# **Prosthetics 2024/25**

Founded in 1862 **Range of Activities** Accessories Knee Joints **META Family Modular Adapters Intuy Knee** Emotionality Below Knee Range **Orthopedic Competence Outside Sales** Vacuum Systems Above Knee















#### **Dear Business Partners,**

Two years ago, we celebrated our 160th company anniversary at OT-World in Leipzig. In May 2024, the trade fair will open its doors again, to which I would like to extend a warm invitation to you now. A lot has happened in these two years – worldwide, in Europe, in Germany and also in our company.

I would like to invite you to take a brief look at some of the topics that are of great relevance to us.

**Our product diversity:** Prosthetics, Orthotics, Materials and Service Production. Four areas, one claim: The highest quality for your fittings.

**Our training courses:** Our seminars stand for a high practical content and concrete fitting tips with our products. Take a look into our seminar program.

**Our production:** "Made in Baden-Württemberg" stands for a large number of products that are manufactured directly at our headquarters in Wangen near Göppingen or at our regional partners.

**Our ability to deliver:** Investments in warehousing and lean processes ensure a particularly high and reliable delivery capability, to cover your requirements. This is how we supply you, our sales facilities in Poland, Austria and Switzerland and our international customers.

We will continue to work as a team and as a family business, we will continue to be there for you. Your trust is our incentive, every day. Stay with us.

Sincerely,



Ralf Link, CEO Wilhelm Julius Teufel GmbH









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EDI: We will be happy to add you to our EDI customers!

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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**





#### Overview 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.

Compatibility of the Alpha Liners: All Liners with identical profile are compatible with each other!		Alpha Start-Liner (for the interim phase)	Alpha Hybrid®-Liner	Alpha Silicone®-Liner	
		The state of the s	S3 cm (± 1.5cm)	53 cm (± 1.5cm) — 53 cm (± 1.5cm)	
Page		12	14	20	
REF	REF		WW.H35X-X3XX	WW.S35X-659X-X	
Material**	Material**		Hybrid-Gel	Silicone	
Fabric Type***		Select	Select	Select	
Circumference	Distal		14 - 55 cm	14 - 45 cm	
Circumcrence	Proximal	33 - 80 cm	19 - 90 cm	19 -90 cm	
Profile	Progressive	<b>8</b>	<b>x</b>	•	
	Uniform		×		
Umbrella	Accordion	×	×	•	
Standard			×		
Recommended Activity Level		1 to 4	1 to 4	1 to 4	

#### \*\*Legend Material:

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

TPE Gel: High flowability, compensates for temperature fluctuations, noticeably reduced perspiration.

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

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

Silicone with PCM: Absorbs temperature fluctuations, noticeably reduces perspiration.

#### 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. This diagram will help you select the desired liner version.

Alpha SmartTemp® Gel-Liner	Alpha SmartTemp® Silicone-Liner	Alpha DUO®-AK/BK-Liner	Alpha Original/ MP-Liner	Alpha DESIGN® Liner
#Theorities and the second sec	47/Moset (bod 17/Moset (bod 17/Moset (bod 17/Moset (bod 17/Moset (bod 17/Moset (bod 17/Moset (bod	A6 cm (± 1.5cm)  MM-ONE-SOCK-XX	46 cm (± 1.5cm)  "Adhard Food Chasses  "Adhard Food Chasses  "This all PHY CLASSES	48 cm (± 2.5cm)  Whiteher (Bood  Whiteher (Bood  Whiteher (Bood  Whiteher (Bood
22	26	30	32	60
WW.P35X-XXXX	WW.T35X-XXXX(-X)	WW.D990-194X	WW.ALX-506X-E	
Classic Gel mit PCM	Silicone with PCM	Inside: Classic-Gel Outside: Silicone	Classic-Gel	Classic/Hybrid-Gel; Soft Silicone
Select	Select	No Fabric Cover	Original	Select, Original, Spirit, Max
14 - 55 cm	14 - 45 cm	15 - 45 cm	15 - 45 cm	14 - 60 cm
19 - 90 cm	19 - 90 cm	21 - 90 cm	20 - 65 cm	19 - 90 cm
•	•			8
•	•	OneSystem Symmetrical	•	8
•	•			8
•	•		•	8
1 to 4	1 to 4	1 to 4	1 to 3	1 to 4

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

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.

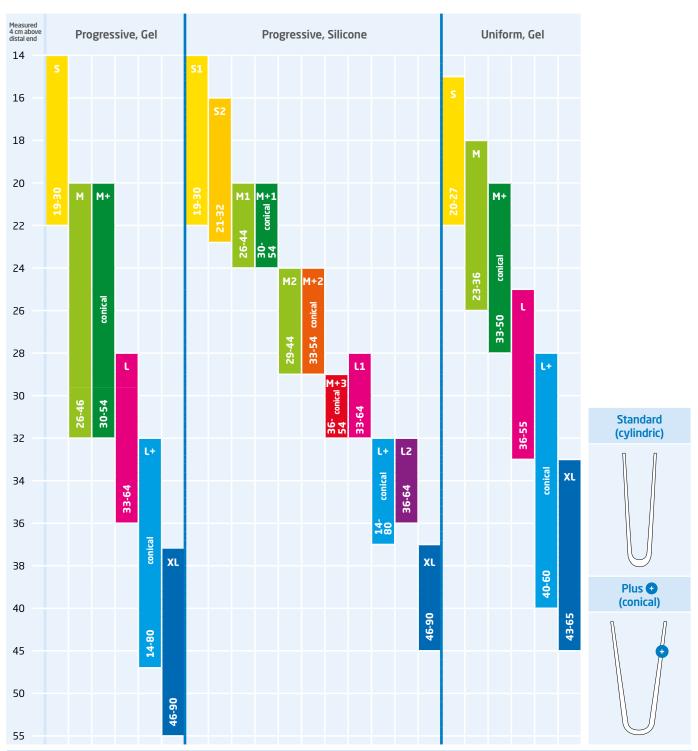
MAX: Terry cloth textile, very suitable for suction systems.

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

#### • Sizing Guide BK Liners

This overview allows you to compare the sizes of Alpha Liners. Based on the distal circumference (measured 4 cm above the distal end) you can see which Alpha size matches this measurement. The other values which are additionally given for each size indicate the circumference measured 30 cm above the distal end. The indication "conical" and the attached plus sign for individual sizes show that these sizes are especially suitable for strongly conical residual limbs with a significantly larger proximal circumference.

Upon request, select liners can be borrowed as test liners, if you are unsure which size to choose.



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.

#### • Profiles BK Liners

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.

Compatibility: All Alpha Liners with the same profile are compatible with each other, without changes on the socket.

#### **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**

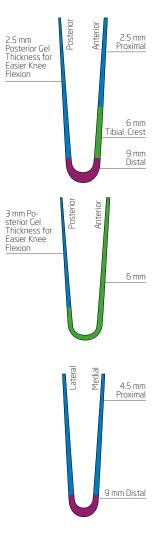
The classical Uniform profile. Posterior gel thickness is always 3 mm for easier knee flexion.

Liners with Uniform profile come with Standard umbrella.

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

## **OneSystem Symmetrical Profil**

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



#### Locking Suspension

Locking liners feature a distal 10 mm threaded hole for a pin connection. "Umbrella" indicates the distal pin connection. Cushion liners are used for suction suspension.

#### **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 pinconnection 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 vacuum suspension. An additional proximal seal (sleeve or gel sleeve) is required.



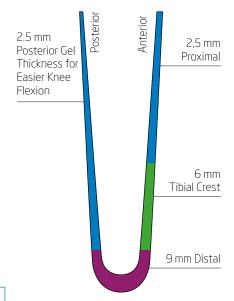
Material	Silicone
Fabric Type	Select*
Color	Orange/White
Suspension Style	Available in locking and cushion style
Profile/Umbrella	Progressive/Accordion
Compatibility	See overview on page 8
Total Length	53 cm (+/- 1.5 cm)

#### Alpha Start Liner

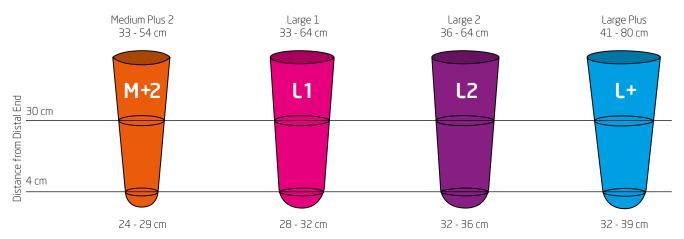
Alpha Start Liners are perfectly suited for the interim phase. They are very comfortable and skin-friendly, and are compatible with all other Progressive Profile liners from WillowWood. The platinum-cured silicone formula combines a high level of elasticity and ideal cushioning with continuous protection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

#### **Progressive Profile**



## **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 8
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.

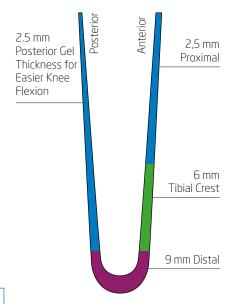
In addition, a flexible, white, bi-stretch fabric panel was added in the anterior knee-area for a noticeable reduction of pressure on the patella while the user is seated. This is accomplished by decreasing friction during flexion and extension.

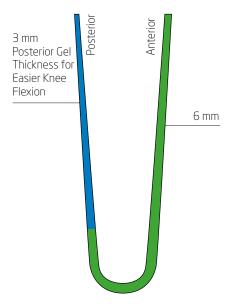
# Technician's Tip:

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

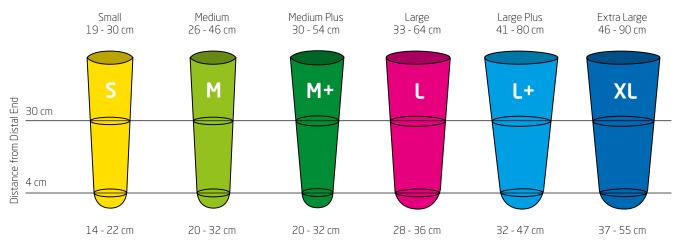
If the limb is very short, or if maximum elasticity of the distal area is required, we recommend the low-panel version of the Alpha Hybrid Liner (see p.18).

#### **Progressive Profile**

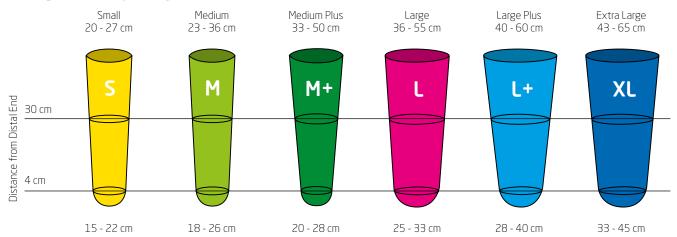




## Sizing Guide: Alpha Hybrid® Liner, Progressive



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



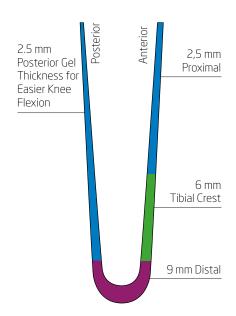
## Size Chart: Alpha Hybrid® Liner, Progressive Profile, Locking

REF Locking-Liner	Profile	Fabric Type	Gel Thick- ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.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

## Size Chart: Alpha Hybrid® 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.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

# **Progressive Profile**

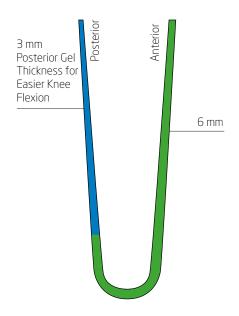


## Size Chart: Alpha Hybrid® Liner, Uniform Profile, Locking

REF Locking-Liner	Profile	Fabric Type	Gel Thick- ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.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 Thick- ness/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





Material	Hybrid Gel
Fabric Type	Select*
Color	Gray/White
Suspension Style	Available as cushion liner
Profile	Progressive
Compatibility	See overview on page 8
Total Length	53 cm (+/- 1.5 cm)

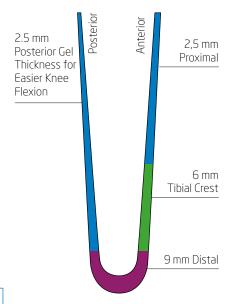
#### **◆** Alpha Hybrid<sup>®</sup> Liner Low Panel

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

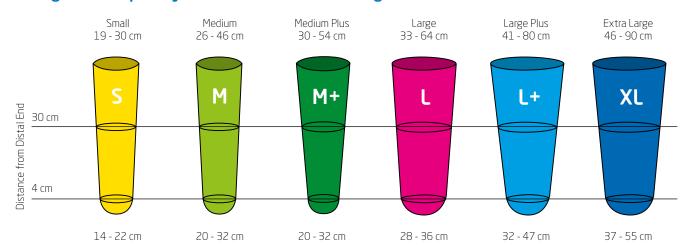
The Alpha Hybrid Liner is very suitable for users with a shorter residual limb. On this special type of Alpha Hybrid Liners, the panel of white bi-stretch-fabric reaches all the way down to 6 cm above the distal end of the liner, on regular Alpha Hybrid Liners the bi-stretch fabric ends about 9 cm above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

## **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 Thick- ness/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



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 8
Total Length	53 cm (+/- 1.5 cm)

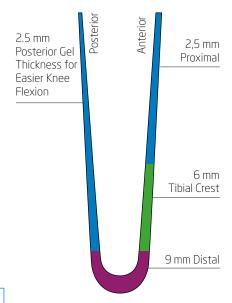
#### **◆** Alpha Silicone<sup>®</sup> Liner

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

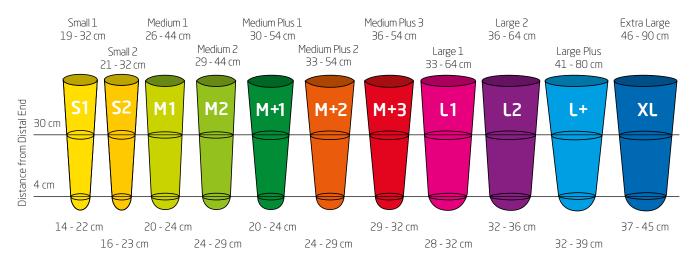
They offer the high level of comfort characteristic of all Alpha Liners to those very active users who wish to use a silicone liner. The structure of the platinum-cured silicone formula combines high elasticity and optimum cushioning properties with continuous protection from impact forces.

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**



## Sizing Guide: Alpha Silicone® Liner



#### Size Chart: Alpha Silicone® 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.S352-6593-1	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 Thick- ness/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



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 8
Total Length	53 cm (+/- 1.5 cm)

#### ◆ Alpha SmartTemp® Gel Liner

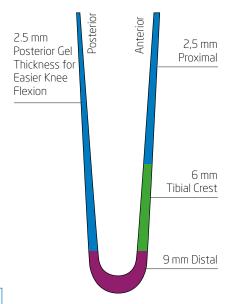
Alpha SmartTemp Gel Liners combine the exceptional wearing properties of the new Alpha TPE Gel with temperature regulating material. SmartTemp TPE Gel Liners absorb temperature changes of the limb and thus help regulating the user's overall body temperature. The liners' shore hardness lies between that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

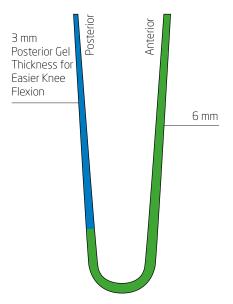
Once the temperature on the limb rises above comfort level, heat gets absorbed, is stored, and gets released once the temperature drops below comfort level. The limb is also protected from becoming too cold, since previously stored heat is released to the surface to create a comfortable skin temperature.

This way, perspiration in the liner gets reduced significantly.

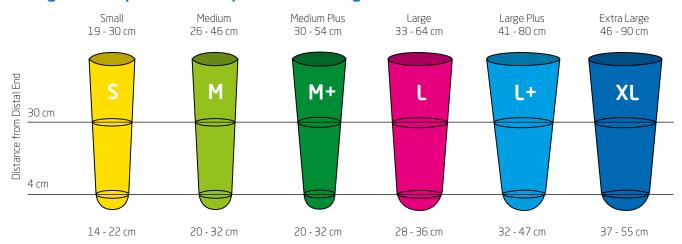
The BK version of the liner features a Select Fabric cover. The integrated knee panel noticeably reduces pressure on the patella and makes knee flexion easier. Alpha SmartTemp Gel Liners are available with the Uniform and the Progressive Profile, both in locking and cushion style.

#### **Progressive Profile**

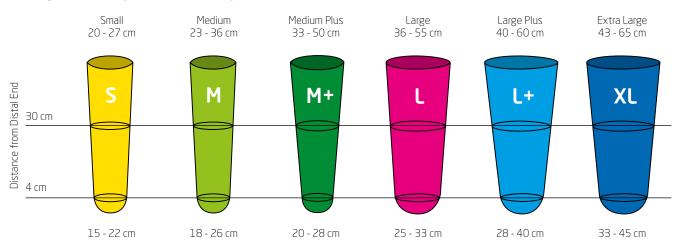




## Sizing Guide: Alpha SmartTemp® Gel Liner, Progressive



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



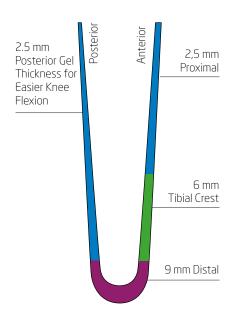
## Size Chart: Alpha SmartTemp® Gel Liner, Progressive Profile, Locking

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

## Size Chart: Alpha SmartTemp® 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
WW.P350-6593	Progressive	Select	9 - 2.5	Small	14 - 22	19 - 30
WW.P350-6590	Progressive	Select	9 - 2.5	Medium	20 - 32	26 - 46
WW.P350-6594	Progressive	Select	9 - 2.5	Medium Plus	20 - 32	30 - 54
WW.P350-6596	Progressive	Select	9 - 2.5	Large	28 - 36	33 - 64
WW.P350-6598	Progressive	Select	9 - 2.5	Large Plus	32 - 47	41 - 80
WW.P350-6597	Progressive	Select	9 - 2.5	Extra Large	37 - 55	46 - 90

## **Progressive Profile**

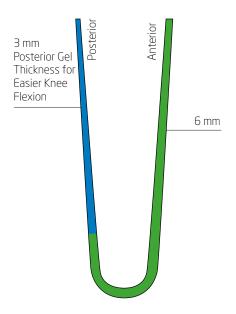


## Size Chart: Alpha SmartTemp® Gel Liner, Uniform Profile, Locking

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® 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





Material	Silicone 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 8
Total Length	53 cm (+/- 1.5 cm)

#### ◆ Alpha SmartTemp® Silicone-Liner

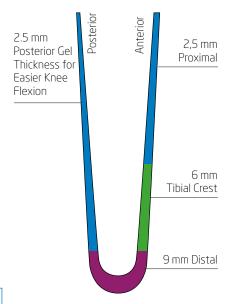
The Alpha SmartTemp Silicone-Liner represents an innovation in liner development. Since a special, temperature regulating material based on PCM (Phase-Change-Material) Technology has been added, the liner regulates heat and compensates for fluctuations in the user's skin temperature.

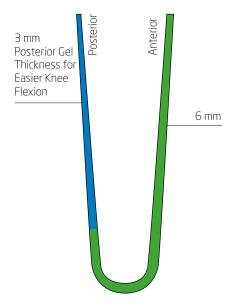
The liner absorbs heat before the temperature rises above the comfort zone, and releases it again before the temperature drops too low. The limb is also protected from becoming too cold, since previously stored heat is released to the surface to create a comfortable skin temperature.

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

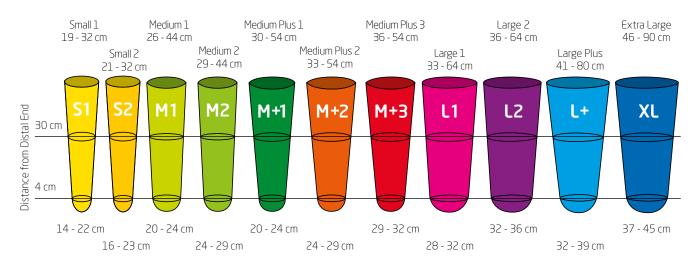
In addition, a flexible, white, bi-stretch fabric panel was added in the anterior knee-area for a noticeable reduction of pressure on the patella while the user is seated. This is accomplished by decreasing friction during flexion and extension.

#### **Progressive Profile**

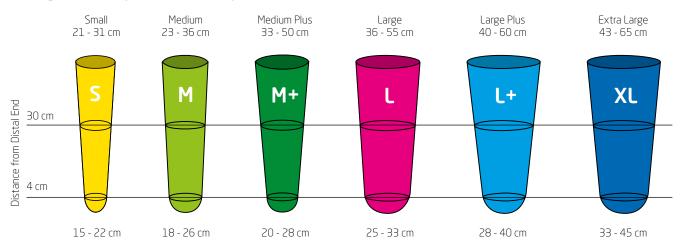




## Sizing Guide: Alpha SmartTemp® Silicone-Liner, Progressive Profile



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



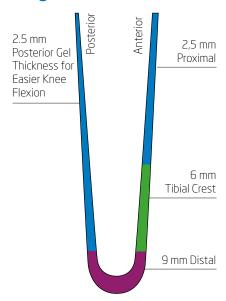
## Size Chart: Alpha SmartTemp® Silicone-Liner, Progressive Profile, Locking

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® Silicone-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

## **Progressive Profile**

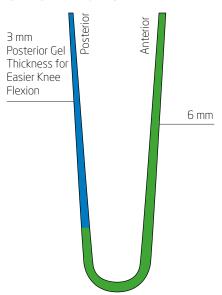


## Size Chart: Alpha SmartTemp® Silicone-Liner, Uniform Profile, Locking

REF Locking Liner	Profile	Fabric Type	Gel Thick- ness/mm	Size	Circumference (4 cm) Distal/cm	Circumference (30 cm) Proximal/cm
WW.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® Silicone-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.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





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)

#### ◆ Alpha DUO® AK/BK-Liner

DUO AK/BK Liners are the matching liners for the One System BK vacuum system (p. 106). 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 AK/BK 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 OneSystem Sock is included 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.

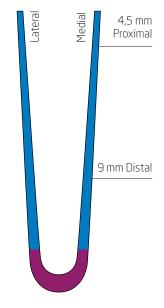
# A OneSystem Silicone Sock is included with every Alpha DUO AK/BK-Liner (see page 31 for sizes).

Another required component is the MV-Flex Seal (see page 72).

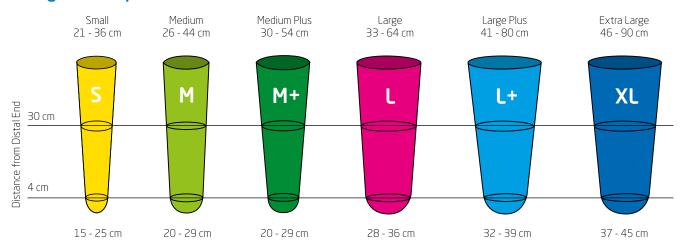
It is necessary to attend a seminar to get certified to offer the OneSystem BK to your customers.

The next available seminar dates can be found at www.wjt-ortho.com.

#### **OneSystem Symmetrical Profile**



## Sizing Guide: Alpha DUO® AK/BK-Liner



## Size Chart: Alpha DUO® AK/BK-Liner

REF Cushionliner	Profile	Fabric Type	Gel Thick- ness/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	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						
<b>Optional Accessories</b>							
WW.ONE-SOCK-SM	OneSystem Gel Sock S						
WW.ONE-SOCK-MD	OneSystem Gel Sock M						
WW.ONE-SOCK-MP	OneSystem Gel Sock M+	OneSystem Gel Sock M+					
WW.ONE-SOCK-LG	OneSystem Gel Sock L	OneSystem Gel Sock L					
WW.ONE-SOCK-LP	OneSystem Gel Sock L+						
WW.ONE-SOCK-XL	OneSystem Gel Sock XL						

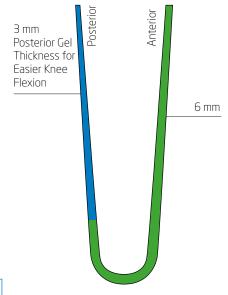


Material	Classic Gel
Fabric Type	Original*
Color	Green/Gray
Suspension Style	Available in locking and cushion style
Profile/Umbrella	Uniform/Standard
Compatibility	See overview on page 8
Total Length	46 cm (+/- 1.5 cm)

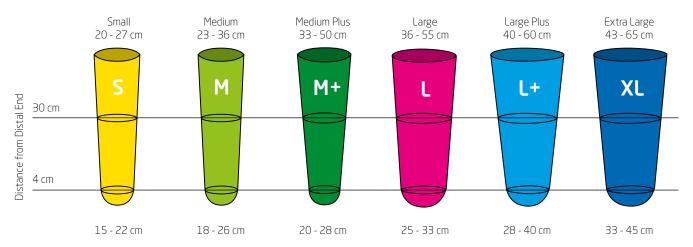
## **◆** Alpha Original MP Liner

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

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



## **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



Material	Classic Gel
Fabric Type	Original*
Color	Green/Gray
Suspension Style	Available in locking and cushion style
Profile/Umbrella	Uniform/Standard
Profile/Umbrella	Contoured/Standard Tapered/Standard
Compatibility	See overview on page 8
Total Length	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. In addtion to the Uniform profile, liners in sizes medium, medium plus and large are also available with the Contoured and Tapered profiles with different gel thicknesses. You can find the addtional profiles on 292.

## Technician's Tip:

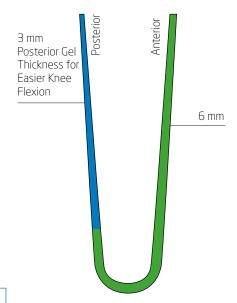
6-mm-Liner: Perfectly combines cushioning with

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.

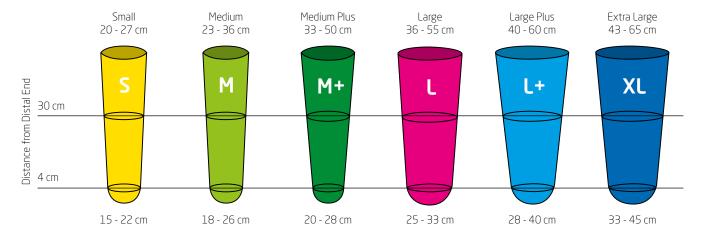
9-mm-Liner: Maximum cushioning properties.



## **Ordering Guidelines: Alpha Original Liner**

	WW.ALC-5066-E	Ordering Example for Alpha Original Liner
Model	ALC	ALC = Alpha Cushion Liner ALL = Alpha Locking Liner
Profile	5	5 = Uniform 7 = Tapered (for Sizes Medium, Medium Plus and Large Only) 9 = Contoured (for Sizes Medium, Medium Plus and Large Only)
Fabric Type	0	0 = Original Fabric Cover: Green/Gray
Gel Thickness	6	3 = 3 mm (for Uniform or Tapered Liner Profiles Only) 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 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

#### Information on Color Denotation:

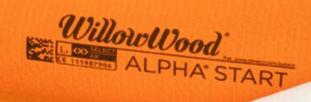
Available upon advance order, not in regular stock.

#### 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

### **AK Liners**





Willow Wood SILICONE ALPHA SILICONE

Willow Dood HYBRID

#### Overview AK 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.

	rs: vith identical compatible	Alpha Start TF-Liner			
Page		44			
REF		WW.S442-1T9X-1			
Material**		Silicone			
Fabric Type	<del>5</del> ***	Select			
Circumfe-	distal	28 - 45 cm			
rence	proximal	33 - 90 cm			
Profile	Symmetrical	•			
rioille	OneSystem Symmetrical				
Umbrella	Accordion	•			
Ollipiciid	Standard				
Recommen Level	ded Activity	1 to 4			

Alpha Hybrid® AK-Liner	Alpha Silicone® AK Liner			
53 cm (±1,5cm) ——	53 cm (±1,5cm) ——			
46	48			
WW.H44X-149X	WW.S44X-169X-X			
Hybrid-Gel	Silicone			
Select	Select			
20 - 55 cm	20 - 45 cm			
34 - 90 cm	30 - 90 cm			
×.	•			
<b>8</b>	•			
1 to 4	1 to 4			

Alpha SmartTemp® Gel AK-Liner	
 Competition (CEL, SUIII)	
50	
WW.P44X-169X	
TPE-Gel with PCM	
Select	
20 - 55 cm	
34 - 90 cm	
•	
•	
1 to 4	

#### \*\*Legend Material:

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

TPE Gel: High flowability, compensates for temperature fluctuations, noticeably reduced perspiration.

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

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

Silicone with PCM: Absorbs temperature fluctuations, noticeably reduces perspiration.

#### 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. This diagram on the following pages will help you select the desired liner version.

Alpha SmartTemp® Silicone TF-Liner	Alpha TruSeal TF-Liner (conical)	Alpha TruSeal TF-Liner (cylindric)	Alpha Duo® TT/TF-Liner	Alpha DESIGN® Liner
53 cm (±1,5cm) ——		46 cm (±1,5cm) ——	MW.ONE-SOCK-XX	— 46 cm (±1,5cm) —
52	54	54	56	60
WW.T44X-169X-X	WW.S494-11XX	WW.S459-11XX	WW.D990-194X	
Silicone with PCM	Silicone	Silicone	Inside: Classic-Gel Outside: Silicone	Classic/Hybrid-Gel; Soft Silicone
Select	No Fabric Cover	No Fabric Cover	No Fabric Cover	Select, Original, Spirit, Max
20 - 45 cm	25 - 47 cm	32 - 51 cm	15 - 45 cm	14 - 60 cm
30 - 90 cm	37 - 85 cm	39 - 74 cm	21 - 90 cm	19 - 90 cm
•	(with sealing fins)	(with sealing fins)		8
			•	<b>S</b>
•				8
				×
1 to 4	1 to 4	1 to 4	1 to 4	1 to 4

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

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.

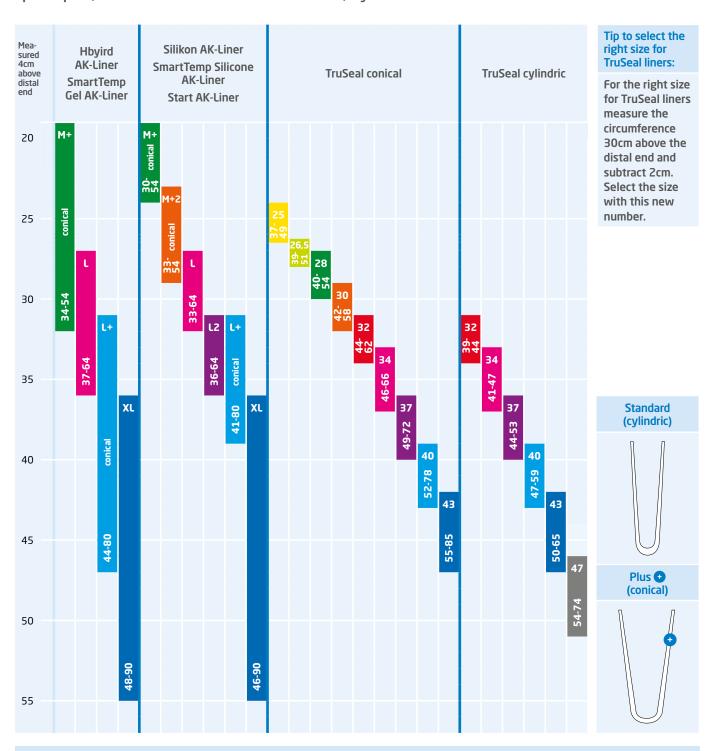
MAX: Terry cloth textile, very suitable for suction systems.

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

#### • Sizing Guide AK Liners

This overview allows you to compare the sizes of Alpha Liners. Based on the distal circumference (measured 4 cm above the distal end) you can see which Alpha size matches this measurement. The other values which are additionally given for each size indicate the circumference measured 30 cm above the distal end. The indication "conical" and the attached plus sign for individual sizes show that these sizes are especially suitable for strongly conical residual limbs with a significantly larger proximal circumference.

Upon request, select liners can be borrowed as test liners, if you are unsure which size to choose.



#### 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.

#### Profiles AK Liners

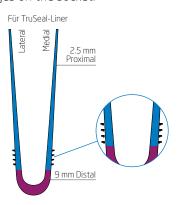
The term "profile" refers to the inside shape of the liner (i.e. the material thickness of the liner in different areas). The profile overview describes the different profiles in detail and lists recommendations for use.

Compatibility: All Alpha Liners with the same profile are compatible with each other, without changes on the socket.

#### **Symmetrical Profile**

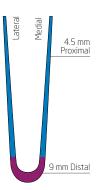
This is the Hybrid Gel liner profile. The wall thickness of this profile tapers down to an especially thin 2.5 mm. Distal gel cushioning is 9 mm. The TruSeal-Liner has additional distal sealing fins.





#### **OneSystem Symmetrical Profile (Duo-Liner)**

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



#### Suspension

Locking liners feature a distal 10 mm threaded hole for a pin connection. "Umbrella" indicates the distal pin connection. Cushion liners and liners with sealing fins are used for suction suspension.

#### **Locking Suspension**

Standard Umbrella









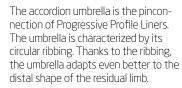


#### **Accordion Umbrella**









#### **Cushion Suspension**



Cushion liner versions make it possible to use liners both for vacuum suspension. An additional proximal seal (sleeve or gel sleeve) is required.

#### **TruSeal Selaing Fins**



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



WW.S442-1T9X-X

Material	Silicone
Fabric Type	Select*
Color	Orange
Suspension Style	Available in locking style
Profile/Umbrella	Symmetrical/Accordion
Compatibility	See overview on page 40
Total Length	53 cm (+/- 1.5 cm)

#### **◆** Alpha Start AK Liner

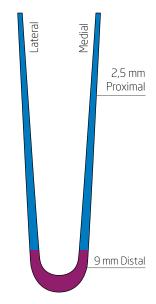
Alpha Start AK Liners are perfectly suited for the interim phase. They are very comfortable and skin-friendly, and are compatible with all other WillowWood liners with an Symmetrical Profile.

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

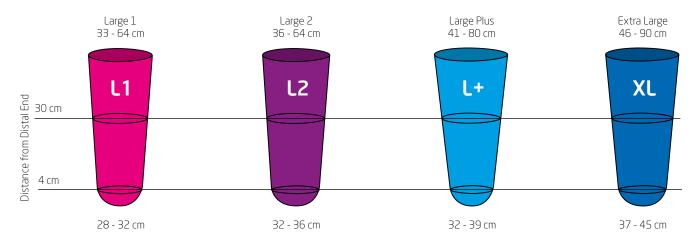
#### Technician's Tip:

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.

#### **Symmetrical Profile**



#### Sizing Guide: Alpha Start AK Liner



#### Size Chart: Alpha Start AK Liner, Locking

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	Symmetrical	Select	9 - 2.5	Large 1	28 - 32	33 - 64
WW.S442-1T96-2	Symmetrical	Select	9 - 2.5	Large 2	32 - 36	36 - 64
WW.S442-1T98-1	Symmetrical	Select	9 - 2.5	Large Plus	32 - 39	41 - 80
WW.S442-1T97-1	Symmetrical	Select	9 - 2.5	Extra Large	37 - 45	46 - 90



Material	Hybrid Gel
Fabric Type	Select*
Color	Dark Gray
Suspension Style	Available in locking and cushion style
Profile/Umbrella	Symmetrical/Accordion
Compatibility	See overview on page 40
Total Length	53 cm (+/- 1.5 cm)

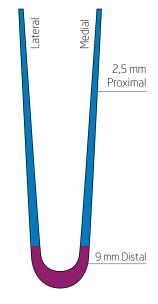
#### ◆ Alpha Hybrid® AK Liner

The Alpha Hybrid AK 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 Hybrid AK Liners are also perfectly suited for transfemoral amputees who are used to the high, long-lasting resilience of silicone, but also have high standards concerning comfort and cushioning.

