	60	Rigid Foam/ Aluminum
<b>WW.PPS-1922LL</b>	SACH Ankle Block Pediatric Sz19-22 Lt	Left	60	Rigid Foam/ Aluminum
<b>WW.PPS-1922LR</b>	SACH Ankle Block Pediatric Sz19-22 Rt	Right	60	Rigid Foam/ Aluminum



WW.PPF-1208



WW.PPF-1209

### ◆ Foot Adapters

Foot adapters, Ø 22 mm, for combination with WillowWood pediatric prosthetic feet.

REF	Product	System Height/ mm	Weight /g	Weight Limit/kg	Material
<b>WW.PPF-1208</b>	Foot Pyramid Adapter Pediatric TI	5	15	60	Titanium
<b>WW.PPF-1209</b>	Foot Pyramid Receiver Pediatric AL	19	35	60	Aluminum



WW.PPF-FS006

### • Symes Nut

REF	Product	System Height/ mm	Weight /g	Weight Limit/kg	Material
<b>WW.PPF-FS006</b>	Symes Nut Pediatric TI	12	30	60	Titanium



WW.PPF-GKIT

#### Optional Accessories (for Titanium Foot Pyramid and Foot Pyramid Receiver):

<b>WW.PPF-GKIT</b>	Growth Kit Pediatric
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APJR-10TC2

## ◆ Pylon Adapter with Receiver Adapter

### • Pylon Adapter

Pylon diameter: 22 mm, pyramid receiver: 22 mm.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	Torque
APJR-10TC2	254	150	60	Titanium	4x M6x1.0x10	7 Nm



APJR-10TC2-A

### • Pylon Adapter

Pylon diameter: 22 mm, pyramid receiver: 30 mm.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	Torque
APJR-10TC2-A	254	179	60	Titanium	4x M8x1.25x12	15 Nm



APJR-100C

## ◆ Tube Clamp Adapter

### • Tube Clamp Adapter

For tube diameter of 22 mm, pyramid receiver: 22mm.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	Torque
APJR-100C	41	62	60	Titanium	4x M6x1.0x10 1x M4x0.7x16	7 Nm 5 Nm



APJR-100C-A

### • Tube Clamp Adapter

For tube diameter of 22 mm, pyramid receiver: 30 mm

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	Torque
APJR-100C-A	47	79	60	Titanium	4x M8x1.25x12 1x M4x0.7x16	15 Nm 5 Nm



APJR-425BH

## ◆ 4-Hole Adapters

### • 4-Hole Adapter

Titanium, with pyramid, for 22-mm systems.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	Torque
APJR-425BH	7.4	37	60	Titanium	n/a	n/a



APJR-450BF

### • 4-Hole Adapter

Titanium, with pyramid receiver, for 22-mm systems.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	Torque
APJR-450BF	19	54	60	Titanium	4x M6x1.0x10	7 Nm



APJR-400A

## ◆ 4-Hole Adapter, Offset

Titanium 4-hole adapter, with pyramid, axial or diagonal offset, for 22-mm systems.



APJR-400D

REF	System-höhe/mm	Offset/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	Torque
APJR-400A	7.4	Axial 6.5	45	60	Titanium	n/a	n/a
APJR-400D	7.4	Diagonal 5	48	60	Titanium	n/a	n/a



APJR-460TB



APJR-50FS-12



APJR-50FS-06



APJR-50FS

◆ 4-Hole Adapter, with Rotatable Insert

Titanium 4-hole adapter, rotatable, with pyramid receiver in three heights, for 22-mm systems.

Please select the two REFs of your desired combination.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	Torque
APJR-460TB	8.6	60	60	Titanium	4x M5x0.8x20 1x M5x0.8x20	7 Nm 9 Nm
Combinable with						
APJR-50FS	9.7	34	60	Titanium	4x M6x1.0x10	7 Nm
APJR-50FS-06	16	46	60	Titanium	4x M6x1.0x10	7 Nm
APJR-50FS-12	22	59	60	Titanium	4x M6x1.0x10	7 Nm



APJR-132D

### ◆ Dual Adapter

Titanium dual adapter, with pyramid receiver on both ends.  
Three heights, for 22-mm systems.



APJR-145D



APJR-160D

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	Torque
APJR-132D	32	62	60	Titanium	8x M6x1.0.10	7 Nm
APJR-145D	45	74	60	Titanium	8x M6x1.0.10	7 Nm
APJR-160D	60	92	60	Titanium	8x M6x1.0.10	7 Nm



APJR-740L

### ◆ 4-Prong Adapter

Titanium 4-prong adapter, with pyramid, for 22-mm systems.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	Torque
APJR-740L	5	45	60	Titanium	n/a	n/a



APJR-AL-4x4-SLIDE

### ◆ 4-Hole Slide Connector

Aluminum 4-hole slide adapter, with 18 mm slide range, for 22-mm systems.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	Torque
APJR-AL-4x4-SLIDE	10	88	60	Aluminum	4x M5x0.8.14 4x M5x0.8x20	7 Nm 7 Nm



APJR-AL-416B

### ◆ 4-Hole Spacer Plate

4-hole spacer plate, made from aluminum or fiber composite. Combinable with 4-hole adapters.



APJR-AL-417B



WW.PPF-994114

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	Torque
APJR-AL-416B	2	3	60	Aluminum		
APJR-AL-417B	3	11	60	Aluminum		
WW.PPF-994114	6.4	10	60	Fiber Composite	4x M5x20 mm	7 Nm



WW.PPF-700250

### ◆ Laminated Socket Attachment Block

The pediatric laminated socket attachment block provides a 4-hole pattern attachment point in laminated sockets for the WillowWood pediatric 4-hole adapter.

REF	Product	System Height/mm	Weight/g	Weight Limit/kg	Material
WW.PPF-700250	Lamin. Socket Attachment Block Pediatric	16	33	60	Plastic



KA.WKL10

### ◆ KnieAgil® KA.WKL 10, Pediatric Knee Joint

This is the waterproof version of the tried-and-tested KnieAgil pediatric knee joint with a lock. The lock can be released with the pull of a cable, but can also be completely deactivated once the user's physical fitness allows it. The joint can then be used like any unlocked 4-axis joint. Despite the high weight limit of 55 kg, the joint itself only weighs 324 g. The joint is designed to be distally connected to a 22-mm pylon, and features a proximal pyramid.



REF	Product	Total Length/mm	Weight/g	Max. Flexion	Weight Limit/kg	Included in Delivery
KA.WKL10	KnieAgil WKL10 Knee Joint w/ Lock Ped. W	110 (125 incl. extension assist spring)	324	140°	55	Incl. Pyramid Adapter KA.KPA-19S
<b>Optional Accessories</b>						
KA.KPA-19S	Pyramid Adapter f. KA.WKL10/KA.WK11					



KA.WK11

### ◆ KnieAgil® KA.WK 11, Pediatric Knee Joint

This is the waterproof version of the tried-and-tested KnieAgil pediatric knee joint. The joint is a mechanical 4-axis joint. Swing phase control is performed mechanically by extension assist, and can be adjusted by changing the axis friction. Despite the high weight limit of 55 kg, the joint itself only weighs 324 g. The joint is designed to be distally connected to a 22 mm pylon, and features a proximal pyramid.



REF	Product	Total Length/mm	Weight/g	Max. Flexion	Weight Limit/kg	Included in Delivery
KA.WK11	KnieAgil WK11 Knee Joint Pediatric W	110 (125 incl. extension assist spring)	324	140°	55	Incl. Pyramid Adapter KA.KPA-19S
<b>Optional Accessories</b>						
KA.KPA-19S	Pyramid Adapter f. KA.WKL10/KA.WK11					



21.192.000.00

◆ Teh Lin Pneumatic 4-Axis Knee Joint, Pediatric

The pediatric knee joint 21.192.000.00 is a 4-axis construction with pneumatic swing phase control. Its pneumatic system is generously sized, and can be adjusted for flexion and extension independently. The joint's short overall height makes it also suitable for users with very long transfemoral residual limbs and for knee disarticulation amputees. It is designed to be used with the 22 mm pylon system, and offers a high level of efficiency. With a total weight of only 519 g it offers a very high weight limit of 55 kg.

The pneumatic pediatric joint is perfectly suitable for active children.

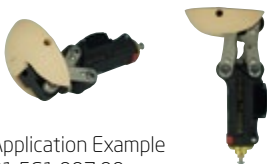
The adapter for proximal connections (REF 21.276.000.00) has to be ordered separately.



REF	Product	Total Length/mm	Weight/g	Max. Flexion	Weight Limit/kg
21.192.000.00	TehLin 4-Axis Knee Joint Pneum. Pediat.	160	519	155°	55
Required Accessories					
21.276.000.00	TehLin L-Bracket Socket Adap. Pediat. VA				
Optional Accessories					
21.561.007.00	Knee Cover f. 21.192.000.00				
21.832.231.00	Extension Stop f. 21.106.000.00&21.192.000.00				



21.276.000.00



Application Example  
21.561.007.00



WW.ALX-XXXX-X

Material	Classic Gel
Fabric Type	MAX*
Color	Buff
Suspension Style	Available in locking and cushion style
Profile/Umbrella	Uniform/Standard
Total Length	40.5 cm (+/- 1.5 cm)

◆ Alpha Pediatric Liners

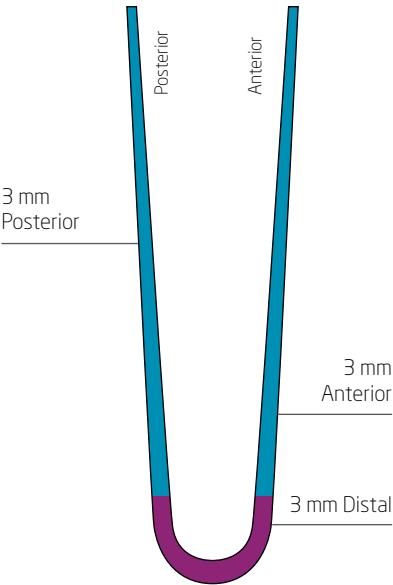
Alpha Pediatric Liners were developed specifically for children. They consist of high-quality, hypoallergenic Classic Gel.

The liners provide comfortable cushioning, and feature MAX Fabric Covers. Alpha Pediatric Liners are also suitable for very active children who need a high level of cushioning on their residual limb.

Alpha Pediatric Locking Liners feature a 6.35 mm pin connection.

We recommend using the following locks:  
WW.700-MGL480 (Mini G-Lock with 6.35 mm threaded connector) or CD.104QT (Grommet Lock), for which you also require the additional pin CD.104PQ with 6.35 mm threaded connector.

Uniform Profile

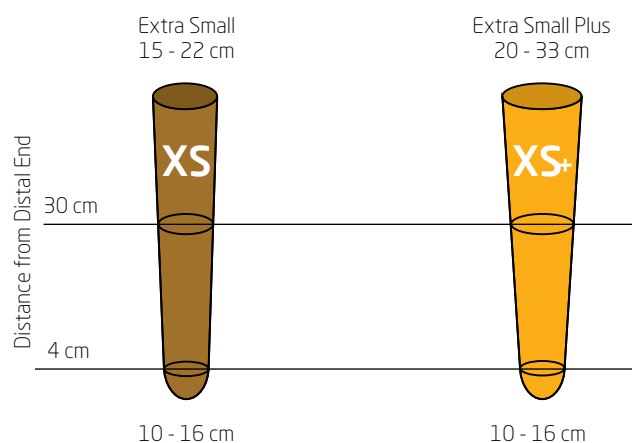


\*Terry cloth textile, very suitable for suction systems.

## Ordering Guidelines: Alpha Pediatric Liners

	WW.ALC-5832-E	Ordering Example for Alpha Pediatric Liners
Model	ALC	ALC = Alpha Cushion Liner ALL = Alpha Locking Liner
Profile	5	5 = Uniform
Fabric Type	8	8 = MAX Fabric Cover: Buff
Gel Thickness	3	3 = 3 mm
Size	2	2 = Extra Small Plus 9 = Extra Small

## Sizing Guide: Alpha Pediatric Liners



## Size Chart: Alpha Pediatric Locking Liner

REF Locking-Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.ALL-5839-E	Uniform	MAX	3	Extra Small	10 - 16	15 - 22
WW.ALL-5832-E	Uniform	MAX	3	Extra Small Plus	10 - 16	20 - 33

## Size Chart: Alpha Pediatric Cushion Liner

REF Cushion-Liner	Profile	Fabric Type	Gel Thickness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.ALC-5839-E	Uniform	MAX	3	Extra Small	10 - 16	15 - 22
WW.ALC-5832-E	Uniform	MAX	3	Extra Small Plus	10 - 16	20 - 33



WW.700-MGL480

### ◆ Mini G-Lock

The Mini G-Lock is the ideal shuttle lock system for upper extremities and pediatric prostheses. It is exceptionally lightweight. Like the G-Lock it features a button retention device which secures the release mechanism against accidental activation.



