



EVOLUTION HEALTHCARE PVT. LTD.



Prosthetic foot

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KNOW YOUR ACTIVITY LEVEL

Level One(K1)

The patient has the ability or potential to use a prosthesis for transfers or ambulation on level surfaces at fixed cadence. This is typical of a household ambulator or a person who only walks about in their own home.

Level Two(K2)

The patient has the ability or potential for ambulation with the ability to traverse low-level environmental barriers such as curbs, stairs or uneven surfaces. This is typical of the limited community ambulator.

Level Three(K3)

The patient has the ability or potential for ambulation with variable cadence. A person at level 3 is typically a community ambulator who also has the ability to traverse most environmental barriers and may have vocational, therapeutic or exercise activity that demands prosthetic use beyond simple locomotion.

Level Four(K4)

The patient has the ability or potential for prosthetic ambulation that exceeds basic ambulation skills, exhibiting high impact, stress or energy levels. This is typical of the prosthetic demands of the child, active adult or athlete.

CHOPART FOOT PLATE(CH001FL)

This pure carbon keel has been engineered to provide a robust and pliant solution for the most extensive amputation levels and partial foot prostheses. It features a 10mm heel elevation to accommodate standard PU shells and shoes with low heels. Specifically tailored for individuals with Chopart amputations and Lisfranc, Pirogoff, Body, and partial foot prostheses.



Proportional response

The layering of carbon fiber optimizes the deflection of the forefoot from mid-stance to toe-off and is proportional to the user's weight and impact level.



Full length toe lever

The full-length keel/toe lever matches the length of the sound foot, giving a smoother, symmetrical gait.



Split toe

A split toe feature allows the foot to adjust to the surface below, allowing amputees to walk naturally on uneven ground. Also available in solid toe.



Waterproof

Whether it's fresh water, salt water or chlorinated water, Waterproof Evolution products will give you the maximum protection you need. The use of first-rate materials provides permanent protection against harmful ingress of water, even after submersion, whilst continuing to provide the functionality you expect.

Weight kg	45-52	53-59	60-68	69-77	78-88	89-100	101-116	117-130	131-147
Low Impact Level	1	1	2	3	4	5	6	7	8
Moderate Impact Level	1	2	3	4	5	6	7	8	N/A
High Impact Level	2	3	4	5	6	7	8	N/A	N/A

CHOPART FOOT PLATE (CS002SL)

This 100% carbon keel is designed to be a flexible and durable solution for the longest amputation levels and partial foot prostheses. Includes a 10mm heel height for compatibility with standard FlexFoot shells and low-heel shoes. Chopart is specifically designed for people with chopart amputations as well as lisfranc, pirogoff, boyd and partial foot prostheses



Proportional response

The layering of carbon fiber optimizes the deflection of the forefoot from mid-stance to toe-off and is proportional to the user's weight and impact level.



Full length toe lever

The full-length keel/toe lever matches the length of the sound foot, giving a smoother, symmetrical gait



Waterproof

Whether it's fresh water, salt water or chlorinated water, Waterproof Össur products will give you the maximum protection you need. The use of first-rate materials provides permanent protection against harmful ingress of water, even after submersion, whilst continuing to provide the functionality you expect.

Warning: Do not exceed weight limit. Risk of device failure. Incorrect category selection may also result in poor device function.



Weight kg	45-52	53-59	60-68	69-77	78-88	89-100	101-116	117-130	131-147
Weight lbs	99-115	116-130	131-150	151-170	171-194	195-220	221-256	257-287	288-324
Low Impact Level	1	1	2	3	4	5	6	7	8
Moderate Impact Level	1	2	3	4	5	6	7	8	N/A
High Impact Level	2	3	4	5	6	7	8	N/A	N/A

CLINICAL Instruction

DESCRIPTION

The device consists of a single carbon blade for direct lamination (**Fig. 1**). This device must be used with a Foot Cover and a Spectra Sock.

INTENDED USE

The device is intended as a part of a prosthetic system that replaces the foot and ankle function of a missing lower limb.

Suitability of the device for the prosthesis and the patient must be evaluated by a healthcare professional. The device must be fitted and adjusted by a healthcare professional.

Indications For Use and Target Patient Population

-Lower limb amputation and/or congenital deficiency

-No known contraindications

The device is for low to high impact use, e.g., walking and occasional running.