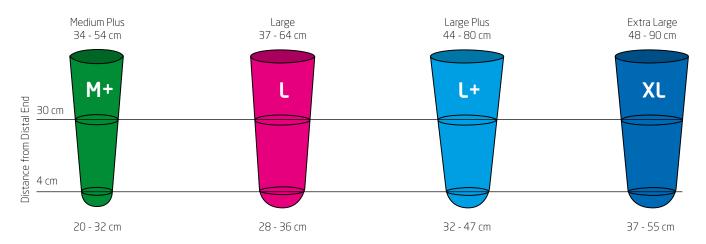
#### Technician's Tip:

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.

#### **Symmetrical Profile**



#### Sizing Guide: Alpha Hybrid® AK-Liner



#### Size Chart: Alpha Hybrid® AK-Liner, Locking

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

#### Size Chart: Alpha Hybrid® AK-Liner, Cushion

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



Material	Silicone
Fabric Type	Select*
Color	Taupe
Suspension Style	Available in locking and cushion style
Profile/Umbrella	Symmetrical/Accordion
Compatibility	See overview on page 40
Total Length	53 cm (+/- 1.5 cm)

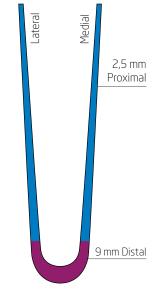
#### ◆ Alpha Silicone® AK Liner

The Alpha Silicone AK Liner is a transfemoral liner featuring a Symmetrical 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 Silicone AK Liner is fully compatible with all other WillowWood Symmetrical Liners.

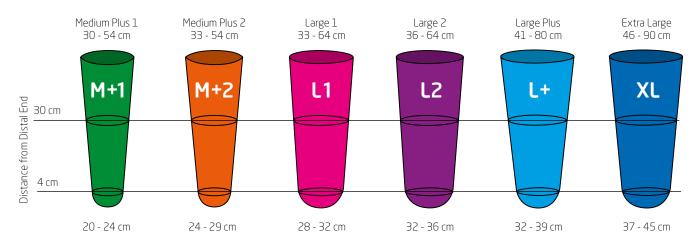
#### Technician's Tip:

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.

#### **Symmetrical Profile**



#### Sizing Guide: Alpha Silicone® AK Liner



#### Size Chart: Alpha Silicone® AK Liner, Locking

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

#### Size Chart: Alpha Silicone® AK Liner, Cushion

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



WW.P442-169X

WW.P440-169X

Material	TPE Gel with PCM
Fabric Type	Select*
Color	Taupe
Suspension Style	Available in locking and cushion style
Profile/Umbrella	Symmetrical/Accordion
Compatibility	See overview on page 40
Total Length	53 cm (+/- 1.5 cm)

#### ◆ Alpha SmartTemp® Gel AK-Liner

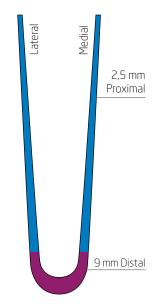
Alpha SmartTemp Gel AK Liners combine the exceptional wearing properties of the new Alpha TPE Gel with temperature regulating material. SmartTemp TPE Gel Liners absorb temperature changes of the limb and thus help regulating the user's overall body temperature. The liners' shore hardness lies between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

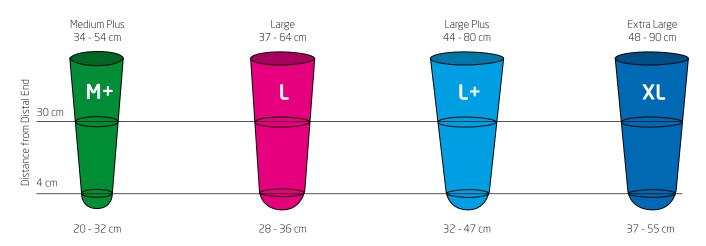
This way, perspiration in the liner gets reduced significantly.

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

#### **Symmetrical Profile**



#### Sizing Guide: Alpha SmartTemp® Gel AK-Liner, Uniform



#### Size Chart: Alpha SmartTemp® Gel AK-Liner, 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	Symmetrical	Select	9 - 2.5	Medium Plus	20 - 32	34 - 54
WW.P442-1696	Symmetrical	Select	9 - 2.5	Large	28 - 36	37 - 64
WW.P442-1698	Symmetrical	Select	9 - 2.5	Large Plus	32 - 47	44 - 80
WW.P442-1697	Symmetrical	Select	9 - 2.5	Extra Large	37 - 55	48 - 90

#### Size Chart: Alpha SmartTemp® Gel AK-Liner, 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	Symmetrical	Select	9 - 2.5	Medium Plus	20 - 32	34 - 54
WW.P440-1696	Symmetrical	Select	9 - 2.5	Large	28 - 36	37 - 64
WW.P440-1698	Symmetrical	Select	9 - 2.5	Large Plus	32 - 47	44 - 80
WW.P440-1697	Symmetrical	Select	9 - 2.5	Extra Large	37 - 55	48 - 90



Material	Silicone with PCM
Fabric Type	Select*
Color	Taupe
Suspension Style	Available in locking and cushion style
Profile/Umbrella	Symmetrical/Accordion
Compatibility	See overview on page 40
Total Length	53 cm (+/- 1.5 cm)

#### ◆ Alpha SmartTemp® Silicone AK-Liner

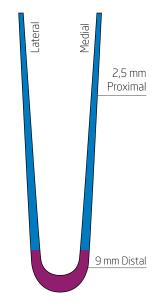
The Alpha SmartTemp Silicone AK-Liner represents an innovation in liner development. Since a special, temperature regulating material based on PCM (Phase-Change-Material) Technology has been added, the liner regulates heat and compensates for fluctuations in skin temperature. The liner absorbs heat before 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.

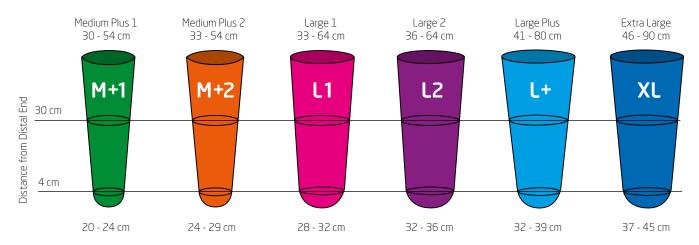
#### Technician's Tip:

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.

#### **Symmetrical Profile**



#### Sizing Guide: Alpha SmartTemp® Silicone AK-Liner



#### Size Chart: Alpha SmartTemp® Silicone AK-Liner, Locking

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

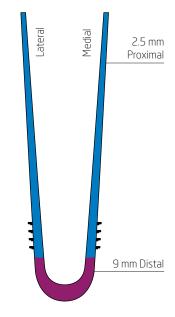
#### Size Chart: Alpha SmartTemp® Silicone AK-Liner, Cushion

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

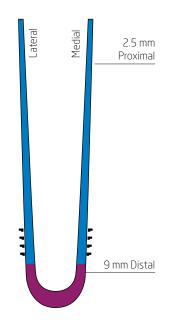


WW.S49X-11XX

#### **Symmetrical Profile Conical**



#### **Symmetrical Profile Cylindrical**



#### ◆ 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 liner is avaiblabe in two shapes: in a conical and in a cylindrical version. On the cylindrical version, the liner is tighter in the proximal area than on the conical version, which in turn is more spaceous in the proximal area.

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

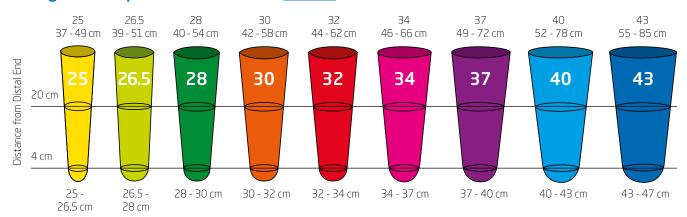
The distal sealing fins make it possible to forego proximal sealing. This increases wearing comfort in the proximal area and makes donning and doffing the prosthesis easier.

#### Technician's 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.

Material	Silicone
Fabric Cover	No Fabric Cover
Color	Taupe
Suspension Style	Available in cushion style
Profile/Umbrella	Symmetrical
Compatibility	See overview on page 40
Total Length	46 cm (+/- 1.5 cm)

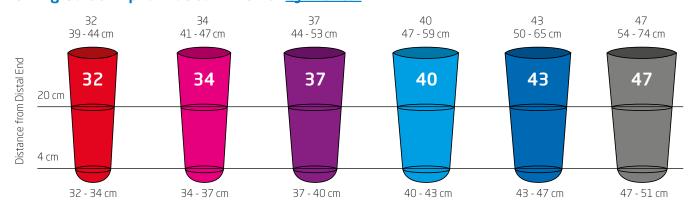
#### Sizing Guide: Alpha TruSeal AK Liner Conical



#### Size Chart: Alpha TruSeal AK Liner Conical

REF Cushion Liner	Profile	Fabric Type	Gel Thickness/ 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

#### Sizing Guide: Alpha TruSeal AK Liner Cylindrical



#### Size Chart: Alpha TruSeal AK Liner Cylindrical

REF Cushion Liner	Profile	Fabric Type	Gel Thickness/ mm	Size	Circumference (4 cm) Distal/cm	Circumference (20 cm) Proximal/cm
WW.S495-1132	Symmetrical	No Fabric Cover	9 - 2.5	32	32 - 34	39 - 44
WW.S495-1134	Symmetrical	No Fabric Cover	9 - 2.5	34	34 - 37	41 - 47
WW.S495-1137	Symmetrical	No Fabric Cover	9 - 2.5	37	37 - 40	44 - 53
WW.S495-1140	Symmetrical	No Fabric Cover	9 - 2.5	40	40 - 43	47 - 59
WW.S495-1143	Symmetrical	No Fabric Cover	9 - 2.5	43	43 - 47	50 - 65
WW.S495-1147	Symmetrical	No Fabric Cover	9 - 2.5	47	47 - 51	54 - 74



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)

#### ◆ Alpha DUO® AK/BK-Liner

DUO AK/BK Liners are intended for use with the OneSystem AK Vacuum System (p. 110).

This vacuum system for AK amputees has no external proximal seal, which significantly increases wearing comfort.

The Alpha DUO AK/BK 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 OneSystem Sock is included with each liner; it serves as a textile liner cover which, during the One System AK fabrication process, gets individually shaped to follow the edge of the prosthetic socket.

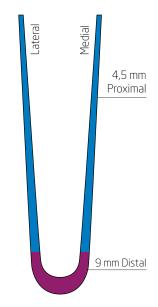
#### A OneSystem Silicone Sock is included with every Alpha DUO AK/BK Liner (see page 57 for sizes).

Another required component is the OneSystem AK Seal (see page 73).

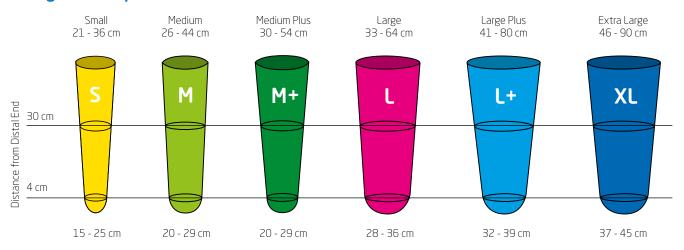
It is necessary to attend a seminar to get certified to offer the OneSystem AK to your customers.

The next available seminar dates can be found at www.wjt-ortho.com.

#### **OneSystem Symmetrical Profile**



#### Sizing Guide: Alpha DUO® AK/BK-Liner



#### Size Chart: Alpha DUO® AK/BK-Liner

REF Cushionliner	Profile	Fabric Type	Gel Thick- ness/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	Required Accessories						
REF	Product						
WW.ONE-SEAL-MP	OneSystem AK Seal M+						
WW.ONE-SEAL-LG	OneSystem AK Seal L	OneSystem AK Seal L					
WW.ONE-SEAL-LP	OneSystem AK Seal L+	OneSystem AK Seal L+					
WW.ONE-SEAL-XL	OneSystem AK Seal XL						
<b>Optional Accessories</b>							
WW.ONE-SOCK-SM	OneSystem Gel Sock S	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	OneSystem Gel Sock L					
WW.ONE-SOCK-LP	OneSystem Gel Sock L+	OneSystem Gel Sock L+					
WW.ONE-SOCK-XL	OneSystem Gel Sock XL						





#### ◆ Alpha DESIGN® Liner

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 the liner fully touches the limb in these areas.

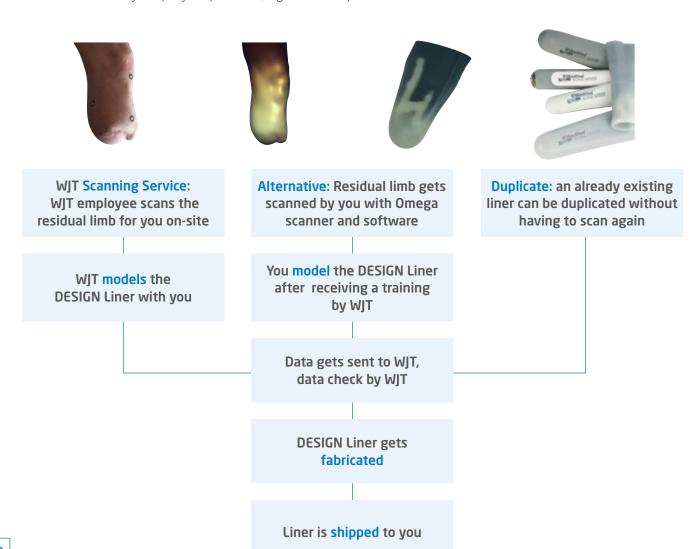
The gel thickness of the Alpha DESIGN liner can be varied seamlessly from 3 mm - 25 mm, which makes it possible to give the liner the ideal shape for the user.

Alpha DESIGN Liners are available with different materials and fabric covers, and as a DUO Liner without a fabric cover.

Please note that DESIGN liners cannot be returned due to the individual production process.

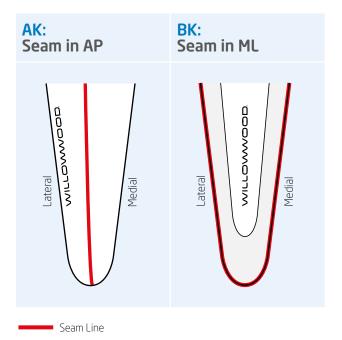
#### **DESIGN Liners - The Problem Solving Liners**

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.



Material	Classic-Gel, Hybrid-Gel, Soft Silicone, Silicone
Fabric Type	Original <sup>1)</sup> , Spirit <sup>2)</sup> , MAX <sup>3)</sup> , Select <sup>4)</sup> , No Fabric Cover <sup>5)</sup>
Color	According to Fabric Cover
Suspension Style	Available in Locking and Cushion Style
Profile/Umbrella	Profile: Custom
Total Length	48 cm (-2.5 cm to +1.5 cm)

- $^{\mbox{\tiny 1)}}$  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.
- 4) Select: Functional textile, almost zero elongation, reduces pressure on the patella, perfectly suitable for suction systems.
- <sup>5)</sup> No Fabric Cover: DUO Liner with Classic Gel on the inside, silicone on the outside, and no textile cover.



#### **ALPHA DESIGN® Liner - Seam Line**

The seam line on the Alpha DESIGN Liner serves as a guide for putting on the liner correctly. This ensures that the inner structure sits in the right place on the limb.

For AK DESIGN Liner the seam should run in AP direction.

For BK DESGIN Liner the seam should run in ML direction.

#### Alpha Design® Liner, Locking

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

#### Alpha Design® Liner, <u>Cushion</u>

REF Cushion-Liner	Product	Material	Fabric Type	Fabrication Based on
WW.ALC-DES-CS	Design Liner Original Select Cushion	Classic-Gel	Select	Fabrication Based on Scan
WW.ALC-DES-CSDP	Design Liner Original Sel. Cushion Dupl.	Classic-Gel	Select	Duplicate (of an Already Existing Liner)
WW.ALC-DES-HS	Design Liner Hybrid Select Cushion	Hybrid-Gel	Select	Fabrication Based on Scan
WW.ALC-DES-HSDP	Design Liner Hybrid Sel. Cushion Dupl.	Hybrid-Gel	Select	Duplicate (of an Already Existing Liner)
WW.ALC-DES-OT	Design Liner Original Classic Cushion	Classic-Gel	Original	Fabrication Based on Scan
WW.ALC-DES-DP	Design Liner Original Clas.Cushion Dupl.	Classic-Gel	Original	Duplicate (of an Already Existing Liner)
WW.ELC-DES-OT	Design Liner Express Select Cushion	Soft Silicone	Select	Fabrication Based on Scan
WW.ELC-DES-DP	Design Liner Express Sel. Cushion Dupl.	Soft Silicone	Select	Duplicate (of an Already Existing Liner)
WW.ADC-DES-OT	Design CushionLiner Duo	Classic-Gel / Silicone	No Fabric Cover	Fabrication Based on Scan
WW.ADC-DES-DP	Design Liner Duo Cushi- on Duplicate	Classic-Gel / Silicone	No Fabric Cover	Duplicate (of an Already Existing Liner)







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)

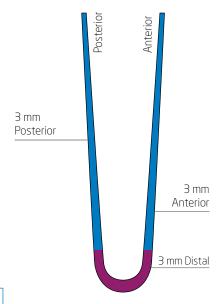
#### ◆ Alpha Upper Extremity Liner

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.

#### Technician's Tip:

We recommend using the lock CD.104QT (Grommet Lock) with this liner, which will require the addition of the optional Pin CD.104PQ with the 6.35 threaded connector.

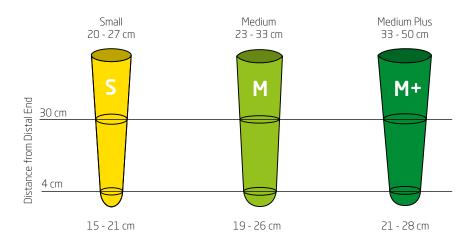
#### **Uniform Profile**



#### **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, Locking

REF Locking Liner	Profile	Fabric Type	Gel Thick- ness/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





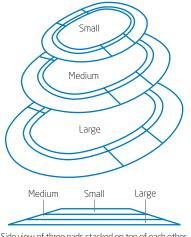
WW.ALA-CX-X

#### Liner Accessories

#### Alpha® Gel Cups

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.  $\label{eq:wwall} WW.ALA-XX$ 

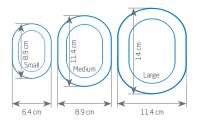
#### • Alpha® Volume Management Pads

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.

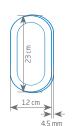
Position the volume pads so the flat side of the pad touches the skin and the domed side of the pad faces outside, towards the liner. If required, several pads can be stacked on top of each other, in order of decreasing size, to compensate for bigger volume changes (see drawing). All pads are 3 mm thick.

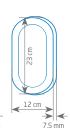


WW.ALA-XX

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







#### • 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
WW.ALA-S6	Alpha Socket Pads 6mm Circular 4pcs	6	4
WW.ALA-S7	Alpha Socket Pads 6mm Small Oval 4pcs	6	4
WW.ALA-S8	Alpha Socket Pads 6mm Large Oval 4pcs	6	4
WW.ALA-S9	Alpha Socket Pads 6mm Tear Drop 4pcs	6	4
WW.ALA-S0	Alpha Socket Pads 6mm Variety 4pcs	6	4
WW.ALA-S1	Alpha Socket Pads 12mm Circular 4pcs	12	4
WW.ALA-S2	Alpha Socket Pads 12mm Small Oval 4pcs	12	4
WW.ALA-S3	Alpha Socket Pads 12mm Large Oval 4pcs	12	4
WW.ALA-S4	Alpha Socket Pads 12mm Tear Drop 4pcs	12	4
WW.ALA-S5	Alpha Socket Pads 12mm Variety 4pcs	12	4

#### • 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-TL002



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.

# Length: Measured from the middle of the patellar tendon. to the distal end of the 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

## Length: Measured from the distal end of the limb up to the point that the sock should cover. Circumference: Depends on the selected length of the sock. The longer the sock, the further proximal the circumference has to be measured.

#### 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







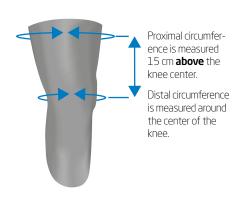
WW.FlexSeal-XX

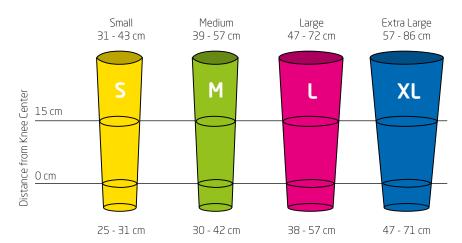
#### ◆ MV-Flex-Seal Sleeve

The MV-Flex-Seal replaces the sleeves of conventional systems. It seals vacuum systems on the proximal end, and is used for BK prostheses. In contrast to conventional sleeves, the MV-Flex-Seal is placed on the inside, between the inner and outer socket of the system. The MV-Flex-Seal is intended for use with the DUO Liner.

Total length is approx. 32cm. The sleeve is pre-flexed to 22°.

#### The MV-Flex-Seal Sleeve is available in four sizes:





REF	Size	Color	Distal Circumfe- rence/cm	Proximal Cir- cumference/cm
WW.FLEXSEAL-SM	Small	Buff	25 - 31	31 - 43
WW.FLEXSEAL-MD	Medium	Buff	30 - 42	39 - 57
WW.FLEXSEAL-LG	Large	Buff	38 - 57	47 - 72
WW.FLEXSEAL-XL	Extra Large	Buff	47 - 71	57 - 86

Required Accessories		
REF	Product	
WW.FLEXSEAL-DY-SM	MV-Flex-Seal S	
WW.FLEXSEAL-DY-MD	MV-Flex-Seal M	
WW.FLEXSEAL-DY-LG	MV-Flex-Seal L	
WW.FLEXSEAL-DY-XL	MV-Flex-Seal XL	



WW.ONE-SEAL-XX

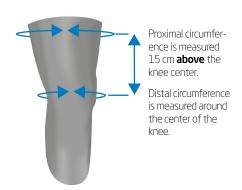
#### One-Seal Sleeve

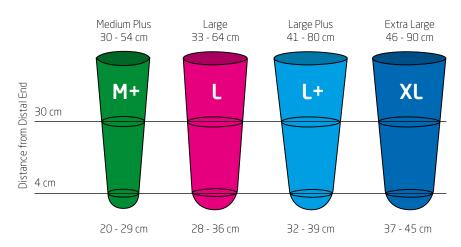
The One-Seal sealing ring provides a circular air seal between the liner and the socket, creating a 2nd seal in a vacuum system. It has sealing fins that provide a reliable seal even during active movement. It is used with the OneSystem AK.

Total length is approx. 29 cm.

#### The One-Seal Sleeve is available in four sizes:

The One-Seal size should be the same as the selected liner size.

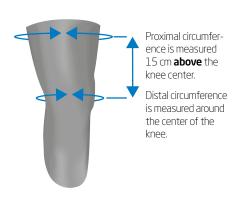




REF	Product	Color
WW.ONE-SEAL-MP	OneSystem AK Seal M+	Transparent
WW.ONE-SEAL-LG	OneSystem AK Seal L	Transparent
WW.ONE-SEAL-LP	OneSystem AK Seal L+	Transparent
WW.ONE-SEAL-XL	OneSystem AK Seal XL	Transparent



WW.ALS-3XX



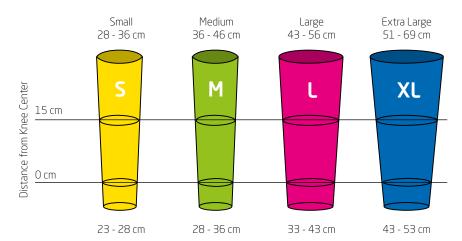
# **◆** Alpha Classic Original Sleeve

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, it features a fabric cover in the knee area, which makes bending the knee easier and protects the sleeve from from damage.

Total length is about 41 cm.

# Alpha Classic Original Sleeves are available in four sizes:



REF	Size	Color	Distal Circumfe- rence/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

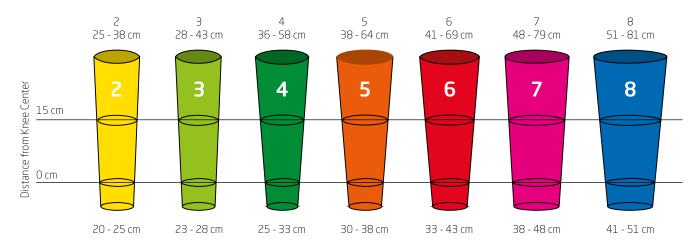
WW.ALS-5XK

### **◆** Alpha Hybrid<sup>®</sup> Sleeve

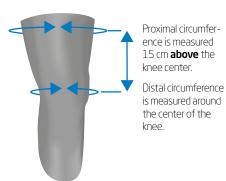
Alpha Hybrid Sleeves consist of Hybrid Gel, making them also ideal for more active users. The combination of this gel with the fabric cover results in a sleeve with a high level of durability and flexibility and very little bending resistance. For even more durability, Alpha Hybrid Sleeves feature a 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 Circumfe- rence/cm	Proximal Circum- ference/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					
Alpha Hybrid Sie	eve, black				
REF	Size	Color	Distal Circumfe- rence/cm	Proximal Circum- ference/cm	
		<b>Color</b> Black			
REF	Size		rence/cm	ference/cm	
REF WW.ALS-52K	Size 2	Black	<b>rence/cm</b> 20 - 25	<b>ference/cm</b> 25 - 38	
REF WW.ALS-52K WW.ALS-53K	<b>Size</b> 2 3	Black Black	rence/cm 20 - 25 23 - 28	<b>ference/cm</b> 25 - 38 28 - 43	
REF  WW.ALS-52K  WW.ALS-53K  WW.ALS-54K	2 3 4	Black Black Black	rence/cm 20 - 25 23 - 28 25 - 33	<b>ference/cm</b> 25 - 38 28 - 43 36 - 58	
REF  WW.ALS-52K  WW.ALS-53K  WW.ALS-54K  WW.ALS-55K	2 3 4 5	Black Black Black Black	rence/cm 20 - 25 23 - 28 25 - 33 30 - 38	ference/cm 25 - 38 28 - 43 36 - 58 38 - 64	

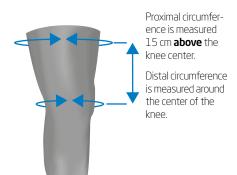


# **◆ LimbLogic® Sleeve**

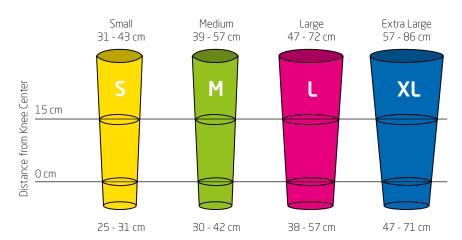
The LimbLogic Sleeve is made from soft yet resilient Alpha Silicone, and is great when combined with elevated vacuum systems or passive suction suspension systems. We recommend it for use with the LimbLogic System.

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 availabe in four sizes:**



LimbLogic Sleeve, Taupe					
REF	Size	Color	Distal Circumfe- rence/cm	Proximal Circum- ference/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 Circumfe- rence/cm	Proximal Circum- ference/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	

# **Optional Accessories**

LimbLogic Dichtungsmanschette			
REF	Product		
WW.LLC-SM	LimbLogic Sealing Cuff S		
WW.LLC-MD	LimbLogic Sealing Cuff M		
WW.LLC-LG	LimbLogic Sealing Cuff L		
WW.LLC-XL	LimbLogic Sealing Cuff XL		

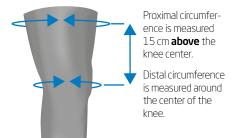


#### WW.ALS-2XK

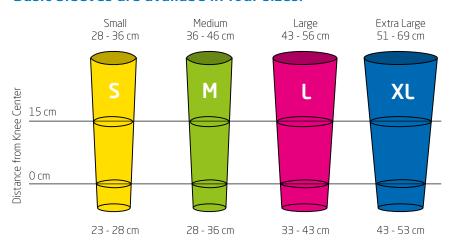
### **◆** Basic Sleeve

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.



#### Basic Sleeves are availabe in four sizes:



REF	Size	Color	Distal Circum- ference/cm	Proximal Circum- ference/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

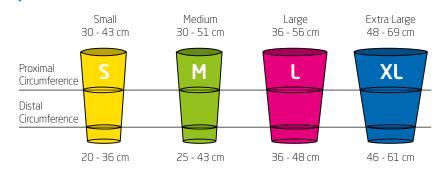
# ◆ Alpha Hybrid AK Sleeve

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.

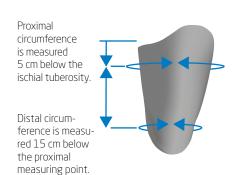
Even though it covers a rather small area, the Alpha Hybrid AK Sleeve is highly effective in sealing the suction connection in the proximal area due to its great flexibility.

Total length is about 20 cm.

# Alpha AK Sleeves are available in four sizes:



REF	Size	Color	Distal Circumfe- rence/cm	Proximal Circum- ference/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 System WJT 8

The Lock System W|T 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 exchange the lock body in the prosthetic socket.

The lock system is available as a kit, in two versions with 2 pin lengths. The pins are also available with a hole (longitudinal hole for cord retraction). A 65-mm pin is also available.

#### 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
- Version pin with hole can be combined with lanyard (accessories)
- Weight limit: 125 kg

#### • WJT 8 Lock Shuttle with Pin with Hole

REF	Product	Construction Height/mm	Weight/	Weight Limit/kg	Circumfe- rence/mm
28.070.100.00	WJT 8 Lock Shuttle w/ Pin w/ Hole Ø10x38mm		60	125	36
28.070.100.50	WJT 8 Lock Shuttle w/ Pin w/ Hole Ø10x50mm	25	60	125	36

#### • WJT 8 Lock Shuttle with Pin without Hole

REF	Product	Construction Height/mm	Weight/	Weight Limit/kg	Circumferen- ce/mm
28.070.200.00	WJT 8 Lock Shuttle w/ Pin Ø10x38mm	25	60	125	36
28.070.200.50	WJT 8 Lock Shuttle w/ Pin Ø10x50mm	25	60	125	36



# **Scope of Delivery**

# • WJT 8 Lock Shuttle with Pin with Hole Ø10x38mm

REF	Product
28.900.700.10	WJT 8 Lock Body w/ Release Button
28.070.304.38	WJT 8 Lock Pin w/ Hole Ø10x38mm
28.900.700.05	WJT 8-Lock Foaming Hull w/ Tepefom Washer
21.992.000.10	Sealing Wax 5g

# • WJT 8 Lock Shuttle with Pin with Hole Ø10x50mm

REF	Product
28.900.700.10	WJT 8 Lock Body w/ Release Button
28.070.304.50	WJT 8 Lock Pin w/ Hole Ø10x50mm
28.900.700.05	WJT 8-Lock Foaming Hull w/ Tepefom Washer
21.992.000.10	Sealing Wax 5g

### • WJT 8 Lock Shuttle with Pin Ø10x38mm

REF	Product
28.900.700.10	WJT 8 Lock Body w/ Release Button
28.070.305.38	WJT 8 Lock Pin Ø10x38mm
28.900.700.05	WJT 8-Lock Foaming Hull w/ Tepefom Washer
21.992.000.10	Sealing Wax 5g

# • WJT 8 Lock Shuttle with Pin Ø10x50mm

REF	Product
28.900.700.10	WJT 8 Lock Body w/ Release Button
28.070.305.50	WJT 8 Lock Pin Ø10x50mm
28.900.700.05	WJT 8-Lock Foaming Hull w/ Tepefom Washer
21.992.000.10	Sealing Wax 5g

# **Required Accessories**

# • WJT 8 Lock Laminating Dummy Kit

REF	Product
28.900.700.20	WJT 8 Lock Laminating Dummy Kit

# **Scope of Delivery**

# • WJT 8 Lock Laminating Dummy Kit

REF	Product
28.900.700.21	WJT 8 Lock Laminating Dummy
28.900.700.22	WJT 8 Lock Laminating Screw M19x22
28.900.700.23	WJT 8 Lock Laminating Dummy Set Screw





# **Optional Accessories**

REF	Product
28.900.700.01	WJT 8 Lock Lanyard Cord



# Spare Parts for Lock System WJT 8

m	0 0	REF	Product
壨	W W	28.070.304.38	WJT 8 Lock Pin w/ Hole Ø10x38mm
9		28.070.304.50	WJT 8 Lock Pin w/ Hole Ø10x50mm
帶	# #		
~	26 23	REF	Product

REF	Product
28.070.305.38	WJT 8 Lock Pin Ø10x38mm
28.070.305.50	WJT 8 Lock Pin Ø10x50mm
28.070.305.65	WJT 8 Lock Pin Ø10x65mm

REF	Product
28.900.700.10	WJT 8 Lock Body w/ Release Button





REF	Product
28.900.700.04	WJT 8 Lock Lamination Mounting Plate



REF	Product
28.900.700.03	WJT 8 Lock Release Button Kit



REF	Product
28.900.700.05	WJT 8-Lock Foaming Hull w/ Tepefom Washer



REF	Product
28.900.700.21	WJT 8 Lock Laminating Dummy



REF	Product
28.900.700.22	WJT 8 Lock Laminating Screw M19x22



REF	Product
28.900.700.23	WJT 8 Lock Laminating Dummy Set Screw



REF	Product
21.992.000.10	Sealing Wax 5g



WW.700-AIS48X



Delivery Includes

# **◆** AIS Alpha Lock Clutch

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.



REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes		
WW.700-AIS480	AIS Alpha-Lock Clutch w/ Pin Ø10x38mm	22	220	61	115	Lamination Dummy Set		
Optional Accessories								
WW.700-AIS102	AIS Distal Adapter incl.Dummy							
WW.700-AIS482	AIS Alpha-Lock Clutch Pin Ø10x38mm							
WW.700-AIS483	AIS Hardware Kit							
WW.700-AIS484	AIS One-Way-Valve f.Distal Adap	AIS One-Way-Valve f.Distal Adapter						
WW.700-AIS488	AIS Alpha-Lock Clutch Pin Ø10x51mm							
WW.700-AIS489	AIS Alpha O-Ring Gasket PU: 10pcs							
WW.700-AIS492	AIS Alpha Lock Body	AIS Alpha Lock Body						

### **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.

# CD.103/CD.103D

#### Air-Lock Shuttle

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.









REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes		
CD.103	Air-Lock Shuttle Height 34,3	34.3	84	57.4	160	Dummy Set		
CD.103D	Air-Lock Shuttle Height 43,3	43.3	88	57.4	160	Dummy Set		
Required Accessories								
CD.103P8	Air-Lock Shuttle Pin Ø10x33m	ım PU: 2pcs						
CD.103P11	Air-Lock Shuttle Pin Ø10x42m	ım PU: 2pcs						
CD.103AF	4-Hole Alignable Connector							
CD.111	Coyote 4-Hole Alignable Connector w/ Tie-Off Notch							
CD.115CF5	Coyote 4-Hole Connection Plate w/ 5°Flexion							
FT.60SL50	PLUSeries Kit Beige 50ml							
FT.1ML50	PLUSeries Kit Black 50ml							
FT.G50	PLUSeries Dispensing Gun 50r	nl						
Optional Accessories								
CD.103FD	Air-Lock Thermoforming Dumn	ny						
CD.103LP	Air-Lock Locking Peg&Springs							
CD.103MDI	Coyote Offset-Insert f.4-Hole A	Alignable Connec	tor					
CD.103RB	Air-Lock Release Button							
CD.103RBC	Air-Lock Release Button Cover							
CD.103SDI	Coyote Sliding-Insert f.4-Hole	Alignable Connec	tor					
CD.103SG	Air-Lock&Small Air-Lock Spring	Air-Lock&Small Air-Lock Springs PU: 3pcs						
CD.103WH	Air-Lock Wrench							
CD.103VB	Air-Lock Valve Body							



CD.103M/CD.103MD



#### **◆** Medium Air-Lock Shuttle

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	Medium Air-Lock Shuttle Height 33	33	57	47	160	Dummy Set	
CD.103MD	Medium Air-Lock Shuttle Height 42	42	57	47	160	Dummy Set	
Required Accessories							
CD.103P8	Air-Lock Shuttle Pin Ø10x33mm PL	J: 2pcs					
CD.103P11	Air-Lock Shuttle Pin Ø10x42mm PL	J: 2pcs					
CD.103AF	4-Hole Alignable Connector						
CD.111	Coyote 4-Hole Alignable Connector	w/ Tie-Off Note	:h				
CD.115CF5	Coyote 4-Hole Connection Plate w/ 5°Flexion						
FT.60SL50	PLUSeries Kit Beige 50ml						
FT.1ML50	PLUSeries Kit Black 50ml						
FT.G50	PLUSeries Dispensing Gun 50ml						
<b>Optional Accessories</b>							
CD.103LP	Air-Lock Locking Peg&Springs						
CD.103MDI	Coyote Offset-Insert f.4-Hole Aligna	able Connector					
CD.103RB	Air-Lock Release Button						
CD.103RBC	Air-Lock Release Button Cover						
CD.103SDI	Coyote Sliding-Insert f.4-Hole Aligna	able Connector					
CD.103SG	Air-Lock&Small Air-Lock Springs PU: 3pcs						
CD.103WH	Air-Lock Wrench						
CD.103VB	Air-Lock Valve Body						

#### CD.103S/CD.103SD



#### **◆** Small Air-Lock Shuttle

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.





REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes	
CD.103S	Air-Lock Shuttle Height 33	33	35	31.5	160	Dummy Set	
CD.103SD	Air-Lock Shuttle Height 42	42	39	31.5	160	Dummy Set	
<b>Required Accessories</b>							
CD.103P8	Air-Lock Shuttle Pin Ø10x33mm	PU: 2pcs					
CD.103P11	Air-Lock Shuttle Pin Ø10x42mm	PU: 2pcs					
CD.103AF	4-Hole Alignable Connector						
CD.111	Coyote 4-Hole Alignable Connector w/ Tie-Off Notch						
CD.115CF5	Coyote 4-Hole Connection Plate w/ 5°Flexion						
FT.60SL50	PLUSeries Kit Beige 50ml						
FT.1ML50	PLUSeries Kit Black 50ml						
FT.G50	PLUSeries Dispensing Gun 50ml						
<b>Optional Accessories</b>							
CD.103LP	Air-Lock Locking Peg&Springs						
CD.103MDI	Coyote Offset-Insert f.4-Hole Al	ignable Connector					
CD.103RB	Air-Lock Release Button						
CD.103RBC	Air-Lock Release Button Cover						
CD.103SDI	Coyote Sliding-Insert f.4-Hole Al	ignable Connector					
CD.103SG	Air-Lock&Small Air-Lock Springs PU: 3pcs						
CD.103WH	Air-Lock Wrench						
CD.103VB	Air-Lock Valve Body						



#### CD.117

# Easy-Off-Lock Shuttle

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.



FT.60SL50

FT.1ML50



PLUSeries Kit Beige 50ml

PLUSeries Kit Black 50ml







REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes	
CD.117	Easy-Off-Lock Shuttle Height 34,3	34.3	133	57.4	120	Dummy Set	
Required Accessories							
CD.103P8	Air-Lock Shuttle Pin Ø10x3	Air-Lock Shuttle Pin Ø10x33mm PU: 2pcs					
CD.103AF	4-Hole Alignable Connector						
CD.111	Coyote 4-Hole Alignable Connector w/ Tie-Off Notch						
CD.115CF5	Covote 4-Hole Connection F	Plate w/ 5°Flexion					

FT.G50	PLUSeries Dispensing Gun 50ml
<b>Optional Accessories</b>	
CD.103MDI	Coyote Offset-Insert f.4-Hole Alignable Connector
CD.103SDI	Coyote Sliding-Insert f.4-Hole Alignable Connector
CD.117LP	Easy-Off-Lock Locking Mechanism



#### CD.122A



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.1	.22AFD

REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes	
CD.122A	Air-Lock Drop-In Shuttle Height 34,3	34.3	84	57.4	160	Lock incl. Adapter	
<b>Required Accessories</b>							
CD.103P8	Air-Lock Shuttle Pin Ø10x33mm	PU: 2pcs					
CD.103P11	Air-Lock Shuttle Pin Ø10x42mm PU: 2pcs						
CD.122AFD	Air-Lock Drop-In Shuttle Laminating Dummy						
<b>Optional Accessories</b>							
CD.103LP	Air-Lock Locking Peg&Springs						
CD.103RB	Air-Lock Release Button						
CD.103RBC	Air-Lock Release Button Cover						
CD.103SG	Air-Lock&Small Air-Lock Springs PU: 3pcs						
CD.103WH	Air-Lock Wrench						
CD.103VB	Air-Lock Valve Body						







CD.116XWS

Scope of Delivery of CD.116

#### 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.

# Technician's Tip:

We recommend combining the Proximal Lock with the Alpha Hybrid 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	Proximal-Lock Liner Connection K	îit					
CD.105	Auto Expulsion Mini Valve						

# Accessories for Coyote Lock Systems

#### CD.103AF

# • 4-Hole Alignable Connector

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.











REF	Product
CD.103AF	4-Hole Alignable Connector

# • Coyote 4-Hole Alignable Connector with Tie-Off Notch

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









**Product REF** CD.111 Coyote 4-Hole Alignable Connector w/ Tie-Off Notch

# CD.103MDI



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.









REF	Product
CD.103MDI	Coyote Offset-Insert f.4-Hole Alignable Connector



CD.103SDI



Bottom Side

# • Coyote Sliding-Insert for 4-Hole Alignable Connector

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.





REF	Product
CD.103SDI	Coyote Sliding-Insert f.4-Hole Alignable Connector



CD.115CF5



# • Coyote 4-Hole Connection Plate with 5° Flexion

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

The general flexion is  $5^\circ$ , 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	Coyote 4-Hole Connection Plate w/ 5°Flexion



#### 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
FT.60SL50	50	Beige	1 Cartridge incl. 2 Mixing Tips
FT.1ML50	50	Black	1 Cartridge incl. 2 Mixing Tips
FT.60SL	215	Beige	1 Cartridge incl. 2 Mixing Tips
FT.1ML	215	Black	1 Cartridge incl. 2 Mixing Tips

Produkt enthält Diisocyanate. Ab dem 24. August 2023 muss vor der industriellen oder gewerblichen Verwendung eine angemessene Schulung erfolgen.



FT.1ML

FT.G50/FT.G220

FT.60SL

# • PLUSeries Dispensing Gun

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







FT.127216 / FT.127226





WW.700-AIS10X

# AIS Alpha Locking Lanyard

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 builtin one-way expulsion air valve through which excessive air can be released distally.









Scope c	f Delivery

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





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.



REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes
CD.121	Coyote Lanyard Body Aluminum	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
Required Accessories	;					
CD.120L	Coyote Lanyard Strap Kit					Hook-and-Loop Lanyard Strap, Including Strap Guide for Installation on Socket
CD.121D	Coyote Lanyard Lam	ination Dummy				
Optional Accessories						
CD.121L	Coyote Lanyard Spare Strap					
CD.118P	Coyote Lanyard Pin Ø10x42mm Incl.Cord					
CD.118PD	Coyote Lanyard Pinch Disk f.Cord					





#### CD.105

#### Auto Expulsion Mini Valve

The Auto Expulsion Mini 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 Mini Valve	11	3	24	Not Limited	Adjustable 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
Optional Accessories	3					
30.005.000.10	Mini Valve Pro Spare Parts Kit			Hex Nut M10x1, Washer, Interior Valve Component, White Duck- bill-Valve, Sealing Washer		



#### WW.LLV-EV

# LimbLogic Expulsion Valve

Functional expulsion valve to glue onto the prosthetic socket. Aluminum body with valve insert that can be glued into place. For use with the LimbLogic System or simply as an expulsion valve.

REF	Product	System Height/mm	Weight/g	Diameter/mm
WW.LLV-EV	LimbLogic Expulsion Valve	20	15	19
Optional Accessories				
WW.LLV-EV2 LimbLogic Expulsion Valve Insert				



WW.700-SP4XX



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
WW.700-SP470	Suction Pyramid Kit 115kg Ti	12	64	Equivalent to 4-Hole Connector	115	Titanium	Laminated Socket Attachment Block REF WW.700-250
Optional Accessories							
WW.700-AL486	One-Way Valve						
WW.700-AIS487	Poron Filter f.Suction Pyramid						
WW.700-AB452	Spare Valve Filt	Spare Valve Filter f.Suction Pyramid					



26.300.000.01

#### 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.





Fabrication Dummy Set Included

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 Accessorie</b>	S					
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. All valves are available in black and white. 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.

26.302.900.x1

REF	Product	Weight Limit/kg	Delivery Includes
26.302.900.01	ESP Screw Valve Insert Lyn Manual White	Not Limited	Valve, Manual Release
26.302.900.11	ESP Screw Valve Insert Lyn Manual Black	Not Limited	Valve, Manual Release





#### ESP Screw Valve Lyn Auto

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

26.302.900.x2

REF		Product	Weight Limit/kg	Delivery Includes
26.30	02.900.02	ESP Screw Valve Insert Lyn Auto White	Not Limited	Valve, Automatic Release
26.30	)2.900.12	ESP Screw Valve Insert Lyn Auto Black	Not Limited	Valve, Automatic Release





#### • 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

26.302.900.x3

REF	Product	Weight Limit/kg	Delivery Includes
26.302.900.03	ESP Screw Valve Insert Lyn Slide White	Not Limited	Valve, Automatic Release
26.302.900.13	ESP Screw Valve Insert Lyn Slide Black	Not Limited	Valve, Automatic Release



# • ESP Screw Valve EVA Adapter

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

26.302.900.x4

REF	Product	Weight Limit/kg	Delivery Includes
26.302.900.04	ESP Screw Valve Insert EVA Adapter White	Not Limited	Valve with Connector for Vacuum System, incl. Corner Valve and Connection Hose
26.302.900.14	ESP Screw Valve Insert EVA Adapter Black	Not Limited	Valve with Connector for Vacuum System, incl. Corner Valve and Connection Hose



# • Required Accessories for all ESP Screw Valves



26.302.900.5x 26.302.900.80

REF	Product	Weight Limit/kg	Delivery Includes
26.302.900.50	ESP Screw Valve Body Silver	Not Limited	Body for ESP Valves
26.302.900.51	ESP Screw Valve Body Black	Not Limited	Body for ESP Valves
26.302.900.80	ESP Screw Valve Dummy Kit		



# • Optional Acessories for all ESP Screw Valves

#### 26.302.900.90

REF	Product
26.302.900.90	ESP Screw Valve Installation Wrench



26.302.900.15



Fabrication Dummy Set Included

# ESP Valve RVS Lyn Slide

Expulsion valve for AK and BK prosthetic sockets, compact, reliable and easy to use. No additional valve body is needed to install the valve, which reduces the diameter. The valve itself is screwed directly into the socket wall. For expulsion, the central button gets pushed in any direction. The valve stays open, and no counter pressure ist created, thus making donning and doffing the prosthesis an easy task.

REF	Product	System Height/mm	Weight/g	Diameter/ mm	Weight Limit	Delivery Includes
26.302.900.15	ESP Valve RVS Lyn Slide Black	20	12.5	31	Not Limited	Valve incl. Dummy Kit with Screw



30.532.000.00

#### **◆** Flat Rubber Valves

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

REF	Product
30.001.000.00	Flat Rubber Valve w/o Insert Ring
30.532.000.00	Flat Rubber Valve w/ Tab w/ Insert Ring
30.655.000.00	Insert Ring Beige









Example of Use

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.

# Technician's Tip:

The Alpha DUO AK/BK Liner for the One System BK can be found on page 30.

An app for the LimbLogic system is available for iOS operating systems. All functions can be conveniently controlled with it, the remote control is no longer required in this case.











# The right solution for any activity level.

# One System BK available as

### **Suction Suspension**

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

**Application Recommendation** 

**Application Recommendation** 

**Elevated Vacuum** 

**Electronically Controlled** 

- + 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)



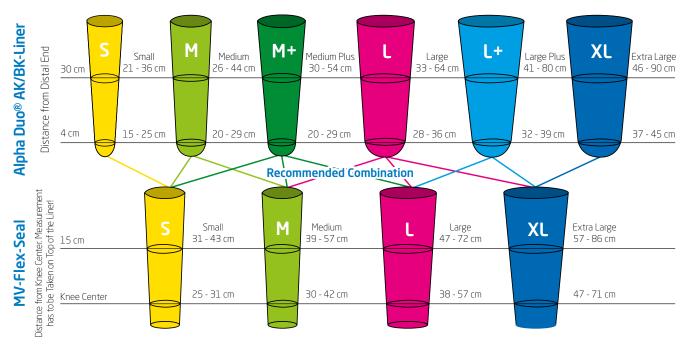


# One System BK. A Logic System.

The One System BK consists of the following components:



### Alpha DUO® AK/BK-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

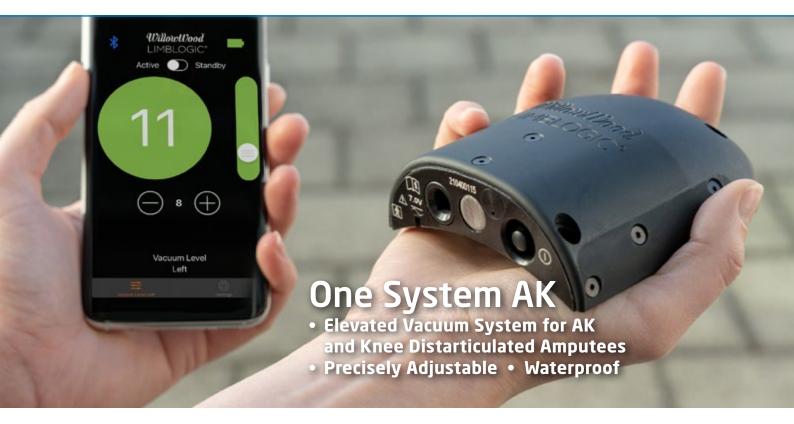
Select the fitting size for the MV-Flex-Seal. Also select the matching MV-Flex-Seal Dummy (same size). You will also need the One Link Kit and Orthotherm Silicone for the inner socket.

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 2000-L Vacuum System Distal		
WW.LLV- 2000Wartung	LLV2000 4 Maintenance Cycles for 2 Years		
WW.LLV-01041	LimbLogic Distal 4-Hole Connection Plate		

Optional Accessories for Suction Systems			
REF Product			
WW.LLV-EV	LimbLogic Expulsion Valve		





Example of Use

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.



The OneSystem AK can be combined with the following liners: OneSystem SmartTemp AK Liner (p.308) or Alpha DUO Liner (p.56).

An app for the LimbLogic system is available for iOS operating systems. All functions can be conveniently controlled with it, the remote control is no longer required in this case.











REF	Product	System Height/mm	Weight /g	Weight Limit	Delivery Includes	
WW.LLV-2000-S	LimbLogic 2000-S Va- cuum System 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 ,Laminating Plate WW.LLV-01049	
C-Fab						
25.400.000.00	OneSystem Defir	itive Socket AK				
Required Accessories						
70.766.009.01	Orthotherm Silico	ne White 400x4	100x9mm			
70.766.012.01	Orthotherm Silico	ne White 400x4	100x12mm			
WW.LLV-01049	LimbLogic Latera	Laminating Pla	te			
WW.LLV-EV	LimbLogic Expuls	ion Valve				
WW.ONE-AB2	OneSystemAK AI	ignment Button	S			
WW.ONE-FD-SET	OneSystemAK Se	al Fabrication D	ummy			
Optional Accessories						
74.006.002.00	LimbLogic Vacuu	m System Rinsir	ng Set			
FT.1ML	PLUSeries Kit Bla	ck 215ml				
FT.60SL	PLUSeries Kit Bei	ge 215ml				
FT.G220	PLUSeries Disper	ising Gun 215m				
FT.127216	PLUSeries Mixing	Tip 215ml PU: 6	5pcs			
WW.LLV-01050	LimbLogic Lateral Seal Laminating Plate					
WW.LLV-01070	LimbLogic 1000&2000 Gasket PU: 5pcs					
WW.LLV-21011	LimbLogic 2000 Charger					
WW.LLV-21200	LimbLogic 2000	Key Fob				
WW.LLV-21240	LimbLogic 2000	Battery CR2032	? f.Key Fob			

Note: WW.LLV-2000-S comes with four maintenance cycles over 2 years. They are included in the product price.







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





Example of Use



WW.LLV-01041, included in the scope of delivery of the LimbLogic 2000.

The LimbLogic System Distal is an elevated vacuum system which is especially suited for BK prostheses. A microprocessorcontrolled 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.



An app for the LimbLogic system is available for iOS operating systems. All functions can be conveniently controlled with it, the remote control is no longer required in this case.















REF	Product	System Height/mm	Weight /g	Diameter/ mm	Weight Limit/kg	Delivery Includes	Torque	
WW.LLV-2000-L	LimbLogic 2000-L Vacuum System Distal	36	225	75	160 / Act. 1-3 136 / Act. 1-4	Incl. LimbLogic 4-Hole Con- nection Plate WW.LLV-01041, Charger, Fob, Accessory Kit WW.LLV-2000-L-ACC, Drill Bit 7.1 mm, Black	12 Nm	
WW.LLV-2002-L	LimbLogic 2002-L Vacuum System Distal Bilateral	36	225	75	160 / Act. 1-3 136 / Act. 1-4	ilncl. LimbLogic 4-Hole Con- nection Plate WW.LLV-01041, Charger, Fob, Accessory Kit WW.LLV-2000-L-ACC, Drill Bit 7.1 mm, Black	12 Nm	
Optional Accessories								
74.006.002.00	LimbLogic Va	acuum System I	Rinsing Set					
WW.LLV-01041	LimbLogic Di	stal 4-Hole Cor	nnection Pla	ate				
WW.LLV-2000Wartung		1aintenance Cy		'ears				
WW.LLV-01043	Ü	stal Vacuum Pl						
WW.LLV-01044	_	stal Vacuum Py						
WW.700-B092		p Screw M6x5!						
WW.700-B093		p Screw M6x50						
WW.LLV-21240	_	000 Battery CR	-					
WW.LLV-01070	_	000&2000 Gas	ket PU: 5pa	S				
WW.LLV-01100	LimbLogic Su							
WW.LLV-01071	_	oron Filter f.Con	nect.Plate					
WW.LLV-21011	LimbLogic 20	_						
WW.LLV-21200	LimbLogic 20							
WW.LLV-21080	_	LimbLogic 2000 Exhaust Tube Fitting						
WW.LLV-21082	_	LimbLogic 2000 Elbow Exhaust Valve						
FT.60SL		PLUSeries Kit Beige 215ml						
FT.1ML		t Black 215ml						
FT.G220		spensing Gun 2						
FT.127216	PLUSeries M	ixing Tip 215m	I PU: 6pcs					

<sup>\*</sup> Depending on the country of the customer's location of business, the maintenance service plan WW.LLV-2000Wartung 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			
AP.TI-450BF	4-Hole Pyramid Receiver Height 18 166kg Ti	4x M6x50 (included w/ LimbLogic)	166				
AP.SS-450BF	4-Hole Pyramid Receiver Height 18 136kg SS	4x M6x50 (included w/ LimbLogic)	136				
AP.TI-425BH-W	4-Hole Pyramid Height 8 166kg Ti Wp	4x M6x50 (included w/ LimbLogic)	166				
AP.SS-425BH	4-Hole Pyramid Height 7 136kg SS	4x M6x50 (included w/ LimbLogic)	136				
AP.TI-400A-W	4-Hole Pyramid Axial 5 Height 8 166kg Ti Wp	4x M6x50 (included w/ LimbLogic)	166				
AP.TI-400D-W	4-Hole Pyramid Diagonal 5 Height 8 166kg Ti Wp	4x M6x50 (included w/ LimbLogic)	166				
WW.FND-224150	Slide Adapter Rotatable 0-13 Height 9 160kg Ti	4x M6x55 (REF WW.700-B092)	160 (up to Act. Level 3) 136 (up to Act. Level 4)				





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:





















REF	Product	System Height/mm	Weight/g	Weight Limit/kg	Included in Delivery	Torque	
WW.LLM-1000-L	LimbLogic M Vacuum System Stan- dard	92	475	73-150 / Akt. 2-3 73-136 / Act. 4	incl. WW.LLM-KIT-L Fabrication Kit f. LimbLogic M Vacuum System, incl. LimbLogic 4-Hole Connec- tion Plate WW.LLV-01041	12 Nm	
WW.LLM-1001-L	LimbLogic M Vacuum System Light	92	475	45-77 / Act. 2-4	incl. WW.LLM-KIT-L Fabrication Kit f. LimbLogic M Vacuum System, incl. LimbLogic 4-Hole Connec- tion Plate WW.LLV-01041	12 Nm	
Required Accessori	es						
FT.60SL50	PLUSeries Kit Be	ige 50ml					
Or							
FT.1ML50	PLUSeries Kit Bla	nck 50ml					
And							
FT.G50	PLUSeries 50ml I	Dispensing Gun					
<b>Optional Accessorie</b>	<u>es</u>						
WW.LLM-KIT-L	LimbLogic M Vac	uum System Fab	rication Kit				
WW.LLM-11001	LimbLogic M Vac	uum System Dia	gnostic Kit				
WW.LLV-01041	LimbLogic Distal	LimbLogic Distal 4-Hole Connection Plate					
WW.LLV-01043	LimbLogic Distal Vacuum Plate						
WW.LLV-01044	LimbLogic Distal Vacuum Pyramid						
WW.LLV-01070	LimbLogic 1000&2000 Gasket PU: 5pcs						
WW.LLV-01071	LimbLogic Poron	Filter f.Connect.	Plate				
WW.700-B093	Flat Head Cap Sc	rew M6x50mm l	PU: 4pcs				



Recommended Activity Level

4

Weight Limit 115 kg Weight Limit 125 kg

3-4

3

2-3

#### System Height of Feet:

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.

#### Test Components:

Upon request, selected feet can be borrowed as test components.

#### Recommended Activity Level:

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.

#### 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.

#### Spectra Sock:

All feet that require the addition of a Spectra Sock are delivered with an included Spectra Sock.



#### Color Example for Foot Cosmesis:

Regular color shade for feet is "Buff", additional color options are available upon special request, as special order items.

2

1-2



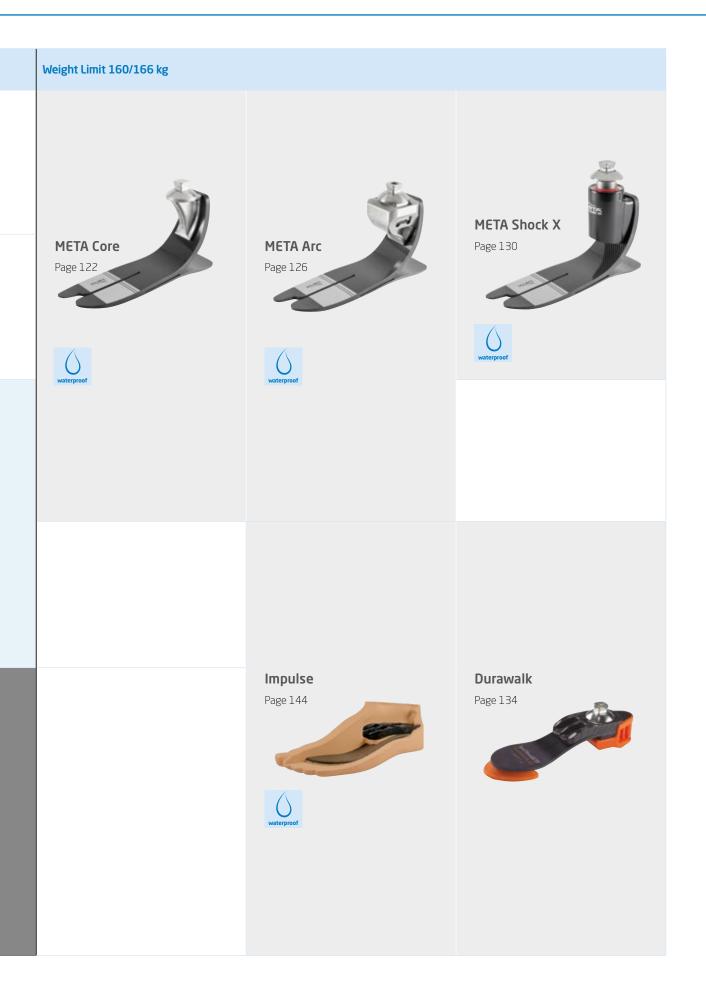
#### **Single Axis**



#### **Dynamic Foot**



1







WW.M001-XXX-0X

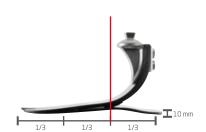
#### META Core

The META Core is a prosthetic foot with a direct pyramid connection. It impresses with its revolutionary unibody design and low contruction height. Like all META Feet, it is waterproof and has a weight limit of 166kg.

The entire carbon foot shank is laminated in a way so it functions as one piece, so no screw connection is needed between the heel and the forefoot spring. Due to this construction without interruption of the power flow in the foot, an energy return of about 95% is achieved.

The foot cosmesis of the META Core is equipped with a slightly abducted big toe, so that sandals with a toe strap can also be worn.





Divide the sagittal plane of the foot into three thirds. The alignment reference line should run through the centerpoint between the two posterior thirds. The alignment reference line is different for each of the three feet.













#### **Technical Data**

Weight of Foot/g	532 (Sz. 26, Cat. 5, incl. Cosmesis and Spectra Sock)
Weight Llmit/kg	166
Available Foot SIzes/cm	22 - 30
System Height*/mm	105
Heel Height/mm	10
Proximal Adapter	Pyramid Adapter
Toe Resistance Categories	1-9

<sup>\*</sup>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 Carbon Foot Shank**

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

Adjusted Body- weight/kg	Low Activity/ Recommended Category		Medium Activity/ Recommended Category		High Activity/ Recommended Category	
	Foot Size 22-24 cm	Foot Size 25-30 cm	Foot Size 22-24 cm	Foot Size 25-30 cm	Foot Size 22-24 cm	Foot Size 25-30 cm
45 - 51	1	1	1	1	2	2
52 - 58	1	1	2	2	3	3
59 - 67	2	2	3	3	4	4
68 - 76	3	3	4	4	5	5
77 - 87	4	4	5	5		6
88 - 99	5	5		6		7
100 - 115		6		7		8
116 - 130		7		8		9
131 - 147		8		9		
148 - 166		9				

### **Required Components for the META Core Foot**

To order a complete META Core Foot, two components have to be selected. (Example: The desired foot is size 26, for the right side. Select foot shank Sz. 26, right and cosmesis Sz. 26, right.)

1 First, choose the right category for the foot shank:

#### **META Core 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 a META Core Carbon Foot Shank, Left

Size	Category						
	1	2	3	4			
22	WW.M001-22L-01	WW.M001-22L-02	WW.M001-22L-03	WW.M001-22L-04			
23	WW.M001-23L-01	WW.M001-23L-02	WW.M001-23L-03	WW.M001-23L-04			
24	WW.M001-24L-01	WW.M001-24L-02	WW.M001-24L-03	WW.M001-24L-04			
25	WW.M001-25L-01	WW.M001-25L-02	WW.M001-25L-03	WW.M001-25L-04			
26	WW.M001-26L-01	WW.M001-26L-02	WW.M001-26L-03	WW.M001-26L-04			
27	WW.M001-27L-01	WW.M001-27L-02	WW.M001-27L-03	WW.M001-27L-04			
28	WW.M001-28L-01	WW.M001-28L-02	WW.M001-28L-03	WW.M001-28L-04			
29	WW.M001-29L-01	WW.M001-29L-02	WW.M001-29L-03	WW.M001-29L-04			
30	WW.M001-30L-01	WW.M001-30L-02	WW.M001-30L-03	WW.M001-30L-04			

## 1: Select a META Core Carbon Foot Shank, Right

Size	Category						
	1	2	3	4			
22	WW.M001-22R-01	WW.M001-22R-02	WW.M001-22R-03	WW.M001-22R-04			
23	WW.M001-23R-01	WW.M001-23R-02	WW.M001-23R-03	WW.M001-23R-04			
24	WW.M001-24R-01	WW.M001-24R-02	WW.M001-24R-03	WW.M001-24R-04			
25	WW.M001-25R-01	WW.M001-25R-02	WW.M001-25R-03	WW.M001-25R-04			
26	WW.M001-26R-01	WW.M001-26R-02	WW.M001-26R-03	WW.M001-26R-04			
27	WW.M001-27R-01	WW.M001-27R-02	WW.M001-27R-03	WW.M001-27R-04			
28	WW.M001-28R-01	WW.M001-28R-02	WW.M001-28R-03	WW.M001-28R-04			
29	WW.M001-29R-01	WW.M001-29R-02	WW.M001-29R-03	WW.M001-29R-04			
30	WW.M001-30R-01	WW.M001-30R-02	WW.M001-30R-03	WW.M001-30R-04			

### 2: Select a Foot Cosmesis

REF	Foot Size/cm	Side
WW.FS01-22LB	22	Left
WW.FS01-23LB	23	Left
WW.FS01-24LB	24	Left
WW.FS01-25LB	25	Left
WW.FS01-26LB	26	Left
WW.FS01-27LB	27	Left
WW.FS01-28LB	28	Left
WW.FS01-29LB	29	Left
WW.FS01-30LB	30	Left

REF	Foot Size/cm	Side
WW.FS01-22RB	22	Right
WW.FS01-23RB	23	Right
WW.FS01-24RB	24	Right
WW.FS01-25RB	25	Right
WW.FS01-26RB	26	Right
WW.FS01-27RB	27	Right
WW.FS01-28RB	28	Right
WW.FS01-29RB	29	Right
WW.FS01-30RB	30	Right

5	6	7	8	9
WW.M001-22L-05				
WW.M001-23L-05				
WW.M001-24L-05				
WW.M001-25L-05	WW.M001-25L-06	WW.M001-25L-07	WW.M001-25L-08	WW.M001-25L-09
WW.M001-26L-05	WW.M001-26L-06	WW.M001-26L-07	WW.M001-26L-08	WW.M001-26L-09
WW.M001-27L-05	WW.M001-27L-06	WW.M001-27L-07	WW.M001-27L-08	WW.M001-27L-09
WW.M001-28L-05	WW.M001-28L-06	WW.M001-28L-07	WW.M001-28L-08	WW.M001-28L-09
WW.M001-29L-05	WW.M001-29L-06	WW.M001-29L-07	WW.M001-29L-08	WW.M001-29L-09
WW.M001-30L-05	WW.M001-30L-06	WW.M001-30L-07	WW.M001-30L-08	WW.M001-30L-09

5	6	7	8	9
WW.M001-22R-05				
WW.M001-23R-05				
WW.M001-24R-05				
WW.M001-25R-05	WW.M001-25R-06	WW.M001-25R-07	WW.M001-25R-08	WW.M001-25R-09
WW.M001-26R-05	WW.M001-26R-06	WW.M001-26R-07	WW.M001-26R-08	WW.M001-26R-09
WW.M001-27R-05	WW.M001-27R-06	WW.M001-27R-07	WW.M001-27R-08	WW.M001-27R-09
WW.M001-28R-05	WW.M001-28R-06	WW.M001-28R-07	WW.M001-28R-08	WW.M001-28R-09
WW.M001-29R-05	WW.M001-29R-06	WW.M001-29R-07	WW.M001-29R-08	WW.M001-29R-09
WW.M001-30R-05	WW.M001-30R-06	WW.M001-30R-07	WW.M001-30R-08	WW.M001-30R-09

# **Spare Spectra Sock**

REF	Product
WW.700-SS001	WillowWood Spectra Sock White
WW.700-SS002	WillowWood Spectra Sock Black

Other versions of this foot cosmes is in the colors tan or medium brown are available as special order items with REF WW.FS01-X.



WW.M002-XXX-0X

# Technician's Tip:



Divide the sagittal plane of the foot into three thirds. The alignment reference line should run through the centerpoint between the two posterior thirds. The alignment reference line is different for each of the three feet.



During static fitting the ankle joint has to be centered in the frontal plane.

#### META Arc

The META Arc is a prosthetic foot with revolutionary design and function. Its most striking feature is the ARC titanium ankle joint with inversion/ eversion mobility. Bearing on two titanium axles, the ankle joint allows permanent adaptation to the ground with a ROM of 20° (inversion 10° / eversion 10°).

The entire carbon foot shank is laminated in a way so it functions as one piece, so no screw connection is needed between the heel and the forefoot spring. Due to this construction without interruption of the power flow in the foot, an energy return of about 95% is achieved.

The foot cosmesis of the META Arc is equipped with a slightly abducted big toe, so that sandals with a toe strap can also be worn.







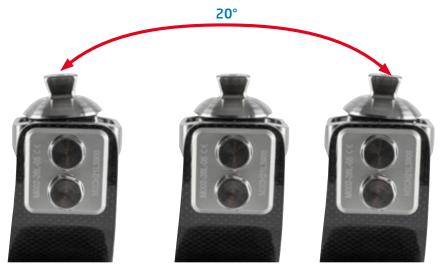




#### **Technical Data**

Weight of Foot/g	738 (Sz. 26, Cat. 5, incl. Cosmesis and Spectra Sock)
Weight Limit/kg	166
Available Foot Sizes/cm	22 - 30
System Height*/mm	113
Heel Height/mm	10
Proximal Adapter	Pyramid Adapter
Toe Resistance Categories	1-9

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



ROM of Ankle Joint: Inversion 10° / Eversion 10°

### **Ordering Information**

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

### **How to Select a Carbon Foot Shank**

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

Adjusted Body- weight/kg	Low Activity/ Recommended Category		Medium Activity/ Recommended Category		High Activity/ Recommended Category	
	Foot Size 22-24 cm	Foot Size 25-30 cm	Foot Size 22-24 cm	Foot Size 25-30 cm	Foot Size 22-24 cm	Foot Size 25-30 cm
45 - 51	1	1	1	1	2	2
52 - 58	1	1	2	2	3	3
59 - 67	2	2	3	3	4	4
68 - 76	3	3	4	4	5	5
77 - 87	4	4	5	5		6
88 - 99	5	5		6		7
100 - 115		6		7		8
116 - 130		7		8		9
131 - 147		8		9		
148 - 166		9				

### **Required Components for the META Arc Foot**

To order a complete META Arc Foot, two components have to be selected. (Example: The desired foot is size 26, for the right side. Select foot shank Sz. 26, right and cosmesis Sz. 26, right.)

1 First, choose the right category for the foot shank:

#### **META Arc Foot Shank**

Now select the size and side of the foot cosmesis.

#### **Foot Cosmesis**

One Spectra Sock is included with every foot cosmesis.