Scope of Delivery

Button Retention Device Open/Closed

REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes
WW.700-MGL480	Mini G-Lock Shuttle-L. w/ Pin Ø6.35x38mm	29	73	35.5	60	Lamination Dummy Set
<b>Optional Accessories</b>						
WW.700-MGL491	Mini G-Lock Laminating Dummy					
WW.700-MGL482	Pin Ø6.35x38mm f. WW.700-MGL480					
WW.700-MGL488	Pin Ø6.35x51mm f. WW.700-MGL480					



CD.104QT

### ◆ Grommet Lock

The Grommet Lock is one of the smallest, most lightweight pediatric locks available. It weighs only 24 g, but is a robust companion nevertheless. It can be directly laminated into the socket, or it can be connected to the socket with an alignable connector. It is then glued to the salignable connector before laminating or vacuum forming.



Scope of Delivery



CD.103PAF



REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes
CD.104QT	Grommet Lock Shuttle-L. w/ Pin Ø10x27mm	35	24	26	45	Dummy Set
Required Accessories						
CD.103PAF	Alignable Connector f. CD.104QT					
Optional Accessories						
CD.104P10	Pin Ø10x27mm f. CD.104QT					
CD.104PQ	Pin Ø6.35x27mm f. CD.104QT					

### ◆ Pediatric Suction Pyramid

REF	Product	System Height/mm	Weight/g	Diameter	Weight Limit/kg	Material	Delivery Includes
<b>WW.PPF-SP470</b>	Suction Pyramid Kit Pediatric TI	12	33	Equivalent to Pediatric System	60	Titanium	Laminated Socket Attachment Block REF WW.PPF-700250
<b>Optional Accessories</b>							
<b>WW.PPF-484</b>	Duckbill Valve f. WW.PPF-SP470						



22.240.000.3X

### ◆ Cosmetic Nylon Stockings







High-quality nylon stockings, designed to be worn over cosmetic prosthesis covers. Suitable for pediatric lower limb prostheses.

REF	Leg Length/cm	Foot Length/cm
<b>22.240.000.31</b>	34	10
<b>22.240.000.32</b>	37	11
<b>22.240.000.33</b>	44	12

# Knee Joints

A full-page background image showing three hikers with backpacks walking up a grassy hill. The sun is bright in the sky, creating a lens flare effect. The hikers are wearing hats and casual outdoor clothing. The grass is green and tall.

KnieAgil® S20  
KnieAgil® L30  
KnieAgil® LD31  
KnieAgil® LD31s  
KnieAgil® WLD31  
KnieAgil® WLD31s  
KnieAgil® SL2  
KnieAgil® PS21  
KnieAgil® P41  
KnieAgil® P44c  
KnieAgil® R1  
Sensor Knee  
Teh Lin 4-Axis Knee Joint RM  
Teh Lin 4-Axis Knee Joint  
Teh Lin Pneumatic Knee Joint, Mini  
Teh Lin Pneumatic Knee Joint,  
Knee Disarticulation

Recommended Activity Level	Weight Limit 100 kg			Weight Limit 125 kg		
3-4						
3						
2-3			<div><b>KnieAgil® P44c</b> Page 289</div> 			
2	<div><b>KnieAgil® WLD31</b> Page 284</div> 				<div><b>KnieAgil® SL2</b> Page 286</div> 	
1-2	<div><b>KnieAgil® LD31</b> Page 282</div> 			<div><b>KnieAgil® S20</b> Page 280</div> 	<div><b>KnieAgil® L30</b> Page 281</div> 	
1						

- Mechanical Joint
- Pneumatic Joint
- Hydraulic Joint

Recommended Activity Level	Weight Limit 80 kg	Weight Limit 100 kg		
4				
3-4				
3	<div><div>Teh Lin 4-Axis Knee Joint Mini</div><div>Page 294</div><div></div></div>	<div><div>Teh Lin Pneumatic Knee Joint, Knee-Disart.</div><div>Page 295</div><div></div></div>		
2-3				
2				
1-2				
1				

Weight Limit 125 kg

### Teh Lin 4-Axis Knee Joint

Page 293



### Teh Lin 4-Axis Knee Joint RM


Page 292





### Sensor Knee

Page 291



 Mechanical Joint

 Pneumatic Joint

 Hydraulic Joint

◆ KnieAgil® S20



KA.S20

The KnieAgil S20 is a monocentric brake joint with a load-dependent, high quality brake unit. The brake unit is continuously adjustable. The joint features both a distal and a proximal pyramid. An extension assist cable is included in delivery.



REF	Product	Total Length/mm	Weight/g	Max. Flexion	Weight Limit/kg
KA.S20	KnieAgilS20 Kn.Joint w/ Brake Monocentr.	75	533	140°	125
Optional Accessories					
21.989.001.00	Foam Cover AK M1				

👍 Practical Tip:



Recommended Alignment Reference Line:  
 TKA (Trochanter- Knee - Ankle)



KA.L30



◆ KnieAgil® L30

The KnieAgil L30 is a four-axis knee joint with a manual lock. The lock can be released with a cable. In extension, the security lock audibly locks into place. If the user's constitution improves, the lock can also be permanently released.

Then, the KnieAgil L30 can be used as a fully functional four-axis joint. The four-axis design of the joint aims at maximum security. It is equipped with a proximal pyramid.



REF	Product	Total Length/mm	Weight/g	Max. Flexion	Weight Limit/kg
KA.L30	KnieAgil L30 4-Axis Knee Joint w/ Lock	135	630	145°	125
Optional Accessories					
21.989.001.00	Foam Cover AK M1				
KA.AE001-2P	Release Cable f. KA.L30/LD31x/WLD31x				

👍 Practical Tip:



Recommended Alignment Reference Line:  
TKA (Trochanter- Knee - Ankle)



KA.LD31

### ◆ KnieAgil® LD31

The KnieAgil LD31 is a mechanical four-axis joint with a locking mechanism. Due to the design of the axle journal it is especially suitable for amputees who have had a knee disarticulation. The lock can be released with a cable, and automatically activates in extension. If the user's constitution improves, the lock can also be permanently released. The proximal adapter connection area allows for an installed adapter to be shifted either towards anterior or posterior by 5mm.

Because one can adjust the position of the proximal adapter, it is possible to influence the position of the load line as well. Thereby, the standing stability during extension can be improved, and flexion initiation can be made easier for the user.

The joint is shipped with the medium strength spring, REF KA.EA016, installed. No adapter included.



REF	Product	Total Length/mm	Weight/g	Max. Flexion	Weigth Limit/kg	Included in Delivery
KA.LD31	KnieAgil LD31 4-Axis Knee Joint w/ Lock	147	630	145°	100	Incl. Knee Cover KA.LD31-Cover
Required Accessories, Select a Proximal Adapter						
KA.KPA-10A	Pyramid Adapter f. KA.LD31					
KA.KPA-SET-03-11	Set Lamin. Anchor w/ Adapter f. KA.LD31					
KA.KPA-22	Threaded Connector f. KA.LD31					
Optional Accessories						
21.989.001.00	Foam Cover AK M1					
KA.AG035	Rubber Damper f. KA.LD31					
KA.AE001-2P	Release Cable f. KA.L30/LD31x/WLD31x					
KA.EA073	Spring Soft f. KA.LD31x/KA.WLD31x					
KA.EA016	Spring Medium f. KA.LD31					
KA.EA074	Spring Hard f. KA.LD31x/KA.WLD31x					
KA.LD31-Cover	Knee Cover f. KA.LD31					

### 👍 Practical Tip:



KA.KPA-10A



KA.KPA-22



KA.KPA-SET-03-11





KA.LD31s

### ◆ KnieAgil® LD31s

The KnieAgil WLD31s combines all the benefits of the tried and tested model LD31 but with a higher weight limit of up to 136 kg. This way, it is also possible for users of a higher weight to benefit from the waterproof 4-axis construction. The integrated lock activates in extension, and can be released with a pull of the release cable. If the lock is not needed, it can be deactivated, either temporarily or permanently.

Because one can adjust the position of the proximal adapter, it is possible to influence the position of the load line as well. The KnieAgil LD31 s is the ideal solution for the combination of a high weight limit with reliable standing stability also on wet surfaces.

The joint is shipped with the medium strength spring, REF KA.EA094, installed. No adapter included.



REF	Product	Total Length/mm	Weight/g	Max. Flexion	Weight Limit/kg	Included in Delivery
KA.LD31s	KnieAgil LD31s 4-Axis Knee Joint w/ Lock	147	775	145°	136	Incl. Knee Cover KA.LD31s-Cover Incl. Additional Spring KA.EA073

#### Required Accessories, Select a Proximal Adapter

KA.KPA-46S	Pyramid Adapter f. KA.WLD31s
KA.KPA-47S	Threaded Connector f. KA.WLD31s

#### Optional Accessories

21.989.001.00	Foam Cover AK M1
KA.AE001-2P	Release Cable f. KA.L30/LD31x/WLD31x
KA.EA073	Spring Soft f. KA.LD31x/KA.WLD31x
KA.EA094	Spring Medium f. KA.WLD31/KA.WLD31s
KA.EA074	Spring Hard f. KA.LD31x/KA.WLD31x
KA.LD31s-Cover	Knee Cover f. KA.LD31s

### 👍 Practical Tip:



KA.KPA-46S



KA.KPA-47S

Recommended Alignment Reference Line:  
TKA (Trochanter- Knee - Ankle)



KA.WLD31



### ◆ KnieAgil® WLD31

The KnieAgil WLD31 is a waterproof, mechanical four-axis joint with a lock. Due to the design of the axle journal it is also especially suitable for amputees who have had a knee disarticulation. The lock can be released with a cable, and automatically activates in extension. It is also possible to permanently deactivate the lock. The proximal adapter connection area allows for an installed adapter to be shifted either towards anterior or posterior by 5 mm.

Because one can adjust the position of the proximal adapter, it is possible to influence the position of the load line as well. Thereby, the standing stability during extension can be improved, and flexion initiation can be made easier for the user. The KnieAgil WLD31 is the ideal solution for reliable standing security also on wet surfaces.

The joint is shipped with the medium strength spring, REF KA.EA094, installed. No adapter included.



REF	Product	Total Length/mm	Weight/g	Max. Flexion	Weight Limit/kg	Included in Delivery
KA.WLD31	KnieAgil WLD31 4-Axis Knee Joint W	147	624	145°	100	Incl. Knee Cover KA.WLD31-Cover Incl. Additional Spring KA.EA073

#### Required Accessories, Select a Proximal Adapter

KA.KPA-10AS	Pyramid Adapter f. KA.WLD31
KA.KPA-SET-03-11S	Set Lamin.Anchor w/ f. Adapter KA.WLD31
KA.KPA-20S	Threaded Connector f. KA.WLD31

#### Optional Accessories

KA.AE001-2P	Release Cable f. KA.L30/LD31x/WLD31x
KA.EA073	Spring Soft f. KA.LD31x/KA.WLD31x
KA.EA094	Spring Medium f. KA.WLD31/KA.WLD31s
KA.EA074	Spring Hard f. KA.LD31x/KA.WLD31x
KA.WLD31-Cover	Knee Cover f. KA.WLD31

### 👍 Practical Tip:



KA.KPA-10AS



KA.KPA-20S



KA.KPA-SET-03-11S





KA.WLD31s



### ◆ KnieAgil® WLD31s

The KnieAgil WLD31s combines all of the benefits of the tried and tested model WLD31 but with a higher weight limit of up to 136 kg. This way, it is also possible for users of a higher weight to benefit from the waterproof 4-axis construction. The integrated lock activates in extension, and can be released with a pull of the release cable. If the lock is not needed, it can be deactivated, either temporarily or permanently.