GENERAL SAFETY INSTRUCTIONS

The healthcare professional should inform the patient about everything in this document that is required for safe use of this device.

Warning: If there is a change or loss in device functionality, or if the device shows signs of damage or wear hindering its normal functions, the patient should stop using the device and contact a healthcare professional.

The device is for single patient use.

DEVICE SELECTION

Verify that selected variant of the device is suitable for the impact level and weight limit according to the following table.

Warning: Do not exceed weight limit. Risk of device failure. Incorrect category selection may also result in poor device function.

Weight kg	45-52	53-59	60-68	69-77	78-88	89-100	101-116	117-130	131-147
Weight lbs	99-115	116-130	131-150	151-170	171-194	195-220	221-256	257-287	288-324
Low Impact Level	1	1	2	3	4	5	6	7	8
Moderate Impact Level	1	2	3	4	5	6	7	8	N/A
High Impact Level	2	3	4	5	6	7	8	N/A	N/A

Foot Cover and Spectra Sock (Fig. 2)

Caution: To avoid pinching fingers, always use a shoehorn.

Put the foot into the Spectra Sock.

Remove the foot cover attachment.

Use the applicable (straight) end of a shoehorn to put the foot with the Spectra Sock into the Foot Cover.

Move the shoehorn up to fully push the foot into the Foot Cover.

Put the foot cover attachment back onto the Foot Cover.

After alignment is complete, fix the Spectra Sock to the prosthesis to seal against dust and dirt.

Note: The Spectra Sock must be pulled up to prevent it from interfering with moving parts of the foot.

If required doff the Foot Cover as follows:

Remove the foot cover attachment.

Insert the applicable (edged) end of a shoehorn behind the foot.

Push the shoehorn down and pull the foot out of the Foot Cover.

Fully remove the Spectra Sock.

Prosthesis

Assemble prosthesis with applicable devices.

Warning: Risk of structural failure. Components from other manufacturers have not been tested and may cause excessive load on the device.

Warning: Ensure proper attachment by following the applicable device assembly instructions.

ALIGNMENT INSTRUCTIONS

Bench Alignment (Fig. 3)

Adjust to appropriate heel height (using the shoe).

Introduce appropriate socket angles flexion/extension and abduction/adduction.

The load line taken from the center of the socket should fall through the midline of the foot module in a neutral M-L position. Depending on proximal or distal bearing socket design, use appropriate load line.

Set appropriate toe rotation.

Divide the foot into 3 equal portions.

The load line should fall at the junction of the posterior and the middle third portions.

Initial Fitting Procedure

Preparation

From Bench Alignment, Chopart foot plate should be bonded to the distal socket with potting epoxy or Siegelharz.

Roughen carbon fiber surfaces (upper plate and socket) and clean with acetone to ensure best adhesion of epoxy or lamination.

While in alignment jig, raise socket on the plate and lower unit back in place. Fill in around the outside edges with potting epoxy to create a smooth transition from the socket to the plate.

Wrap with synthetic casting tape.

Carry out dynamic alignment and make changes as necessary.

During dynamic alignment you may cut off the tip of the heel and replace with soft foam material (Fig. 4).

Dynamic Alignment

The roll over action of the foot can be influenced by the heel and the shape of the sole.

Secure achieved dynamic alignment using a jig.

Remove sole materials and synthetic casting tape and proceed to direct lamination.

Lamination Procedure

The lay-up sequence involves posterior and M-L positioned carbon fiber cloth. Refer to table below for suggested number of layers.

Apply on posterior layer, then follow with a M-L layer.

Suggested Reinforcement			
	Min # of Layers*		
Cloth Size	Cat 1-3	Cat 4-6	Cat 7-9
76 mm x 355 mm	3	4	6
76 mm x 355 mm	2	2	3
114 mm	2	2	3

*The appropriate number of layers depends on user activity and weight and must be evaluated by the CPO.

USAGE

Cleaning and care

Clean with a damp cloth and a mild soap. Dry with a cloth after cleaning.

Environmental Conditions

The device is Waterproof.

A Waterproof device can be used in a wet or humid environment and submerged in up to 1-meter-deep fresh water for a maximum of 30 minutes. No contact with salt water or chlorinated water is allowed. Dry with a cloth after contact with fresh water or humidity.