## 1: Select a META Arc Carbon Foot Shank, Left

Size	Category					
	1	2	3	4		
22	WW.M002-22L-01	WW.M002-22L-02	WW.M002-22L-03	WW.M002-22L-04		
23	WW.M002-23L-01	WW.M002-23L-02	WW.M002-23L-03	WW.M002-23L-04		
24	WW.M002-24L-01	WW.M002-24L-02	WW.M002-24L-03	WW.M002-24L-04		
25	WW.M002-25L-01	WW.M002-25L-02	WW.M002-25L-03	WW.M002-25L-04		
26	WW.M002-26L-01	WW.M002-26L-02	WW.M002-26L-03	WW.M002-26L-04		
27	WW.M002-27L-01	WW.M002-27L-02	WW.M002-27L-03	WW.M002-27L-04		
28	WW.M002-28L-01	WW.M002-28L-02	WW.M002-28L-03	WW.M002-28L-04		
29	WW.M002-29L-01	WW.M002-29L-02	WW.M002-29L-03	WW.M002-29L-04		
30	WW.M002-30L-01	WW.M002-30L-02	WW.M002-30L-03	WW.M002-30L-04		

## 1: Select a META Arc Carbon Foot Shank, Right

Size	Category						
	1	2	3	4			
22	WW.M002-22R-01	WW.M002-22R-02	WW.M002-22R-03	WW.M002-22R-04			
23	WW.M002-23R-01	WW.M002-23R-02	WW.M002-23R-03	WW.M002-23R-04			
24	WW.M002-24R-01	WW.M002-24R-02	WW.M002-24R-03	WW.M002-24R-04			
25	WW.M002-25R-01	WW.M002-25R-02	WW.M002-25R-03	WW.M002-25R-04			
26	WW.M002-26R-01	WW.M002-26R-02	WW.M002-26R-03	WW.M002-26R-04			
27	WW.M002-27R-01	WW.M002-27R-02	WW.M002-27R-03	WW.M002-27R-04			
28	WW.M002-28R-01	WW.M002-28R-02	WW.M002-28R-03	WW.M002-28R-04			
29	WW.M002-29R-01	WW.M002-29R-02	WW.M002-29R-03	WW.M002-29R-04			
30	WW.M002-30R-01	WW.M002-30R-02	WW.M002-30R-03	WW.M002-30R-04			

### 2: Select a Foot Cosmesis

REF	Foot Size/cm	Side
WW.FS01-22LB	22	Left
WW.FS01-23LB	23	Left
WW.FS01-24LB	24	Left
WW.FS01-25LB	25	Left
WW.FS01-26LB	26	Left
WW.FS01-27LB	27	Left
WW.FS01-28LB	28	Left
WW.FS01-29LB	29	Left
WW.FS01-30LB	30	Left

REF	Foot Size/cm	Side
WW.FS01-22RB	22	Right
WW.FS01-23RB	23	Right
WW.FS01-24RB	24	Right
WW.FS01-25RB	25	Right
WW.FS01-26RB	26	Right
WW.FS01-27RB	27	Right
WW.FS01-28RB	28	Right
WW.FS01-29RB	29	Right
WW.FS01-30RB	30	Right

5	6	7	8	9
WW.M002-22L-05				
WW.M002-23L-05				
WW.M002-24L-05				
WW.M002-25L-05	WW.M002-25L-06	WW.M002-25L-07	WW.M002-25L-08	WW.M002-25L-09
WW.M002-26L-05	WW.M002-26L-06	WW.M002-26L-07	WW.M002-26L-08	WW.M002-26L-09
WW.M002-27L-05	WW.M002-27L-06	WW.M002-27L-07	WW.M002-27L-08	WW.M002-27L-09
WW.M002-28L-05	WW.M002-28L-06	WW.M002-28L-07	WW.M002-28L-08	WW.M002-28L-09
WW.M002-29L-05	WW.M002-29L-06	WW.M002-29L-07	WW.M002-29L-08	WW.M002-29L-09
WW.M002-30L-05	WW.M002-30L-06	WW.M002-30L-07	WW.M002-30L-08	WW.M002-30L-09

5	6	7	8	9
WW.M002-22R-05				
WW.M002-23R-05				
WW.M002-24R-05				
WW.M002-25R-05	WW.M002-25R-06	WW.M002-25R-07	WW.M002-25R-08	WW.M002-25R-09
WW.M002-26R-05	WW.M002-26R-06	WW.M002-26R-07	WW.M002-26R-08	WW.M002-26R-09
WW.M002-27R-05	WW.M002-27R-06	WW.M002-27R-07	WW.M002-27R-08	WW.M002-27R-09
WW.M002-28R-05	WW.M002-28R-06	WW.M002-28R-07	WW.M002-28R-08	WW.M002-28R-09
WW.M002-29R-05	WW.M002-29R-06	WW.M002-29R-07	WW.M002-29R-08	WW.M002-29R-09
WW.M002-30R-05	WW.M002-30R-06	WW.M002-30R-07	WW.M002-30R-08	WW.M002-30R-09

## **Spare Spectra Sock**

REF	Product
WW.700-SS001	WillowWood Spectra Sock White
WW.700-SS002	WillowWood Spectra Sock Black

Other versions of this foot cosmesis in the colors  $\tan$  or medium brown are available as special order items with REF WW.FS01-X.

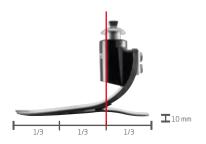
## **META Arc Assembly Aid**

REF	Product
22.050.130.02	META Arc Assembly Aid



WW.M006-XXX-XX

# Technician's Tip:



Divide the sagittal plane of the foot into three thirds. The alignment reference line should run through the centerpoint between the two posterior thirds. The alignment reference line is different for each of the three feet.

#### META Shock X

The META Shock X is a dynamic prosthetic foot that features the uniquely designed carbon foot shank which is characteristic of the META family. The Shock X combines a rotational element with a maximum axial rotation of 40° with a functional shock absorption. The torsion component adapts to gait movement, especially when walking on uneven ground. This also results in less torque being applied to the residual limb.

The entire carbon foot shank is laminated in a way so it functions as one piece, so no screw connection is needed between the heel and the forefoot spring. Due to this construction without interruption of the power flow in the foot, an energy return of about 95% is achieved.

The foot cosmesis of the META Shock X is equipped with a slightly abducted big toe, so that sandals with a toe strap can also be worn.









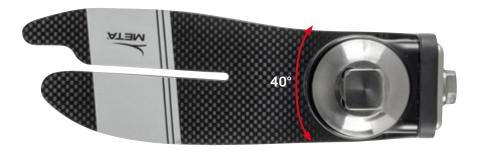




#### **Technical Data**

Weight of Foot/g	720 (Sz. 26, Cat. 5, incl. Cosmesis and Spectra Sock)
Weight Limit/kg	166
Available Foot Sizes/cm	22 - 30
System Height*/mm	138
Heel Height/mm	10
Proximal Adapter	Pyramid Adapter
Toe Resistance Categories	1-9

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



META Shock X: Functional shock absorption and max. 40° rotation.

### **Ordering Information**

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

### **How to Select a Carbon Foot Shank**

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

Adjusted Body- weight/kg	Low Activity/ Recommended Category		Medium Activity/ Recommended Category		High Activity/ Recommended Category	
	Foot Size 22-24 cm	Foot Size 25-30 cm	Foot Size 22-24 cm	Foot Size 25-30 cm	Foot Size 22-24 cm	Foot Size 25-30 cm
45 - 51	1	1	1	1	2	2
52 - 58	1	1	2	2	3	3
59 - 67	2	2	3	3	4	4
68 - 76	3	3	4	4	5	5
77 - 87	4	4	5	5		6
88 - 99	5	5		6		7
100 - 115		6		7		8
116 - 130		7		8		9
131 - 147		8		9		
148 - 166		9				

### Required Components for the META Shock X Foot

To order a complete META Shock X Foot, two components have to be selected. (Example: The desired foot is size 26, for the right side. Select foot shank Sz. 26, right and cosmesis Sz. 26, right.)

1 First, choose the right category for the foot shank:

#### **META Shock X Foot Shank**

Now select the size and side of the foot cosmesis.

#### **Foot Cosmesis**

One Spectra Sock is included with every foot cosmesis.



### 1: Select a META Shock X Carbon Foot Shank, Left, Impact Level L\*

Size	Category					
	1	2	3	4		
22	WW.M006-22L-1L	WW.M006-22L-2L	WW.M006-22L-3L	WW.M006-22L-4L		
23	WW.M006-23L-1L	WW.M006-23L-2L	WW.M006-23L-3L	WW.M006-23L-4L		
24	WW.M006-24L-1L	WW.M006-24L-2L	WW.M006-24L-3L	WW.M006-24L-4L		
25	WW.M006-25L-1L	WW.M006-25L-2L	WW.M006-25L-3L	WW.M006-25L-4L		
26	WW.M006-26L-1L	WW.M006-26L-2L	WW.M006-26L-3L	WW.M006-26L-4L		
27	WW.M006-27L-1L	WW.M006-27L-2L	WW.M006-27L-3L	WW.M006-27L-4L		
28	WW.M006-28L-1L	WW.M006-28L-2L	WW.M006-28L-3L	WW.M006-28L-4L		
29	WW.M006-29L-1L	WW.M006-29L-2L	WW.M006-29L-3L	WW.M006-29L-4L		
30	WW.M006-30L-1L	WW.M006-30L-2L	WW.M006-30L-3L	WW.M006-30L-4L		

### 1: Select a META Shock X Carbon Foot Shank, Right, Impact Level L\*

Size	Category						
	1	2	3	4			
22	WW.M006-22R-1L	WW.M006-22R-2L	WW.M006-22R-3L	WW.M006-22R-4L			
23	WW.M006-23R-1L	WW.M006-23R-2L	WW.M006-23R-3L	WW.M006-23R-4L			
24	WW.M006-24R-1L	WW.M006-24R-2L	WW.M006-24R-3L	WW.M006-24R-4L			
25	WW.M006-25R-1L	WW.M006-25R-2L	WW.M006-25R-3L	WW.M006-25R-4L			
26	WW.M006-26R-1L	WW.M006-26R-2L	WW.M006-26R-3L	WW.M006-26R-4L			
27	WW.M006-27R-1L	WW.M006-27R-2L	WW.M006-27R-3L	WW.M006-27R-4L			
28	WW.M006-28R-1L	WW.M006-28R-2L	WW.M006-28R-3L	WW.M006-28R-4L			
29	WW.M006-29R-1L	WW.M006-29R-2L	WW.M006-29R-3L	WW.M006-29R-4L			
30	WW.M006-30R-1L	WW.M006-30R-2L	WW.M006-30R-3L	WW.M006-30R-4L			

<sup>\*</sup>The standard impact level for the Meta Shock X is L. Use the special REF number WW.M006-XXX-XX to order the foot with impact level M or H.

#### 2: Select a Foot Cosmesis

REF	Foot Size/cm	Side
WW.FS01-22LB	22	Left
WW.FS01-23LB	23	Left
WW.FS01-24LB	24	Left
WW.FS01-25LB	25	Left
WW.FS01-26LB	26	Left
WW.FS01-27LB	27	Left
WW.FS01-28LB	28	Left
WW.FS01-29LB	29	Left
WW.FS01-30LB	30	Left

REF	Foot Size/cm	Side
WW.FS01-22RB	22	Right
WW.FS01-23RB	23	Right
WW.FS01-24RB	24	Right
WW.FS01-25RB	25	Right
WW.FS01-26RB	26	Right
WW.FS01-27RB	27	Right
WW.FS01-28RB	28	Right
WW.FS01-29RB	29	Right
WW.FS01-30RB	30	Right

5	6	7	8	9
WW.M006-22L-5L				
WW.M006-23L-5L				
WW.M006-24L-5L				
WW.M006-25L-5L	WW.M006-25L-6L	WW.M006-25L-7L	WW.M006-25L-8L	WW.M006-25L-9L
WW.M006-26L-5L	WW.M006-26L-6L	WW.M006-26L-7L	WW.M006-26L-8L	WW.M006-26L-9L
WW.M006-27L-5L	WW.M006-27L-6L	WW.M006-27L-7L	WW.M006-27L-8L	WW.M006-27L-9L
WW.M006-28L-5L	WW.M006-28L-6L	WW.M006-28L-7L	WW.M006-28L-8L	WW.M006-28L-9L
WW.M006-29L-5L	WW.M006-29L-6L	WW.M006-29L-7L	WW.M006-29L-8L	WW.M006-29L-9L
WW.M006-30L-5L	WW.M006-30L-6L	WW.M006-30L-7L	WW.M006-30L-8L	WW.M006-30L-9L

5	6	7	8	9
WW.M006-22R-5L				
WW.M006-23R-5L				
WW.M006-24R-5L				
WW.M006-25R-5L	WW.M006-25R-6L	WW.M006-25R-7L	WW.M006-25R-8L	WW.M006-25R-9L
WW.M006-26R-5L	WW.M006-26R-6L	WW.M006-26R-7L	WW.M006-26R-8L	WW.M006-26R-9L
WW.M006-27R-5L	WW.M006-27R-6L	WW.M006-27R-7L	WW.M006-27R-8L	WW.M006-27R-9L
WW.M006-28R-5L	WW.M006-28R-6L	WW.M006-28R-7L	WW.M006-28R-8L	WW.M006-28R-9L
WW.M006-29R-5L	WW.M006-29R-6L	WW.M006-29R-7L	WW.M006-29R-8L	WW.M006-29R-9L
WW.M006-30R-5L	WW.M006-30R-6L	WW.M006-30R-7L	WW.M006-30R-8L	WW.M006-30R-9L

# **Spare Spectra Sock**

REF	Product
WW.700-SS001	WillowWood Spectra Sock White
WW.700-SS002	WillowWood Spectra Sock Black

Other versions of this foot cosmes is in the colors tan or medium brown are available as special order items with REF WW.FS01-X.



WW.DWF-XXXX-X



3 Heel Inserts Included

#### 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.









# Technician's Tip:



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

#### **Technical Data**

Weight of Foot/g	539 (Sz. 26, Adapter Included)
Weight Limit/kg	160
Available Foot Sizes/cm	23 - 30
System Height/mm	54.7
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**

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-23LB	23	Left
WW.FSDW-24LB	24	Left
WW.FSDW-25LB	25	Left
WW.FSDW-26LB	26	Left
WW.FSDW-27LB	27	Left
WW.FSDW-28LB	28	Left
WW.FSDW-29LB	29	Left
WW.FSDW-30LB	30	Left

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

# **Optional Accessories**

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

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

REF	Product
WW.700-SS001	WillowWood Spectra Sock White
WW.700-SS002	WillowWood Spectra Sock Black

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



#### WW.SFP-XXXX-XX





Cutaway Model





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

### 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.













#### **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-22RB-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	В	B = Buff
Toe Resistance Categories	3	2 = Low 3 = Regular 4 = High
Heel Height	Ĺ	L = 10 mm

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



### 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.







#### **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

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

# 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



## **Foot Pyramid Adapter**

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

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

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includ (Screws)	les	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

Cutaway Model WW.SAF-XXXX-XX



# Technician's Tip:



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

### **◆** 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.



#### **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** 

Select the required hardness for the anterior and posterior deflection bumper (2 & 3):

2 3

**Anterior Deflection Bumper** 

3

**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-26LB-2L	Single Axis Foot Ordering Example
Model	SAF	SAF = Single Axis Foot (Without Joint)
Foot Size	26	22 - 31 cm
Side		L = Left R = Right
Color	B	B = Buff
Toe Resistance Categories	2	2 = Low 3 = Regular 4 = High
Heel Height	Ĺ	L = 10 mm

### 2: Select the Anterior Deflection Bumper

REF	Position	Hardness	Color
WW.SAF-00128	Anterior	Soft	blue
WW.SAF-00132	Anterior	Medium	black
WW.SAF-00134	Anterior	Firm	white

### **3: Select the Posterior Deflection Bumper**

REF	Position	Hardness	Color
WW.SAF-00140	Posterior	Soft	yellow
WW.SAF-00142	Posterior	Medium	green
WW.SAF-00144	Posterior	Firm	red

#### 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 tan or medium brown are available as special order items with REF WW.SAA-X.



WW.IMPM-XXXX-XX





### 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 and a screw M10 x 43 are included in delivery.

The Impulse foot has a high weight limit of up to 160 kg.















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

#### **Technical Data**

Weight of Foot/g	453 (Sz. 26)
Weight Limit/kg	160 (Symes Version 115)
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

### **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 1
141 - 160	7 = Heavy Duty 2

#### **Required Components for the Impulse Foot**

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

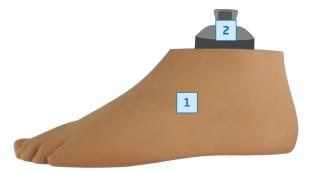
1 Choose the right model, foot size, side and toe resistance:

#### **Impulse Foot**

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

#### **Impulse Ankle**

Alternatively, select one of the other suitable adapters. If you decide to use the pyramid adapter, the Impulse Foot Spacer Block (REF WW-2LTC-1210) can be installed between the foot and the pyramid adapter to make the adapter more accessible for possible adjustments.



#### **Alternative Adapter**

#### 1: Select an Impulse Foot

The following specifications are needed to order an Impulse Foot:

	WW.IMPM-26LB-4L	Impulse Foot Ordering Example				
Model	IMPM	IMPM = Impulse Foot				
Foot Size	26	22 - 31 cm				
Side		L=Left R=Right				
Color	В	B = Buff				
Toe Resistance Categories	4	1 - 7				
Heel Height	Ĺ	L = 10 mm				

#### 2: Select a Matching Ankle

REF	Product	Scope of Delivery
WW.IMPA-R	Impulse Ankle up to 68kg Red	Incl. Screw M10 x 32
WW.IMPA-B	Impulse Ankle 69-86kg Blue	Incl. Screw M10 x 32
WW.IMPA-Y	Impulse Ankle 87-104kg Yellow	Incl. Screw M10 x 32
WW.IMPA-G	Impulse Ankle 105-122kg Green	Incl. Screw M10 x 32
WW.IMPA-K	Impulse Ankle 123-140kg Black	Incl. Screw M10 x 32
WW.IMPA-W	Impulse Ankle 141-160kg White	Incl. Screw M10 x 32

#### 3: Alternative Adapters

REF	Product	Scope of Delivery
WW.2LTC-1208	Foot Pyramid f.Impulse Foot Ti	-
WW.700-435	Impulse Transfer Block	-
WW.2LTC-1210	Impulse Foot Spacer Block	Incl. Screw M10 x 68

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

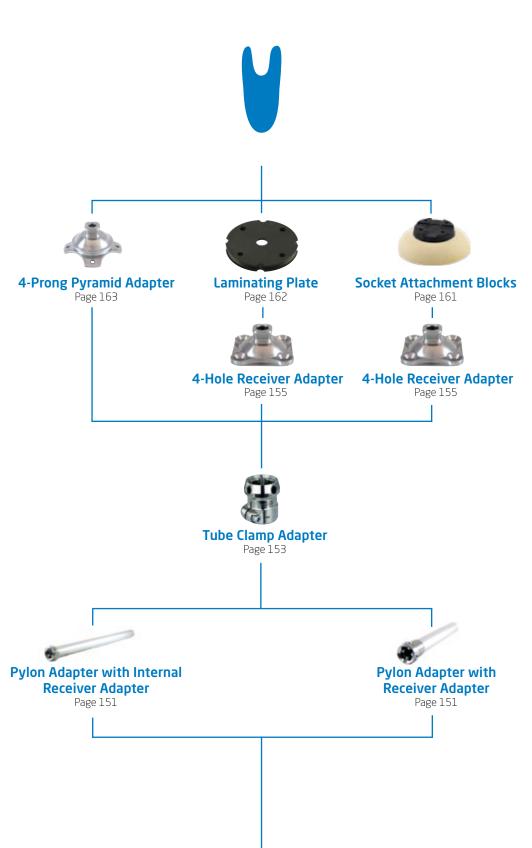
# **Modular Adapters**



#### Configuration Options BK-Prosthesis (TT)

#### **Adapter Weights:**

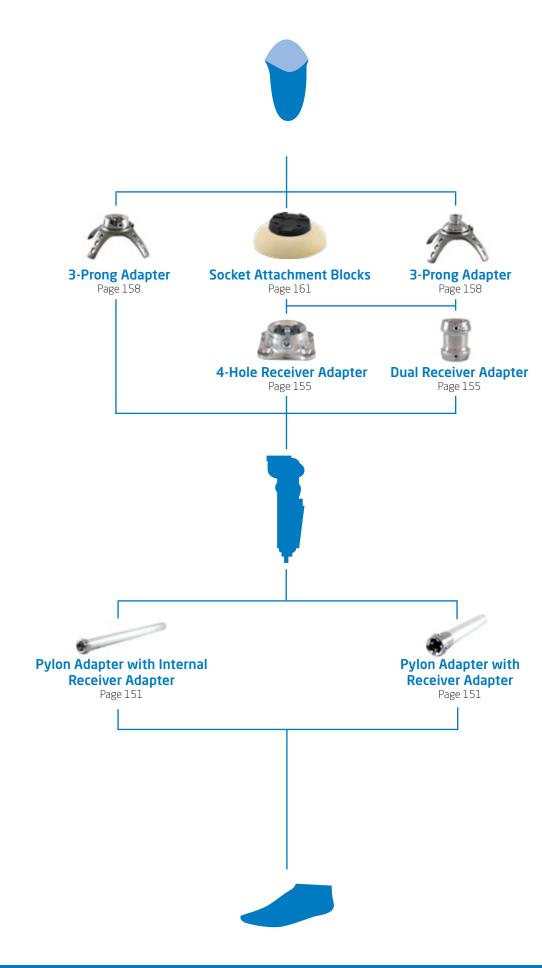
Adapter weights are given in grams. The listed weights refer to the weight of the adapter including the required screws. These screws are either already installed on the adapter (e.g. dual adapter REF AP.TI-145D, including 8 hex screws) or included with the adapter (e.g. 4-hole adapter with pyramid REF AP.TI-425BH, 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-Prosthesis (TF)



#### Technician's Tip:



A wide range of adapters that can be used for more complicated cases are available in addition to the standard adapters.

#### **Material Versions**

Wilhelm Julius Teufel GmbH 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 30 mm pylon systems.

#### **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.

#### **Waterproof Adapters**



Many adapters are also available as a waterproof version. See chapter "Waterproof Adapters", starting on page 203 for more information.

\* 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.



AP.TI-10TC/AP.TI-17TC/ AP.SS-10TC/AP.SS-17TC





**Receiver Adapter** 

Internal Receiver

#### Pylon Adapters

# • Pylon Adapter with Receiver Adapter

Pylon adapter Ø 30 mm, titanium or stainless steel, partly available in a long or short version, 2 different weight limit categories, with receiver adapter.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includ (Screws)	les	Torque
AP.TI-10TC	268	230	166	Titanium	DIN 913 DIN 913	4x M8 x 16 2x M8 x 12	15 Nm 15 Nm
AP.TI-17TC	446	349	166	Titanium	DIN 913 DIN 913	4x M8 x 16 2x M8 x 12	15 Nm 15 Nm
AP.SS-10TC	268	278	136	Stainless Steel	DIN 913 DIN 913	4x M8 x 16 2x M8 x 12	15 Nm 15 Nm
AP.SS-17TC	446	394	136	Stainless Steel	DIN 913 DIN 913	4x M8 x 16 2x M8 x 12	15 Nm 15 Nm



AP.TI-10TC-I/AP.TI-17TC-I

# • Pylon Adapter with Internal Receiver Adapter

Titanium Pylon Adapter, Ø 30 mm, short or long version, with internal receiver adapter.







Receiver Adapter

**Internal Receiver** Adapter

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includ (Screws)	les	Torque
AP.TI-10TC-I	276	235	166	Titanium	DIN 913 DIN 913	4x M8 x 16 2x M8 x 12	15 Nm 15 Nm
AP.TI-17TC-I	455	354	166	Titanium	DIN 913 DIN 913	4x M8 x 16 2x M8 x 12	15 Nm 15 Nm



#### AP.TI-110LONG

#### Pylon Connector

Pylon connector, 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 Includ (Screws)	les	Torque
AP.TI-110LONG	19/Total Length 97	113	166	Titanium	DIN 913 DIN 913	4x M8 x 16 2x M8 x 12	15 Nm 15 Nm



#### AP.TI-112-P-W

#### • Pylon Connector

Pylon connector, 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)
AP.TI-112-P-W	16/Total Length 60	88	166	Titanium	Without Screws



#### AP.AL-1XT2

#### Aluminum Tubes

 $\emptyset$  30 mm, 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	Without Screws
AP.AL-17T2	430	284	166	Aluminum	Without Screws



#### AP.TI-100C-FL/AP.SS-100C-FL

# **◆ Tube Clamp Adapters**

Tube clamp adapter,  $\emptyset$  30 mm, made of titanium or stainless steel, 2 different weight limit categories. Available with three different weight limits.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.TI-100C-FL	46	82	166	Titanium	DIN 913 DIN 913 DIN 912 12.9	4x M8 x 16 2x M8 x 12 1x M5 x 20	15 Nm 15 Nm 9 Nm
AP.SS-100C-FL	44	136	136	Stainless Steel	DIN 913 DIN 913 DIN 912 12.9	4x M8 x 16 2x M8 x 12 1x M5 x 20	15 Nm 15 Nm 9 Nm



#### AP.TI-105C

# • Offset Tube Clamp Adapter

Titanium tube clamp adapter with pyramid receiver and 5 mm offset.



REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includ (Screws)	les	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



# • Tube Clamp Adapter, with Pyramid

Titanium tube clamp adapter  $\emptyset$  30 mm, with pyramid.

AP.TI-120P

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includ (Screws)	des	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

#### ◆ 4-Hole Adapters

# • 4-Hole Pyramid Receiver and 4-Hole Pyramid

4-hole receiver adpater, titanium or stainless steel, with pyramid receiver or pyramid, 2 different weight limits.



AP.TI-425BH/AP.SS-425BH

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 M8 x 16 2x M8 x 12 4x M6 x 20	15 Nm 15 Nm
AP.TI-425BH	8	57	166	Titanium	DIN 7991 10.9	4x M6 x 20	
AP.SS-450BF	18	130	136	Stainless Steel	DIN 913 DIN 913 DIN 7991 10.9	4x M8 x 16 2x M8 x 12 4x M6 x 20	15 Nm 15 Nm
AP.SS-425BH	7	108	136	Stainless Steel	DIN 7991 10.9	4x M6 x 20	



WW.FND-224120

# • 4-Hole Pyramid Receiver, with Offset

4-hole titanium adapter, axial or diagonal offset.



AP.TI-400A-W



AP.TI-400D-W

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	
WW.FND-224120	9	93	115	Titanium	ISO 10642 A2	4x M6 x 16
AP.TI-400A-W	8	77	166	Titanium	ISO 10642	4x M6 x 20 T6
AP.TI-400D-W	8	79	166	Titanium	ISO 10642	4x M6 x 20 T6



# • 4-Hole Adapter M36, Rotatable, Insert

Titanium 4-hole adapter, rotatable, with pyramid receiver or pyramid.











AP.TI-50FS AP.TI-00MS

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-460TB	10	68	166 Titanium	DIN 7991 10.9 DIN 912 12.9	4x M6x25 1x M5x20 1x Spring Washer M5	15 Nm 9 Nm	
					21.992.903.02 Dummy f.4-Hole Adapter Rotatable		
Combinable with							
AP.TI-50FS	13	51	166	Titanium	DIN 913 DIN 913	4xM8x16 2xM8x12	15 Nm 15 Nm
AP.TI-00MS	6	45	166	Titanium	Without Screws		



# • 4-Hole Adapter M36, Rotatable, Insert

Stainless steel 4-hole adapter, rotatable, with pyramid receiver or pyramid.

AP.SS-460TB







AP.SS-50FS

AP.SS-00MS

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	Steel [	ISO 7991 10.9 DIN 912 12.9	4x M6x25 1x M6x20 1x Spring Washer M6	15 Nm 9 Nm	
					21.992.903.02 Dummy f.4-Hole Adapter Rotatable		
Combinable with							
AP.SS-50FS	13	85	136	Stainless Steel	DIN 913 DIN 913	4x M8 x 16 2x M8 x 12	15 Nm 15 Nm
AP.SS-00MS	6	82	136	Stainless Steel	Without Screws		

#### Dual Adapters



#### • Dual Adapter, Titanium

Dual adapter made from titanium, with pyramid receiver on both ends, available in seven heights.

Titanium							
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 M8 x 12 8x M8 x 16	15 Nm 15 Nm
AP.TI-138D	38	92	166	Titanium	DIN 913 DIN 913	4x M8 x 12 8x M8 x 16	15 Nm 15 Nm
AP.TI-145D	45	119	166	Titanium	DIN 913 DIN 913	4x M8 x 12 8x M8 x 16	15 Nm 15 Nm
AP.TI-152D	52	114	166	Titanium	DIN 913 DIN 913	4x M8 x 12 8x M8 x 16	15 Nm 15 Nm
AP.TI-160D	60	134	166	Titanium	DIN 913 DIN 913	4x M8 x 12 8x M8 x 16	15 Nm 15 Nm
AP.TI-168D	68	126	166	Titanium	DIN 913 DIN 913	4x M8 x 12 8x M8 x 16	15 Nm 15 Nm
AP.TI-175D	75	148	166	Titanium	DIN 913 DIN 913	4x M8 x 12 8x M8 x 16	15 Nm 15 Nm



#### • Dual Adapter, Stainless Steel

Dual adapters made from stainless steel, with pyramid receiver on both ends, available in four heights. .

Stainless Steel									
REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque		
AP.SS-132D	32	136	136	Stainless Steel	DIN 913 DIN 913	4x M8 x 12 8x M8 x 16	15 Nm 15 Nm		
AP.SS-145D	45	167	136	Stainless Steel	DIN 913 DIN 913	4x M8 x 12 8x M8 x 16	15 Nm 15 Nm		
AP.SS-160D	60	193	136	Stainless Steel	DIN 913 DIN 913	4x M8 x 12 8x M8 x 16	15 Nm 15 Nm		
AP.SS-175D	75	235	136	Stainless Steel	DIN 913 DIN 913	4x M8 x 12 8x M8 x 16	15 Nm 15 Nm		



WW.MHD-DE-P



AP.TI-115DM-W

#### **◆** Dual Pyramid Receiver

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	Without Screws
AP.TI-115DM-W	22	116	166	Titanium	Without Screws



#### 3-Prong Adapters

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

3-prong adapter, titanium and stainless steel combined, with pyramid receiver or pyramid adapter.







AP.TI-50FS

AP.TI-OOMS

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	Combinable with									
AP.TI-50FS	13	51	166	Titanium	DIN 913 DIN 913	4x M8 x 16 2x M8 x 12	15 Nm 15 Nm			
AP.TI-00MS	6	45	166	Titanium	Without Screws					



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

3-prong adapter, titanium and stainless steel combined, with pyramid receiver or pyramid adapter.







AP.SS-50FS

AP.SS-00MS

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 M8 x 16 4x M8 x 12	15 Nm 15 Nm
AP.SS-00MS	6	82	136	Stainless Steel	Without Screws		



#### ◆ 4-Prong Adapter

#### • 4-Prong Adapter M36, Rotatable, Internal Thread

Stainless steel 4-prong adapter with pyramid receiver or pyramid.







AP.SS-50FS

AP.SS-00MS

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 M8 x 16 4x M8 x 12	15 Nm 15 Nm	
AP.SS-00MS	6	82	136	Stainless Steel	Without Screws			



# 4-Prong Adapter

Titanium 4-prong adapter with pyramid.

#### AP.TI-740L/AP.SS-740L

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes
AP.TI-740L	14	71	166	Titanium	Lamination Dummy
AP.SS-740L	14	128	136	Stainless Steel	Lamination Dummy



# 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





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, incl. laminating dummy REF 21.992.903.01









REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includ (Screws)	es	Torque
21.992.100.00	8	50	150	Aluminum	DIN 7991 10.9 DIN 912 10.9	4x M6 x 12 2x M6 x 12	9 Nm 9 Nm
						aling Grease Stick Wax, Dummy , Dummy for Laminating Plate	
<b>Optional Accessorie</b>	esr						
REF	Product						
21.992.000.10	Sealing Wax 5g						
21.992.903.01	Dummy f.4-Hole	Dummy f.4-Hole Adapter					







#### 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, incl. laminating dummy REF 21.992.903.01.











REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includ (Screws)	les	Torque
21.992.101.00	8	50	166	Aluminum	ISO 10642 DIN 912	4x M6 x 12 A4 2x M6 x 12 A4	9 Nm 9 Nm
					0	ealing Grease Stick Wax, Dummy r, Dummy for Laminating Plate	
Optional Accessorie	es						
REF	Product						
21.992.000.10	Sealing Wax 5g						
21.992.903.01	Dummy f.4-Hole	Dummy f.4-Hole Adapter					



WW.700-200

#### Socket Attachment Block

Adapters for foaming or laminating into the prosthetic socket, with a distal 4-hole connector and a proximal connection surface made of hard foam or plastic.









	1000
500	

WW.700-250

REF	System Height/mm	Weight/g	Weight Limit/ kg	Material	Delivery Includes (Screws)	5	Torque
WW.700-200	20	124	115	Plastic/ Rigid Foam	ISO 10642 10.9 DIN 912 12.9	4x M6 x 16 4x M6 x 16	12 Nm
WW.700-250	16	67	160 / Act. 1-3 136 / Act. 1-4	Plastic	ISO 10642 10.9 DIN 912 12.9	4x M6 x 16 4x M6 x 16	12 Nm

# **◆ 4-Hole Laminating Plate**



AP.AL-CPF-400

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 Includ (Screws)	les	Torque
AP.AL-CPF-400	16	139	136	Aluminum	DIN 7991 10.9	4x M6 x 20 4x M6 x 16	15 Nm 15 Nm
					21.992.903.02 D	ummy f.4-Hole Adapter	



### 4-Prong Laminating Adapter

Titanium 4-prong adapter with pyramid.

AP.TI-740L/AP.SS-740L

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes
AP.TI-740L	14	71	166	Titanium	Without Screws, Lamination Dummy
AP.SS-740L	14	128	136	Stainless Steel	Without Screws, Lamination Dummy





# **◆ Slide Adapter**

Rotating titanium slide adapter. Slide range from center is  $13\,\mathrm{mm}$  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	4xM6x16 4xM6x35	12 Nm 12 Nm



# Sliding Connector

4-hole aluminum sliding adapter, 25 mm slide range.

REF	System Height/mm	Weight /g	Weight Limit/kg	Material	Delivery Includes (Screws)		Torque
AP.AL-4X4-SLIDE	13	156	125	Aluminum	DIN 7991 10.9 DIN 912 12.9 DIN 912 12.9	4x M6 x 16 4x M6 x 16 4x M6 x 20	15 Nm 15 Nm 15 Nm



#### Fitting Alignment Adapter System

Modular fitting alignment system made from titanium. The combination of a maximum of 2 matching adapters is permissible.

⚠ The fitting alignment system may only be used in the workshop as part of the fitting for position optimization!











Configuration Example

Configuration Example

Configuration Example

Configuration Example

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Include (Screws)	es	Torque
AP.TI-600-SLA-PM	18	88	100	Titanium	DIN 9128.8	1×M6×30	15 Nm
AP.TI-615-SLA-CF	18	102	100	Titanium	DIN 913 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	4xM8x16 4xM8x12	15 Nm 15 Nm
AP.TI-640-SLA-PF	20	91	100	Titanium	DIN 913	2×M8×12	15 Nm
AP.TI-650-SLA-RM	17	99	100	Titanium	DIN 913 DIN 913 ISO 10642 10.9	4x M8 x 16 2x M8 x 12 1x M6 x 16	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



CD.106 (for fitting purposes only)

# Alignment Coupler for Fittings

Aluminum alignment coupler with two planes. 16 mm offset for ML and AP.

⚠ This alignment coupler may only be used at the workshop during fittings, while optimizing limb positioning!













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REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Include: (Screws)	S	Torque
CD.106	24 mm	230	120	Aluminum	DIN 912 8.8 ISO 10642 10.9 ISO 10642 10.9		5 Nm 10 Nm 10 Nm

# **Connection Plates**





AP.AL-4XX-FLPL



Aluminum flexion plates, with 4-hole pattern on both sides. Available with four different tilt angles.

Offset is 60 mm, for all tilt angles.