Because one can adjust the position of the proximal adapter, it is possible to influence the position of the load line as well. The KnieAgil WLD31 s is the ideal solution for the combination of a high weight limit with reliable standing stability also on wet surfaces.

The joint is shipped with the medium strength spring, REF KA.EA094, installed. No adapter included.



REF	Product	Total Length/mm	Weight/g	Max. Flexion	Weight Limit/kg	Included in Delivery
KA.WLD31s	KnieAgil WLD31s 4-Axis Knee Joint W	147	775	145°	136	Incl. Knee Cover KA.WLD31s-Cover Incl. Additional Spring KA.EA073

#### Required Accessories, Select a Proximal Adapter

KA.KPA-46S	Pyramid Adapter f. KA.WLD31s
KA.KPA-47S	Threaded Connector f. KA.WLD31s

#### Optional Accessories

KA.AE001-2P	Release Cable f. KA.L30/LD31x/WLD31x
KA.EA073	Spring Soft f. KA.LD31x/KA.WLD31x
KA.EA094	Spring Medium f. KA.WLD31/KA.WLD31s
KA.EA074	Spring Hard f. KA.LD31x/KA.WLD31x
KA.WLD31s-Cover	Knee Cover f. KA.WLD31s

### 👍 Practical Tip:



KA.KPA-46S



KA.KPA-47S

Recommended Alignment Reference Line:  
TKA (Trochanter - Knee - Ankle)



KA.SL2



◆ KnieAgil® SL2

The KnieAgil SL2 is perfectly suited for the interim phase. It features both a manual lock and a braking unit.

The manual lock guarantees maximum security. The joint locks in extension, the lock can be released with a cable. Once the user becomes more confident, the lock can be deactivated temporarily or permanently. The braking unit is load-dependent, and can be adjusted continuously to the user's weight. The braking unit guarantees a high level of standing stability as soon as the user puts weight on the joint, even if the joint is slightly flexed.

Thanks to its low overall height, its low weight and its high weight limit of up to 125 kg, the joint is suitable for a wide range of users.



REF	Product	Total Length/mm	Weight/g	Max. Flexion	Weight Limit/kg	Included in Delivery
KA.SL2	KnieAgil SL2 Knee Joint w/ Brake&Lock	115	568	145°	125	Incl. Knee Cover KA.SL2-Cover
Optional Accessories						
21.989.001.00	Foam Cover AK M1					
KA.AE001-3P	Release Cable f. KA.SL2					
KA.EA104	Spring f. KA.SL2 Hard					
KA.SL2-Cover	Knee Cover f. KA.SL2					

👍 Practical Tip:





KA.PS21

◆ KníeAgil® PS21

The KníeAgil PS21 is a pneumatic joint with a brake unit. The pneumatic system has a flexion setting and a separate extension setting. The size of the pneumatic chamber offers high power reserves for users up to activity level 3. The response of the high quality brake unit can be adjusted continuously to the user’s weight.

The KníeAgil PS 21 is recommended for users with medium activity levels, who wish to have a smoothly responding pneumatic system which supports them during swing phase, and who want to have reliable security during stance phase at the same time.



REF	Product	Total Length/mm	Weight/g	Max. Flexion	Weight Limit/kg
KA.PS21	KníeAgil PS21 Knee Joint	226	892	145°	125
Optional Accessories					
21.989.001.00	Foam Cover AK M1				

 Practical Tip:



Recommended Alignment Reference Line:  
TKA (Trochanter - Knee - Ankle)



KA.P41

◆ KnieAgil® P41

The KnieAgil P41 is a pneumatic four-axis joint, suitable for higher loads. Its shapely housing features a proximal adapter connection area, on which the adapter can be shifted either towards anterior or posterior by 5 mm. Because one can adjust the position of the proximal adapter, it is possible to influence the position of the load line as well. Thereby, the standing stability during extension can be improved, and flexion initiation can be made easier for the user.

No adapter is included in delivery.



REF	Product	Total Length/mm	Weight/g	Max. Flexion	Weight Limit/kg
KA.P41	KnieAgil P41 4-Axis Knee Joint Pneumatic	204	846	141°	125
Required Accessories, Select a Proximal Adapter:					
KA.KPA-33A	Pyramid Adapter f. KA.P41				
KA.KPA-SET-03-34	Set Lamin. Anchor w/ Adapter f. KA.P41				
KA.KPA-21	Threaded Connector f. KA.P41				
Optional Accessories					
21.989.002.00	Foam Cover AK M2				
KA.EA045	Spring Medium f. KA.P41				

👍 Practical Tip:



Recommended Alignment Reference Line:  
TKA (Trochanter- Knee - Ankle)





KA.P44c

### ◆ KnieAgil® P44c

The KnieAgil P44c is a pneumatic four-axis knee joint. It combines exceptionally appealing design with very light weight. Its high-capacity pneumatic system allows for effective swing phase control for users with medium activity levels, and for weight limits up to 100 kg. This makes the joint also highly suitable for juvenile users.

The P44c features a pyramid adapter both proximally and distally.



REF	Product	Total Length/mm	Weight/g	Max. Flexion	Weight Limit/kg
KA.P44c	KnieAgilP44c 4-Axis Knee Joint Pneumatic.	166	669	145°	100
<b>Optional Accessories</b>					
21.989.002.00	Foam Cover AK M2				

### Practical Tip:



Recommended Alignment Reference Line:  
TKA (Trochanter- Knee - Ankle)



KA.R1

◆ KnieAgil® R1

The KnieAgil R1 is a hydraulic 4-axis joint with an additional stance flexion function. It features a rotating hydraulic system for swing phase control. The benefits of this construction are its small size and the low level of friction, which is considerably lower than that of conventional hydraulic systems.

The stance flexion function improves comfort and stability for the user: In extension, the joint can be flexed up to 12° while bearing weight and without losing any standing stability. The four-axis geometry remains in a secure extended position. The resulting effect is especially positive during heel-strike: Since the instantaneous pivot point of the joint shifts to the back, the standing stability is very high, especially also on sloped surfaces. At the same time, stance flexion creates a damping effect during heel strike.



REF	Product	Total Length/mm	Weight/g	Max. Flexion	Weight Limit/kg	Included in Delivery
KA.R1	KnieAgil R1 Kn.Joint w/ Rotary Hydraulic	175	1004	147°	136	Incl. Additional Spring KA.EA080
Optional Accessories						
21.989.002.00	Foam Cover AK M2					
KA.EA076	Spring Soft f. KA.R1					
KA.EA080	Spring Hard f. KA.R1					
KA.AG115	Damper Stance Flexion f. KA.PF50/KA.R1					

👍 Practical Tip:



Recommended Alignment Reference Line:  
TKA (Trochanter- Knee - Ankle)

## ◆ Sensor Knee



OE.2SR50X

The Sensor Knee features a weight activated hydraulic system. This makes for a unique range of functions:

1. When there is no weight put on the joint, the knee can be flexed without any flexion resistance. The hydraulic system registers this automatically, it is not necessary to activate this function manually (e.g. when riding a bike).
2. The hydraulic system quickly adapts to different walking speeds. Over a wide range of speeds the system is able to adjust to the current walking speed during swing phase in real time without any intervention.
3. To guarantee maximum safety and reduce the risk of stumbling when the user is walking on slopes or stairs, the hydraulic system also features the stance-yield function, which allows for the controlled flexion of the knee with hydraulic damping.

The off-the-shelf color for the sensor knee is silver. It is also available in red, blue or black with a delivery time of 10 days. To order the joint in one of these colors, use the REF for the custom version as given below, and specify the desired color.



REF	Product	Total Length/mm	Weight/g	Max. Flexion	Weight Limit/kg
OE.2SR500	Sensor Knee Joint	276	1141	120°	125
OE.2SR500-X	Sensor Knee Special Version	276	1141	120°	125
<b>Optional Accessories</b>					
21.989.003.00	Foam Cover AK M3				
OE.6PC508	Sensor Knee/Ultimate Knee Pyramid				
AP.TI-110AT	Pylon Receiv.Adap. 108g166kgØ30mm Titan.				
AP.TI-112-P-W	Pylon Adap. w/ Pyr. 88g166kgØ30mm Titan.				

### Practical Tip:



OE.6PC508 (Recommended Accessory)



AP.TI-112-P-W



AP.TI-110AT

Recommended Alignment Reference Line:  
TKA (Trochanter - Knee - Ankle)



21.106.000.00

◆ Teh Lin 4-Axis Knee Joint RM

This 4-axis joint consists of resilient and very light metal. Due to the separate steering mechanisms of flexion and extension damping, the efficient pneumatic system makes it easy to adjust the swing phase as desired.

The position of the axis geometry makes the joint very stable, while still allowing for an easy transition into flexion.

At 159°, the maximum flexion angle is exceptionally large.



REF	Product	Total Length/mm	Weight/g	Max. Flexion	Weight Limit/kg
21.106.000.00	TehLin RM 4-Axis Knee Joint	227	980	159°	125
Optional Accessories					
21.989.001.00	Foam Cover AK M1				
21.832.231.00	Extension Stop f. 21.106.000.00&21.192.000.00				

👍 Practical Tip:



Recommended Alignment Reference Line:  
TKA (Trochanter- Knee - Ankle)



21.104.000.01

### ◆ Teh Lin 4-Axis Knee Joint

The tried-and-tested 4-Axis Knee Joint comes in a modern design, with a higher load capacity. It combines an effective pneumatic system with a stabilizing 4-axis construction.

Thanks to its axis geometry the joint offers a high degree of standing stability.



REF	Product	Total Length/mm	Weight/g	Max. Flexion	Weight Limit/kg	Included in Delivery
21.104.000.01	TehLin 4-Axis Knee Joint	255	940	145°	125	Incl. Screw Set 4x DIN 7991 M6x12, Incl. Screw Set 4x DIN 912 M6x12
<b>Optional Accessories</b>						
21.989.001.00	Foam Cover AK M1					
21.365.000.00	Extension Stop f. 21.104.000.01					

### 👍 Practical Tip:



Recommended Alignment Reference Line:  
TKA (Trochanter - Knee - Ankle)



21.692.000.00

◆ Teh Lin Pneumatic Knee Joint, Mini

The Teh Lin Pneumatic Mini Knee Joint is a lighter version of the standard 4-axis joint (REF 21.104.000.01). With its light weight it is very well suited for older but still rather active users. The axis geometry is very similar to that of the standard joint, but the joint weighs 200 g less since it only features one pneumatic chamber. The weight limit is 80 kg.

Thanks to its axis geometry the joint offers a high degree of standing stability.



REF	Product	Total Length/mm	Weight/g	Max. Flexion	Weight Limit/kg	Included in Delivery
21.692.000.00	TehLin Mini 4-Axis Knee Joint	210	740	145°	80	Incl. Screw Set 4x DIN 7991 M6x12, Incl. Screw Set 4x DIN 912 M6x12
Optional Accessories						
21.989.001.00	Foam Cover AK M1					
21.186.000.00	TehLin 4-Hole Connector AL					

👍 Practical Tip:



21.186.000.00

Recommended Alignment Reference Line:  
TKA (Trochanter- Knee - Ankle)



21.105.000.00

### ◆ Teh Lin Pneumatic Knee Joint, Knee Disarticulation

The axis geometry of the pneumatic 4-axis joint was developed for knee-disarticulated users. The pneumatic system with a dual chamber provides swing phase control, and is the most efficient pneumatic system by Teh Lin.

Thanks to its axis geometry the joint offers a high degree of standing stability.