Clean with fresh water in case of accidental exposure to other liquids, chemicals, sand, dust, or dirt and dry with a cloth.

MAINTENANCE

The device and the overall prosthesis should be examined by a healthcare professional. Interval should be determined based on patient activity.

Noise from Foot

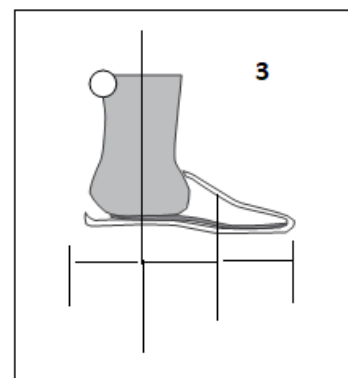
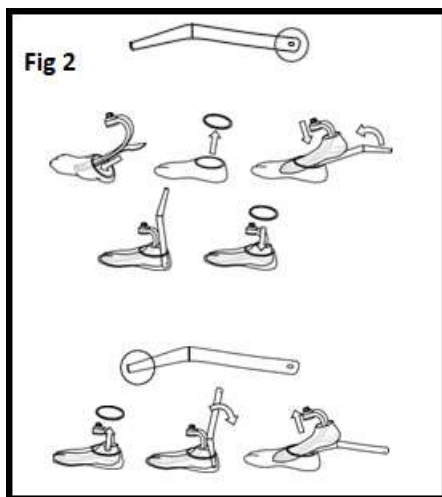
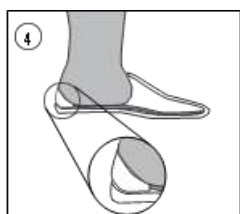
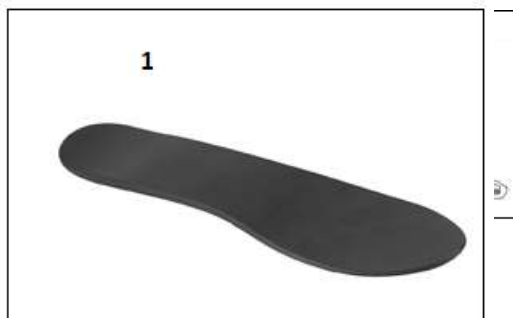
Noise may occur if sand or debris is present in device. In that case, the healthcare professional should doff the foot, clean it with the help of compressed air and replace the Spectra sock if it is damaged.

REPORT OF SERIOUS INCIDENT

Any serious incident in relation to the device must be reported to the manufacturer and relevant authorities.

DISPOSAL

The device and packaging must be disposed of in accordance with respective local or national environmental regulations



SYMES SACH FOOT



The Symes SACH foot is a Soft Ankle Cushion Heel prosthetic foot made from Wooden keel and covered with PU foam.



Uses

It comes in sizes ranging from 24cm to 27cm, and adult feet come with an HSS M10 bolt and lock washer, while child feet come with an HSS M8 bolt and lock washer. It should be stored at temperature below 50°C and humidity below 60%. The feet should be used within 12 to 18 months after receipt.

Warranty

One Year warranty

General information

- Level of limb difference:

Ankle disarticulation

- Impact Level:

Low, Moderate and High

- Characteristics

Weatherproof, Proportional response, Split toe and Full length toe lever

- Product weight

385gm to 805gm

- Available sizes

22-30

- Minimum clearance

86mm

- Patient weight range

45 – 166 kg (99 – 365 lbs)

- Max patient weight

100kg



NI

Potential household ambulator

Walking from court to bathroom

Very Low

Flex-Symes Foot

Flex-Symes offers extremely low build height with a Carbon-X® Active Heel and alignment options.

It is a carbon foot module connected to an actively deflecting carbon heel. The improved alignment adapter now offers angulation and adjustments in ML / AP planes.

Flex-Symes is specifically designed for people with Symes and Pyrogoff amputations, or transtibial users with long residual limbs.



General information

- **Level of limb difference:**
Ankle disarticulation
- **Impact Level:**
Low, Moderate and High
- **Characteristics**
Weatherproof, Proportional response, Split toe and Full length toe lever
- **Available sizes**
22-30
- **Patient weight range**
45 – 166 kg (99 – 365 lbs)
- **Max patient weight**
166 kg (365 lbs)



A split toe feature allows the foot to adjust to the surface below, allowing amputees to walk naturally on uneven ground. Also available in solid toe.