Example, Version with 5° Tilt Angle



REF	Tilt Angle/°	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includ (Screws)	es	Torque
AP.AL-405-FLPL	5	17	173	100	Aluminum	DIN 912 10.9 DIN 7991 10.9 DIN 912 10.9	2x M6 x 14 4x M6 x 35 8x M6 x 14	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 M6 x 14 4x M6 x 35 8x M6 x 14	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 M6 x 14 4x M6 x 35 8x M6 x 14	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 M6 x 14 4x M6 x 35 8x M6 x 14	15 Nm 15 Nm 15 Nm
Optional Accessori	nal Accessories Product				Delivery Includ (Screws)	es	Torque	
AP.AL-SCREWSET	Screw Set f.Flexion Plate				DIN 7991 10.9 DIN 912 10.9	4x M6 x 35 2x M6 x 14	15 Nm 15 Nm	

WW.FND-135105





WW.FND-135107



#### • Flexion Plate

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.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includ (Screws)	les	Torque
WW.FND-135105	10	54	115	Aluminum	ISO 10642 A2 ISO 10642 A2	4x M6 x 16 4x M6 x 10	12 Nm 12 Nm
WW.FND-135107	10	54	115	Aluminum	ISO 10642 A2 ISO 10642 A2	4x M6 x 16 4x M6 x 10	12 Nm 12 Nm



AP.AL-4XX-OS

#### Offset Plate

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 Includ (Screws)	es	Torque
AP.AL-409-0S	9	7.5	82	100	Aluminum	DIN 912 10.9 DIN 7991 10.9	4x M6 x 12 4x M6 x 16	15 Nm 15 Nm
AP.AL-413-0S	13	7.5	88	100	Aluminum	DIN 912 10.9 DIN 7991 10.9	4x M6 x 12 4x M6 x 16	15 Nm 15 Nm
AP.AL-419-0S	19	7.5	94	100	Aluminum	DIN 912 10.9 DIN 7991 10.9	4x M6 x 12 4x M6 x 16	15 Nm 15 Nm
AP.AL-425-0S	25	7.5	99	100	Aluminum	DIN 912 10.9 DIN 7991 10.9	4x M6 x 12 4x M6 x 16	15 Nm 15 Nm



# Sliding Connector

4-hole aluminum slide adapter, 25 mm slide range.

REF	System Height/mm	Weight /g	Weight Limit/kg	Material	Delivery Includ (Screws)	es	Torque
AP.AL-4X4-SLIDE	13	156	125	Aluminum	DIN 7991 10.9 DIN 912 12.9 DIN 912 12.9	4x M6 x 16 4x M6 x 16 4x M6 x 20	15 Nm 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-136146

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includ (Screws)	les	Torque
AP.TI-125P	18	74	166	Titanium	DIN 913 DIN 913	4x M8 x 16 2x M8 x 12	15 Nm 15 Nm
WW.FND-136124	24	79	136	Titanium	DIN 913	4x M8 x 16	15 Nm
WW.FND-136146	46	96	136	Titanium	DIN 913	4x M8 x 16	15 Nm



WW.700-300/WW.700-375



Application Example

	Sp	acer	P	late
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4-hole spacer plate made of plastic 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.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	Torque
WW.700-300	3.2	10	115	Plastic	4x M6 x 20	12 Nm
WW.700-375	9.5	12	115	Plastic	4x M6 x 25	12 Nm



#### Spacer Plate

4-hole spacer plates made from aluminum, for increasing system height. The spacer plates can e.g. be positioned between a 4-hole adapter and a knee joint or socket attachment block.

REF	System Height/mm	Weight /g	Weight Limit/kg	Material	Scope of Delivery
AP.AL-416B	2	7	100	Aluminum	No Screws Included
AP.AL-420B	3	10	100	Aluminum	No Screws Included

#### 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 spare screws accordingly. The screws are sold individually.

# 70.720.812.04



#### • Spare Set Screws for Modular Adapters

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waterproof

REF	Product	Material	PU
70.720.812.04	Set Screw DIN913 M8x12 A4	Stainless Steel	1
70.720.816.04	Set Screw DIN913 M8x16 A4	Stainless Steel	1



70.488.620.06

70.717.520.06



70.717.514.06



70.717.620.06

#### • Spare Screws for Modular Adapters

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	PU
70.488.620.06	Flat Head Screw IS010642 M6x20 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





RB.INTUY-1B

#### ◆ Intuy® Knee

The Intuy Knee is part of a new generation of microprocessor controlled knee joints with active, motor-driven support. It offers the user a multitude of significant benefits.

The Intuy Knee features microprocessor control which is based on a large number of sensors within the joint. Changes in movement are detected in real time by the joint and then processed via artificial intelligence. The Intuy Knee is able to actively replace missing muscle activity.

#### **Considerable Benefits**

Different from passive electronic joints, this joint not only offers control of the joint, but rather motor-driven, auto-adaptive motion support. This results in significant benefits for the user:

- Active extension of the knee support when standing up
- Active cushioning of the knee support when sitting down
- Active lifting of the lower leg when climbing stairs step-over-step
- Maximum safety thanks to active trip detection and adjustability of ground clearance
- Longer walking distances with reduced energy expenditure

Since swing-through of the prosthesis is supported by a motor, the energy required by the user while walking is reduced. This also reduces the stress on the contralateral side.

#### Our service for you. Before, during and after purchase.

The Intuy Knee is a European product. Built in the Netherlands, the entire sales process and services are carried out directly by the Wilhelm Julius Teufel GmbH.

Before using the joint, you will benefit from our training concept. We want to ensure that you can make the most of the joint's potential for your users.

When using the Intuy Knee, our experienced field service team of master orthopedic technicians will be there to support you. If desired, our field service will also support you during fitting.

After purchasing the Intuy Knee, you will have a direct contact person for all service questions in our team. During service intervals, a replacement joint will be available to you, to ensure a seamless process for your user.

#### **Indication and Activity Level**

The Intuy Knee can be used for AK and knee disarticulation amputees. It can be used for almost all residual limb lengths. Due to the active support, users with a short residual limb profit especially from using this joint.

Activity level and mobility levels: 2 to 4



#### **Technical Data**

The Intuy Knee has been tested according to DIN EN ISO 10328, and has a weight limit of 125 kg.

REF	Product	Construction Height/mm	Weight/g	Max. Flexion	Recommended User Height
RB.INTUY-1B	Intuy Knee Joint	255	2400	120°	1.20 to 1.95 m

Standby Battery	Battery Range	<b>Charge Time Battery</b>	Max. Support
44 h	22 km	2h	100 Nm

#### **Included in Delivery**

Intuy Knee Joint with cover, incl. battery charger, hexagon socket wrench and USB stick. Warranty 2 years.

<b>Optional Accessories</b>	
REF	Product
RB.INTUY-CHR	Intuy Knee Battery Charger
RB.INTUY-CVR	Intuy Knee Cover Transparent
RB.INTUY-CVR-BK	Intuy Knee Cover Black
RB.INTUY-5Y	Intuy Knee Warranty Extension to 5 Years
RB.INTUY-6Y	Intuy Knee Warranty Extension to 6 Years



# **Knee Joints**



Recommended Activity Level	Weight Limit 100 kg			Weight Limit 125 kg			
3-4							
3			KnieAgil® P44c Page 191				
2-3		KnieAgil® WLD31 Page 201	031			KnieAgil® SL2 Page 188	
2	KnieAgil® LD31 Page 186	waterproof		KnieAgil® S20 Page 184	KnieAgil® L30 Page 185		
1-2							

1



Recommended Activity Level 3-4	Weight Limitt 80 kg	Weight Limit 100 kg	Weight Limit 125 kg	
3-4				
3				
	Teh Lin 4-Axis Knee Joint Mini Page 196	Teh Lin Pneumatic Knee Joint, Knee-Disart. Page 197	Teh Lin 4-Axis Knee Joint Page 195	Teh Lin 4-Axis Knee Joint RM Page 194
			3	
2-3			6	
		U		
2				
1-2				
1.2				
1				







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.











KA.S20



REF	Product	Total Length/mm	Weight/g	Max. Flexion	Weight Limit/kg	Scope of Delivery
KA.S20	KnieAgilS20 Kn.Joint w/ Brake Monocentr.	75	533	140°	125	Inkl. Extension Assist Cable
Optional Accessories	5					
21.989.001.00	Foam Cover AK M1					
KA.AG026P	Release Cable w/Elastic Pull f.KA.S20					
KA.MISC	KnieAgil Spare Parts N	on-Standard				

# Technician's 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	Scope of Delivery	
KA.L30	KnieAgil L30 4-Axis Knee Joint w/ Lock	135	630	145°	125	Incl. Release Cable	
Optional Accessories	5						
21.989.001.00	Foam Cover TF M1						
KA.AE001-2P	Release Cable f.KA.L30	Release Cable f.KA.L30/LD31x/WLD31x/WLH51					
KA.AG034	KnieAgil Rubber Cap						
KA.MISC	KnieAgil Spare Parts N	lon-Standard					



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 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 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 and Release Cable	
Required Accessorie	es, Select a Proxima	l Adapter					
KA.KPA-10A	Pyramid Adapter f.k	(A.LD31					
KA.KPA-SET-03-11	Set Lamin.Anchor v	v/ Adapter f.KA.LD31					
KA.KPA-22	Threaded Connecto	or f.KA.LD31					
<b>Optional Accessorie</b>	S						
21.989.001.00	Foam Cover AK M1						
KA.AG035	Damper f.KA.LD31>	/KA.WLD31x/KA.P41					
KA.AE001-2P	Release Cable f.KA.	L30/LD31x/WLD31x/	WLH51				
KA.EA073	Spring Soft f.KA.LD	31x/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						
KA.AG034	KnieAgil Rubber Ca	Р					
KA.MISC	KnieAgil Spare Part	s Non-Standard					













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.

The proximal joint 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.

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. Ad- ditional Spring KA.EA073 and Release Cable		
Required Accesso	ries, Select a Proxi	mal Adapter						
KA.KPA-46S	Pyramid Adapter f.l	KA.WLD31s						
KA.KPA-47S	Threaded Connecto	or f.KA.WLD31s						
Optional Accesso	ries							
21.989.001.00	Foam Cover AK M1							
KA.AE001-2P	Release Cable f.KA	L30/LD31x/WLD31x/	WLH51					
KA.EA073	Spring Soft f.KA.LD	31x/KA.WLD31x						
KA.EA094	Spring Medium f.K.A	A.WLD31/KA.WLD31s						
KA.EA074	Spring Hard f.KA.LE	Spring Hard f.KA.LD31x/KA.WLD31x						
KA.LD31s-Cover	Knee Cover f. KA.LD31s							
KA.AG035	Damper f.KA.LD31x/KA.WLD31x/KA.P41							
KA.AG034	KnieAgil Rubber Ca	KnieAgil Rubber Cap						
KA.MISC	KnieAgil Spare Part	s Non-Standard						



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



KA.KPA-46S



KA.KPA-47S



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 Accessor	ries							
21.989.001.00	Foam Cover AK M1							
KA.AE001-3P	Release Cable f.KA.	SL2						
KA.EA104	Spring f.KA.SL2 Ha	rd						
KA.SL2-Cover	Knee Cover f. KA.SL2							
KA.AG035	Damper f.KA.LD31x	Damper f.KA.LD31x/KA.WLD31x/KA.P41						
KA.MISC	KnieAgil Spare Part	s Non-Standard						

# Technician's Tip:



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



## KnieAgil® PS21

The KnieAgil 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 KnieAgil PS21 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	KnieAgil PS21 Knee Joint	226	892	145°	125	
Optional Accessories	5					
21.989.001.00	Foam Cover AK M1					
KA.MISC	KnieAgil Spare Parts Non-Standard					



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 Accessorie	s, Select a Proximal Ad	lapter:				
KA.KPA-33A	Pyramid Adapter f.KA.F	P41				
KA.KPA-SET-03-34	Set Lamin.Anchor w/ A	Adapter f.KA.P41				
KA.KPA-21	Threaded Connector f.	KA.P41				
Optional Accessories	5					
21.989.002.00	Foam Cover AK M2					
KA.EA045	Spring Medium f.KA.P41					
KA.MISC	KnieAgil Spare Parts N	on-Standard				



Recommended Alignment Reference Line:



KA.KPA-33A



KA.KPA-21



KA.KPA-SET-03-34





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	
Optional Accessories	5					
21.989.002.00	Foam Cover AK M2					
KA.MISC	Knie Agil Spare Parts Non-Standard					

# Technician's 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	
<b>Optional Accesso</b>	ries						
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 Flexic	n f.KA.PF50/KA.R1					
KA.R1-COVER	Knee Cover f.KA.R1						
KA.AG042	Damper Green f.KA.R1 PU: 2pcs						
KA.MISC	KnieAgil Spare Parts N	Non-Standard					





OE.2SR50X



Also available in black.

#### Sensor Knee

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.











REF	Product	Total Length/mm	Weight/g	Max. Flexion	Weight Limit/kg	
0E.2SR500	Sensor Knee Joint Silver	276	1141	120°	125	
0E.2SR502-BLK	Sensor Knee Joint Black	276	1141	120°	125	
Optional Accessories	5					
21.989.003.00	Foam Cover AK M3					
AP.TI-110LONG	Pylon Connector Pyr.Red	ceiver Height 19 166kg	Ti W			
AP.TI-112-P-W	Pylon Connector Pyrami	Pylon Connector Pyramid Height 16 166kg Ti Wp				
AP.TI-115DM-W	Dual Adapter Pyramid Height 22 166kg Ti Wp					
WW.MHD-DE-P	Dual Pyramid Adapter H	Dual Pyramid Adapter Height 15 166kg Ti				

# Technician's Tip:





WW.MHD-DE-P







AP.TI-112-P-W

AP.TI-110LONG



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	
<b>Optional Accessories</b>	5					
21.989.001.00	Foam Cover AK M1					
21.832.231.00	Extension Stop f. 21.106.000.00&21.192.000.00					
21.826.000.01	TehLin Spare Parts No	n-Standard				



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



## **◆** 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.









21.104.000.01

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, Inkl. Screw Set 4x DIN 912 M6x12
Optional Accesso	ries					
21.989.001.00	Foam Cover AK M1					
21.365.000.00	Extension Stop f.23	1.104.000.01				
21.561.000.00	Knee Cover f.21.104.000.01					
21.826.000.00	TehLin Screw Kit					
21.826.000.01	TehLin Spare Parts Non-Standard					



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



#### 21.692.000.00

# TehLin Mini 4-Axis Knee Joint

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 Accessor	ries					
21.989.001.00	Foam Cover AK M1					
21.561.004.00	Knee Cover f.21.692.000.00					
21.826.000.00	TehLin Screw Kit					
21.826.000.01	TehLin Spare Parts Non-Standard					

# Technician's Tip:



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 kneedisarticulated 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.

The knee joint comes with a steel L-bracket socket adapter, 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-Bracklet Socket Adapter, Incl. Screw Set 4x DIN 7991 M6x12, Incl. Screw Set 4x DIN 912 M6x12	
Optional Accessor	ries						
21.989.002.00	Foam Cover AK M2						
21.185.000.00	TehLin L-Bracket Socket Adapter VA						
21.561.002.00	Knee Cover f.21.10	Knee Cover f.21.105.000.00					
21.826.000.01	TehLin Spare Parts	Non-Standard					



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



21.185.000.00

# **Waterproof Knee Joints**





#### KA.WLH51

## KnieAgil® WLH51

The WLH51 is a waterproof hydraulic joint with a lock. The lock can be released with a cable and automatically activates in extension. It is also possible to use the lock temporarily or permanently deactivate it.

The hydraulic swing phase control ensures a harmonious gait pattern. Extension and flexion damping can be adjusted continuously. The additional extension spring can also be adjusted and supports the extension initiation of the hydraulics.

The WLH51 has a very low construction height, which means that it can be easily combined with feet with a higher construction height.

The included knee joint cover protects the joint and provides cushioning when kneeling.

















REF	Product	Total Length/mm	Weight/g	Max. Flexion	Weight Limit/kg	Scope of Delivery		
KA.WLH51	KnieAgil WLH51 1-Axis Knee Joint Hydr.w/ Lock Wp	239	590	145°	125 / Akt. 1-2 100 / Akt. 3	Incl. Knee Cover KA.WLH51-Cover and Release Cable		
<b>Optional Accessorie</b>	S							
KA.AE001-2P	Release Cable f.KA.	Release Cable f.KA.L30/LD31x/WLH51						
KA.WLH51-Cover	Knee Cover f. KA.WLH51							
KA.MISC	KnieAgil Spare Parts Non-Standard							



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 and Release Cable
Required Accessories	s, Select a Proximal	Adapter				
KA.KPA-10AS	Pyramid Adapter f.k	(A.WLD31				
KA.KPA-SET-03-11S	Set Lamin.Anchor w/ Adapter KA.WLD31					
KA.KPA-20S	Threaded Connecto	or f.KA.WLD31				
<b>Optional Accessories</b>	5					
KA.AE001-2P	Release Cable f.KA.	L30/LD31x/WLD31x/	WLH51			
KA.EA073	Spring Soft f.KA.LD	31x/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					
KA.AG035	Damper f.KA.LD31x/KA.WLD31x/KA.P41					

# Technician's Tip:

KnieAgil Rubber Cap

KnieAgil Spare Parts Non-Standard

KA.AG034

**KA.MISC** 



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



KA.KPA-10AS



KA.KPA-20S







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 WLD31s 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 and Release Cable	
Required Accessori	es, Select a Proxim	al Adapter					
KA.KPA-46S	Pyramid Adapter f.k	(A.WLD31s					
KA.KPA-47S	Threaded Connecto	or f.KA.WLD31s					
Optional Accessorie	es						
KA.AE001-2P	Release Cable f.KA.	L30/LD31x/WLD31x/	WLH51				
KA.EA073	Spring Soft f.KA.LD	31x/KA.WLD31x					
KA.EA094	Spring Medium f.KA	.WLD31/KA.WLD31s					
KA.EA074	Spring Hard f.KA.LD	31x/KA.WLD31x					
KA.WLD31s-Cover	Knee Cover f. KA.WLD31s						
KA.AG035	Damper f.KA.LD31x/KA.WLD31x/KA.P41						
KA.AG034	KnieAgil Rubber Cap						
KA.MISC	KnieAgil Spare Part	KnieAgil Spare Parts Non-Standard					





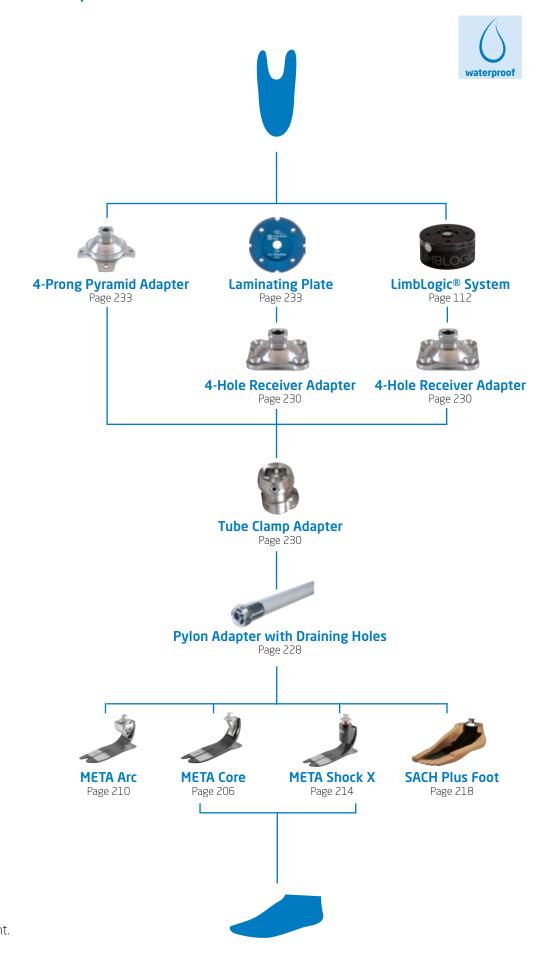
KA.KPA-46S



KA.KPA-47S



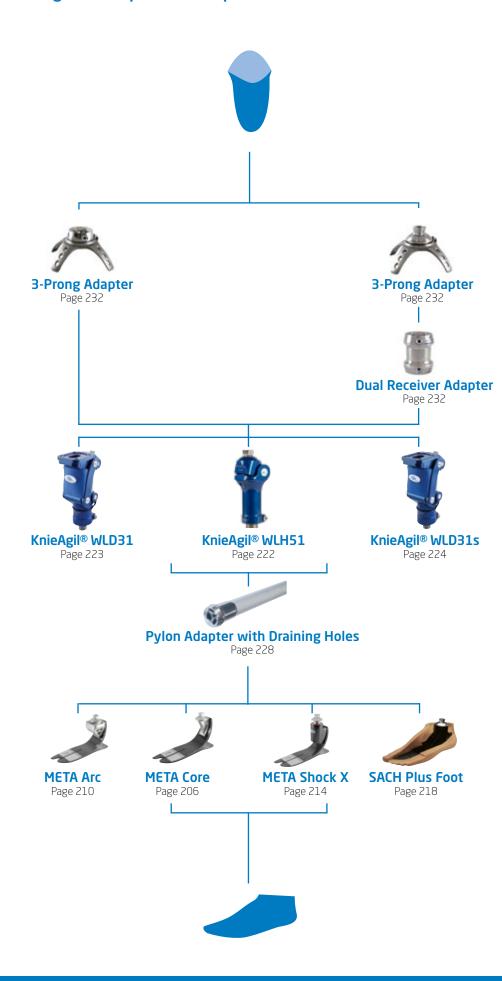
# • Configuration Options Waterproof BK-Prosthesis





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

# • Configuration Options Waterproof BK-Prosthesis







WW.M001-XXX-0X

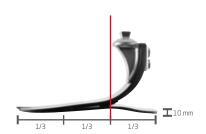
#### META Core

The META Core is a prosthetic foot with a direct pyramid connection. It impresses with its revolutionary unibody design and low contruction height. Like all META Feet, it is waterproof and has a weight limit of 166kg.

The entire carbon foot shank is laminated in a way so it functions as one piece, so no screw connection is needed between the heel and the forefoot spring. Due to this construction without interruption of the power flow in the foot, an energy return of about 95% is achieved.

The foot cosmesis of the META Core is equipped with a slightly abducted big toe, so that sandals with a toe strap can also be worn.





Divide the sagittal plane of the foot into three thirds. The alignment reference line should run through the centerpoint between the two posterior thirds. The alignment reference line is different for each of the three feet.













#### **Technical Data**

Weight of Foot/g	532 (Sz. 26, Cat. 5, incl. Cosmesis and Spectra Sock)
Weight Llmit/kg	166
Available Foot SIzes/cm	22 - 30
System Height*/mm	105
Heel Height/mm	10
Proximal Adapter	Pyramid Adapter
Toe Resistance Categories	1-9

<sup>\*</sup>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 Carbon Foot Shank**

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

Adjusted Body- weight/kg	Low Activity/ Recommended Category		Medium Activity/ Recommended Category		High Activity/ Recommended Category	
	Foot Size 22-24 cm	Foot Size 25-30 cm	Foot Size 22-24 cm	Foot Size 25-30 cm	Foot Size 22-24 cm	Foot Size 25-30 cm
45 - 51	1	1	1	1	2	2
52 - 58	1	1	2	2	3	3
59 - 67	2	2	3	3	4	4
68 - 76	3	3	4	4	5	5
77 - 87	4	4	5	5		6
88 - 99	5	5		6		7
100 - 115		6		7		8
116 - 130		7		8		9
131 - 147		8		9		
148 - 166		9				

## **Required Components for the META Core Foot**

To order a complete META Core Foot, two components have to be selected. (Example: The desired foot is size 26, for the right side. Select foot shank Sz. 26, right and cosmesis Sz. 26, right.)

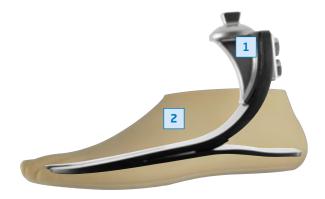
1 First, choose the right category for the foot shank:

#### **META Core Foot Shank**

Now select the size and side of the foot cosmesis.

#### **Foot Cosmesis**

One Spectra Sock is included with every foot cosmesis.



# 1: Select a META Core Carbon Foot Shank, Left

Size	Category						
	1	2	3	4			
22	WW.M001-22L-01	WW.M001-22L-02	WW.M001-22L-03	WW.M001-22L-04			
23	WW.M001-23L-01	WW.M001-23L-02	WW.M001-23L-03	WW.M001-23L-04			
24	WW.M001-24L-01	WW.M001-24L-02	WW.M001-24L-03	WW.M001-24L-04			
25	WW.M001-25L-01	WW.M001-25L-02	WW.M001-25L-03	WW.M001-25L-04			
26	WW.M001-26L-01	WW.M001-26L-02	WW.M001-26L-03	WW.M001-26L-04			
27	WW.M001-27L-01	WW.M001-27L-02	WW.M001-27L-03	WW.M001-27L-04			
28	WW.M001-28L-01	WW.M001-28L-02	WW.M001-28L-03	WW.M001-28L-04			
29	WW.M001-29L-01	WW.M001-29L-02	WW.M001-29L-03	WW.M001-29L-04			
30	WW.M001-30L-01	WW.M001-30L-02	WW.M001-30L-03	WW.M001-30L-04			

# 1: Select a META Core Carbon Foot Shank, Right

Size	Category							
	1	2	3	4				
22	WW.M001-22R-01	WW.M001-22R-02	WW.M001-22R-03	WW.M001-22R-04				
23	WW.M001-23R-01	WW.M001-23R-02	WW.M001-23R-03	WW.M001-23R-04				
24	WW.M001-24R-01	WW.M001-24R-02	WW.M001-24R-03	WW.M001-24R-04				
25	WW.M001-25R-01	WW.M001-25R-02	WW.M001-25R-03	WW.M001-25R-04				
26	WW.M001-26R-01	WW.M001-26R-02	WW.M001-26R-03	WW.M001-26R-04				
27	WW.M001-27R-01	WW.M001-27R-02	WW.M001-27R-03	WW.M001-27R-04				
28	WW.M001-28R-01	WW.M001-28R-02	WW.M001-28R-03	WW.M001-28R-04				
29	WW.M001-29R-01	WW.M001-29R-02	WW.M001-29R-03	WW.M001-29R-04				
30	WW.M001-30R-01	WW.M001-30R-02	WW.M001-30R-03	WW.M001-30R-04				

## 2: Select a Foot Cosmesis

REF	Foot Size/cm	Side
WW.FS01-22LB	22	Left
WW.FS01-23LB	23	Left
WW.FS01-24LB	24	Left
WW.FS01-25LB	25	Left
WW.FS01-26LB	26	Left
WW.FS01-27LB	27	Left
WW.FS01-28LB	28	Left
WW.FS01-29LB	29	Left
WW.FS01-30LB	30	Left

REF	Foot Size/cm	Side
WW.FS01-22RB	22	Right
WW.FS01-23RB	23	Right
WW.FS01-24RB	24	Right
WW.FS01-25RB	25	Right
WW.FS01-26RB	26	Right
WW.FS01-27RB	27	Right
WW.FS01-28RB	28	Right
WW.FS01-29RB	29	Right
WW.FS01-30RB	30	Right

5	6	7	8	9
WW.M001-22L-05				
WW.M001-23L-05				
WW.M001-24L-05				
WW.M001-25L-05	WW.M001-25L-06	WW.M001-25L-07	WW.M001-25L-08	WW.M001-25L-09
WW.M001-26L-05	WW.M001-26L-06	WW.M001-26L-07	WW.M001-26L-08	WW.M001-26L-09
WW.M001-27L-05	WW.M001-27L-06	WW.M001-27L-07	WW.M001-27L-08	WW.M001-27L-09
WW.M001-28L-05	WW.M001-28L-06	WW.M001-28L-07	WW.M001-28L-08	WW.M001-28L-09
WW.M001-29L-05	WW.M001-29L-06	WW.M001-29L-07	WW.M001-29L-08	WW.M001-29L-09
WW.M001-30L-05	WW.M001-30L-06	WW.M001-30L-07	WW.M001-30L-08	WW.M001-30L-09

5	6	7	8	9
WW.M001-22R-05				
WW.M001-23R-05				
WW.M001-24R-05				
WW.M001-25R-05	WW.M001-25R-06	WW.M001-25R-07	WW.M001-25R-08	WW.M001-25R-09
WW.M001-26R-05	WW.M001-26R-06	WW.M001-26R-07	WW.M001-26R-08	WW.M001-26R-09
WW.M001-27R-05	WW.M001-27R-06	WW.M001-27R-07	WW.M001-27R-08	WW.M001-27R-09
WW.M001-28R-05	WW.M001-28R-06	WW.M001-28R-07	WW.M001-28R-08	WW.M001-28R-09
WW.M001-29R-05	WW.M001-29R-06	WW.M001-29R-07	WW.M001-29R-08	WW.M001-29R-09
WW.M001-30R-05	WW.M001-30R-06	WW.M001-30R-07	WW.M001-30R-08	WW.M001-30R-09

# **Spare Spectra Sock**

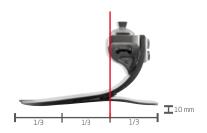
REF	Product
WW.700-SS001	WillowWood Spectra Sock White
WW.700-SS002	WillowWood Spectra Sock Black

Other versions of this foot cosmes is in the colors tan or medium brown are available as special order items with REF WW.FS01-X.



WW.M002-XXX-0X

# Technician's Tip:



Divide the sagittal plane of the foot into three thirds. The alignment reference line should run through the centerpoint between the two posterior thirds. The alignment reference line is different for each of the three feet.



During the static assembly, the ankle has to be positioned in the center of the frontal plane.

#### META Arc

The META Arc is a prosthetic foot with revolutionary design and function. Its most striking feature is the ARC titanium ankle joint with inversion/ eversion mobility. Bearing on two titanium axles, the ankle joint allows permanent adaptation to the ground with a ROM of 20° (inversion 10° / eversion 10°).

The entire carbon foot shank is laminated in a way so it functions as one piece, so no screw connection is needed between the heel and the forefoot spring. Due to this construction without interruption of the power flow in the foot, an energy return of about 95% is achieved.

The foot cosmesis of the META Arc is equipped with a separate big toe, so that sandals with a toe strap can also be worn..







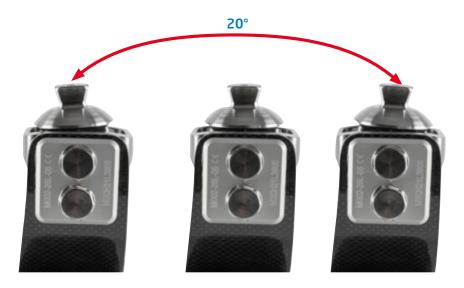




#### **Technical Data**

Weight of Foot/g	738 (Sz. 26, Cat. 5, incl. Cosmesis and Spectra Sock)
Weight Llmit/kg	166
Available Foot Sizes/cm	22 - 30
System Height*/mm	113
Heel Height/mm	10
Proximal Adapter	Pyramid Adapter
Toe Resistance Categories	1-9

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



ROM of Ankle Joint: Inversion 10° / Eversion 10°

## **Ordering Information**

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

## **How to Select a Carbon Foot Shank 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 Bo- dyweight/kg	Low Activity/ Recommended Category				High Activity/ Recommended Category	
	Foot Size 22-24 cm	Foot Size 25-30 cm	Foot Size 22-24 cm	Foot Size 25-30 cm	Foot Size 22-24 cm	Foot Size 25-30 cm
45 - 51	1	1	1	1	2	2
52 - 58	1	1	2	2	3	3
59 - 67	2	2	3	3	4	4
68 - 76	3	3	4	4	5	5
77 - 87	4	4	5	5		6
88 - 99	5	5		6		7
100 - 115		6		7		8
116 - 130		7		8		9
131 - 147		8		9		
148 - 166		9				

## **Required Components for the META Arc Foot**

To order a complete META Arc Foot, two components have to be selected. (Example: The desired foot is size 26, for the right side. Select foot shank Sz. 26, right, and cosmesis Sz. 26, right.)

1 First, choose the right category for the foot shank:

#### **META Arc 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 a META Arc Carbon Foot Shank, Left

Size	Category	Category					
	1	2	3	4			
22	WW.M002-22L-01	WW.M002-22L-02	WW.M002-22L-03	WW.M002-22L-04			
23	WW.M002-23L-01	WW.M002-23L-02	WW.M002-23L-03	WW.M002-23L-04			
24	WW.M002-24L-01	WW.M002-24L-02	WW.M002-24L-03	WW.M002-24L-04			
25	WW.M002-25L-01	WW.M002-25L-02	WW.M002-25L-03	WW.M002-25L-04			
26	WW.M002-26L-01	WW.M002-26L-02	WW.M002-26L-03	WW.M002-26L-04			
27	WW.M002-27L-01	WW.M002-27L-02	WW.M002-27L-03	WW.M002-27L-04			
28	WW.M002-28L-01	WW.M002-28L-02	WW.M002-28L-03	WW.M002-28L-04			
29	WW.M002-29L-01	WW.M002-29L-02	WW.M002-29L-03	WW.M002-29L-04			
30	WW.M002-30L-01	WW.M002-30L-02	WW.M002-30L-03	WW.M002-30L-04			

# 1: Select a META Arc Carbon Foot Shank, Right

Size	Category						
	1	2	3	4			
22	WW.M002-22R-01	WW.M002-22R-02	WW.M002-22R-03	WW.M002-22R-04			
23	WW.M002-23R-01	WW.M002-23R-02	WW.M002-23R-03	WW.M002-23R-04			
24	WW.M002-24R-01	WW.M002-24R-02	WW.M002-24R-03	WW.M002-24R-04			
25	WW.M002-25R-01	WW.M002-25R-02	WW.M002-25R-03	WW.M002-25R-04			
26	WW.M002-26R-01	WW.M002-26R-02	WW.M002-26R-03	WW.M002-26R-04			
27	WW.M002-27R-01	WW.M002-27R-02	WW.M002-27R-03	WW.M002-27R-04			
28	WW.M002-28R-01	WW.M002-28R-02	WW.M002-28R-03	WW.M002-28R-04			
29	WW.M002-29R-01	WW.M002-29R-02	WW.M002-29R-03	WW.M002-29R-04			
30	WW.M002-30R-01	WW.M002-30R-02	WW.M002-30R-03	WW.M002-30R-04			

## 2: Select a Foot Cosmesis

REF	Foot Size/cm	Side
WW.FS01-22LB	22	Left
WW.FS01-23LB	23	Left
WW.FS01-24LB	24	Left
WW.FS01-25LB	25	Left
WW.FS01-26LB	26	Left
WW.FS01-27LB	27	Left
WW.FS01-28LB	28	Left
WW.FS01-29LB	29	Left
WW.FS01-30LB	30	Left

REF	Foot Size/cm	Side
WW.FS01-22RB	22	Right
WW.FS01-23RB	23	Right
WW.FS01-24RB	24	Right
WW.FS01-25RB	25	Right
WW.FS01-26RB	26	Right
WW.FS01-27RB	27	Right
WW.FS01-28RB	28	Right
WW.FS01-29RB	29	Right
WW.FS01-30RB	30	Right

5	6	7	8	9
WW.M002-22L-05				
WW.M002-23L-05				
WW.M002-24L-05				
WW.M002-25L-05	WW.M002-25L-06	WW.M002-25L-07	WW.M002-25L-08	WW.M002-25L-09
WW.M002-26L-05	WW.M002-26L-06	WW.M002-26L-07	WW.M002-26L-08	WW.M002-26L-09
WW.M002-27L-05	WW.M002-27L-06	WW.M002-27L-07	WW.M002-27L-08	WW.M002-27L-09
WW.M002-28L-05	WW.M002-28L-06	WW.M002-28L-07	WW.M002-28L-08	WW.M002-28L-09
WW.M002-29L-05	WW.M002-29L-06	WW.M002-29L-07	WW.M002-29L-08	WW.M002-29L-09
WW.M002-30L-05	WW.M002-30L-06	WW.M002-30L-07	WW.M002-30L-08	WW.M002-30L-09

5	6	7	8	9
WW.M002-22R-05				
WW.M002-23R-05				
WW.M002-24R-05				
WW.M002-25R-05	WW.M002-25R-06	WW.M002-25R-07	WW.M002-25R-08	WW.M002-25R-09
WW.M002-26R-05	WW.M002-26R-06	WW.M002-26R-07	WW.M002-26R-08	WW.M002-26R-09
WW.M002-27R-05	WW.M002-27R-06	WW.M002-27R-07	WW.M002-27R-08	WW.M002-27R-09
WW.M002-28R-05	WW.M002-28R-06	WW.M002-28R-07	WW.M002-28R-08	WW.M002-28R-09
WW.M002-29R-05	WW.M002-29R-06	WW.M002-29R-07	WW.M002-29R-08	WW.M002-29R-09
WW.M002-30R-05	WW.M002-30R-06	WW.M002-30R-07	WW.M002-30R-08	WW.M002-30R-09

# **Spare Spectra Sock**

REF	Product
WW.700-SS001	WillowWood Spectra Sock White
WW.700-SS002	WillowWood Spectra Sock Black

Other versions of this foot cosmesis in the colors  $\tan$  or medium brown are available as special order items with REF WW.FS01-X.