For users with activity level 2 and up we recommend using the optional L-bracket socket adapter made of steel, REF 21.185.000.00



REF	Product	Total Length/mm	Weight/g	Max. Flexion	Weight Limit/kg	Included in Delivery
21.105.000.00	TehLin 4-Axis Knee Joint Knee Disart.	267	1126	135°	100	Incl. Aluminum L-Bracket Socket Adapter, Incl. Screw Set 4x DIN 7991 M6x12, Incl. Screw Set 4x DIN 912 M6x12
<b>Optional Accessories</b>						
21.989.002.00	Foam Cover AK M2					
21.185.000.00	TehLin L-Bracket Socket Adapter VA					

### Practical Tip:



21.185.000.00

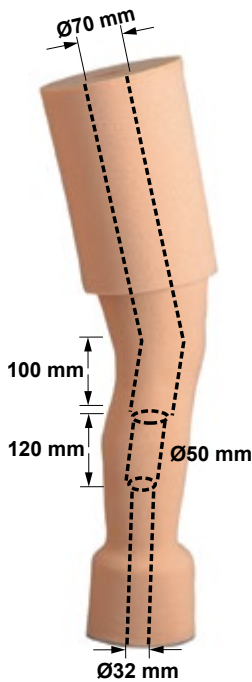
Recommended Alignment Reference Line:  
TKA (Trochanter- Knee - Ankle)



# Accessories



Cosmetic Foam Cover, AK, Pre-Milled  
Cosmetic Foam Cover, BK, PE, Block  
Cosmetic Foam Cover, BK, Conical  
Knee Cover for KnieAgil Joints  
Knee Joint Cover for Teh Lin Knee Joints  
Pyramid Protection  
Amputee Cushion  
Cosmetic Nylon Stockings  
Donning Aids  
Teufel Fix Prosthesis Bandage  
TES-Belt  
Prosthesis Bag  
Plastic Bag for Prosthetic Limbs



21.989.001.00

◆ Cosmetic Foam Cover, AK, Pre-Milled

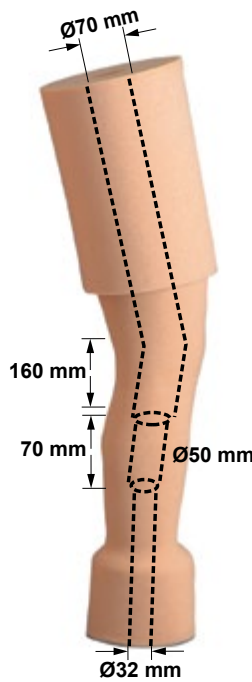
Material

- PUR (polyurethane foam)

Eigenschaften

- Universally applicable (for left or right side)
- Anatomically pre-shaped
- Two-tier central drill hole
- Matching knee joints
  - KAL30
  - KALD31
  - KALD31s
  - KASL2
  - KAPS21
  - KAS20
  - 21.104.000.01
  - 21.106.000.00
  - 21.692.000.00

REF	Calf Circumference/ mm	Knee Height/ mm	Flexion	Side
21.989.001.00	430	520	30°	Left + Right



21.989.002.00

◆ Cosmetic Foam Cover, AK, Pre-Milled

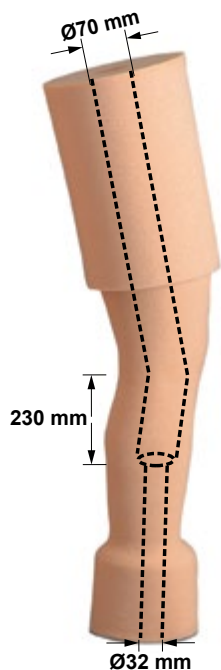
Material

- PUR (polyurethane foam)

Properties

- Universally applicable (for left or right side)
- Anatomically pre-shaped
- Two-tier central drill hole
- Matching knee joints
  - KAP41
  - KAR1
  - KAP44c
  - 21.105.000.00

REF	Calf Circumference/ mm	Knee Height/ mm	Flexion	Side
21.989.002.00	430	520	30°	Left + Right



21.989.003.00

### ◆ Cosmetic Foam Cover, AK, Pre-Milled

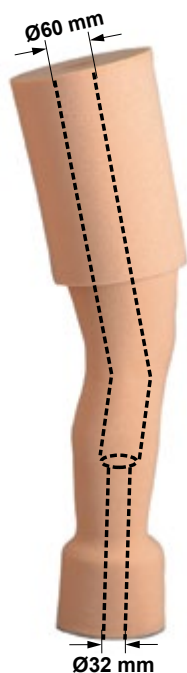
#### Material

- PUR (polyurethane foam)

#### Properties

- Universally applicable (for left or right side)
- Anatomically pre-shaped
- One-tier central drill hole
- Matching knee joints
  - OE.2SR500

REF	Calf Circumference/ mm	Knee Height/ mm	Flexion	Side
21.989.003.00	430	520	30°	Left + Right



21.822.052.00

### ◆ Cosmetic Foam Cover, AK, Pre-Milled

#### Material

- PUR (polyurethane foam)

#### Properties

- Universally applicable (for left or right side)
- Anatomically pre-shaped
- One-tier central drill hole

REF	Calf Circumference/ mm	Knee Height/ mm	Flexion	Side
21.822.052.00	430	520	30°	Left + Right



21.816.001.00

### ◆ Cosmetic Foam Cover, BK, PE, Block

#### Application

- Cosmetic foam cover for modular and BK prostheses

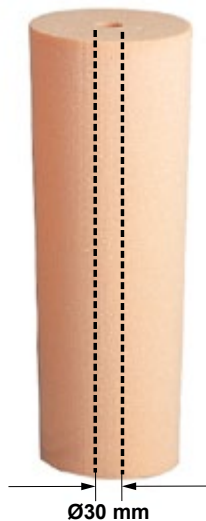
#### Material

- Polyethylene (PE)

#### Properties

- Suited for use on the left and the right side
- Thermoformable at approx. 100-130 °C
- Easy to sand
- Easy to glue

REF	Height/ mm	Width/ mm	Depth/ mm	Ø Drill Hole/mm	Color	PU/Quan- tity
<b>21.816.001.00</b>	480	160	160	30	Skin-Colored	1



21.817.000.00

### ◆ Cosmetic Foam Cover, BK, Conical

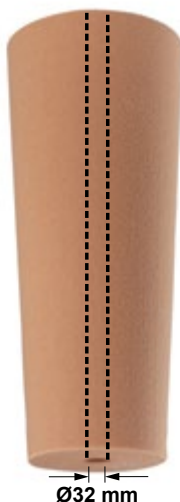
#### Material

- PUR (polyurethan foam)

#### Properties

- Suited for use on the left and the right side
- Conical, not pre-shaped
- Continuous drill hole: Ø30 mm

REF	Height/ mm	Ø Top/ mm	Ø Bot- tom/mm	Ø Drill Hole/ mm	Side	PU/ Quantity
<b>21.817.000.00</b>	500	190	160	30	Left + Right	1



WW.700-BKX-032C-VP

### ◆ Cosmetic Foam Cover, BK, Conical

#### Material

- PUR (polyurethan foam)

#### Properties

- Suited for use on the left and the right side
- Conical, not pre-shaped
- Continuous drill-hole: Ø32 mm
- Harder (approx. 10 %) and lighter quality than REF 21.817.000.00

REF	Height/ mm	Ø Top/ mm	Ø Bot- tom/mm	Ø Drill Hole/mm	Side	PU/ Quantity
<b>WW.700-BKX-032C-VP</b>	480	180	150	32	Left + Right	1



### ◆ Knee Cover for KnieAgil Joints

Included in delivery with the according knee joints, spare part.

REF	for Knee Joint
KA.LD31-Cover	KA.LD31
KA.LD31s-Cover	KA.LD31s
KA.WLD31-Cover	KA.WLD31
KA.WLD31s-Cover	KA.WLD31s
KA.SL2-Cover	KA.SL2



21.561.00X.XX

### ◆ Knee Joint Cover for Teh Lin Knee Joints

Can be used instead of the original knee joint covers on split cosmetic covers.

REF	for Knee Joint
21.561.000.00	21.104.000.01
21.561.002.00	21.105.000.00
21.561.004.00	21.692.000.00
21.561.007.00	21.192.000.00



22.050.130.01

### ◆ Pyramid Protection

#### Application

- Protects pyramids during alignment

#### Material

- Stainless Steel

#### Properties

- Easily snaps onto the pyramid
- Suited for all pyramids with a weight limit of up to 166 kg
- Only suited for use during fittings

REF	Product	PU/Quantity
22.050.130.01	Pyramid Protection	1



20.830.X00.00

### ◆ Amputee Cushion

The simple solution for users with a femoral prosthesis or knee disarticulation prosthesis. This cushion prevents the pelvic tilt that can be caused by the socket while the user is sitting. Also great for using on a car seat. Cushion consists of PUR foam, has a removable cover and appropriately shaped cut-outs for the socket. Height: 6 cm. Color: blue.

REF	Side
20.830.100.00	Left
20.830.200.00	Right

## ◆ Cosmetic Nylon Stockings

High-quality nylon stockings, designed to be worn over cosmetic foam covers for prostheses. Available in different versions. The BK-version can be used for BK-prostheses, the AK-version for AK, knee disarticulation and hip disarticulation prostheses.



22.240.000.1X

### • Cosmetic Nylon Stockings, BK

REF	Leg Length/cm	Foot Length/cm	Cuff Circumference/cm	Included in Delivery
22.240.000.11	36	20	25	VPE: 2
22.240.000.12	41	21	25	VPE: 2
22.240.000.13	46	21	27	VPE: 2



22.240.000.2X

### • Cosmetic Nylon Stockings, AK

REF	Leg Length/cm	Foot Length/cm	Cuff Circumference/cm	included in Delivery
22.240.000.20	59	20	36	VPE: 2
22.240.000.21	62	20	36	VPE: 2
22.240.000.22	66	21	38	VPE: 2
22.240.000.23	72	21	40	VPE: 2
22.240.000.24	84	22	40	VPE: 2

### • Connecting Piece

For attaching the foam cover to an AK socket. The silicone coating on the inside of the cuff guarantees perfect grip.



22.240.000.2X

REF	Length/cm	Cuff Circumference/cm
22.240.000.27	22	34
22.240.000.28	22	35
22.240.000.29	22	36

## ◆ Donning Aids

### • Teufel Slipper

Our trusted donning aid. The thin but firm textile of the Teufel Slipper is smooth on both the inside and the outside, and helps users don their prosthesis with ease.



30.669.XXX.XX

REF	Femoral Circumference*/cm	Size
30.669.233.00	33-40	F2
30.669.341.00	41-50	F3
30.669.451.00	51-60	F4
30.669.561.00	61-70	F5

\*Femoral circumference in the crotch area.

### • Easy-Slipper

Donning aid for amputees - especially easy donning of the socket thanks to slippery, two-layer material.



22.260.000.0X

REF	Limb Circumference Distal max./cm	Limb Circumference Proximal max./cm	Length/cm	Color	Size
22.260.000.01	24	40	43	Yellow	XS
22.260.000.02	26	44	50	Red	S
22.260.000.03	28	56	50	Dark Blue	M
22.260.000.04	30	68	50	Green	L
22.260.000.05	36	76	52	Light Blue	XL
22.260.000.06	38	88	60	Purple	2XL



40.507.0XX.XX

### ◆ Teufel Fix Prosthesis Bandage

48% polyamide, 52% elastodiene. Guarantees secure wearing comfort for users of especially short prostheses (ptb and kbm), length: 27 cm.

REF	Limb Circumference/cm (Measured About 10 cm Above the Knee)
40.507.028.00	28
40.507.030.00	30
40.507.032.00	32
40.507.034.00	34
40.507.036.00	36
40.507.038.00	38
40.507.040.00	40
40.507.042.00	42
40.507.044.00	44
40.507.046.00	46
40.507.048.00	48
40.507.050.00	50
40.507.052.00	52
40.507.054.00	54
40.507.056.00	56



### ◆ TES-Belt

The TES-Belt is a suspension belt for classical AK prostheses. The elastic fastenings on the user's hip and the prosthetic socket create a connection that secures the position of the socket while hardly limiting mobility.

REF	Product	Socket Circumference/cm	Hip Circumference/cm	Size	Side
OE.P317	TES-Belt S Lt	40.5 - 50.5	84 - 104	S	Left
OE.P319	TES-Belt M Lt	48.5 - 58.5	94 - 122	M	Left
OE.P321	TES-Belt L Lt	56 - 68.5	105 - 134.5	L	Left
OE.P318	TES-Belt S Rt	40.5 - 50.5	84 - 104	S	Right
OE.P320	TES-Belt M Rt	48.5 - 58.5	94 - 122	M	Right
OE.P322	TES-Belt L Rt	56 - 68.5	105 - 134.5	L	Right



90.302.020.10

### ◆ Prosthesis Bag

Functional prosthesis bag. For transportation or storage. Made of robust textile, with adjustable shoulder strap.

REF	Product
90.302.020.00	Prosthesis Bag AK w/ Teufel Logo
90.302.020.10	Prosthesis Bag BK w/ Teufel Logo



90.302.033.00

### ◆ Plastic Bag for Prosthetic Limbs

Made from robust, opaque plastic film. For transportation and storage of BK, AK and knee-disarticulation prostheses. Length: 110 cm, width: 45 cm.