A weatherproof device allows use in a wet and/or humid environment but does not allow submersion. Fresh water splashing against the enclosure from any direction shall have no harmful effect. Dry thoroughly after contact with fresh water. Fresh water: Includes tap water. Excludes salt and chlorinated water. For a weatherproof system, only weatherproof components must be selected.



Proportional response

The layering of carbon fiber optimizes the deflection of the forefoot from mid-stance to toe-off and is proportional to the user's weight and impact level.



Full length toe lever

The full-length keel/toe lever matches the length of the sound foot, giving a smoother, symmetrical gait.



Activity Level 1



Activity Level 2

K1 Has the ability or potential to use a prosthesis for transfers or ambulation on level surfaces at fixed cadence. Typical of the limited and unlimited household ambulator.

K2 – The patient has the ability or potential for ambulation (walking) on low level environmental barriers such as curbs, stairs, or uneven surfaces. This is typical of the limited community ambulator.

SACH FOOT

The Solid Ankle Cushion Heel (SACH) foot represents a basic, durable, inexpensive prosthetic foot option geared toward those who require limited walking and have little variation in speed and types of terrain. SACH feet consist of a soft material molded over a more rigid inner piece that mimics the shape of a human foot. This type of foot may be used with patients' very first prosthesis after amputation.

The SACH foot has sufficient shock absorption characteristics for limited walkers because of its large heel cushion, but due to its lack of flexibility and inability to accommodate uneven terrain, it is not ideal for moderate to high activity prosthesis users that desire to do more than household activities.

Your clinician will work with you to make the most appropriate decision based on your specific needs and goals.



General information

- **Level of limb difference:**
Ankle disarticulation
- **Impact Level:**
Low, Moderate and High
- **Characteristics**
Weatherproof, Proportional response, Split toe and Full length toe lever
- **Product weight**
385gm to 805gm
- **Available sizes**
22-30
- **Minimum clearance**
86mm
- **Patient weight range**
45 – 166 kg (99 – 365 lbs)
- **Max patient weight**
100kg



SINGLE AXIS FOOT

An articulated single axis foot is a type of prosthetic that is designed to improve knee stability. It has an ankle joint that allows the foot to move up and down, making it easier for the wearer to maintain balance. This type of prosthetic is ideal for individuals with higher levels of amputation as it helps to prevent knee buckling. However, it does come with some downsides such as added weight, the need for periodic servicing, and a higher cost compared to simpler options like the SACH foot. If stability is a priority, a single-axis foot may be a suitable choice.



General information

- **Level of limb difference:**
Ankle disarticulation
- **Impact Level:**
Low, Moderate and High
- **Characteristics**
Weatherproof, Proportional response, Split toe and Full length toe lever
- **Product weight**
485gm to 910gm with ankle
- **Available sizes**
22-29
- **Minimum clearance**
55 mm to 68mm with ankle
- **Patient weight range**
45 – 166 kg (99 – 365 lbs)
- **Max patient weight**
100kg



Low

K2

**Potential limited
community
ambulator**

Walking from house to
neighbor's house

BREEZ FOOT

The Breeze is a high-end K2 foot from College Park that features advanced technology and various features. It has a water-friendly system with a water drain port, corrosion-resistant materials, and modifications to clear water from the prosthetic system. The Enviro Shell is infused with a UV inhibitor and pure silver for antimicrobial properties, and has a toe-rollover assist. It provides a maximum solution at a minimum cost. Wider base provide more stability.



Only big issue as it has inbuilt heel cushion, so once the foot shell break patient need to change the foot shell and as heel is soft material does not allow the user to do active lifestyle.

General information

- **Level of limb difference:**
Ankle disarticulation
- **Impact Level:**
Low, Moderate and High
- **Characteristics**
Weatherproof, Proportional response, Split toe and Full length toe lever
- **Product weight**
523gm
- **Available sizes**
21-30cm
- **Minimum clearance**
65mm
- **Patient weight range**
45 – 100 kg (99 – 365 lbs)
- **Max patient weight**
100kg



Low

K2

**Potential limited
community
ambulator**

Walking from house to
neighbor's house

BALANCE J FOOT

Balance Foot J is designed to meet the needs of slower speed walkers. It is lightweight with a heel that provides stability and cushioning at heel strike. Together with the full-length keel the Balance J provides excellent stability and support.