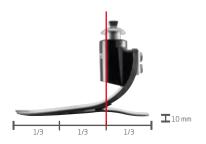
# **META Arc Assembly Aid**

REF	Product
22.050.130.02	META Arc Assembly Aid



WW.M006-XXX-XX

# Technician's Tip:



Divide the sagittal plane of the foot into three thirds. The alignment reference line should run through the centerpoint between the two posterior thirds. The alignment reference line is different for each of the three feet.

#### META Shock X

The META Shock X is a dynamic prosthetic foot that features the uniquely designed carbon foot shank which is characteristic of the META family. The Shock X combines a rotational element with a maximum axial rotation of 40° with a functional shock absorption. The torsion component adapts to gait movement, especially when walking on uneven ground. This also results in less torque being applied to the residual limb.

The entire carbon foot shank is laminated in a way so it functions as one piece, so no screw connection is needed between the heel and the forefoot spring. Due to this construction without interruption of the power flow in the foot, an energy return of about 95% is achieved.

The foot cosmesis of the META Shock X is equipped with a slightly abducted big toe, so that sandals with a toe strap can also be worn.









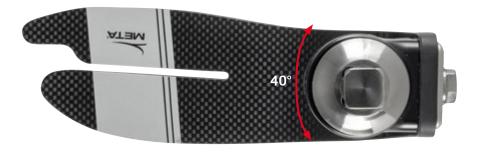




#### **Technical Data**

Weight of Foot/g	720 (Sz. 26, Cat. 5, incl. Cosmesis and Spectra Sock)
Weight Limit/kg	166
Available Foot Sizes/cm	22 - 30
System Height*/mm	138
Heel Height/mm	10
Proximal Adapter	Pyramid Adapter
Toe Resistance Categories	1-9

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



META Shock X: Functional shock absorption and max. 40° rotation.

# **Ordering Information**

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

## **How to Select a Carbon Foot Shank**

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

Adjusted Body- weight/kg	Low Activity/ Recommended Category		Medium Activity/ Recommended Category		High Activity/ Recommended Category	
	Foot Size 22-24 cm	Foot Size 25-30 cm	Foot Size 22-24 cm	Foot Size 25-30 cm	Foot Size 22-24 cm	Foot Size 25-30 cm
45 - 51	1	1	1	1	2	2
52 - 58	1	1	2	2	3	3
59 - 67	2	2	3	3	4	4
68 - 76	3	3	4	4	5	5
77 - 87	4	4	5	5		6
88 - 99	5	5		6		7
100 - 115		6		7		8
116 - 130		7		8		9
131 - 147		8		9		
148 - 166		9				

## **Required Components for the META Shock X Foot**

To order a complete META Shock X Foot, two components have to be selected. (Example: The desired foot is size 26, for the right side. Select foot shank Sz. 26, right and cosmesis Sz. 26, right.)

1 First, choose the right category for the foot shank:

#### **META Shock X 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 a META Shock X Carbon Foot Shank, Left, Impact Level L\*

Size	Category				
	1	2	3	4	
22	WW.M006-22L-1L	WW.M006-22L-2L	WW.M006-22L-3L	WW.M006-22L-4L	
23	WW.M006-23L-1L	WW.M006-23L-2L	WW.M006-23L-3L	WW.M006-23L-4L	
24	WW.M006-24L-1L	WW.M006-24L-2L	WW.M006-24L-3L	WW.M006-24L-4L	
25	WW.M006-25L-1L	WW.M006-25L-2L	WW.M006-25L-3L	WW.M006-25L-4L	
26	WW.M006-26L-1L	WW.M006-26L-2L	WW.M006-26L-3L	WW.M006-26L-4L	
27	WW.M006-27L-1L	WW.M006-27L-2L	WW.M006-27L-3L	WW.M006-27L-4L	
28	WW.M006-28L-1L	WW.M006-28L-2L	WW.M006-28L-3L	WW.M006-28L-4L	
29	WW.M006-29L-1L	WW.M006-29L-2L	WW.M006-29L-3L	WW.M006-29L-4L	
30	WW.M006-30L-1L	WW.M006-30L-2L	WW.M006-30L-3L	WW.M006-30L-4L	

# 1: Select a META Shock X Carbon Foot Shank, Right, Impact Level L\*

Size	Category				
	1	2	3	4	
22	WW.M006-22R-1L	WW.M006-22R-2L	WW.M006-22R-3L	WW.M006-22R-4L	
23	WW.M006-23R-1L	WW.M006-23R-2L	WW.M006-23R-3L	WW.M006-23R-4L	
24	WW.M006-24R-1L	WW.M006-24R-2L	WW.M006-24R-3L	WW.M006-24R-4L	
25	WW.M006-25R-1L	WW.M006-25R-2L	WW.M006-25R-3L	WW.M006-25R-4L	
26	WW.M006-26R-1L	WW.M006-26R-2L	WW.M006-26R-3L	WW.M006-26R-4L	
27	WW.M006-27R-1L	WW.M006-27R-2L	WW.M006-27R-3L	WW.M006-27R-4L	
28	WW.M006-28R-1L	WW.M006-28R-2L	WW.M006-28R-3L	WW.M006-28R-4L	
29	WW.M006-29R-1L	WW.M006-29R-2L	WW.M006-29R-3L	WW.M006-29R-4L	
30	WW.M006-30R-1L	WW.M006-30R-2L	WW.M006-30R-3L	WW.M006-30R-4L	

<sup>\*</sup>The standard impact level for the Meta Shock X is L. Use the special REF number WW.M006-XXX-XX to order the foot with impact level M or H.

### 2: Select a Foot Cosmesis

REF	Foot Size/cm	Side
WW.FS01-22LB	22	Left
WW.FS01-23LB	23	Left
WW.FS01-24LB	24	Left
WW.FS01-25LB	25	Left
WW.FS01-26LB	26	Left
WW.FS01-27LB	27	Left
WW.FS01-28LB	28	Left
WW.FS01-29LB	29	Left
WW.FS01-30LB	30	Left

REF	Foot Size/cm	Side
WW.FS01-22RB	22	Right
WW.FS01-23RB	23	Right
WW.FS01-24RB	24	Right
WW.FS01-25RB	25	Right
WW.FS01-26RB	26	Right
WW.FS01-27RB	27	Right
WW.FS01-28RB	28	Right
WW.FS01-29RB	29	Right
WW.FS01-30RB	30	Right

5	6	7	8	9
WW.M006-22L-5L				
WW.M006-23L-5L				
WW.M006-24L-5L				
WW.M006-25L-5L	WW.M006-25L-6L	WW.M006-25L-7L	WW.M006-25L-8L	WW.M006-25L-9L
WW.M006-26L-5L	WW.M006-26L-6L	WW.M006-26L-7L	WW.M006-26L-8L	WW.M006-26L-9L
WW.M006-27L-5L	WW.M006-27L-6L	WW.M006-27L-7L	WW.M006-27L-8L	WW.M006-27L-9L
WW.M006-28L-5L	WW.M006-28L-6L	WW.M006-28L-7L	WW.M006-28L-8L	WW.M006-28L-9L
WW.M006-29L-5L	WW.M006-29L-6L	WW.M006-29L-7L	WW.M006-29L-8L	WW.M006-29L-9L
WW.M006-30L-5L	WW.M006-30L-6L	WW.M006-30L-7L	WW.M006-30L-8L	WW.M006-30L-9L

5	6	7	8	9
WW.M006-22R-5L				
WW.M006-23R-5L				
WW.M006-24R-5L				
WW.M006-25R-5L	WW.M006-25R-6L	WW.M006-25R-7L	WW.M006-25R-8L	WW.M006-25R-9L
WW.M006-26R-5L	WW.M006-26R-6L	WW.M006-26R-7L	WW.M006-26R-8L	WW.M006-26R-9L
WW.M006-27R-5L	WW.M006-27R-6L	WW.M006-27R-7L	WW.M006-27R-8L	WW.M006-27R-9L
WW.M006-28R-5L	WW.M006-28R-6L	WW.M006-28R-7L	WW.M006-28R-8L	WW.M006-28R-9L
WW.M006-29R-5L	WW.M006-29R-6L	WW.M006-29R-7L	WW.M006-29R-8L	WW.M006-29R-9L
WW.M006-30R-5L	WW.M006-30R-6L	WW.M006-30R-7L	WW.M006-30R-8L	WW.M006-30R-9L

# **Spare Spectra Sock**

REF	Product
WW.700-SS001	WillowWood Spectra Sock White
WW.700-SS002	WillowWood Spectra Sock Black

Other versions of this foot cosmes is in the colors tan or medium brown are available as special order items with REF WW.FS01-X.



WW.SFP-XXXX-XX



# Technician's Tip:



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

## **◆ 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.



#### **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-22RB-3L	SACH Plus Foot Ordering Example
Model	SFP	SACH Plus Foot with Pyramid
Foot Size	22	22 - 31 cm
Side	Ŕ	L = Left R = Right
Color	В	B = Buff
Toe Resistance Categories	3	2 = Low 3 = Regular 4 = High
Heel Height	Ĺ	L = 10 mm

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



WW.IMPM-XXXX-XX





# 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 and a screw M10 x 43 are included in delivery.

The Impulse foot has a high weight limit of up to 160 kg.











Technician's Tip:



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

#### **Technical Data**

Weight of Foot/g	453 (Sz. 26)		
Weight Limit/kg	160 (Symes Version 115)		
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		

#### **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 1
141 - 160	7 = Heavy Duty 2

# **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:

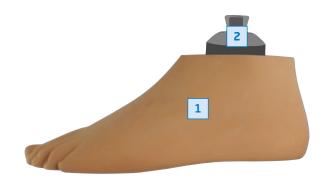
#### **Impulse Foot**

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-26LB-4L	Impulse Foot Ordering Example
Model	IMPM	IMPM = Impulse Foot
Foot Size	26	22 - 31 cm
Side		L=Left R=Right
Color	В	B = Buff
Toe Resistance Categories	4	1 - 7
Heel Height	Ĺ	L = 10 mm

# 2: Select a Matching Ankle

REF	Product	Scope of Delivery
WW.IMPA-R	Impulse Ankle up to 68kg Red	Incl. Screw M10 x 32
WW.IMPA-B	Impulse Ankle 69-86kg Blue	Incl. Screw M10 x 32
WW.IMPA-Y	Impulse Ankle 87-104kg Yellow	Incl. Screw M10 x 32
WW.IMPA-G	Impulse Ankle 105-122kg Green	Incl. Screw M10 x 32
WW.IMPA-K	Impulse Ankle 123-140kg Black	Incl. Screw M10 x 32
WW.IMPA-W	Impulse Ankle 141-160kg White	Incl. Screw M10 x 32

## 3: Alternative Adapters

200	B 1 4	
REF	Product	Scope of Delivery
WW.2LTC-1208	Foot Pyramid f.Impulse Foot Ti	-
WW.700-435	Impulse Transfer Block	-
WW.2LTC-1210	Impulse Foot Spacer Block	Incl. Screw M10 x 68



KA.WLH51

#### KnieAgil® WLH51

The WLH51 is a waterproof hydraulic joint with a lock. The lock can be released with a cable and automatically activates in extension. It is also possible to use the lock temporarily or permanently deactivate it.

The hydraulic swing phase control ensures a harmonious gait pattern. Extension and flexion damping can be adjusted continuously. The additional extension spring can also be adjusted and supports the extension initiation of the hydraulics.

The WLH51 has a very low construction height, which means that it can be easily combined with feet with a higher construction height.

The included knee joint cover protects the joint and provides cushioning when kneeling.

















REF	Product	Total Length/mm	Weight/g	Max. Flexion	Weight Limit/kg	Scope of Delivery
KA.WLH51	KnieAgil WLH51 1-Axis Knee Joint Hydr.w/ Lock Wp	239	590	145°	125 / Akt. 1-2 100 / Akt. 3	Incl. Knee Cover KA.WLH51-Cover and Release Cable
<b>Optional Accessorie</b>	Optional Accessories					
KA.AE001-2P	Release Cable f.KA.L30/LD31x/WLD31x/WLH51					
KA.WLH51-Cover	Knee Cover f. KA.WLH51					
KA.MISC	KnieAgil Spare Parts Non-Standard					

# Technician's Tip:



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



KNIEACI

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.

Max. Flexion

145°









100

Weight Limit/kg

Included in

Incl. Knee Cover KA.WLD31-Cover Incl. Additional Spring KA.EA073 and Release Cable

**Delivery** 

			3
REF	Product	Total Length/mm	Weight
KA.WLD31	KnieAgil WLD31 4-Axis Knee Joint W	147	624

Required Accessories	s, Select a Proximal Adapter
KA.KPA-10AS	Pvramid Adapter f.KA.WLD31

KA.KPA-SET-03-115 Set Lamin.Anchor w/ Adapter KA.WLD31

KA.KPA-20S Threaded Connector f.KA.WLD31

Optional Accessorie	S
KA.AE001-2P	Release Cable f.KA.L30/LD31x/WLD31x/WLH51
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
KA.AG035	Damper f.KA.LD31x/KA.WLD31x/KA.P41
KA.AG034	KnieAgil Rubber Cap
KA.MISC	KnieAgil Spare Parts Non-Standard

# Technician's Tip:



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



KA.KPA-10AS



KA.KPA-20S



KA.KPA-SET-03-11S



223



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 WLD31s 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 and Release Cable				
Required Accessori	es, Select a Proxim	al Adapter								
KA.KPA-46S	Pyramid Adapter f.I	(A.WLD31s								
KA.KPA-47S	Threaded Connecto	or f.KA.WLD31s								
Optional Accessorie	Optional Accessories									
KA.AE001-2P	Release Cable f.KA	L30/LD31x/WLD31x/	WLH51							
KA.EA073	Spring Soft f.KA.LD	31x/KA.WLD31x								
KA.EA094	Spring Medium f.K.A	A.WLD31/KA.WLD31s								
KA.EA074	Spring Hard f.KA.LE	)31x/KA.WLD31x								
KA.WLD31s-Cover	Knee Cover f. KA.W	Knee Cover f. KA.WLD31s								
KA.AG035	Damper f.KA.LD31x/KA.WLD31x/KA.P41									
KA.AG034	KnieAgil Rubber Ca	р								
KA.MISC	KnieAgil Spare Part	s Non-Standard								

# Technician's Tip:





KA.KPA-46S



KA.KPA-47S



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.









REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes					
CD.103	Air-Lock Shuttle Height 34,3	34.3	84	57.4	160	Dummy Set					
CD.103D	Air-Lock Shuttle Height 43,3	43.3	88	57.4	160	Dummy Set					
<b>Required Accessories</b>	d Accessories										
CD.103P8	Air-Lock Shuttle Pin Ø10x33m	m PU: 2pcs									
CD.103P11	Air-Lock Shuttle Pin Ø10x42m	m PU: 2pcs									
CD.103AF	4-Hole Alignable Connector										
CD.111	Coyote 4-Hole Alignable Conne	Coyote 4-Hole Alignable Connector w/ Tie-Off Notch									
CD.115CF5	Coyote 4-Hole Connection Plate w/ 5°Flexion										
FT.60SL50	PLUSeries Kit Beige 50ml										
FT.1ML50	PLUSeries Kit Black 50ml										
FT.G50	PLUSeries Dispensing Gun 50n	nl									
<b>Optional Accessories</b>											
CD.103FD	Air-Lock Thermoforming Dumn	ny									
CD.103LP	Air-Lock Locking Peg&Springs										
CD.103MDI	Coyote Offset-Insert f.4-Hole A	Alignable Connect	tor								
CD.103RB	Air-Lock Release Button										
CD.103RBC	Air-Lock Release Button Cover										
CD.103SDI	Coyote Sliding-Insert f.4-Hole	Alignable Connec	tor								
CD.103SG	Air-Lock&Small Air-Lock Spring	s PU: 3pcs									
CD.103WH	Air-Lock Wrench										
CD.103VB	Air-Lock Valve Body										



CD.103M/CD.103MD



#### **◆** 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	Medium Air-Lock Shuttle Height 33	33	57	47	160	Dummy Set			
CD.103MD	Medium Air-Lock Shuttle Height 42	42	57	47	160	Dummy Set			
Required Accessories									
CD.103P8	Air-Lock Shuttle Pin Ø10x33mm PL	l: 2pcs							
CD.103P11	Air-Lock Shuttle Pin Ø10x42mm PL	J: 2pcs							
CD.103AF	4-Hole Alignable Connector								
CD.111	Coyote 4-Hole Alignable Connector	w/ Tie-Off Note	:h						
CD.115CF5	Coyote 4-Hole Connection Plate w/ 5°Flexion								
FT.60SL50	PLUSeries Kit Beige 50ml								
FT.1ML50	PLUSeries Kit Black 50ml								
FT.G50	PLUSeries Dispensing Gun 50ml								
<b>Optional Accessories</b>									
CD.103LP	Air-Lock Locking Peg&Springs								
CD.103MDI	Coyote Offset-Insert f.4-Hole Aligna	able Connector							
CD.103RB	Air-Lock Release Button								
CD.103RBC	Air-Lock Release Button Cover								
CD.103SDI	Coyote Sliding-Insert f.4-Hole Alignable Connector								
CD.103SG	Air-Lock&Small Air-Lock Springs PU: 3pcs								
CD.103WH	Air-Lock Wrench								
CD.103VB	Air-Lock Valve Body								



#### CD.103S/CD.103SD



# ◆ 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.





REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes				
CD.103S	Small Air-Lock Shuttle Height 33	33	35	31.5	160	Dummy Set				
CD.103SD	Small Air-Lock Shuttle Height 42	42	39	31.5	160	Dummy Set				
<b>Required Accessories</b>										
CD.103P8	Air-Lock Shuttle Pin Ø10x33mm	n PU: 2pcs								
CD.103P11	Air-Lock Shuttle Pin Ø10x42mm	n PU: 2pcs								
CD.103AF	4-Hole Alignable Connector									
CD.111	Coyote 4-Hole Alignable Connec	Coyote 4-Hole Alignable Connector w/ Tie-Off Notch								
CD.115CF5	Coyote 4-Hole Connection Plate w/ 5°Flexion									
FT.60SL50	PLUSeries Kit Beige 50ml									
FT.1ML50	PLUSeries Kit Black 50ml									
FT.G50	PLUSeries Dispensing Gun 50ml									
<b>Optional Accessories</b>										
CD.103LP	Air-Lock Locking Peg&Springs									
CD.103MDI	Coyote Offset-Insert f.4-Hole Al	ignable Connector								
CD.103RB	Air-Lock Release Button									
CD.103RBC	Air-Lock Release Button Cover	Air-Lock Release Button Cover								
CD.103SDI	Coyote Sliding-Insert f.4-Hole Alignable Connector									
CD.103SG	Air-Lock&Small Air-Lock Springs PU: 3pcs									
CD.103WH	Air-Lock Wrench									
CD.103VB	Air-Lock Valve Body									

## Pylon Adapters, Waterproof

# AP.TI-17TCDH-W

Water Draining Holes

# • Pylon Adapter, External Thread, Waterproof, with Draining Notches

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. 230).



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 M8 x 16 A4 2x M8 x 12 A4	15 Nm 15 Nm
AP.TI-10TCDH-W	268	229	166	Titanium	DIN 913 DIN 913	4x M8 x 16 A4 2x M8 x 12 A4	15 Nm 15 Nm



#### AP.TI-110LONG-W

# • Pylon Connector, Waterproof

Pylon adapter, with pyramid receiver, waterproof. Adapter is identical to AP.TI-LONG, but is waterproof.



REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includ (Screws)	les	Torque
AP.TI-110LONG-W	19/Total Length 97	113	166	Titanium	DIN 913 DIN 913	4x M8 x 16 A4 4x M8 x 12 A4	15 Nm 15 Nm



AP.TI-112-P-W

# • Pylon Connector, 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	Without Screws

AP.AL-1XT2

# **◆** Aluminum Tubes, Waterproof

 $\ensuremath{\text{\emptyset}}$  30 mm, 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	Without Screws
AP.AL-17T2	430	284	166	Aluminum	Without Screws

# AP.TI-100C-DH-W Water Draining Holes

◆ Tube Clamp Adapters, Waterproof

# • Tube Clamp Adapter with Notches, Waterproof

Titanium tube clamp adapter,  $\emptyset$  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. 228).



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-450BF-W



AP.TI-425BH-W

# ◆ 4-Hole Pyramid Receiver, Waterproof

# • 4-Hole Pyramid Receiver and 4-Hole Pyramid, Waterproof

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 Includ (Screws)	les	Torque
AP.TI-450BF-W	18	82	166	Titanium	DIN 913 DIN 913 ISO 10642	4x M8 x 16 A4 2x M8 x 12 A4 4x M6 x 20 T6	15 Nm 15 Nm
AP.TI-425BH-W	8	57	166	Titanium	ISO 10642	4x M6 x 20 T6	



# • 4-Hole Pyramid, with Offset, Waterproof

4-hole titanium adapter, axial or diagonal offset.







AP.TI-400D-W

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includ (Screws)	les
AP.TI-400A-W	8	77	166	Titanium	ISO 10642	4x M6 x 20 T6
AP.TI-400D-W	8	79	166	Titanium	ISO 10642	4x M6 x 20 T6



# • 4-Hole Base, M36, Rotatable, Insert, Waterproof

Titanium 4-hole adapter, rotatable, with pyramid receiver or pyramid, with 36 mm outer clamping and 4 connector threads.













AP.TI-50FS-W

AP.TI-00MS-W

Please select the two REFs of your desired combination.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includ	les	Torque
AP.TI-460TB-W	10	68	166	Titanium	ISO 10642 DIN 912	4x M6x20 T6 1x M5x20 T6 1x Spring Washer M5 A2	15 Nm 9 Nm
					21.992.903.02 Adapter Rotatal	Dummy f.4-Hole ble	
Combinable with							
AP.TI-50FS-W	13	51	166	Titanium	DIN 913 DIN 913	4x M8 x 16 A4 2x M8 x 12 A4	15 Nm 15 Nm
AP.TI-00MS-W	6	45	166	Titanium	Without Screws		



## ◆ Dual Adapter, Titanium, Waterproof

Titanium dual receiver adapter, with pyramid receiver on both ends, 7 heights.



REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includ (Screws)	es	Torque
AP.TI-132D-W	32	98	166	Titanium	DIN 913 DIN 913	4x M8 x 12 A4 8x M8 x 16 A4	15 Nm 15 Nm
AP.TI-138D-W	38	92	166	Titanium	DIN 913 DIN 913	4x M8 x 12 A4 8x M8 x 16 A4	15 Nm 15 Nm
AP.TI-145D-W	45	119	166	Titanium	DIN 913 DIN 913	4x M8 x 12 A4 8x M8 x 16 A4	15 Nm 15 Nm
AP.TI-152D-W	52	114	166	Titanium	DIN 913 DIN 913	4x M8 x 12 A4 8x M8 x 16 A4	15 Nm 15 Nm
AP.TI-160D-W	60	134	166	Titanium	DIN 913 DIN 913	4x M8 x 12 A4 8x M8 x 16 A4	15 Nm 15 Nm
AP.TI-168D-W	68	126	166	Titanium	DIN 913 DIN 913	4x M8 x 12 A4 8x M8 x 16 A4	15 Nm 15 Nm
AP.TI-175D-W	75	148	166	Titanium	DIN 913 DIN 913	4x M8 x 12 A4 8x M8 x 16 A4	15 Nm 15 Nm



# AP.TI-115DM-W

# Dual Pyramid Adapter, 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.



RE	F	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)
AP	P.TI-115DM-W	22	116	166	Titanium	Without Screws



## AP.TI-00MS-W

#### 3-Prong Adapters

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

3-prong adapter, titanium and stainless steel combined, with pyramid receiver or pyramid adapter.



or



AP.TI-50FS-W

Please select the two REFs of your desired combination.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includ (Screws)	les	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 M8 x 16 A4 2x M8 x 12 A4	15 Nm 15 Nm
AP.TI-00MS-W	6	45	166	Titanium	n/a		



4-Prong Laminating Adapter, Waterproof

Titanium 4-prong adapter with pyramid.



AP.TI-740L-W

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes
AP.TI-740L-W	14	71	166	Titanium	Without Screws, Lamination Dummy



#### 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, cut-outs to prevent torsion, and laminating dummy REF 21.992.903.01.











waterproof

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includ (Screws)	des	Torque		
21.992.101.00	8	50	166	Aluminum	ISO 10642 DIN 912	4x M6 x 12 A4 2x M6 x 12 A4	9 Nm 9 Nm		
					High Performand for 4-Hole Conne Laminating Plate				
Optional Accessori	Optional Accessories								
PFF Product									

REF	Product
21.992.000.10	Sealing Wax 5g
21.992.903.01	Dummy f.4-Hole Adapter



# Foot Pyramid Adapter, Waterproof

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



#### AP.TI-500P

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

# Spare Screws for Modular Adapters, Waterproof

Stainless steel screws, for use as spare screws for our waterproof modular adapters. Please note the screw specifications of the individual adapters, and select the spare screws accordingly. The screws are sold individually.





# • Spare Set Screws for Modular Adapters



REF	Product	Material	PU
70.720.812.04	Set Screw DIN913 M8x12 A4	Stainless Steel	1
70.720.816.04	Set Screw DIN913 M8x16 A4	Stainless Steel	1





70.717.520.06



70.717.514.06



70.717.620.06

# • Spare Screws for Modular Adapters

Titanium screws, for use as spare screws for our waterproof modular adapters. Please note the screw specifications of the individual adapters, and select the spare screws accordingly. The screws are sold individually.



REF	Product	Material	PU
70.488.620.06	Flat Head Screw ISO10642 M6x20 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



30.005.000.00, with Interior Filter





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>	5					
30.005.000.10	Mini Valve Pro Spare Pa	rts Kit				Hex Nut M10x1, Washer, Interior Valve Component, White Duck- bill-Valve, Sealing Washer





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.













#### **Technical Data**

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-FS006

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# 1: Select a Pediatric SACH Foot, Left Side:

REF	Foot Size/cm	Side	Category
WW.PPS-09LB-2	9	Left	2
WW.PPS-10LB-2	10	Left	2
WW.PPS-11LB-2	11	Left	2
WW.PPS-12LB-2	12	Left	2
WW.PPS-13LB-2	13	Left	2
WW.PPS-14LB-2	14	Left	2
WW.PPS-15LB-2	15	Left	2
WW.PPS-16LB-2	16	Left	2
WW.PPS-17LB-2	17	Left	2
WW.PPS-18LB-2	18	Left	2
WW.PPS-19LB-2	19	Left	2
WW.PPS-20LB-2	20	Left	2
WW.PPS-21LB-2	21	Left	2
WW PPS-221 R-2	22	Left	2

REF	Foot Size/cm	Side	Category
WW.PPS-09LB-3	9	Left	3
WW.PPS-10LB-3	10	Left	3
WW.PPS-11LB-3	11	Left	3
WW.PPS-12LB-3	12	Left	3
WW.PPS-13LB-3	13	Left	3
WW.PPS-14LB-3	14	Left	3
WW.PPS-15LB-3	15	Left	3
WW.PPS-16LB-3	16	Left	3
WW.PPS-17LB-3	17	Left	3
WW.PPS-18LB-3	18	Left	3
WW.PPS-19LB-3	19	Left	3
WW.PPS-20LB-3	20	Left	3
WW.PPS-21LB-3	21	Left	3
WW.PPS-22LB-3	22	Left	3

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REF	Foot Size/cm	Side	Category
WW.PPS-09LB-4	9	Left	4
WW.PPS-10LB-4	10	Left	4
WW.PPS-11LB-4	11	Left	4
WW.PPS-12LB-4	12	Left	4
WW.PPS-13LB-4	13	Left	4
WW.PPS-14LB-4	14	Left	4
WW.PPS-15LB-4	15	Left	4
WW.PPS-16LB-4	16	Left	4
WW.PPS-17LB-4	17	Left	4
WW.PPS-18LB-4	18	Left	4
WW.PPS-19LB-4	19	Left	4
WW.PPS-20LB-4	20	Left	4
WW.PPS-21LB-4	21	Left	4
WW.PPS-22LB-4	22	Left	4

# 1: Select a Pediatric SACH Foot, Right Side:

REF	Foot Size/cm	Side	Category
WW.PPS-09RB-2	9	Right	2
WW.PPS-10RB-2	10	Right	2
WW.PPS-11RB-2	11	Right	2
WW.PPS-12RB-2	12	Right	2
WW.PPS-13RB-2	13	Right	2
WW.PPS-14RB-2	14	Right	2
WW.PPS-15RB-2	15	Right	2
WW.PPS-16RB-2	16	Right	2
WW.PPS-17RB-2	17	Right	2
WW.PPS-18RB-2	18	Right	2
WW.PPS-19RB-2	19	Right	2
WW.PPS-20RB-2	20	Right	2
WW.PPS-21RB-2	21	Right	2
WW.PPS-22RB-2	22	Right	2

REF	Foot Size/cm	Side	Category
WW.PPS-09RB-3	9	Right	3
WW.PPS-10RB-3	10	Right	3
WW.PPS-11RB-3	11	Right	3
WW.PPS-12RB-3	12	Right	3
WW.PPS-13RB-3	13	Right	3
WW.PPS-14RB-3	14	Right	3
WW.PPS-15RB-3	15	Right	3
WW.PPS-16RB-3	16	Right	3
WW.PPS-17RB-3	17	Right	3
WW.PPS-18RB-3	18	Right	3
WW.PPS-19RB-3	19	Right	3
WW.PPS-20RB-3	20	Right	3
WW.PPS-21RB-3	21	Right	3
WW.PPS-22RB-3	22	Right	3

REF	Foot Size/cm	Side	Category
WW.PPS-09RB-4	9	Right	4
WW.PPS-10RB-4	10	Right	4
WW.PPS-11RB-4	11	Right	4
WW.PPS-12RB-4	12	Right	4
WW.PPS-13RB-4	13	Right	4
WW.PPS-14RB-4	14	Right	4
WW.PPS-15RB-4	15	Right	4
WW.PPS-16RB-4	16	Right	4
WW.PPS-17RB-4	17	Right	4
WW.PPS-18RB-4	18	Right	4
WW.PPS-19RB-4	19	Right	4
WW.PPS-20RB-4	20	Right	4
WW.PPS-21RB-4	21	Right	4
WW.PPS-22RB-4	22	Right	4

# 2: Add a Proximal Adapter

REF	Product	System Height/ mm	Weight/g	Weight Limit/kg	Material	Torque
WW.PPF-1208	Foot Pyramid Adapter Pediatric TI	5	15	60	Titanium	20 Nm
REF	Product	System Height/ mm	Weight/g	Weight Limit/kg	Material	Torque
WW.PPF-1209	Foot Pyramid Receiver Pediatric AL	19	35	60	Aluminum	4 Nm
REF	Product	System Height/ mm	Weight/g	Weight Limit/kg	Material	Torque
WW.PPF-FS006	Symes Nut Pediatric TI	12	30	60	Titanium	20 Nm

# **Optional Accessories**

<b>Optional Accessories</b>						
REF	Product	System Height/ mm	Further System Heights/ mm	Weight Limit/kg	Material	Torque
WW.PPF-GKIT	Growth Kit Pediatric	max. 22.4	3.2 6.4 12.8	60	Aluminum	20 Nm

Other versions of the foot cosmesis in colors tan 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.













#### **Technical Data**

155 (Sz. 16)
60
13 - 22
37 (with Pyramid Adapter)
Sz. 13 to 17: 6 Sz. 18 to 22: 10
2 - 4
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

Finally, add the desired proximal adapter:

#### 2: Proximal Adapter







WW.PPF-1209



WW.PPF-FS006



# 1: Select a Pediatric Impulse Foot, Left Side

REF	Foot Size/cm	Side	Category
WW.PPI-13LB-2	13	Left	2
WW.PPI-14LB-2	14	Left	2
WW.PPI-15LB-2	15	Left	2
WW.PPI-16LB-2	16	Left	2
WW.PPI-17LB-2	17	Left	2
WW.PPI-18LB-2	18	Left	2
WW.PPI-19LB-2	19	Left	2
WW.PPI-20LB-2	20	Left	2
WW.PPI-21LB-2	21	Left	2
WW.PPI-22LB-2	22	Left	2

REF	Foot Size/cm	Side	Category
WW.PPI-13LB-3	13	Left	3
WW.PPI-14LB-3	14	Left	3
WW.PPI-15LB-3	15	Left	3
WW.PPI-16LB-3	16	Left	3
WW.PPI-17LB-3	17	Left	3
WW.PPI-18LB-3	18	Left	3
WW.PPI-19LB-3	19	Left	3
WW.PPI-20LB-3	20	Left	3
WW.PPI-21LB-3	21	Left	3
WW.PPI-22LB-3	22	Left	3

REF	Foot Size/cm	Side	Category
WW.PPI-13LB-4	13	Left	4
WW.PPI-14LB-4	14	Left	4
WW.PPI-15LB-4	15	Left	4
WW.PPI-16LB-4	16	Left	4
WW.PPI-17LB-4	17	Left	4
WW.PPI-18LB-4	18	Left	4
WW.PPI-19LB-4	19	Left	4
WW.PPI-20LB-4	20	Left	4
WW.PPI-21LB-4	21	Left	4
WW.PPI-22LB-4	22	Left	4

# 1: Select a Pediatric Impulse Foot, Right Side

REF	Foot Size/cm	Side	Category
WW.PPI-13RB-2	13	Right	2
WW.PPI-14RB-2	14	Right	2
WW.PPI-15RB-2	15	Right	2
WW.PPI-16RB-2	16	Right	2
WW.PPI-17RB-2	17	Right	2
WW.PPI-18RB-2	18	Right	2
WW.PPI-19RB-2	19	Right	2
WW.PPI-20RB-2	20	Right	2
WW.PPI-21RB-2	21	Right	2
WW.PPI-22RB-2	22	Right	2

REF	Foot Size/cm	Side	Category
WW.PPI-13RB-3	13	Right	3
WW.PPI-14RB-3	14	Right	3
WW.PPI-15RB-3	15	Right	3
WW.PPI-16RB-3	16	Right	3
WW.PPI-17RB-3	17	Right	3
WW.PPI-18RB-3	18	Right	3
WW.PPI-19RB-3	19	Right	3
WW.PPI-20RB-3	20	Right	3
WW.PPI-21RB-3	21	Right	3
WW.PPI-22RB-3	22	Right	3

REF	Foot Size/cm	Side	Category
WW.PPI-13RB-4	13	Right	4
WW.PPI-14RB-4	14	Right	4
WW.PPI-15RB-4	15	Right	4
WW.PPI-16RB-4	16	Right	4
WW.PPI-17RB-4	17	Right	4
WW.PPI-18RB-4	18	Right	4
WW.PPI-19RB-4	19	Right	4
WW.PPI-20RB-4	20	Right	4
WW.PPI-21RB-4	21	Right	4
WW.PPI-22RB-4	22	Right	4

# 2: Add a Proximal Adapter

REF	Product	System Height/ mm	Weight /g	Weight Limit/kg	Material	Torque
WW.PPF-1208	Foot Pyramid Adapter Pediatric TI	5	15	60	Titanium	20 Nm
REF	Product	System Height/ mm	Weight /g	Weight Limit/kg	Material	Torque
WW.PPF-1209	Foot Pyramid Receiver Pediatric AL	19	35	60	Aluminum	4 Nm
REF	Product	System Height/ mm	Weight /g	Weight Limit/kg	Material	Torque
WW.PPF-FS006	Symes Nut Pediatric TI	12	30	60	Titanium	20 Nm

# **Optional Accessories**

<b>Optional Accessories</b>						
REF	Product	System Height/ mm	Further System Heights/ mm	Max. Belast- barkeit/kg	Material	Torque
WW.PPF-GKIT	Growth Kit Pediatric	max. 22.4	3.2 6.4 12.8	60	Aluminum	20 Nm

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



# Foot Adapters

Foot adapter,  $\emptyset$  22 mm, for combination with WillowWood pediatric prosthetic feet.