REF	Product
90.302.033.00	Plastic Bag f. Prostheses w/ Teufel Logo



# Stump Socks

Teufel Nylon Sheaths  
Size Determination for Classic  
Stump Socks  
Stump Socks 3318 Classic Fine  
Classic Socks, Custom Features  
Stump Socks 3300 Classic Standard  
Classic Socks, Custom Features  
Stump Socks 3303 Classic Extra  
Classic Socks, Custom Features  
Stump Socks Classic Stretch  
Stump Socks for Arm Prostheses  
Stump Socks Basic Line  
Stump Socks Special Line  
Stump Socks CoolMax®  
Stump Socks LOGO  
Chopart and Lisfranc Socks  
Forefoot Socks





Application Example



30.XXX.XXX.XX

## ◆ Teufel Nylon Sheaths

Teufel Nylon Sheaths meet the standard "Made in Germany". The sheaths are elastic, finely knit, and can be worn like a second skin underneath a woollen stump sock. The sheaths have a very smooth exterior, and adhere to the skin, so the woollen sock can easily glide onto the residual limb. This way, any chafing of the skin will be avoided.

### Size Determination

Whether to choose shape A, B, C, D etc. is determined by the femoral circumference at the upper edge of the prosthesis. The length of the cuff (13 cm) is not included in the lengths given below. The lengths listed below are measured from the end of the residual limb to the highest point of the socket brim.

### Shape Determination

Shape A (20): for 18x9 and 20x10 Stump Socks,  
Femoral Circumference up to 50 cm

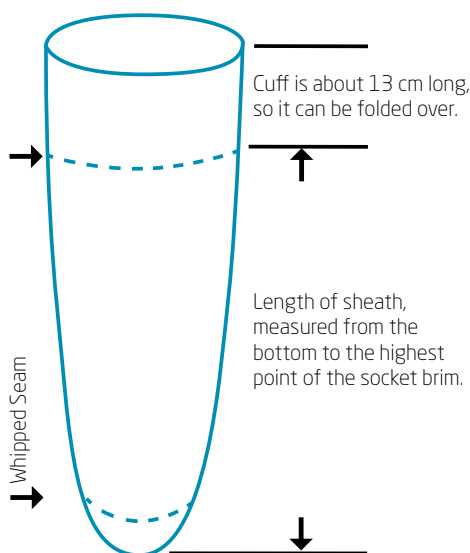
Shape B (25): for 22x12 and 24x14 Stump Socks,  
Femoral Circumference up to 60 cm

Shape C (30): for Stump Socks with Femoral Circumference over 60 cm

Shape D (17): for 15x9, 15x10 and 14x10 Stump Socks,  
Circumference Below Knee up to 35 cm

Shape E (12): for Arm Stump Socks, Circumference up to 30 cm

Shape F: for Hand Stump Socks



## Teufel Nylon Sheaths Standard

Shape A	Shape B	Shape C	Shape D	Shape E	Shape F	Length/cm
				30.212.015.00	30.213.015.00	15
30.208.020.00	30.209.020.00	30.210.020.00	30.211.020.00	30.212.020.00	30.213.020.00	20
30.208.025.00	30.209.025.00	30.210.025.00	30.211.025.00	30.212.025.00	30.213.025.00	25
30.208.030.00	30.209.030.00	30.210.030.00	30.211.030.00	30.212.030.00		30
30.208.035.00	30.209.035.00	30.210.035.00	30.211.035.00	30.212.035.00		35
30.208.040.00	30.209.040.00	30.210.040.00	30.211.040.00	30.212.040.00		40
30.208.045.00	30.209.045.00	30.210.045.00	30.211.045.00	30.212.045.00		45
30.208.050.00	30.209.050.00	30.210.050.00	30.211.050.00	30.212.050.00		50
30.208.055.00	30.209.055.00	30.210.055.00	30.211.055.00	30.212.055.00		55
30.208.060.00	30.209.060.00	30.210.060.00	30.211.060.00			60
30.208.065.00	30.209.065.00	30.210.065.00	30.211.065.00			65
30.208.070.00	30.209.070.00	30.210.070.00	30.211.070.00			70
30.208.075.00	30.209.075.00	30.210.075.00	30.211.075.00			75
30.208.080.00	30.209.080.00		30.211.080.00			80

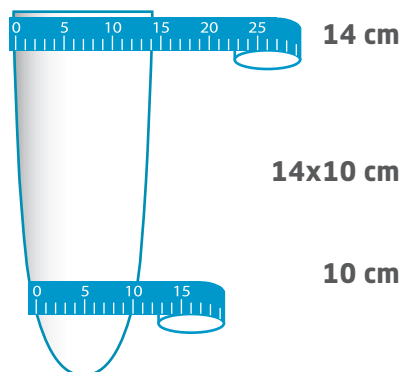
## Teufel Nylon Sheath with Liner Pin Hole

Shape A	Shape B	Shape C	Shape D	Length/cm
30.700.020.00			30.701.020.00	20
30.700.025.00	30.707.025.00	30.708.025.00	30.701.025.00	25
30.700.030.00	30.707.030.00	30.708.030.00	30.701.030.00	30
30.700.035.00	30.707.035.00	30.708.035.00	30.701.035.00	35
30.700.040.00	30.707.040.00	30.708.040.00	30.701.040.00	40
30.700.045.00	30.707.045.00	30.708.045.00	30.701.045.00	45
30.700.050.00	30.707.050.00	30.708.050.00	30.701.050.00	50
30.700.055.00	30.707.055.00	30.708.055.00		55
30.700.060.00	30.707.060.00	30.708.060.00		60
30.700.065.00	30.707.065.00			65
30.700.070.00				70
30.700.075.00				75

## Teufel Nylon Sheath Knee Disarticulation

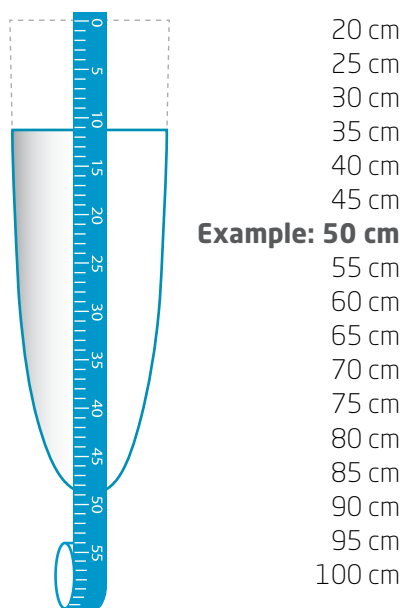
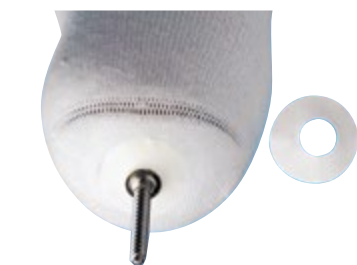
Shape A	Shape B	Length/cm
30.648.040.00	30.649.040.00	40
30.648.045.00	30.649.045.00	45
30.648.050.00	30.649.050.00	50
30.648.055.00	30.649.055.00	55

Top Width

**Example:**


Bottom Width: Always measure 10 cm above end of residual limb.

Residual Limb + Desired Turn-Up  
= Sock Length


**Example: 50 cm**


Additional raising of the knit fabric can be done on both sides of the sock, if desired. All stump socks are also available for liners, with Teufel's extra-flat reinforcement around the pin hole.

## Size Determination for Classic Stump Socks

### Selecting the Sock Width

Proximal Circumference of Residual Limb in cm	27 - 30	30 - 33	34 - 37	34 - 37	38 - 43	44 - 48	49 - 52	53 - 57
	Stump socks for Upper Extremities	AK and BK Stump Socks						
Top Width in cm	12	14	15	15**	18	20	22	24
Sock Width in cm	12x9-7	14x10	15x9	15x10	18x9	20x10	22x12	24x14
Bottom Width in cm	9-7*	10	9	10**	9	10	12	14

\*Bottom Width Depends on Overall Length \*\*Only Available in Variety 3300

### Selecting the Sock Length

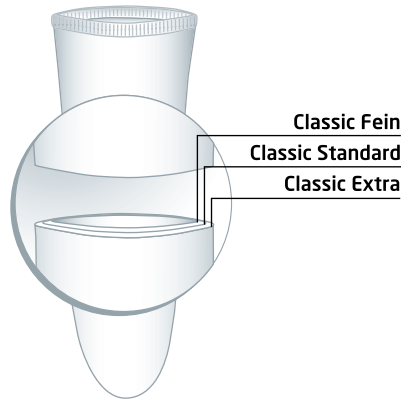
Sock Width in cm	12x9-7	14x10	15x9	15x10	18x9	20x10	22x12	24x14
	Stump Socks for Upper Extremities	AK and BK Stump Socks						
Stump Length in cm	20	-	-	-	-	-	-	-
	25	-	-	-	-	25	25	25
	30	-	30	30	30	30	30	30
	35	-	35	35	35	35	35	35
	40	40	40	40	40	40	40	40
	45	45	45	45	45	45	45	45
	50	50	50	50	50	50	50	50
	55	55	55	55	55	55	55	55
	60	60	60	60	60	60	60	60
	-	-	65	65	65	65	65	65
	-	-	70	70	70	70	70	70
	-	-	75	75	75	75	75	75
	-	-	-	-	80	80	80	80
	-	-	-	-	85	85	85	85
	-	-	-	-	90	90	90	90
	-	-	-	-	95	95	95	95
	-	-	-	-	100	100	100	100

## ◆ Stump Socks 3318 Classic Fine

70 % new wool, 30 % viscose, color code hem seam: white.



30.XXX.XXX.XX



**Thicknesses:** Based on Sock Classic Fine

Sock Classic Standard = 2 Socks Classic Fine

Sock Classic Extra = 1 Sock Classic Standard  
+ 1 Sock Classic Fine

### 3318 Classic Fine

Width/cm Top/ Bottom 15x09	Width/cm Top/ Bottom 14x10	Width/cm Top/ Bottom 18x09	Width/cm Top/ Bottom 20x10	Width/cm Top/ Bottom 22x12	Width/cm Top/ Bottom 24x14	Length/cm
			30.173.025.00	30.174.025.00	30.175.025.00	25
30.191.030.00		30.172.030.00	30.173.030.00	30.174.030.00	30.175.030.00	30
30.191.035.00		30.172.035.00	30.173.035.00	30.174.035.00	30.175.035.00	35
30.191.040.00	30.193.040.00	30.172.040.00	30.173.040.00	30.174.040.00	30.175.040.00	40
30.191.045.00	30.193.045.00	30.172.045.00	30.173.045.00	30.174.045.00	30.175.045.00	45
30.191.050.00	30.193.050.00	30.172.050.00	30.173.050.00	30.174.050.00	30.175.050.00	50
30.191.055.00	30.193.055.00	30.172.055.00	30.173.055.00	30.174.055.00		55
30.191.060.00	30.193.060.00	30.172.060.00	30.173.060.00	30.174.060.00	30.175.060.00	60
30.191.065.00		30.172.065.00	30.173.065.00	30.174.065.00	30.175.065.00	65
30.191.070.00		30.172.070.00	30.173.070.00	30.174.070.00	30.175.070.00	70
30.191.075.00		30.172.075.00	30.173.075.00	30.174.075.00	30.175.075.00	75
		30.172.080.00	30.173.080.00	30.174.080.00	30.175.080.00	80
		30.172.085.00	30.173.085.00	30.174.085.00	30.175.085.00	85
			30.173.090.00			90
		30.172.095.00				95
			30.173.100.00	30.174.100.00	30.175.100.00	100

## ◆ Classic Socks, Custom Features

### Classic Custom Features

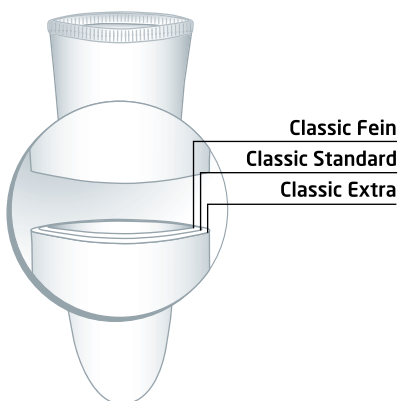
REF	Product
30.671.099.00	Charge for Pin Hole
39.997.025.00	Charge f. Raising/Shortening/Alteration



30.XXX.XXX.XX

## ◆ Stump Socks 3300 Classic Standard

70 % new wool, 30 % viscose, color code hem seam: salmon.



**Thicknesses:** Based on Sock Classic Fine

Sock Classic Standard = 2 Socks Classic Fine

Sock Classic Extra = 1 Sock Classic Standard  
+ 1 Sock Classic Fine

3300 Classic Standard							
Width/cm Top/ Bottom 15x09	Width/cm Top/ Bottom 15x10	Width/cm Top/ Bottom 14x10	Width/cm Top/Bottom 18x09	Width/cm Top/Bottom 20x10	Width/cm Top/Bottom 22x12	Width/cm Top/ Bottom 24x14	Length /cm
30.192.025.00	30.622.025.00		30.176.025.00	30.177.025.00	30.178.025.00	30.179.025.00	25
30.192.030.00	30.622.030.00		30.176.030.00	30.177.030.00	30.178.030.00	30.179.030.00	30
30.192.035.00	30.622.035.00		30.176.035.00	30.177.035.00	30.178.035.00	30.179.035.00	35
30.192.040.00	30.622.040.00	30.194.040.00	30.176.040.00	30.177.040.00	30.178.040.00	30.179.040.00	40
30.192.045.00	30.622.045.00	30.194.045.00	30.176.045.00	30.177.045.00	30.178.045.00	30.179.045.00	45
30.192.050.00	30.622.050.00	30.194.050.00	30.176.050.00	30.177.050.00	30.178.050.00	30.179.050.00	50
30.192.055.00	30.622.055.00	30.194.055.00	30.176.055.00	30.177.055.00	30.178.055.00	30.179.055.00	55
30.192.060.00	30.622.060.00	30.194.060.00	30.176.060.00	30.177.060.00	30.178.060.00	30.179.060.00	60
30.192.065.00	30.622.065.00		30.176.065.00	30.177.065.00	30.178.065.00	30.179.065.00	65
30.192.070.00	30.622.070.00		30.176.070.00	30.177.070.00	30.178.070.00	30.179.070.00	70
30.192.075.00	30.622.075.00		30.176.075.00	30.177.075.00	30.178.075.00	30.179.075.00	75
			30.176.080.00	30.177.080.00	30.178.080.00	30.179.080.00	80
			30.176.085.00	30.177.085.00	30.178.085.00	30.179.085.00	85
			30.176.090.00	30.177.090.00	30.178.090.00	30.179.090.00	90
				30.177.095.00	30.178.095.00	30.179.095.00	95
			30.176.100.00	30.177.100.00	30.178.100.00	30.179.100.00	100

## ◆ Classic Socks, Custom Features

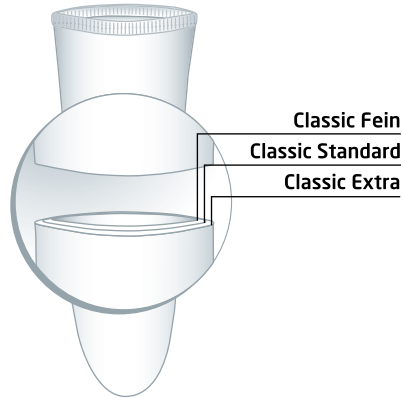
Classic Custom Features	
REF	Product
30.671.099.00	Charge for Pin Hole
39.997.025.00	Charge f. Raising/Shortening/Alteration



30.XXX.XXX.XX

## ◆ Stump Socks 3303 Classic Extra

70 % new wool, 30 % viscose, color code hem seam: green.



**Thicknesses:** Based on Sock Classic Fine

Sock Classic Standard = 2 Socks Classic Fine

Sock Classic Extra = 1 Sock Classic Standard  
+ 1 Sock Classic Fine

### 3303 Classic Extra

Width/cm Top/Bottom 15x09	Width/cm Top/Bottom 18x09	Width/cm Top/Bottom 20x10	Width/cm Top/Bottom 22x12	Width/cm Top/Bottom 24x14	Length/cm
		30.181.025.00	30.182.025.00		25
30.528.030.00	30.180.030.00	30.181.030.00	30.182.030.00	30.183.030.00	30
30.528.035.00	30.180.035.00	30.181.035.00	30.182.035.00	30.183.035.00	35
30.528.040.00	30.180.040.00	30.181.040.00	30.182.040.00	30.183.040.00	40
30.528.045.00	30.180.045.00	30.181.045.00	30.182.045.00	30.183.045.00	45
30.528.050.00	30.180.050.00	30.181.050.00	30.182.050.00	30.183.050.00	50
30.528.055.00	30.180.055.00	30.181.055.00	30.182.055.00	30.183.055.00	55
30.528.060.00	30.180.060.00	30.181.060.00	30.182.060.00	30.183.060.00	60
30.528.065.00	30.180.065.00	30.181.065.00	30.182.065.00	30.183.065.00	65
30.528.070.00	30.180.070.00	30.181.070.00	30.182.070.00	30.183.070.00	70
30.528.075.00	30.180.075.00	30.181.075.00	30.182.075.00	30.183.075.00	75
	30.180.080.00	30.181.080.00	30.182.080.00	30.183.080.00	80
	30.180.085.00	30.181.085.00	30.182.085.00	30.183.085.00	85
		30.181.090.00	30.182.090.00		90

## ◆ Classic Socks, Custom Features

### Classic Custom Features

REF	Product
30.671.099.00	Charge for Pin Hole
39.997.025.00	Charge f. Raising/Shortening/Alteration



30.76X.XXX.XX

### ◆ Stump Socks Classic Stretch

Our "Classic Stretch" stump socks combine new wool with the hollow fiber CoolMax. This makes the socks exceptionally elastic, so they can also be used on unusual limb shapes. They are the same thickness as the "Classic Standard" stumps socks, variety 3300 (55 % new wool, 24 % viscose, 20 % polyester, 1 % spandex).

Classic Stretch			
Width/cm Top/Bottom 12x09	Width/cm Top/Bottom 17x10	Width/cm Top/Bottom 22x12	Length/cm
30.760.025.00	30.761.025.00		25
30.760.030.00	30.761.030.00		30
30.760.035.00	30.761.035.00		35
30.760.040.00	30.761.040.00		40
30.760.045.00	30.761.045.00		45
30.760.050.00	30.761.050.00	30.762.050.00	50
	30.761.055.00	30.762.055.00	55
30.760.060.00	30.761.060.00	30.762.060.00	60
	30.761.065.00	30.762.065.00	65
	30.761.070.00	30.762.070.00	70
	30.761.075.00	30.762.075.00	75
	30.761.080.00	30.762.080.00	80



## ◆ Stump Socks for Arm Prostheses

70 % new wool, 30 % viscose.

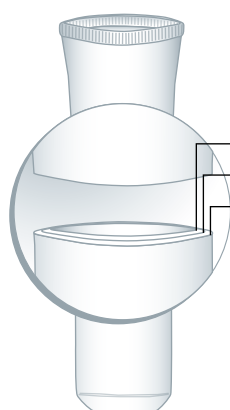
### Stump Socks for Arm Prostheses

3318 Classic Fine, Color Hem Seam: White	3300 Classic Standard, Color Hem Seam: Salmon	3303 Classic Extra, Color Hem Seam: Green	Length/cm	Width/cm Top/Bottom
30.187.020.00	30.188.020.00	30.575.020.00	20	12x9
30.187.025.00	30.188.025.00	30.575.025.00	25	12x9
30.187.030.00	30.188.030.00	30.575.030.00	30	12x8
30.187.035.00	30.188.035.00	30.575.035.00	35	12x8
30.187.040.00	30.188.040.00	30.575.040.00	40	12x7.5
30.187.045.00	30.188.045.00		45	12x7.5
30.187.050.00	30.188.050.00	30.575.050.00	50	12x7
30.187.055.00	30.188.055.00	30.575.055.00	55	12x7
30.187.060.00	30.188.060.00	30.575.060.00	60	12x7



30.XXX.XXX.XX


Length Indication  
Knitted Into Fabric

Whipped Seam  
≅ Color Code  
Color Code ≅ Variety

Terry Cotton Extra  
Terry Cotton  
Cotton Fine

**Thicknesses:**

Based on Sock Classic Fine

Sock Classic Standard  
= 2 Socks Classic Fine

Sock Classic Extra  
= 1 Sock Classic Standard  
+ 1 Sock Classic Fine

## ◆ Stump Socks Basic Line

The high-quality standard.

Three fabric varieties available in lengths of 25-60cm, color: white.

Classic distally closed design or pin liner design (with pin hole) available.

**Varieties:**

- Cotton Fine:** 83 % cotton, 16 % polyamide, 1 % spandex.  
Very fine and thin sock, available in lengths of 30-45 cm.  
Color Code: Light Blue
- Terry Cotton:** 82 % cotton, 18 % polyamide.  
Soft terry sock, available in lengths of 30-45 cm.  
Color Code: Pink.
- Terry Cotton Extra:** 90 % cotton, 9 % polyamide, 1 % spandex.  
Very fluffy terry sock. Available in lengths of 30-45 cm.  
Color Code: Green.

**Cotton Fine**

Color: White	Length/cm
30.676.025.00	25
30.676.030.00	30
30.676.035.00	35
30.676.040.00	40
30.676.045.00	45
30.676.050.00	50
30.676.060.00	60

**Terry Cotton Extra**

Color: White	Length/cm
30.745.025.00	25
30.745.030.00	30
30.745.035.00	35
30.745.040.00	40
30.745.045.00	45
30.745.050.00	50
30.745.060.00	60

**Cotton Fine with Liner Pin Hole**

Color: White	Length/cm
30.676.725.10	25
30.676.730.10	30
30.676.735.10	35
30.676.740.10	40
30.676.745.10	45
30.676.750.10	50
30.676.760.10	60

**Terry Cotton Extra with Liner Pin Hole**

Color: White	Length/cm
30.745.725.10	25
30.745.730.10	30
30.745.735.10	35
30.745.740.10	40
30.745.745.10	45
30.745.750.10	50
30.745.760.10	60

**Terry Cotton**

Color: White	Length/cm
30.686.025.00	25
30.686.030.00	30
30.686.035.00	35
30.686.040.00	40
30.686.045.00	45
30.686.050.00	50
30.686.060.00	60

**Terry Cotton with Liner Pin Hole**

Color: White	Length/cm
30.686.725.10	25
30.686.730.10	30
30.686.735.10	35
30.686.740.10	40
30.686.745.10	45
30.686.750.10	50
30.686.760.10	60

## ◆ Stump Socks Special Line

Special Line Socks are available in many different varieties and colors.

Classic, distally closed design.

### Varieties:

- Cotton Fine:** 83 % cotton, 16 % polyamide, 1 % spandex.  
Very fine and thin sock. Color code: Light Blue
- Terry Cotton:** 82 % cotton, 18 % polyamide.  
Soft terry sock. Color code: Pink
- Terry Cotton Extra:** 90 % cotton, 9 % polyamide, 1 % spandex.  
Very fluffy terry sock. Color Code: Green
- Terry Cotton Ultra:** 83 % cotton, 16 % polyamide, 1 % spandex.  
Exceptionally stretchy terry sock. Color Code: Red



### Cotton Fine

Color: Skin	Color: Denim	Color: Natural Colored	Color: Black	Length/cm
30.750.025.00		30.680.025.00		25
30.750.030.00	30.679.030.00	30.680.030.00	30.683.030.00	30
30.750.035.00	30.679.035.00	30.680.035.00	30.683.035.00	35
30.750.040.00	30.679.040.00	30.680.040.00	30.683.040.00	40
30.750.045.00	30.679.045.00	30.680.045.00	30.683.045.00	45
30.750.050.00	30.679.050.00	30.680.050.00	30.683.050.00	50
30.750.060.00				60

### Terry Cotton

Color: Skin	Color: Denim	Color: Natural Colored	Color: Black	Length/cm
30.744.025.00				25
30.744.030.00	30.689.030.00	30.690.030.00	30.693.030.00	30
30.744.035.00	30.689.035.00	30.690.035.00	30.693.035.00	35
30.744.040.00	30.689.040.00	30.690.040.00	30.693.040.00	40
30.744.045.00	30.689.045.00	30.690.045.00	30.693.045.00	45
30.744.050.00	30.689.050.00	30.690.050.00	30.693.050.00	50
30.744.060.00				60



Length Indication  
Knitted Into Fabric

Whipped Seam  
≡ Color Code  
Color Code ≡ Variety

## • Stump Socks Special Line

Terry Cotton Extra	
Color: Skin	Length/cm
30.746.025.00	25
30.746.030.00	30
30.746.035.00	35
30.746.040.00	40
30.746.045.00	45
30.746.050.00	50
30.746.060.00	60

Terry Cotton Ultra	
Color: White	Length/cm
30.790.025.00	25
30.790.030.00	30
30.790.035.00	35
30.790.040.00	40
30.790.045.00	45
30.790.050.00	50
30.790.060.00	60

### • Stump Socks Special Line, Liner Version

Special Line Socks are available in many different lengths and colors.