WW.PPF-1208

REF	Product	System Height/ mm	Weight /g	Weight Limit/kg	Material	Torque
WW.PPF-1208	Foot Pyramid Adapter Pediatric TI	5	15	60	Titanium	20 Nm



Foot adapter, for combination with WillowWood pediatric prosthetic feet.

WW.PPF-1209

REF	Product	System Height/ mm	Weight /g	Weight Limit/kg	Material	Torque
WW.PPF-1209	Foot Pyramid Receiver Pediatric AL	19	35	60	Aluminum	4 Nm



# • Symes Nut

WW.PPF-FS006

REF	Product	System Height/ mm	Weight/g	Weight Limit/kg	Material	Torque
WW.PPF-FS006	Symes Nut Pediatric TI	12	30	60	Titanium	20 Nm



# • Growth Kit Pediatric

Can be used with WillowWood pediatric Sach Foot and pediatric Impulse Foot, between the foot and the foot adapter. The three rings can be used individually or can be combined in order to adjust the system height.

WW.PPF-GKIT

Optional Accessories									
REF	Product	System- Height/ mm	Further System Heights/ mm	Weight Limit/kg	Material	Torque			
WW.PPF-GKIT	Growth Kit Pediatric	max. 22.4	3.2 6.4 12.8	60	Aluminum	20 Nm			



# Pylon Adapters

Pylon diameter: 22 mm, pyramid receiver: 22 mm.

AP.JR-10TC2

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	Torque
AP.JR-10TC2	254	150	60	Titanium	4x M6 x 1.0 x 10	7 Nm



Pylon diameter: 22 mm, pyramid receiver: 30 mm.

AP.JR-10TC2-A

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	Torque
AP.JR-10TC2-A	254	179	60	Titanium	4x M8 x 1.25 x 12	15 Nm

# **◆ Tube Clamp Adapters**

For tube diameter of 22 mm, pyramid receiver: 22 mm.

AP.JR-100C

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	Torque
AP.JR-100C	41	62	60	Titanium	4x M6 x 1.0 x 10 1x M4 x 0.7 x 16	7 Nm 5 Nm



For tube diameter of 22 mm, pyramid receiver: 30 mm

AP.JR-100C-A

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	Torque
AP.JR-100C-A	47	79	60	Titanium	4x M8 x 1.25 x 12 1x M4 x 0.7 x 16	15 Nm 5 Nm



# 4-Hole Adapters

Titanium, with pyramid, for 22-mm systems.

AP.JR-425BH

RE	F	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes
AF	P.JR-425BH	7.4	37	60	Titanium	21.992.903.03 Dummy f.4-Hole Adapter Pediatric



Titanium, with pyramid receiver, for 22-mm systems.

AP.JR-450BF

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	Torque
AP.JR-450BF	19	54	60	Titanium	4x M6 x 1.0 x 10, 21.992.903.03 Dummy f.4-Hole Adapter Pediatric	7 Nm



# ◆ 4-Hole Adapter, Offset

Titanium 4-hole adapter, with pyramid, axial or diagonal offset, for 22-mm systems.

APJR-400A



AP.JR-400D

REF	System Height/mm	Offset/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes
AP.JR-400A	7.4	Axial 6.5	45	60	Titanium	21.992.903.03 Dummy f.4-Hole Adapter Pediatric
AP.JR-400D	7.4	Diagonal 5	48	60	Titanium	21.992.903.03 Dummy f.4-Hole Adapter Pediatric



# ◆ 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.



















AP.JR-50FS

AP.JR-50FS-03

AP.JR-50FS-06

AP.JR-50FS-09

AP.JR-50FS-12

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes	Torque
AP.JR-460TB	8.6	60	60	Titanium	4x M5 x 0.8 x 20 1x M5 x 0.8 x 20 21.992.903.04 Dummy f.4-Hole Adapter Rotat.Pediatric	7 Nm 9 Nm
Combinable with						
AP.JR-50FS	10	34	60	Titanium	4x M6 x 1.0 x 10	7 Nm
AP.JR-50FS-03	13	40	60	Titanium	4x M6 x 1.0 x 10	7 Nm
AP.JR-50FS-06	16	46	60	Titanium	4x M6 x 1.0 x 10	7 Nm
AP.JR-50FS-09	19	49	60	Titanium	4x M6 x 1.0 x 10	7 Nm
AP.JR-50FS-12	22	59	60	Titanium	4x M6 x 1.0 x 10	7 Nm



# ◆ Pyramid Receiver Insert M36

Pyramid receiver for the 22 mm system, with an M36 external thread. Allows the use of 3-prong and 4-prong adapters of the 30 mm system in the pediatric system.

AP.JR-50FS-A

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	Torque
AP.JR-50FS-A	9	49	60	Titanium	4x M6x 1.0 x 10	7 Nm

# Dual Adapter

Titanium dual adapter, with pyramid receiver on both ends. Three heights, for 22-mm systems.







APJR-145D



AP.JR-160D

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	Torque
AP.JR-132D	32	62	60	Titanium	8x M6 x 1.0 x 10	7 Nm
AP.JR-145D	45	74	60	Titanium	8x M6 x 1.0 x 10	7 Nm
AP.JR-160D	60	92	60	Titanium	8x M6 x 1.0 x 10	7 Nm





Titanium 4-prong adapter, with pyramid, for 22-mm systems.

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)
AP.JR-740L	5	45	60	Titanium	n/a



#### ◆ 4-Hole Slide Connector

Aluminum 4-hole slide adapter, with 18 mm slide range, for 22-mm systems.

AP.JR-AL-4x4-SLIDE

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	Torque
AP.JR-AL-4x4-SLIDE	10	88	60	Aluminum	4x M5 x 0.8 x 14 4x M5 x 0.8 x 20	7 Nm 7 Nm



# ◆ 4-Hole Spacer Plate

4-hole spacer plate, made from aluminum or fiber composite. Combinable with 4-hole adapters.







AP.JR-AL-417B

WW.PPF-994114

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Delivery Includes (Screws)	Torque
AP.JR-AL-416B	1.5	3	60	Aluminum	Without Screws	
AP.JR-AL-417B	3.2	11	60	Aluminum	Without Screws	
WW.PPF-994114	6.4	10	60	Fiber Composite	4x M5 x 20 mm	7 Nm



#### **◆** 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.

WW.PPF-700250

REF	System Height/mm	Weight/g	Weight Limit/kg	Material	Scope of Delivery (Screws)	Torque
WW.PPF-700250	16	33	60	Plastic	4x M5 x 12	7 Nm



KA.WKL10

#### KnieAgil® KA.WKL 10, Pediatric

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.











waterproof

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 and Release Cable		
Optional Accessories								
KA.KPA-19S	Pyramid Adapter f.KA.WKL10/KA.WK11							
KA.AE001-1SP	Release Cable f.KA.WKL10							
KA.MISC	KnieAgil Spare Parts Non-Standard							



#### KA.WK11

#### KnieAgil® KA.WK 11, Pediatric

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 Accesso</b>	Optional Accessories							
KA.KPA-19S	Pyramid Adapter f.KA.WKL10/KA.WK11							
KA.MISC	KnieAgil Spare Parts Non-Standard							



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 Accessorie	<b>2</b> S	s ·				
21.276.000.00	TehLin L-Bracket Socket Adap.Pediat.VA					
<b>Optional Accessorie</b>	S					
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					
21.826.000.01	TehLin Spare Parts Non-Sta	TehLin Spare Parts Non-Standard				



21.276.000.00



Application Example 21.561.007.00





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

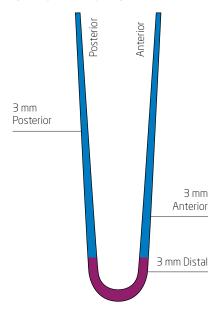
Alpha Pediatric Liners were developed specifically for children. They consist of high-quality, hypoallergenic Classic Gel.

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 lock CD.104QT (Grommet Lock), for which you also require the additional pin CD.104PQ with 6.35 mm threaded connector.

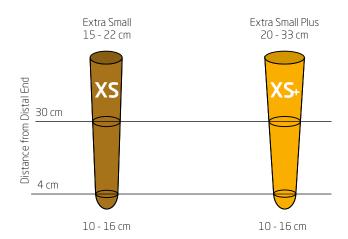
### **Uniform Profile**



# **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 Liner, Locking

REF Locking-Liner	Profile	Fabric Type	Gel Thick- ness/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 Liner, Cushion

REF Cushion-Liner	Profile	Fabric Type	Gel Thick- ness/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



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.







kg waterpro

Scope of Delivery

CD.103PAF

REF	Product	System Height/mm	Weight/g	Diameter/mm	Weight Limit/kg	Delivery Includes
CD.104QT	Grommet-Lock Shuttle Height 35	35	24	26	45	Dummy Set
<b>Required Accessories</b>	Required Accessories					
CD.103PAF	Grommet-Lock Alignable Connector					
<b>Optional Accessories</b>	tional Accessories					
CD.104P10	Grommet-Lock Shuttle Pin Ø10x27mm PU: 2pcs					
CD.104PQ	Grommet-Lock Shuttle F	Grommet-Lock Shuttle Pin Ø6.35x27mm PU: 2pcs				



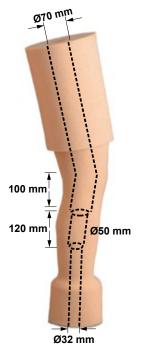
# Cosmetic Nylon Stockings

High-quality nylon stockings, designed to be worn over cosmetic prosthesis covers. Suitable for pediatric lower limb prostheses.

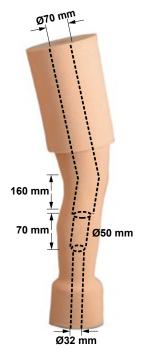
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REF	Leg Length/cm	Foot Length/cm
22.240.000.31	34	10
22.240.000.32	37	11
22.240.000.33	44	12





21.989.001.00



21.989.002.00

### Cosmetic Foam Covers

### • 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
  - KA.L30
  - KA.LD31
  - KA.LD31s
  - KA.SL2
  - KA.PS21
  - KA.S20
  - 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

### • 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
  - KA.P41
  - KA.R1
  - KA.P44c
  - 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



21.822.052.00

### • 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
  - 0E.2SR500

REF	Calf Circumference/ mm	Knee Height/ mm	Flexion	Side
21.989.003.00	430	520	30°	Left + Right

### • 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



### • Foam Cover Block, PE-Foam

### **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
21.816.001.00	480	160	160	30	Beige	1

# Ø30 mm

### • 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
21.817.000.00	500	190	160	30	Left + Right	1

### 21.817.000.00

### • 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
WW.700-BKX-032C-VP	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
KA.R1-Cover	KA.R1

# ◆ 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	



21.561.00X.XX



# 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 approved for use during fittings

REF	Product	PU/Quantity
22.050.130.01	Fitting Pyramid Protection SS	1



21.992.903.01

# **◆ Laminating Dummies**

High-quality, injection-molded laminating dummies, fitting for 4-hole alignable connectors. Various designs available.

REF	Product
21.992.903.01	Dummy f.4-Hole Adapter
21.992.903.02	Dummy f.4-Hole Adapter Rotatable
21.992.903.03	Dummy f.4-Hole Adapter Pediatric
21.992.903.04	Dummy f.4-Hole-Adapter Rotatable Pediatric

22.240.000.1X

## 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.



# • Cosmetic Nylon Stockings, BK

REF	Leg Length/cm	Foot Length/cm	Cuff Circum- ference/cm	Included in Delivery
22.240.000.11	36	20	25	PU: 2
22.240.000.12	41	21	25	PU: 2
22.240.000.13	46	21	27	PU: 2

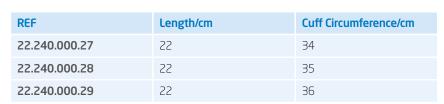


### • Cosmetic Nylon Stockings, AK

REF	Leg Length/cm	Foot Length/cm	Cuff Circum- ference/cm	included in Delivery
22.240.000.20	59	20	36	PU: 2
22.240.000.21	62	20	36	PU: 2
22.240.000.22	66	21	38	PU: 2
22.240.000.23	72	21	40	PU: 2
22.240.000.24	84	22	40	PU: 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





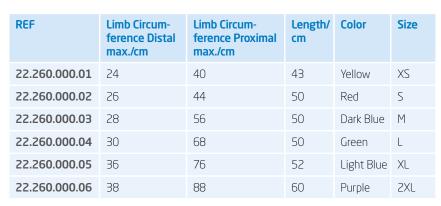
### • Teufel Slipper

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.

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

<sup>\*</sup>Femoral circumference in the crotch area.









# **◆** 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



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 appropriatelly shaped cut-outs for the socket. Height: 6 cm. Color: blue.

REF	Side
20.830.100.00	Left
20.830.200.00	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 w/ WJT Logo AK 115cm
90.302.020.10	Prosthesis Bag w/ WJT Logo BK 77cm



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: 1,100 mm, width: 450 mm.

REF	Product
90.302.033.00	Plastic Bag f.Prostheses w/ WJT Logo



# Overview Portfolio BK Stump Socks

- Made from high-quality nylon or cotton-bled yarn, in different thicknesses
- Available in up to 5 colors
- Available in a distally closed version or with a hole for liner pins

### **Use of Organic Cotton:**

- Very soft quality
- Especially skin-friendly
- Sustainable due to low water consumption
- Without chemical treatment



Version with silicone Pin Hole

### **Versions:**

Version	Product	Colors	Composition	Elasticity (Circum- ference)	Color Code für Whipped Seam and Lenght Indication
Especially Thin Version	<b>Nylon</b> Slim	White	90 % PA, 10 % EA	55 cm	Black
Thin Version	Cotton Fine	White, Beige, Denim, Natural-Colored, Black	85 % CO, 13 % PA, 2 % EA	50 cm	Light Blue
Medium Thick Version	Terry <b>Cotton</b>	White, Beige, Denim, Natural-Colored, Black	85 % CO, 15 % PA	50 cm	Pink
Thick Version	Terry <b>Cotton</b> Extra	White, Natural-Colored	90 % CO, 9 % PA, 1 % EA	50 cm	Green

### **Additional Versions:**

- Stump Socks for volume compensation, different thicknesses in the distal and proximal area. Available in two versions (proximal thin / distal thick), (proximal thick / distal thin).
- Especially elastic stump socks.
- Individual logo socks, manufactured according to your specifications.

Version	Product	Colors	Composition	Elasticity (Circum- ference)	Color Code für Whipped Seam and Lenght Indication
Volume Compensation Proximal Thin / Distal Thick	<b>Cotton</b> Thin-Thick	White	85 % CO, 13 % PA, 2 % EA	58 cm	Grey
Volume Compensation Proximal Thick / Distal Thin	<b>Cotton</b> Thick-Thin	White	85 % CO, 13 % PA, 2 % EA	58 cm	Bordeaux
Thin Version, Especially Elastic	<b>Cotton</b> Fine Ultra	White	78 % CO, 20 % PA, 2 % EA	60 cm	Purple
Thick Version, Especially Elastic	Terry <b>Cotton</b> Ultra	White	85 % CO, 13 % PA, 1 % EA	60 cm	Red

# ◆ Stump Socks for BK Amputees, Color: White ☐





Distally Closed Version

Version with Pin Hole

Version	Product	Length	Distally Closed	With Pin Hole	Elasticity (Circumference)
Especially	Nylon	25	30.410.025.00	30.410.725.10	55 cm
Thin Version	Slim White	30	30.410.030.00	30.410.730.10	55 cm
	wille	35	30.410.035.00	30.410.735.10	55 cm
		40	30.410.040.00	30.410.740.10	55 cm
		45	30.410.045.00	30.410.745.10	55 cm
		50	30.410.050.00	30.410.750.10	55 cm





Distally Closed Version

Version with Pin Hole





Distally Closed Version

Version with Pin Hole



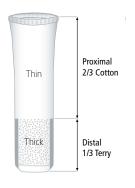


Distally Closed Version

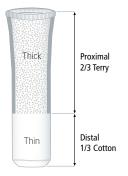
Version with Pin Hole

Version	Product	Length	Distally Closed	With Pin Hole	Elasticity (Circumference)
Thin Version	Cotton	25	30.676.025.00	30.676.725.10	50 cm
	Fine White	30	30.676.030.00	30.676.730.10	50 cm
	Wille	35	30.676.035.00	30.676.735.10	50 cm
		40	30.676.040.00	30.676.740.10	50 cm
		45	30.676.045.00	30.676.745.10	50 cm
		50	30.676.050.00	30.676.750.10	50 cm
		60	30.676.060.00	30.676.760.10	50 cm
Medium Thick	Terry	25	30.686.025.00	30.686.725.10	50 cm
Version	<b>Cotton</b> White	30	30.686.030.00	30.686.730.10	50 cm
		35	30.686.035.00	30.686.735.10	50 cm
		40	30.686.040.00	30.686.740.10	50 cm
		45	30.686.045.00	30.686.745.10	50 cm
		50	30.686.050.00	30.686.750.10	50 cm
		60	30.686.060.00	30.686.760.10	50 cm
Thick Version	Terry	25	30.745.025.00	30.745.725.10	50 cm
	<b>Cotton</b> Extra	30	30.745.030.00	30.745.730.10	50 cm
	White	35	30.745.035.00	30.745.735.10	50 cm
		40	30.745.040.00	30.745.740.10	50 cm
		45	30.745.045.00	30.745.745.10	50 cm
		50	30.745.050.00	30.745.750.10	50 cm
		60	30.745.060.00	30.745.760.10	50 cm

# ◆ Stump Socks for BK-Amputees, for Volume Compensation



Version	Product	Length	Distally Closed	With Pin Hole	Elasticity (Circumference)
Volume Com-	Cotton	30	30.751.030.00	30.751.730.10	58 cm
pensation, Proximal Thin		35	30.751.035.00	30.751.735.10	58 cm
/ Distal Thick		40	30.751.040.00	30.751.740.10	58 cm
		45	30.751.045.00	30.751.745.10	58 cm



Version	Product	Length	Distally Closed	With Pin Hole	Elasticity (Circumference)
Volume Com-		30	30.752.030.00	30.752.730.10	58 cm
pensation,		35	30.752.035.00	30.752.735.10	58 cm
Proximal Thick Wh / Distal Thin	wille	40	30.752.040.00	30.752.740.10	58 cm
		45	30.752.045.00	30.752.745.10	58 cm

# Stump Socks for BK-Amputees, Especially Elastic, for large stump circumferences

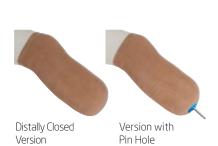


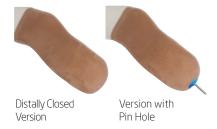
Version	Product	Length	Distally Closed	Version with Pin Hole	Elasticity (Circumference)
Thin	Cotton	25	30.420.025.00	30.420.725.10	60 cm
Version, Especially	Fine Ultra	30	30.420.030.00	30.420.730.10	60 cm
Elastic	White	35	30.420.035.00	30.420.735.10	60 cm
		40	30.420.040.00	30.420.740.10	60 cm
		45	30.420.045.00	30.420.745.10	60 cm
		50	30.420.050.00	30.420.750.10	60 cm
		60	30.420.060.00	30.420.760.10	60 cm
Thick	Terry	25	30.790.025.00	30.790.725.10	60 cm
Version,	Cotton Ultra	30	30.790.030.00	30.790.730.10	60 cm
Especially Elastic	White	35	30.790.035.00	30.790.735.10	60 cm
		40	30.790.040.00	30.790.740.10	60 cm
		45	30.790.045.00	30.790.745.10	60 cm
		50	30.790.050.00	30.790.750.10	60 cm
		60	30.790.060.00	30.790.760.10	60 cm

# Stump Socks for BK-Amputees, Cotton Coloured

# • Stump Socks for BK-Amputees, Color: Beige







Version	Product	Length	Distally Closed	With Pin Hole	Elasticity (Circumference)
Thin	Cotton	25	30.750.025.00	30.750.725.10	50 cm
Version	Fine Beige	30	30.750.030.00	30.750.730.10	50 cm
	Deige	35	30.750.035.00	30.750.735.10	50 cm
		40	30.750.040.00	30.750.740.10	50 cm
		45	30.750.045.00	30.750.745.10	50 cm
		50	30.750.050.00	30.750.750.10	50 cm
		60	30.750.060.00	30.750.760.10	50 cm
Medium Thick	Terry	25	30.744.025.00	30.744.725.10	50 cm
Version	Cotton	30	30.744.030.00	30.744.730.10	50 cm
	Beige	35	30.744.035.00	30.744.735.10	50 cm
		40	30.744.040.00	30.744.740.10	50 cm
		45	30.744.045.00	30.744.745.10	50 cm
		50	30.744.050.00	30.744.750.10	50 cm
		60	30.744.060.00	30.744.760.10	50 cm
Thick	Terry	25	30.746.025.00	30.746.725.10	50 cm
Version	<b>Cotton</b> Extra	30	30.746.030.00	30.746.730.10	50 cm
	Beige	35	30.746.035.00	30.746.735.10	50 cm
	-	40	30.746.040.00	30.746.740.10	50 cm
		45	30.746.045.00	30.746.745.10	50 cm
		50	30.746.050.00	30.746.750.10	50 cm
		60	30.746.060.00	30.746.760.10	50 cm

# • Stump Socks for BK Amputees, Color: Denim

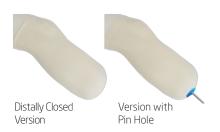




Version	Product	Length	<b>Distally Closed</b>	With Pin Hole	Elasticity (Circumference)
Thin Version	Cotton	30	30.679.030.00	30.679.730.10	50 cm
	Fine Denim	35	30.679.035.00	30.679.735.10	50 cm
	Derilli	40	30.679.040.00	30.679.740.10	50 cm
		45	30.679.045.00	30.679.745.10	50 cm
		50	30.679.050.00	30.679.750.10	50 cm
Medium Thick	Terry	30	30.689.030.00	30.689.730.10	50 cm
Version	Cotton	35	30.689.035.00	30.689.735.10	50 cm
	Denim	40	30.689.040.00	30.689.740.10	50 cm
		45	30.689.045.00	30.689.745.10	50 cm
		50	30.689.050.00	30.689.750.10	50 cm

# • Stump Socks for BK Amputees, Color: Natural





Version	Product	Length	Distally Closed	With Pin Hole	Elasticity (Circumference)
Thin Version	Cotton	25	30.680.025.00	30.680.725.10	50 cm
	Fine Natural-	30	30.680.030.00	30.680.730.10	50 cm
	Col.	35	30.680.035.00	30.680.735.10	50 cm
		40	30.680.040.00	30.680.740.10	50 cm
		45	30.680.045.00	30.680.745.10	50 cm
		50	30.680.050.00	30.680.750.10	50 cm
Medium Thick Version	k Terry	30	30.690.030.00	30.690.730.10	50 cm
	Cotton	35	30.690.035.00	30.690.735.10	50 cm
	4	40	30.690.040.00	30.690.740.10	50 cm
		45	30.690.045.00	30.690.745.10	50 cm
		50	30.690.050.00	30.690.750.10	50 cm

# • Stump Socks for BK Amputees, Color: Black



Version	Product	Length	Distally Closed	With Pin Hole	Elasticity (Cir- cumference)
Thin Version	Cotton	30	30.683.030.00	30.683.730.10	50 cm
	Fine Black	35 <b>30.683.035.00 30.683.73</b>	30.683.735.10	50 cm	
	DIdCK	40	30.683.040.00	30.683.740.10	50 cm
		45	30.683.045.00	30.683.745.10	50 cm
		50	30.683.050.00	30.683.750.10	50 cm
Medium Thick Version	Terry	30	30.693.030.00	30.693.730.10	50 cm
	Cotton	55 50.035.00 50.0	30.693.735.10	50 cm	
	Black	40	30.693.040.00	30.693.740.10	50 cm
		45	30.693.045.00	30.693.745.10	50 cm
		50	30.693.050.00	30.693.750.10	50 cm



Exmaple of Use with Logo, Distally Closed



Exmaple of Use with Logo, with Pin Hole

### Overview Portfolio 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.

### Sampling Fee

We charge a one-time sampling fee for one sample sock, REF 39.997.026.00. By first producing a sample we can ensure that your logo is depicted correctly.

Minimum order quantity: 20 pcs/sock variety, color and length.

REF	Product
39.997.026.00	Sampling Fee Stumpf Socks w/Logo
90.302.041.03	Sample Set Cotton Stump Socks DE

### • Important Information for Stump Socks LOGO

- Required file format of the logo provided: .bmp, .jpg, .png
- No restrictions on standard colors
- The logo can be produced in multiple colors
- The image file of the logo is requested for each order, to ensure that always the current logo is used
- A sample or image of the stump sock is sent for approval of the logo
- The knitted lenght indication can be found on the toe of the socks, not on the edge as with the standard socks

Version	Product	Color	Composition	Elasticity (Circum- ference)	Color Code für Whipped Seam and Lenght Indication
Thin	Cotton Fine	White, Natural-Colored, Black	85 % CO, 13 % PA, 2 % EA	50 cm	Light Blue
Medium Thick	Terry <b>Cotton</b>	White, Natural-Colored, Black	85 % CO, 15 % PA	50 cm	Pink
Thick	Terry <b>Cotton</b> Extra	White, Natural-Colored	90 % CO, 9 % PA, 1% EA	50 cm	Green
Thick, Especially Elastic	Terry <b>Cotton</b> Ultra	White	85 % CO, 13 % PA, 2 % EA	60 cm	Red



Example of Use with Logo and Pin Hole

# ◆ Stump Socks LOGO

Cotton Fine, Custom Logo				
Color: White	Color: Beige	Color: Black	Length/cm	
99.803.030.10	99.804.030.10	99.907.030.10	30	
99.803.035.10	99.804.035.10	99.907.035.10	35	
99.803.040.10	99.804.040.10	99.907.040.10	40	
99.803.045.10	99.804.045.10	99.907.045.10	45	
99.803.050.10	99.804.050.10	99.907.050.10	50	

Terry Cotton, Custom Logo				
Color: White	Color: Beige	Color: Black	Length/cm	
99.903.030.10	99.900.030.10	99.908.030.10	30	
99.903.035.10	99.900.035.10	99.908.035.10	35	
99.903.040.10	99.900.040.10	99.908.040.10	40	
99.903.045.10	99.900.045.10	99.908.045.10	45	
99.903.050.10	99.900.050.10	99.908.050.10	50	

Terry Cotton Extra, Custom Logo				
Color: White	Color: Beige	Length/cm		
99.905.030.10	99.904.030.10	30		
99.905.035.10	99.904.035.10	35		
99.905.040.10	99.904.040.10	40		
99.905.045.10	99.904.045.10	45		
99.905.050.10	99.904.050.10	50		

Terry Cotton Ultra, Custom Logo			
Color: White	Length/cm		
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		

Non-standard Stump Socks Logo	
REF	Product
99.000.999.01	Stump Socks Logo non-standard



Example of Use with Logo and Pin Hole

# • Stump Socks LOGO, Liner Version

Cotton Fine, Liner Version, Custom Logo				
Color: White	Color: Beige	Color: Black	Length/cm	
99.803.730.10	99.804.730.10	99.907.730.10	30	
99.803.735.10	99.804.735.10	99.907.735.10	35	
99.803.740.10	99.804.740.10	99.907.740.10	40	
99.803.745.10	99.804.745.10	99.907.745.10	45	
99.803.750.10	99.804.750.10	99.907.750.10	50	

Terry Cotton, Liner Version, Custom Logo				
Color: White	Color: Beige	Color: Black	Length/cm	
99.903.730.10	99.900.730.10	99.908.730.10	30	
99.903.735.10	99.900.735.10	99.908.735.10	35	
99.903.740.10	99.900.740.10	99.908.740.10	40	
99.903.745.10	99.900.745.10	99.908.745.10	45	
99.903.750.10	99.900.750.10	99.908.750.10	50	

Terry Cotton Extra, Liner Version, Custom Logo			
Color: White	Color: Beige	Length/cm	
99.905.730.10	99.904.730.10	30	
99.905.735.10	99.904.735.10	35	
99.905.740.10	99.904.740.10	40	
99.905.745.10	99.904.745.10	45	
99.905.750.10	99.904.750.10	50	

Terry Cotton Ultra, Liner Version, Custom Logo					
Color: White	Length/cm				
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				

Non-standard Stump Socks Logo liner version				
REF Product				
99.000.999.02	Stumpf Socks logo liner version non standard			



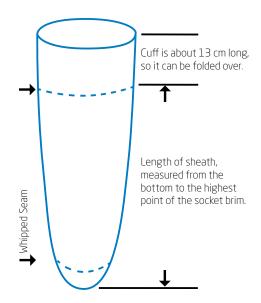
Application Example

### Overview Portfolio Nylon Sheath (TT and TF)

- Sheaths made of high quality nylon material, available in various designs, to be worn under wool socks, like a second skin.
- Textured on the inside: This makes the sheath stick to the skin.
- Smooth on the outside: This makes the wool sock glide over the protective cover.
- Available in 6 different shapes.
- Depending on the design, lengths from 15 cm to 80 cm, in increments of 5 cm, are available.
- Shape A, B, C and D are also available in a version with a pin hole.
- Shape A and B are also available in a version for knee disarticulation.

### **Versions:**

Version	Product	Colors	Composition	Fitting Wool Sock Widths	Elasticity (Circumference)
Shape A (20)	Sheath	White	100 % Nylon	18 x 9, 20 x 10 (Thigh)	max. 50 cm
Shape B (25)	Sheath	White	100 % Nylon	22 x 12, 24 x 14 (Thigh)	max. 60 cm
Shape C (30)	Sheath	White	100 % Nylon	24x14 (Thigh)	>60 cm
Shape D (17)	Sheath	White	100 % Nylon	14 x 10, 15 x 9, 15 x 10 (Lower Leg)	max. 35 cm
Shape E (12)	Sheath	White	100 % Nylon	12 x 9 (Upper Extremity, Arm)	max. 30 cm
Shape F	Sheath	White	100 % Nylon	(Upper Extremity, Hand)	n/a



### **Size Determination**

The thigh circumference at the top edge of the prosthesis determins shape A, B, C, D etc. The listed lengths apply without the hem (13 cm) and should be measured from the end of the rsidual limb to the edge of the prosthesis.

# ◆ Nylon Sheaths (TT and TF)

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 Sheaths 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 Sheaths 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

### Overview Portfolio Stump Socks for AK-Amputees

- Stockings made of high quality new wool or new wool blends, available in various designs.
- The flat knitted stockings are available in 7 different widths.
- Depending on the design, lengths from 25 cm to 100 cm, in increments of 5 cm, are avilable.
- The stockings can also be made with a hole for liner pin when ordered as a custom item.
- Stockings made of a new wool/CoolMax blend, especially elastic.
- Stockings made of CoolMax yarn, especially elastic.

### **Versions:**

Version	Product	Colors	Composition	Available Widths (Top/Bottom)
Thin Version	Classic Fine 3318	Natural-Colored	70 % New Wool, 30 % Viscose Color Code Hem: White	14 x 10, 15 x 9, 18 x 9, 20 x 10, 22 x 12, 24 x 14
Medium Thick Version	Classic Standard 3300	Natural-Colored	70 % New Wool, 30 % Viscose Color Code Hem: Salmon	14 x 10, 15 x 9, 15 x 10, 18 x 9, 20 x 10, 22 x 12, 24 x 14
Medium Thick Version, Especi- ally Elastic	Classic Stretch	Natural-Colored	55 % New Wool, 24 % Viscose, 20 % Polyester, 1 % Spandex	12 x 9, 17 x 10, 22 x 12
Medium Thick Version, Especi- ally Elastic	CoolMax	White	95 % Polyester, 5 % Spandex	15 x 9, 18 x 13
Thick Version	Classic Extra 3303	Natural-Colored	70 % New Wool, 30 % Viscose Color Code: Green	15 x 9, 18 x 9, 20 x 10, 22 x 12, 24 x 14

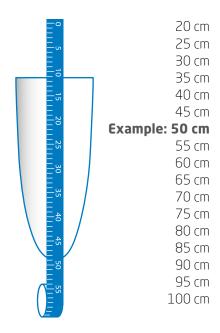
# Width Determination for Classic Socks

# Top Width **Example:**14 cm 14 x 10 cm

Bottom Width: Always measure 10 cm above end of residual limb.

# **Length Determination for Classic Socks**

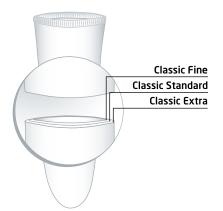
Residual Limb + Desired Turn-Up = Sock Length





# ◆ Stump Socks 3318 Classic Fine

70 % new wool, 30 % viscose, color code hem seam: white.



**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 Class	ic Fine						
Length /cm	Width/cm Top/Bottom 14 x 10	Width/cm Top/Bottom 15 x 9	Width/cm Top/Bottom 18 x 9	Width/cm Top/Bottom 20 x 10	Width/cm Top/Bottom 22 x 12	Width/cm Top/Bottom 24 x 14	Length /cm
25				30.173.025.00	30.174.025.00	30.175.025.00	25
30		30.191.030.00	30.172.030.00	30.173.030.00	30.174.030.00	30.175.030.00	30
35		30.191.035.00	30.172.035.00	30.173.035.00	30.174.035.00	30.175.035.00	35
40	30.193.040.00	30.191.040.00	30.172.040.00	30.173.040.00	30.174.040.00	30.175.040.00	40
45	30.193.045.00	30.191.045.00	30.172.045.00	30.173.045.00	30.174.045.00	30.175.045.00	45
50	30.193.050.00	30.191.050.00	30.172.050.00	30.173.050.00	30.174.050.00	30.175.050.00	50
55	30.193.055.00	30.191.055.00	30.172.055.00	30.173.055.00	30.174.055.00		55
60	30.193.060.00	30.191.060.00	30.172.060.00	30.173.060.00	30.174.060.00	30.175.060.00	60
65		30.191.065.00	30.172.065.00	30.173.065.00	30.174.065.00	30.175.065.00	65
70		30.191.070.00	30.172.070.00	30.173.070.00	30.174.070.00	30.175.070.00	70
75		30.191.075.00	30.172.075.00	30.173.075.00	30.174.075.00	30.175.075.00	75
80			30.172.080.00	30.173.080.00	30.174.080.00	30.175.080.00	80
85			30.172.085.00	30.173.085.00	30.174.085.00	30.175.085.00	85
90				30.173.090.00			90
95			30.172.095.00				95
100				30.173.100.00	30.174.100.00	30.175.100.00	100

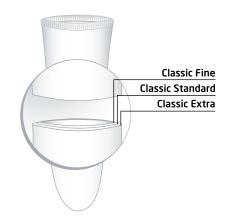
# **Classic Socks, Custom Features**

Classic Custom Fe	Classic Custom Features			
REF Product				
<b>30.671.099.00</b> Charge for Pin Hole				
39.997.025.00	Charge f.Stump Socks			



# ◆ 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 C	lassic Standard							
Length /cm	Width/cm Top/ Bottom 14 x 9	Width/cm Top/ Bottom 15 x 10	Width/cm Top/ Bottom 14 x 10	Width/cm Top/Bottom 18 x 9	Width/cm Top/Bottom 20 x 10	Width/cm Top/Bottom 22 x 12	Width/cm Top/ Bottom 24 x 14	Length /cm
25		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		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
35		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
40	30.194.040.00	30.192.040.00	30.622.040.00	30.176.040.00	30.177.040.00	30.178.040.00	30.179.040.00	40
45	30.194.045.00	30.192.045.00	30.622.045.00	30.176.045.00	30.177.045.00	30.178.045.00	30.179.045.00	45
50	30.194.050.00	30.192.050.00	30.622.050.00	30.176.050.00	30.177.050.00	30.178.050.00	30.179.050.00	50
55	30.194.055.00	30.192.055.00	30.622.055.00	30.176.055.00	30.177.055.00	30.178.055.00	30.179.055.00	55
60	30.194.060.00	30.192.060.00	30.622.060.00	30.176.060.00	30.177.060.00	30.178.060.00	30.179.060.00	60
65		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
70		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
75		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
80				30.176.080.00	30.177.080.00	30.178.080.00	30.179.080.00	80
85				30.176.085.00	30.177.085.00	30.178.085.00	30.179.085.00	85
90				30.176.090.00	30.177.090.00	30.178.090.00	30.179.090.00	90
95					30.177.095.00	30.178.095.00	30.179.095.00	95
100				30.176.100.00	30.177.100.00	30.178.100.00	30.179.100.00	100

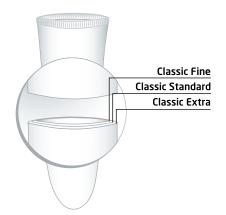
### **Classic Socks, Custom Features**

Classic Custom Features				
REF Product				
30.671.099.00	Charge for Pin Hole			
39.997.025.00	Charge f.Stump Socks			



# ◆ Stump Socks 3303 Classic Extra

70 % new wool, 30 % viscose, color code hem seam: green, inside lightly roughened.