Pin liner design (with pin hole).



**Cotton Fine with Liner Pin Hole**

Color: Skin	Color: Denim	Color: Natural Colored	Color: Black	Length/ cm
30.750.725.10		30.680.725.10		25
30.750.730.10	30.679.730.10	30.680.730.10	30.683.730.10	30
30.750.735.10	30.679.735.10	30.680.735.10	30.683.735.10	35
30.750.740.10	30.679.740.10	30.680.740.10	30.683.740.10	40
30.750.745.10	30.679.745.10	30.680.745.10	30.683.745.10	45
30.750.750.10	30.679.750.10	30.680.750.10	30.683.750.10	50
30.750.760.10				60

**Terry Cotton with Liner Pin Hole**

Color: Skin	Color: Denim	Color: Natural Colored	Color: Black	Length/ cm
30.744.725.10				25
30.744.730.10	30.689.730.10	30.690.730.10	30.693.730.10	30
30.744.735.10	30.689.735.10	30.690.735.10	30.693.735.10	35
30.744.740.10	30.689.740.10	30.690.740.10	30.693.740.10	40
30.744.745.10	30.689.745.10	30.690.745.10	30.693.745.10	45
30.744.750.10	30.689.750.10	30.690.750.10	30.693.750.10	50
30.744.760.10				60



30.7XX.XXX.XX

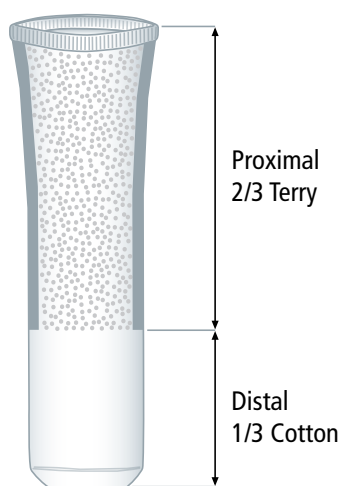
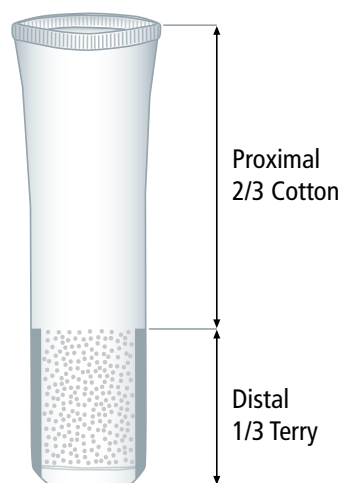
## • Stump Socks Special Line, Liner Version

### Terry Cotton Extra with Liner Pin Hole

Color: Skin	Length/cm
30.746.725.10	25
30.746.730.10	30
30.746.735.10	35
30.746.740.10	40
30.746.745.10	45
30.746.750.10	50
30.746.760.10	60

### Terry Cotton Ultra with Liner Pin Hole

Color: White	Length/cm
30.790.725.10	25
30.790.730.10	30
30.790.735.10	35
30.790.740.10	40
30.790.745.10	45
30.790.750.10	50
30.790.760.10	60



### • Stump Socks Special Line, Tapered

This version of Special Line Socks is tapered (thin-thick/thick-thin). They are perfectly suited to accommodate partial volume changes.

Available with classic distally closed design or pin-liner design (with pin hole).

#### Varieties:

- Cotton Thin-Thick:** 83 % cotton, 16 % polyamide, 1 % elastane.  
Soft terry sock that accommodates volume changes.  
Proximal 2/3 cotton, distal 1/3 terry cloth.  
Color code: Gray
- Cotton Thick-Thin:** 83 % cotton, 16 % polyamide, 1 % elastane.  
Soft terry sock that accommodates volume changes.  
Proximal 2/3 terry cloth, distal 1/3 cotton.  
Color code: Bordeaux

#### Cotton Thin-Thick

Color: White	Length/cm
30.751.030.00	30
30.751.035.00	35
30.751.040.00	40
30.751.045.00	45

#### Cotton Thick-Thin

Color: White	Length/cm
30.752.030.00	30
30.752.035.00	35
30.752.040.00	40
30.752.045.00	45

#### Cotton Thin-Thick with Liner Pin Hole

Color: White	Length/cm
30.751.730.10	30
30.751.735.10	35
30.751.740.10	40
30.751.745.10	45

#### Cotton Thick-Thin with Liner Pin Hole

Color: White	Length/cm
30.752.730.10	30
30.752.735.10	35
30.752.740.10	40
30.752.745.10	45

## • Stump Socks Special Line, Miscellaneous

Additional varieties.

Classic, distally closed design or pin liner design (with pin hole) available.

### Varieties:

**Terry Cotton Comfort:** 79% cotton, 21% polyamide, color code: royal blue.  
Soft terry sock.

**Nylon Slim:** 98% polyamide, 2% spandex, color code: black.  
Very stretchy thin nylon sock.



30.4XX.XXX.XX

### Terry Cotton Comfort

Color: White	Color: Skin	Length/cm
	30.401.025.00	25
30.400.030.00	30.401.030.00	30
30.400.035.00	30.401.035.00	35
	30.401.040.00	40

### Nylon Slim

Color: White	Color: Skin	Length/cm
30.410.025.00	30.411.025.00	25
30.410.030.00	30.411.030.00	30
30.410.035.00	30.411.035.00	35
30.410.040.00	30.411.040.00	40
	30.411.045.00	45
	30.411.050.00	50

### Terry Cotton Comfort with Liner Pin Hole

Color: Skin	Length/cm
30.401.725.10	25
30.401.730.10	30
30.401.735.10	35
30.401.740.10	40

### Nylon Slim with Liner Pin Hole

Color: White	Color: Skin	Length/cm
	30.411.725.10	25
30.410.730.10	30.411.730.10	30
30.410.735.10	30.411.735.10	35
	30.411.740.10	40

## • Stump Socks Special Line, Miscellaneous

Additional varieties.

Classic, distally closed design.

### Varieties:

Terry Cotton Soft: 77 % cotton, 21 % polyamide, 2 % spandex  
Very stretchy, thin cotton sock.



30.42X.XXX.XX

Terry Cotton Soft		
Color: White	Color: Skin	Length/cm
	30.421.025.00	25
	30.421.030.00	30
	30.421.035.00	35
	30.421.040.00	40
30.420.045.00	30.421.045.00	45
30.420.050.00	30.421.050.00	50
30.420.060.00	30.421.060.00	60

## ◆ Stump Socks CoolMax®

For AK, BK and knee distarticulated amputees.

CoolMax is a trademarked four-channel fiber. Any perspiration is effectively wicked away from the body to the surface of the textile by the CoolMax fibers. The moisture can then quickly evaporate. Since CoolMax is very elastic, only two different widths are required.

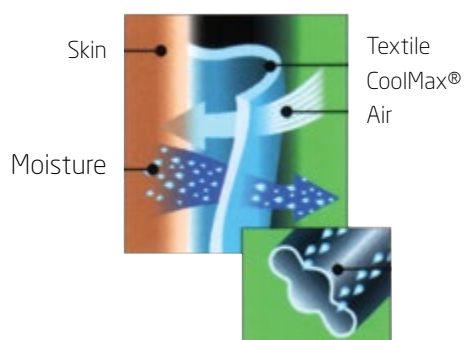
### Varieties:

CoolMax: 95 % Polyester, 5 % Spandex



30.714.0XX.XX

CoolMax			
Standard Width/cm Top/Bottom 15x09	Liner (PIN) Width/cm Top/Bottom 15x09	Knee Disart. Width/cm Top/Bottom 18x13	Length/cm
30.714.025.00			25
30.714.030.00			30
30.714.035.00	30.743.035.00	30.721.035.00	35
		30.721.040.00	40
30.714.045.00	30.743.045.00	30.721.045.00	45
30.714.050.00			50
30.714.060.00			60
30.714.070.00			70



Enlarged representation  
of four-channel fiber.



Application Example

## ◆ Stump Socks LOGO

The “Logo Sock” offers you the option of having your company’s logo knit prominently into the upper edge of the sock.

Unlike when a logo is printed onto a textile, the technique of knitting the logo into the fabric will fully maintain the sock’s elasticity. Feel free to contact us if you are interested, we will be happy to consult with you.

### Cotton Fine, Custom Logo

Color: Skin	Color: White	Color: Black	Length/cm
99.804.025.10	99.803.025.10		25
99.804.030.10	99.803.030.10	99.907.030.10	30
99.804.035.10	99.803.035.10	99.907.035.10	35
99.804.040.10	99.803.040.10	99.907.040.10	40
99.804.045.10	99.803.045.10	99.907.045.10	45
99.804.050.10	99.803.050.10	99.907.050.10	50
99.804.060.10	99.803.060.10		60

### Terry Cotton, Custom Logo

Color: Skin	Color: White	Color: Black	Length/cm
99.900.025.10	99.903.025.10		25
99.900.030.10	99.903.030.10	99.908.030.10	30
99.900.035.10	99.903.035.10	99.908.035.10	35
99.900.040.10	99.903.040.10	99.908.040.10	40
99.900.045.10	99.903.045.10	99.908.045.10	45
99.900.050.10	99.903.050.10	99.908.050.10	50
99.900.060.10	99.903.060.10		60

### Terry Cotton Extra, Custom Logo

Color: Skin	Color: White	Length/cm
99.904.025.10	99.905.025.10	25
99.904.030.10	99.905.030.10	30
99.904.035.10	99.905.035.10	35
99.904.040.10	99.905.040.10	40
99.904.045.10	99.905.045.10	45
99.904.050.10	99.905.050.10	50
99.904.060.10	99.905.060.10	60

### Terry Cotton Ultra, Custom Logo

Color: White	Length/cm
99.906.025.10	25
99.906.030.10	30
99.906.035.10	35
99.906.040.10	40
99.906.045.10	45
99.906.050.10	50
99.906.060.10	60



Application Example

## • Stump Socks LOGO, Liner Version

### Cotton Fine with Liner Pin Hole, Custom Logo

Color: Skin	Color: White	Color: Black	Length/cm
99.804.725.10	99.803.725.10		25
99.804.730.10	99.803.730.10	99.907.730.10	30
99.804.735.10	99.803.735.10	99.907.735.10	35
99.804.740.10	99.803.740.10	99.907.740.10	40
99.804.745.10	99.803.745.10	99.907.745.10	45
99.804.750.10	99.803.750.10	99.907.750.10	50
99.804.760.10	99.803.760.10		60

### Terry Cotton with Liner Pin Hole, Custom Logo

Color: Skin	Color: White	Color: Black	Length/cm
99.900.725.10	99.903.725.10		25
99.900.730.10	99.903.730.10	99.908.730.10	30
99.900.735.10	99.903.735.10	99.908.735.10	35
99.900.740.10	99.903.740.10	99.908.740.10	40
99.900.745.10	99.903.745.10	99.908.745.10	45
99.900.750.10	99.903.750.10	99.908.750.10	50
99.900.760.10	99.903.760.10		60

### Terry Cotton Extra with Liner Pin Hole, Custom Logo

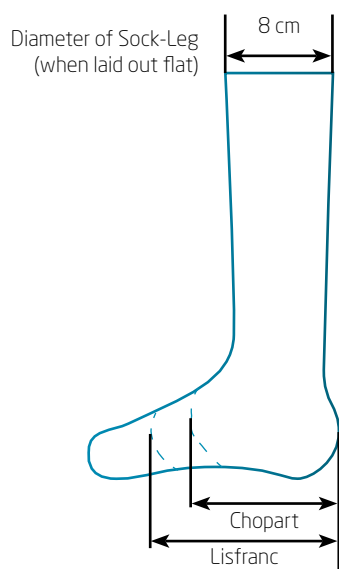
Color: Skin	Color: White	Length/cm
99.904.725.10	99.905.725.10	25
99.904.730.10	99.905.730.10	30
99.904.735.10	99.905.735.10	35
99.904.740.10	99.905.740.10	40
99.904.745.10	99.905.745.10	45
99.904.750.10	99.905.750.10	50
99.904.760.10	99.905.760.10	60

### Terry Cotton Ultra with Liner Pin Hole, Custom Logo

Color: White	Length/cm
99.906.725.10	25
99.906.730.10	30
99.906.735.10	35
99.906.740.10	40
99.906.745.10	45
99.906.750.10	50
99.906.760.10	60



30.XXX.XXX.XX



## ◆ Chopart and Lisfranc Socks

### • Chopart and Lisfranc Socks, Off-White

With knit-on foot with heel, length of sock leg: 38 cm, diameter of leg (when laid out flat): 8 cm. 70% new wool, 30% viscose.