**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								
Length/ cm	Width/cm Top/Bottom 15 x 9	Width/cm Top/Bottom 18 x 9	Width/cm Top/Bottom 20 x 10	Width/cm Top/Bottom 22 x 12	Width/cm Top/Bottom 24 x 14	Length/ cm		
25			30.181.025.00	30.182.025.00		25		
30	30.528.030.00	30.180.030.00	30.181.030.00	30.182.030.00	30.183.030.00	30		
35	30.528.035.00	30.180.035.00	30.181.035.00	30.182.035.00	30.183.035.00	35		
40	30.528.040.00	30.180.040.00	30.181.040.00	30.182.040.00	30.183.040.00	40		
45	30.528.045.00	30.180.045.00	30.181.045.00	30.182.045.00	30.183.045.00	45		
50	30.528.050.00	30.180.050.00	30.181.050.00	30.182.050.00	30.183.050.00	50		
55	30.528.055.00	30.180.055.00	30.181.055.00	30.182.055.00	30.183.055.00	55		
60	30.528.060.00	30.180.060.00	30.181.060.00	30.182.060.00	30.183.060.00	60		
65	30.528.065.00	30.180.065.00	30.181.065.00	30.182.065.00	30.183.065.00	65		
70	30.528.070.00	30.180.070.00	30.181.070.00	30.182.070.00	30.183.070.00	70		
75	30.528.075.00	30.180.075.00	30.181.075.00	30.182.075.00	30.183.075.00	75		
80		30.180.080.00	30.181.080.00	30.182.080.00	30.183.080.00	80		
85		30.180.085.00	30.181.085.00	30.182.085.00	30.183.085.00	85		
90			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.Stump Socks	



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 12 x 9	Width/cm Top/Bottom 17 x 10	Width/cm Top/Bottom 22 x 12	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



30.714.0XX.XX

### **◆ 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.

(95 % Polyester, 5 % Spandex)

Skin	124	Textile CoolMax Air
Moisture		,
	C.	

Enlarged respresentation of four-channel fiber.

CoolMax			
Standard Width/cm Top/Bottom 15 x 9	Liner (PIN) Width/cm Top/Bottom 15 x 9	Knee Disart. Width/cm Top/Bottom 18 x 13	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

### Overview Portfolio Other Socks

- Stockings made of high quality new wool blends for arm prostheses.
- The flat knitted socks are available in 4 widths.
- Chopart and Lisfranc socks, as well as socks for the other foot.
- With knitted-on foot with heel, also available as custom items. Corresponding socks for the opposite side available in same quality and color.
- Forefoot socks and socks for the other foot.
- Soft forefoot socks in 6 forefoot lengths. Corresponding socks for the opposite side available in same quality and color.

### **Versions:**

<b>Product Cate</b>	Version	Product	Colors	Composition	Available Widths and Lengths
Stump Socks for Arm Pros- theses	Medium Thick Version	Classic Standard 3300	Natural-Colored	70 % New Wool, 30 % Viskose C:olor Code Hem: Salmon	Width: $12 \times 7$ , $12 \times 7.5$ , $12 \times 8$ , $12 \times 9$ Length: $20 - 60$ cm, depending on width.
Chopart- and Lis- franc-Socks, and Socks for the Opposite Side	Thick Version	Chopart- and Lisfranc- Socks, Mott- led Gray	Mottled Gray	80 % New Wool, 20 % Polyamide	Length: 11 - 16 cm (Chopart) 17 - 24 cm (Lisfranc) 35 - 38, 39 - 42, 43 - 46 (Shoe Size)
Forefoot Socks and Socks for the Opposite Side	Thin Version	Forefoot Sock Cotton	Black	80 % Cotton, 15 % Polyamide 5 % Spandex	Length: 11- 22 cm (Foot Length) 35 - 38 to 43 - 46 (Shoe Size)



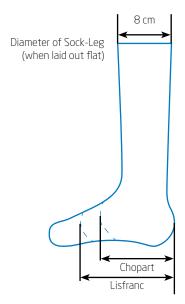
# Stump Socks for Arm Prostheses

70 % new wool, 30 % viscose, color code hem seam: salmon.

### 30.XXX.XXX.XX

Stump Socks for Arm Prostheses		
3300 Classic Standard, Color Code Hem: Salmon	Length/cm	Width/cm Top/Bottom
30.188.020.00	20	12 x 9
30.188.025.00	25	12 x 9
30.188.030.00	30	12 x 8
30.188.035.00	35	12×8
30.188.040.00	40	12 x 7.5
30.188.045.00	45	12 x 7.5
30.188.050.00	50	12×7
30.188.055.00	55	12 x 7
30.188.060.00	60	12 x 7





# Chopart and Lisfranc Socks

# • Chopart and Lisfranc Socks, Mottled Gray

With knit-on foot with heel, length of sock leg:  $38 \, \text{cm}$ , diameter of leg (when laid out flat):  $8 \, \text{cm}$ .  $80 \, \%$  new wool,  $20 \, \%$  polyamide.

Chopart	
REF	Foot Length/cm
30.611.110.01	11 - 12
30.611.130.01	13 - 14
30.611.150.01	15 - 16

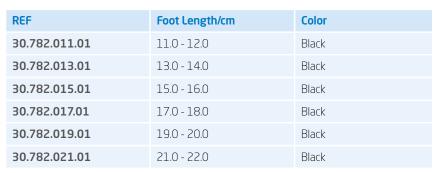
Lisfranc	
REF	Foot Length/cm
30.612.170.01	17 - 18
30.612.190.01	19 - 20
30.612.210.01	21 - 22

### • Socks, Gray

Matching the Chopart and Lisfranc Socks Above		
REF	Shoe Size/(Size)	Length/cm
30.613.010.01	35-38	25
30.613.011.01	39-42	29
30.613.012.01	43-46	31

### Forefoot Socks

Soft forefoot socks in six different forefoot lengths. The special knit fabric guarantees a high level of wearing comfort without any pressure. 80 % Cotton, 15 % Polyamide, 5 % Spandex, height: 25 cm. Packing unit: 1 pair.









### Socks

Identical in quality and color, these socks are a perfect addition to the forefoot socks. Packing unit: 1 pair.

Matching the Forefoot Socks, REF 30.78X.XXX.XX			
REF	Shoe Size	Color	
30.772.036.01	35 - 38	Black	
30.772.039.01	39 - 42	Black	
30.772.045.01	43 - 46	Black	

# **Legacy Liner**





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)

### 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.

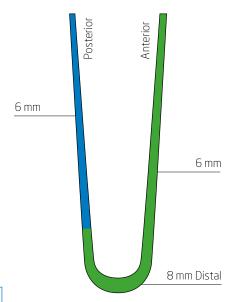
The locking style version of the liner features oneway stretch Select Fabric on the distal end to minimize pistoning without requiring a constrictive distal matrix. The classic Alpha Gel allows for maximum cushioning and comfort even for users with more sensitive residual limbs.

# Technician's Tip:

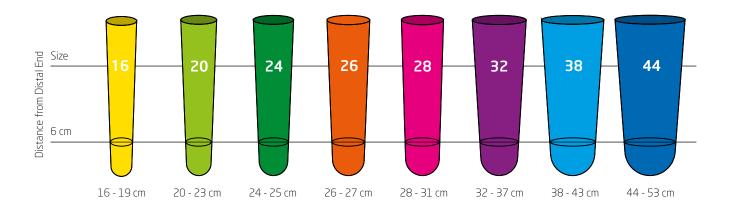
The 6-mm gel profile allows users of alternative profiles from other manufacturers to experience the comfort and wearing benefits of original WillowWood Liners.

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.

### **Basic Profile**



# Sizing Guide: Alpha Basic Liner



## Size Chart: Alpha Basic Liner, Locking

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 Liner, Cushion

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



Material	Soft Silicone
Fabric Type	Original <sup>1)</sup> , Select <sup>2)</sup>
Color	Buff; Gray/White
Suspension Style	Available in locking and cushion style
Profile/Umbrella	Uniform/Standard
Compatibility	For Liner with Uniform Profile
Total Length	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.

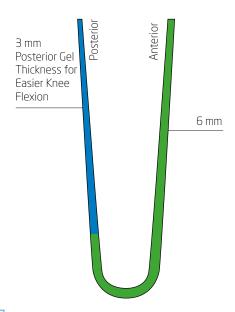
The Select Fabric Cover makes for extraordinary circumferential stretch, yet maintains liner elongation within specified limits.

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.

# Technician's 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, for already existing prosthetic sockets.

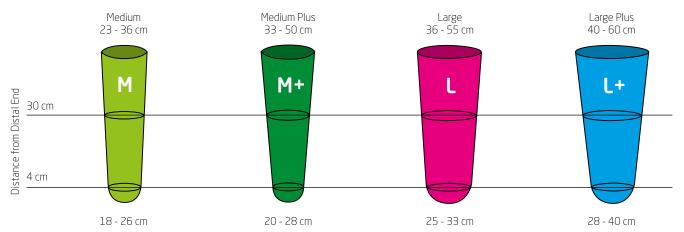
#### **Uniform Profil**



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

<sup>&</sup>lt;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, <u>Cushion</u> 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



Material	Classic Gel
Fabric Type	Original*
Color	Green/Gray
Suspension Style	Available in locking and cushion style
Profile/Umbrella	Uniform/Standard
Profile/Umbrella	Contoured/Standard Tapered/Standard
Compatibility	For Liner with Uniform Profile
Total Length	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. The sizes Medium. Medium Plus and Large are also available in the additional profiles Contoured and Tapered (different gel thicknesses).

# Technician's 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 properties.

Contoured Profile: Additional gel pads to the left and the right

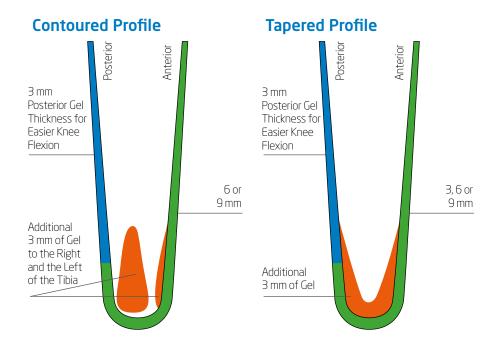
of the tibia. Especially recommendable for

users with a sensitive tibial area.

Tapered Profile: Features an additional 3 mm of gel all

around the distal area for maximum

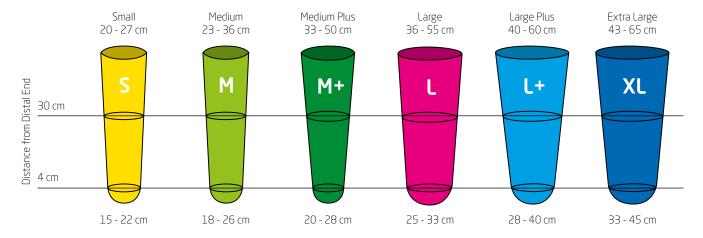
distal padding.



# **Ordering Guidelines: Alpha Original Liner**

	WW.ALC-5066-E	Ordering Example for Alpha Original Liner
Model	ALC	ALC = Alpha Cushion Liner ALL = Alpha Locking Liner
Profile	5	5 = Uniform 7 = Tapered (for Sizes Medium, Medium Plus and Large Only) 9 = Contoured (for Sizes Medium, Medium Plus and Large Only)
Fabric Type	o	0 = Original Fabric Cover: Green/Gray
Gel Thickness	6	3 = 3 mm (for Uniform or Tapered Liner Profiles Only) 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 Original Liner**



#### 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, <u>Cushion</u>

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

#### Information on Color Denotation:

Available upon advance order, not in regular stock.

#### 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, <u>Cushion</u>

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

#### Information on Color Denotation:

Available upon advance order, not in regular stock.



Material	Classic Gel
Fabric Type	Spirit*
Color	Buff
Suspension Style	Available in locking and cushion style
Profile/Umbrella	Uniform/Standard
Compatibility	For Liner with Uniform Profile
Total Length	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.

# Technician's Tip:

6 mm Liner: Perfectly combines good cushioning

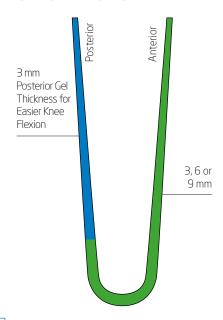
and good control over the prosthesis.

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 properties.

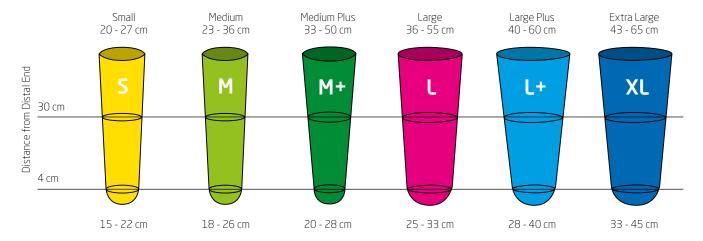
#### **Uniform Profile**



# **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

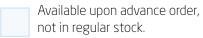


Available upon advance order, not in regular stock.

# Size Chart: Alpha Spirit Liner, Uniform Profile, <u>Cushion</u>

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

#### Information on Color Denotation:





Material	Classic Gel
Fabric Type	MAX*
Color	Buff
Suspension Style	Available in locking and cushion style
Profile/Umbrella	Uniform/Standard
Compatibility	For Liner with Uniform Profile
Total Length	46 cm (+/- 1.5 cm)

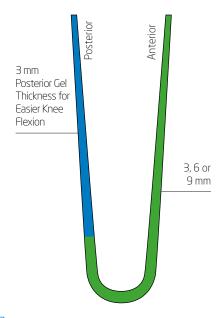
#### Alpha MAX Liner

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.

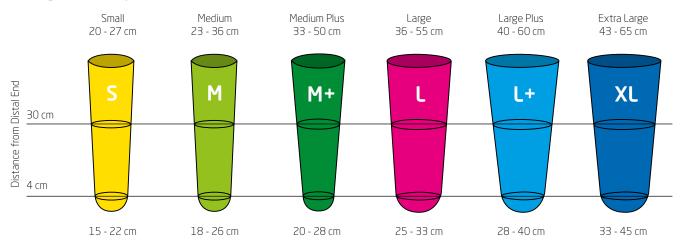
#### **Uniform Profile**



# **Ordering Guidelines: Alpha MAX Liner**

	WW.ALC-5866-X	Ordering Example for Alpha MAX Liner
Model	ALC	ALC = Alpha Cushion Liner ALL = Alpha Locking Liner
Profile	5	5 = Uniform
Fabric Type	8	8 = MAX Fabric Cover: Buff
Gel Thickness	6	3 = 3 mm 6 = 6 mm 9 = 9 mm
Size	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

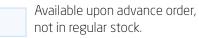


Available upon advance order, not in regular stock.

# 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

#### Information on Color Denotation:





Material	Soft Silicone
Fabric Type	Spirit <sup>1)</sup> , MAX <sup>2)</sup> , Select <sup>3)</sup>
Color	Buff; Dark Gray
Suspension Style	Available in locking and cushion style
Profile/Umbrella	AK Profile/Standard
Compatibility	For Liner with AK Profile
Total Length	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:

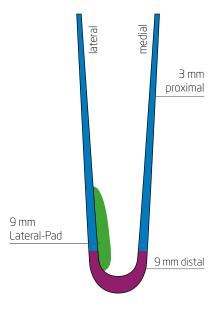
Locking liners come with a MAX or Select Fabric Cover. Cushion liners come with a Spirit or Select Fabric Cover.

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

# Technician's 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.

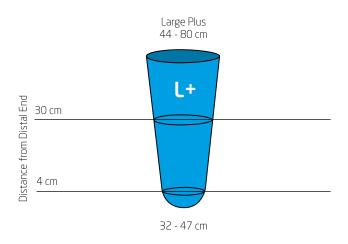
#### **AK Profile**



<sup>&</sup>lt;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>&</sup>lt;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 Liner, Locking

REF Locking Liner	Profile	Fabric Type	Gel Thick- ness/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 Thick- ness/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 Liner, Cushion

REF Cushion Liner	Profile	Fabric Type	Gel Thick- ness/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 Thick- ness/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



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

#### ◆ Alpha Classic® AK Liner

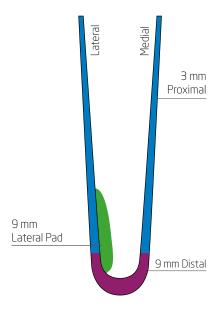
Because their residual limbs often are very sensitive, transfemoral amputees have particular needs concerning socket cushioning. Alpha AK Classic Liners were designed with transfemoral users in mind, and offer support with their special composition and skin-friendly Alpha Gel. The liners feature a distal 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.

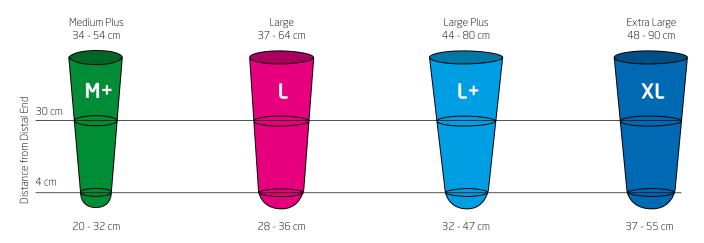
# Technician's Tip:

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 Liner, Locking

REF Locking Liner	Profile	Fabric Type	Gel Thick- ness/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 Liner, Cushion

REF Cushion Liner	Profile	Fabric Type	Gel Thick- ness/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



Material	Silicone with PCM
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)

#### OneSystem SmartTemp® AK Liner

The OneSystem SmartTemp AK Liner was designed to be used with the OneSystem AK (see page 110). This electronically controlled vacuum system can be used by transfemoral and knee disarticulated amputees without requiring any bothersome additional sleeves for proximal sealing.

The OneSystem SmartTemp Liner is a cushion liner without a fabric cover. Since a special, temperature regulating material based on PCM (Phase-Change-Material) 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.

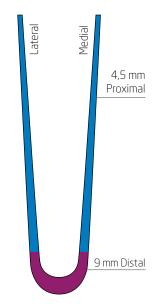
A OneSystem Silicone Sock is included with every OneSystem SmartTemp AK Liner (see page 309 for sizes).

Another required component for the OneSystem is the OneSystem Seal (see page 73).

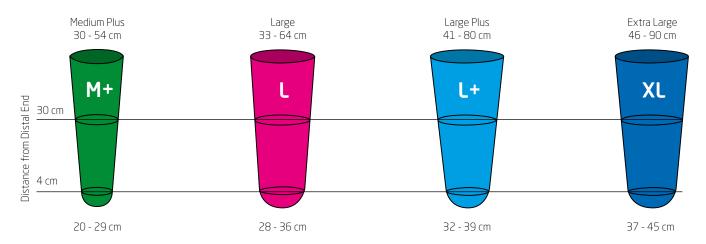
It is necessary to attend a seminar to get certified to offer the OneSystem to your customers.

The next available seminar dates can be found at www.wjt-ortho.com.

#### **OneSystem Symmetrical Profile**



## Sizing Guide: OneSystem SmartTemp® AK Liner



## Size Chart: OneSystem 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	OneSystem Symmetrical	No Fabric Cover	9 - 4.5	Medium Plus	20 - 29	30 - 54
WW.T990-1946	OneSystem Symmetrical	No Fabric Cover	9 - 4.5	Large	28 - 36	33 - 64
WW.T990-1948	OneSystem Symmetrical	No Fabric Cover	9 - 4.5	Large Plus	32 - 39	41 - 80
WW.T990-1947	OneSystem Symmetrical	No Fabric Cover	9 - 4.5	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					
<b>Optional Accessories</b>						
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					

# Notes



### Overview Product Care/Cleaning

#### **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** 



Delicate cycle at 30°C.



Do not bleach.



Do not tumble dry.



Do not iron.



Dry clean.

#### **Basic Line, Special Line and Cotton LOGO**



Delicate cycle at 40°C.



Do not bleach.



Do not tumble dry.



Do not iron.



Do not dry-clean.

#### 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.

#### • Compatibility of Modular Prosthetic Components

When using components by the corporations and brands WillowWood, OrthoEurope, KnieAgil, Proteor, TehLin and the Wilhelm Julius Teufel GmbH to fabricate a prosthetic limb, the following aspects have to be considered:

- 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 prothesis 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.
- 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.

## ◆ 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 Wilhelm Julius Teufel GmbH's 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
KnieAgil® Knee Joints	24 Months
Stump Socks	6 Months
META Family	24 Months
Intuy Knee (without Warranty Extension)	24 Months

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30.179.040.00       280       30.183.050.00       281       30.208.065.00         30.179.045.00       280       30.183.055.00       281       30.208.070.00         30.179.050.00       280       30.183.060.00       281       30.208.075.00         30.179.055.00       280       30.183.065.00       281       30.208.080.00         30.179.060.00       280       30.183.070.00       281       30.209.020.00         30.179.065.00       280       30.183.075.00       281       30.209.025.00         30.179.070.00       280       30.183.080.00       281       30.209.030.00	277277277277
30.179.040.00       280       30.183.050.00       281       30.208.065.00         30.179.045.00       280       30.183.055.00       281       30.208.070.00         30.179.050.00       280       30.183.060.00       281       30.208.075.00         30.179.055.00       280       30.183.065.00       281       30.208.080.00         30.179.060.00       280       30.183.070.00       281       30.209.020.00         30.179.065.00       280       30.183.075.00       281       30.209.025.00         30.179.070.00       280       30.183.080.00       281       30.209.030.00         30.179.075.00       280       30.183.085.00       281       30.209.035.00	277277277277
30.179.040.00       280       30.183.050.00       281       30.208.065.00         30.179.045.00       280       30.183.055.00       281       30.208.070.00         30.179.050.00       280       30.183.060.00       281       30.208.075.00         30.179.055.00       280       30.183.065.00       281       30.208.080.00         30.179.060.00       280       30.183.070.00       281       30.209.020.00         30.179.065.00       280       30.183.075.00       281       30.209.025.00         30.179.070.00       280       30.183.080.00       281       30.209.030.00         30.179.075.00       280       30.183.085.00       281       30.209.035.00         30.179.080.00       280       30.188.020.00       283       30.209.040.00	277277277277277
30.179.040.00       280       30.183.050.00       281       30.208.065.00         30.179.045.00       280       30.183.055.00       281       30.208.070.00         30.179.050.00       280       30.183.060.00       281       30.208.075.00         30.179.055.00       280       30.183.065.00       281       30.208.080.00         30.179.060.00       280       30.183.070.00       281       30.209.020.00         30.179.065.00       280       30.183.075.00       281       30.209.025.00         30.179.070.00       280       30.183.080.00       281       30.209.030.00         30.179.075.00       280       30.183.085.00       281       30.209.035.00         30.179.080.00       280       30.188.020.00       283       30.209.045.00         30.179.085.00       280       30.188.025.00       283       30.209.045.00	277277277277277
30.179.040.00       280       30.183.050.00       281       30.208.065.00         30.179.045.00       280       30.183.055.00       281       30.208.070.00         30.179.050.00       280       30.183.060.00       281       30.208.075.00         30.179.055.00       280       30.183.065.00       281       30.208.080.00         30.179.060.00       280       30.183.070.00       281       30.209.020.00         30.179.065.00       280       30.183.075.00       281       30.209.025.00         30.179.070.00       280       30.183.080.00       281       30.209.035.00         30.179.075.00       280       30.183.085.00       281       30.209.035.00         30.179.080.00       280       30.188.020.00       283       30.209.040.00         30.179.085.00       280       30.188.025.00       283       30.209.045.00         30.179.090.00       280       30.188.030.00       283       30.209.050.00	277277277277277277
30.179.040.00       280       30.183.050.00       281       30.208.065.00         30.179.045.00       280       30.183.055.00       281       30.208.070.00         30.179.050.00       280       30.183.060.00       281       30.208.075.00         30.179.055.00       280       30.183.070.00       281       30.208.080.00         30.179.060.00       280       30.183.070.00       281       30.209.020.00         30.179.070.00       280       30.183.080.00       281       30.209.025.00         30.179.075.00       280       30.183.085.00       281       30.209.035.00         30.179.080.00       280       30.188.020.00       281       30.209.040.00         30.179.085.00       280       30.188.025.00       283       30.209.045.00         30.179.095.00       280       30.188.035.00       283       30.209.055.00	277277277277277277277

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30.209.080.00	277	30.420.725.10	270	30.676.050.00	269
30.210.020.00	277	30.420.730.10	270	30.676.060.00	269
30.210.025.00	277	30.420.735.10	270	30.676.725.10	269
30.210.030.00	277	30.420.740.10	270	30.676.730.10	269
30.210.035.00	277	30.420.745.10	270	30.676.735.10	269
30.210.040.00	277	30.420.750.10	270	30.676.740.10	269
30.210.045.00	277	30.420.760.10	270	30.676.745.10	269
30.210.050.00	277	30.528.030.00	281	30.676.750.10	269
30.210.055.00	277	30.528.035.00	281	30.676.760.10	269
30.210.060.00	277	30.528.040.00	281	30.679.030.00	27
30.210.065.00	277	30.528.045.00	281	30.679.035.00	27
30.210.070.00	277	30.528.050.00	281	30.679.040.00	27
30.210.075.00	277	30.528.055.00	281	30.679.045.00	27
30.211.020.00	277	30.528.060.00	281	30.679.050.00	27
30.211.025.00	277	30.528.065.00	281	30.679.730.10	27
30.211.030.00	277	30.528.070.00	281	30.679.735.10	27
30.211.035.00	277	30.528.075.00	281	30.679.740.10	27
30.211.040.00	277	30.532.000.00	104	30.679.745.10	272
30.211.045.00	277	30.611.110.01	284	30.679.750.10	272
30.211.050.00	277	30.611.130.01	284	30.680.025.00	27
30.211.055.00	277	30.611.150.01	284	30.680.030.00	27
30.211.060.00	277	30.612.170.01	284	30.680.035.00	272
30.211.065.00	277	30.612.190.01	284	30.680.040.00	272
30.211.070.00	277	30.612.210.01	284	30.680.045.00	27
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30.212.015.00	277	30.613.012.01	284	30.680.730.10	272
30.212.020.00	277	30.622.025.00	280	30.680.735.10	272
30.212.025.00	277	30.622.030.00	280	30.680.740.10	272
30.212.030.00	277	30.622.035.00	280	30.680.745.10	272
30.212.035.00	277	30.622.040.00	280	30.680.750.10	272
30.212.040.00	277	30.622.045.00	280	30.683.030.00	272
30.212.045.00	277	30.622.050.00	280	30.683.035.00	272
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30.410.745.10		30.669.341.00		30.686.725.10	
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30.689.730.10	272	30.708.045.00	277	30.746.760.10	271
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30.689.740.10	272	30.708.055.00	277	30.750.030.00	271
30.689.745.10	272	30.708.060.00	277	30.750.035.00	271
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30.690.035.00	272	30.714.035.00	282	30.750.050.00	271
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30.693.040.00	272	30.744.030.00	271	30.751.040.00	270
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30.693.745.10	272	30.744.725.10	271	30.752.030.00	270
30.693.750.10	272	30.744.730.10	271	30.752.035.00	270
30.700.020.00	277	30.744.735.10	271	30.752.040.00	270
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30.700.030.00	277	30.744.745.10	271	30.752.730.10	270
30.700.035.00	277	30.744.750.10	271	30.752.735.10	270
30.700.040.00	277	30.744.760.10	271	30.752.740.10	270
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30.700.060.00	277	30.745.040.00	269	30.760.035.00	282
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30.700.070.00	277	30.745.050.00	269	30.760.045.00	282
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30.701.030.00		30.745.735.10	269	30.761.030.00	282
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30.701.040.00		30.745.745.10	269	30.761.040.00	282
30.701.045.00		30.745.750.10	269	30.761.045.00	282
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274	99.905.050.10	273	90.302.041.03	282	30.762.070.00
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275	99.905.735.10	275	99.000.999.02	282	30.762.080.00
275	99.905.740.10	274	99.803.030.10	285	30.772.036.01
275	99.905.745.10	274	99.803.035.10	285	30.772.039.01
275	99.905.750.10	274	99.803.040.10	285	30.772.045.01
274	99.906.030.10	274	99.803.045.10	285	30.782.011.01
274	99.906.035.10	274	99.803.050.10	285	30.782.013.01
274	99.906.040.10	275	99.803.730.10	285	30.782.015.01
274	99.906.045.10	275	99.803.735.10	285	30.782.017.01
274	99.906.050.10	275	99.803.740.10	285	30.782.019.01
275	99.906.730.10	275	99.803.745.10	285	30.782.021.01
275	99.906.735.10	275	99.803.750.10	270	30.790.025.00
275	99.906.740.10	274	99.804.030.10	270	30.790.030.00
275	99.906.745.10	274	99.804.035.10	270	30.790.035.00
275	99.906.750.10	274	99.804.040.10	270	30.790.040.00
274	99.907.030.10	274	99.804.045.10	270	30.790.045.00
274	99.907.035.10	274	99.804.050.10	270	30.790.050.00
274	99.907.040.10	275	99.804.730.10	270	30.790.060.00
274	99.907.045.10	275	99.804.735.10	270	30.790.725.10
	99.907.050.10	275	99.804.740.10		30.790.730.10
275	99.907.730.10		99.804.745.10		30.790.735.10
	99.907.735.10		99.804.750.10		30.790.740.10
	99.907.740.10		99.900.030.10		30.790.745.10
	99.907.745.10		99.900.035.10		30.790.750.10
	99.907.750.10		99.900.040.10		30.790.760.10
	99.908.030.10		99.900.045.10		39.997.025.00
	99.908.035.10		99.900.050.10		39.997.026.00
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	99.908.045.10		99.900.735.10		40.507.020.00
	99.908.050.10		99.900.740.10		40.507.032.00 40.507.032.00
	99.908.730.10		99.900.745.10		40.507.032.00
	99.908.735.10		99.900.750.10		40.507.034.00 40.507.036.00
	99.908.740.10		99.903.030.10		40.507.038.00 40.507.038.00
	99.908.745.10		99.903.035.10		40.507.038.00 40.507.040.00
	99.908.750.10		99.903.040.10		40.507.042.00 40.507.042.00
	AP.AL-4X4-SLIDE		99.903.045.10		40.507.042.00 40.507.044.00
	AP.AL-10T2		99.903.050.10		40.507.044.00 40.507.046.00
	AP.AL-17T2		99.903.730.10		40.507.048.00 40.507.048.00
	AP.AL-405-FLPL		99.903.735.10		40.507.048.00 40.507.050.00
	AP.AL-408-FLPL		99.903.740.10		40.507.052.00 40.507.052.00
	AP.AL-409-0S		99.903.745.10		40.507.052.00 40.507.054.00
	AP.AL-410-FLPL				
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	AP.AL-413-0S		99.904.030.10		70.488.620.06
	AP.AL-415-FLPL		99.904.035.10		70.678.900.00
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	AP.AL-425-0S		99.904.730.10		70.717.620.06
	AP.AL-CPF-400		99.904.735.10		70.720.812.04
	AP.AL-SCREWSET		99.904.740.10		70.720.816.04
	AP.JR-10TC2		99.904.745.10	•	70.766.009.01
	AP.JR-10TC2-A		99.904.750.10	· ·	70.766.012.01
	AP.JR-50FS		99.905.030.10	· ·	74.006.002.00
	AP.JR-50FS-03		99.905.035.10		90.302.020.00
249	APIR-50ES-06	274	99 905 040 10	265	90 302 020 10

AP.JR-50FS-09	249	AP.TI-145D148, 157	CD.104P10256
AP.JR-50FS-12	249	AP.TI-145D-W232	CD.104PQ256
AP.JR-50FS-A	249	AP.TI-152D157	CD.104QT256
AP.JR-100C	247	AP.TI-152D-W232	CD.10590, 100
AP.JR-100C-A	247	AP.TI-160D157	CD.106167
AP.JR-132D	250	AP.TI-160D-W232	CD.11185, 86, 87, 88, 91, 92,
AP.JR-145D	250	AP.TI-168D157	225, 226, 227
AP.JR-160D	250	AP.TI-168D-W232	CD.115CF585, 86, 87, 88, 92,
AP.JR-400A	248	AP.TI-175D157	225, 226, 227
AP.JR-400D	248	AP.TI-175D-W232	CD.11690
AP.JR-425BH	248	AP.TI-400A-W113, 155, 231	CD.116XWS90
AP.JR-450BF	248	AP.TI-400D-W113, 155, 231	CD.11788
AP.JR-460TB	249	AP.TI-425BH148, 155	CD.117LP88
AP.JR-740L	250	AP.TI-425BH-W113, 230	CD.118P97
AP.JR-AL-4x4-SLIDE		AP.TI-450BF113, 155	CD.118PD97
AP.JR-AL-416B		AP.TI-450BF-W230	CD.12097
AP.JR-AL-417B		AP.TI-460TB156	CD.120L97
AP.SS-00MS		AP.TI-460TB-W231	CD.12197
AP.SS-10TC		AP.TI-500P141, 159, 233	CD.121D97
AP.SS-17TC	151	AP.TI-600-SLA-PM167	CD.121L97
AP.SS-50FS		AP.TI-615-SLA-CF167	CD.122A89
AP.SS-100C-FL		AP.TI-630-SLA-RF167	CD.122AFD89
AP.SS-132D	157	AP.TI-640-SLA-PF167	FT.1ML93, 111, 113
AP.SS-145D	157	AP.TI-650-SLA-RM167	FT.1ML5085, 86, 87, 88, 93,
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AP.SS-175D		AP.TI-740L 159, 163	FT.60SL93, 111, 113
AP.SS-425BH	113, 155	AP.TI-740L-W233	FT.60SL5085, 86, 87, 88, 93,
AP.SS-450BF		CD.10385, 225	225, 226, 227
AP.SS-460TB	156	CD.103AF85, 86, 87, 88, 91, 92,	FT.12721693, 111, 113
AP.SS-500P	141, 159	225, 226, 227	FT.12722693
AP.SS-740L	159, 163	CD.103D85, 225	FT.G5085, 86, 87, 88, 93,
AP.SS-800BASE	158	CD.103FD85, 225	225, 226, 227
AP.SS-800BASE-W	232	CD.103LP85, 86, 87, 89,	FT.G22093, 111, 113
AP.SS-840BASE	159	225, 226, 227	KA.AE001-1SP252
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