Chopart	
REF	Foot Length/cm
30.199.110.00	11
30.199.130.00	13
30.199.145.00	14.5
30.199.150.00	15
30.199.160.00	16

Lisfranc	
REF	Foot Length/cm
30.203.170.00	17
30.203.180.00	18
30.203.190.00	19
30.203.200.00	20
30.203.210.00	21
30.203.220.00	22
30.203.230.00	23
30.203.240.00	24

### • Socks, Off-White

#### Matching the Chopart and Lisfranc Socks Above

REF	Shoe Size/(Size)	Length/cm
30.614.010.00	38-40/(10)	25
30.614.011.00	41-43/(11)	29
30.614.012.00	44-45/(12)	31

Chopart (REF 39.981.999.30) and Lisfranc socks (REF 39.981.999.40) are also available as custom-made items. See custom order forms, p. 331. Minimum purchase is 5 units per size.



30.61X.XXX.XX

### • Chopart and Lisfranc Socks, Mottled Gray

With knit-on foot with heel, length of sock leg: 38 cm, diameter of leg (when laid out flat): 8 cm. 90% new wool, 10% polyamide.

Chopart	
REF	Foot Length/cm
30.611.110.00	11
30.611.130.00	13
30.611.145.00	14,5
30.611.150.00	15
30.611.160.00	16

Lisfranc	
REF	Foot Length/cm
30.612.170.00	17
30.612.180.00	18
30.612.190.00	19
30.612.200.00	20
30.612.210.00	21
30.612.220.00	22
30.612.230.00	23
30.612.240.00	24

### • Socks, Mottled Gray

Matching the Chopart and Lisfranc Socks Above		
REF	Shoe Size/(Size)	Length/cm
30.613.010.00	38-40/(10)	25
30.613.011.00	41-43/(11)	29
30.613.012.00	44-45/(12)	31

Chopart (REF 39.981.999.30) and Lisfranc socks (REF 39.981.999.40) are also available as custom-made items. See custom order forms, p. 331. Minimum purchase is 5 units per size.

Information on product care and cleaning (washability) can be found on page 330.



30.78X.XXX.XX

### ◆ Forefoot Socks

Soft forefoot socks in six different forefoot lengths. The special knit fabric guarantees a high level of wearing comfort without any pressure. 77% cotton, 23% polyamide, height: 25 cm. Packing unit: 1 pair.

REF	Foot Length/cm	Color
30.780.010.00	10.0-11.5	Anthracite
30.780.011.00	11.5-13.5	Anthracite
30.780.013.00	13.5-15.0	Anthracite
30.780.015.00	15.0-17.0	Anthracite
30.780.017.00	17.0-19.5	Anthracite
30.780.019.00	19.5-22.5	Anthracite
30.781.010.00	10.0-11.5	Beige
30.781.011.00	11.5-13.5	Beige
30.781.013.00	13.5-15.0	Beige
30.781.015.00	15.0-17.0	Beige
30.781.017.00	17.0-19.5	Beige
30.781.019.00	19.5-22.5	Beige
30.782.010.00	10.0-11.5	Black
30.782.011.00	11.5-13.5	Black
30.782.013.00	13.5-15.0	Black
30.782.015.00	15.0-17.0	Black
30.782.017.00	17.0-19.5	Black
30.782.019.00	19.5-22.5	Black

## • Socks

Identical in quality and color, these socks are a perfect addition to the forefoot socks. Packing unit: 1 pair.



30.77X.XXX.XX

### Matching the Forefoot Socks, REF 30.78X.XXX.XX

REF	Shoe Size	Color
30.774.036.00	36/38	Grey
30.774.039.00	39/41	Grey
30.774.042.00	42/44	Grey
30.774.045.00	45/47	Grey
30.771.036.00	36/38	Beige
30.771.039.00	39/41	Beige
30.771.042.00	42/44	Beige
30.771.045.00	45/47	Beige
30.772.036.00	36/38	Black
30.772.039.00	39/41	Black
30.772.042.00	42/44	Black
30.772.045.00	45/47	Black

◆ Overview Product Care/Cleaning (Washability)

Teufel Nylon Sheaths



Hand wash only.



Do not bleach.



Do not tumble dry.



Do not iron.



Do not dry-clean.

Classic Stump Socks Made From 70% New Wool and 30% Viscose  
Classic Stretch  
Coolmax  
Chopart, Lisfranc and Forefoot Socks



Wash at 30°C.



Do not bleach.



Do not tumble dry.



Do not iron.



Dry clean.

Basic Line, Special Line and Cotton LOGO



Wash at 40°C.



Do not bleach.



Do not tumble dry.



Do not iron.



Do not dry-clean.

## ◆ Custom Chopart Socks

**+49 (0) 7161 15684 - 333**

Company Stamp:

Company Name: \_\_\_\_\_

Customer No.: \_\_\_\_\_

User Name: \_\_\_\_\_

Contact: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

**(Check Applicable Box)****REF 39.981.999.30**

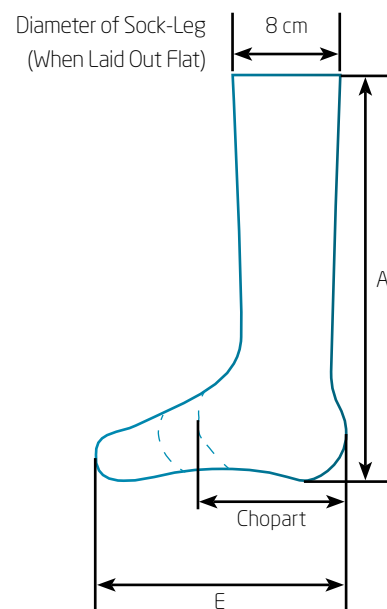
Custom Chopart Sock

**Variety:**☐**Off-White**

70 % New Wool, 30 % Viscose

☐**Mottled Gray**

90 % New Wool, 10 % Polyamide

**Quantity:** \_\_\_\_\_ (Minimum Purchase: 5 Pieces)**Measurements:**    in cm**A:** Length of Sock Leg \_\_\_\_\_**E:** Foot Length \_\_\_\_\_**Further Specifications/Comments:**

## ◆ Custom Lisfranc Socks

**+49 (0) 7161 15684 - 333**

Company Stamp:

Company Name: \_\_\_\_\_

Customer No.: \_\_\_\_\_

User Name: \_\_\_\_\_

Contact: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

**(Check Applicable Box)****REF 39.981.999.40**

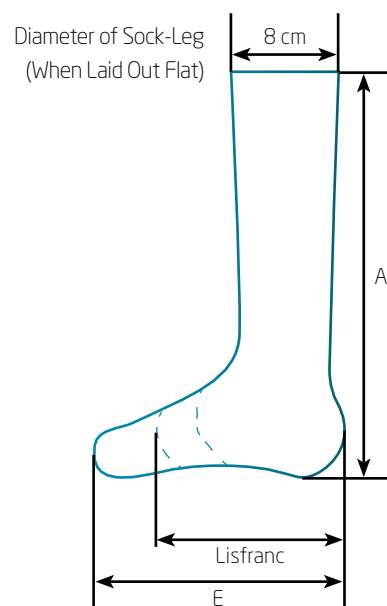
Custom Lisfranc Sock

**Variety:**☐**Off-White**

70 % New Wool, 30 % Viscose

☐**Mottled Gray**

90 % New Wool, 10 % Polyamide

**Quantity:** \_\_\_\_\_ (Minimum Purchase: 5 Pieces)**Measurements:**    **in cm****A:** Length of Sock Leg \_\_\_\_\_**E:** Foot Length \_\_\_\_\_**Further Specifications/Comments:**

## ◆ Declaration of Conformity

We, the Wilhelm Julius Teufel GmbH, declare with sole responsibility that the medical devices which are produced by us and/or sold by us and are listed in this catalog meet the requirements of the MDR 2017/745, which are applicable according to MDR 2017/745 Annex VIII, Rule 1, and that they are Class 1 Medical Devices.

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### • Compatibility of Modular Prosthetic Components

When using components by the corporations and brands WillowWood, OrthoEurope, KnieAgil, Proteor, TehLin and Teufel to fabricate a prosthetic limb, the following aspects have to be considered:

General Provisions:

- Use components only according to their intended purpose (see user manual).
- If components with different weight limits are combined, the weight limit of the weakest component applies to the whole prosthesis.
- If components for different activity levels are combined, the activity level of the component with the lowest activity level applies to the whole prosthesis.
- Using individual, certified components with the CE-marking does not release technicians from their duty to check component combinations within their means for fitness of purpose, proper assembly and safety.
- Should there be evidence that a certain combination of components is not as safe as required, the components must not be combined.
- The prosthesis has to be configured according to the recognized technical rules of the trade.
- If a change in performance is detected, the device has to be checked immediately.
- Before the prosthesis is handed over to the user, all modular components with a screw connection have to be secured against accidental loosening or twisting with suitable thread-locking fluid.
- If the device has been subject to disproportionately strong forces (e.g. due to a fall), it must be checked for possible damages by an orthopedic technician.
- Safety related regulations for individual components (e.g. specific combination possibilities, maintenance cycles etc. ) must be followed.
- If different components (from one or from several manufacturers) are combined: Only use components which meet the requirements of DIN EN ISO 10328 and MDR 2017/745.

Special Provisions:

- When using 4-hole adapters on the proximal surface of a suitable knee joint, or on the distal connection surface of the LimbLogic System, only adapters with a plane contact surface (no seat ring!) must be used.

Liability:

In the event of damage to a prosthesis every manufacturer can only be held liable for the failure of those components produced by them. Beyond that, manufacturers can only be held liable if their components can be proven to have caused damage to or failure of components which were produced by other manufacturers.

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## ◆ Warranty Overview

Generally, the warranty period is 12 months. Differing warranty periods can be found in the table below. Periods of limitation and defect claims are listed in the current edition of the Teufel Terms and Conditions. As a rule, the period of limitations begins upon purchase if a purchase has been arranged.

Product Group	Limitation of Claim
Alpha BK Liners	6 Months
Alpha AK Liners	6 Months
Alpha DESIGN® Liners	6 Months
Alpha Upper Extremity Liners	6 Months
Alpha Pediatric Liners	6 Months
Alpha® Gel Cups	1 Month
Alpha® Volume Management Pads	1 Month
Alpha® Socket Pads	1 Month
SwiftWick Liner Socks	6 Months
Alpha® Sleeve	3 Months
Alpha® AK Sleeve	3 Months
One System, 4 Maintenance Cycles Included	24 Months
LimbLogic® System	12 Months
LimbLogic® System, 4 Maintenance Cycles Included	24 Months
LimbLogic® System, Bilateral	12 Months
LimbLogic® System, Bilateral, 4 Maintenance Cycles Included	24 Months
MakStride Foot	24 Months
MakStride Foot Cosmesis	9 Months
KnieAgil® Knee Joints	24 Months
Stump Socks	6 Months

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Wilhelm Julius Teufel GmbH  
Robert-Bosch-Straße 15  
73117 Wangen  
Deutschland/Germany  
Phone: +49 (0)7161 15684-0  
Fax: +49 (0)7161 15684-333  
[www.teufel-international.com](http://www.teufel-international.com)