- Incorporates a cushioned heel for stability and added comfort when your heel touches down on the ground
- As you push off onto your other foot, the foot's carbon composite toe ensures a lifelike boost of energy to help you move forward
- Offers an effective combination of stability and more natural and fluid movement



General information

- **Level of limb difference:**
Ankle disarticulation
- **Impact Level:**
Low, Moderate and High
- **Characteristics**
Weatherproof, Proportional response, Split toe and Full length toe lever
- **Product weight**
523gm
- **Available sizes**
21-30cm
- **Minimum clearance**
65mm
- **Patient weight range**
45 – 100 kg (99 – 365 lbs)
- **Max patient weight**
100kg



Low

K2

**Potential limited
community
ambulator**

Walking from house to
neighbor's house



Active tibial progression

Vertical forces generated at heel contact are initially absorbed and translated into forward motion described as Active Tibial progression.



Proportional response

The layering of carbon fiber optimizes the deflection of the forefoot from mid-stance to toe-off and is proportional to the user's weight and impact level.



Weatherproof

A weatherproof device allows use in a wet and/or humid environment but does not allow submersion. Fresh water splashing against the enclosure from any direction shall have no harmful effect. Dry thoroughly after contact with fresh water. Fresh water: Includes tap water.

Excludes salt and chlorinated water. For a weatherproof system, only weatherproof components must be selected.

ARES FOOT

Carbon fiber is a strong and lightweight material, making the foot component both durable and comfortable to use. Additionally, the carbon foot with split heel can be customized to the individual user's specific needs and requirements, ensuring a comfortable and functional fit. The split heel feature allows for greater flexibility and a more natural gait, making it easier for users to perform activities of daily living. It also help in Inversion and Eversion so user can get more stability over uneven surface. Wider base make the use more stable.



It can be use up to K3 level but depend on user stump length and other condition like weight, working environment and life style. The prosthetist will advise you considering all the mentioned above parameter.

General information

- **Level of limb difference:**
Ankle disarticulation
- **Impact Level:**
Low, Moderate and High
- **Characteristics**
Weatherproof, Proportional response, Split toe and Full length toe lever
- **Product weight**
523gm
- **Available sizes**
22-27cm
- **Minimum clearance**
60mm
- **Patient weight range**
45 – 100 kg (99 – 365 lbs)
- **Max patient weight**
100kg



Low

K2

Potential limited community ambulator

Walking from house to neighbor's house

CELSUS FOOT

The Celsus brings College Parks innovative Integrated Spring Technology (iST) into a lower impact design. The foot has an active heel, superior ground contact and natural motion to provide smooth, stable transitions. Durable yet lightweight, the Celsus provides anatomical function for low impact patients. Wider base make it more stable



General information

- **Level of limb difference:**
Ankle disarticulation
- **Impact Level:**
Low, Moderate and High
- **Characteristics**
Weatherproof, Proportional response, Split toe and Full length toe lever
- **Product weight**
523gm
- **Available sizes**
21-30cm
- **Minimum clearance**
60mm
- **Patient weight range**
45 – 100 kg (99 – 365 lbs)
- **Max patient weight**
100kg



Low

K2

**Potential limited
community
ambulator**

Walking from house to
neighbor's house

ODYSSEY-K2

Hydraulic feet can provide K2 patients with an incredible range of controlled motion as well as assist in force absorption. It also gives the patient the ability to maintain foot flat with a fluid transition from sit to stand, for a comfortable, natural look. The

Odyssey K2 foot from College Park has a patented curved hydraulic ankle, Intelliweave™ composite foot base, and customizable dual StrideControl™. This revolutionary foot provides a superior range of motion in a lightweight and low profile design for an unbeatable combination of K2 patient benefits.

A REVOLUTIONARY CURVED HYDRAULIC SYSTEM College Park Odyssey feet provide fluid control for superior knee stability and incredible ground contact. The patented curved hydraulic cylinder allows for one pivot point, resulting in a smoother sweep, longer life, and the lowest profile hydraulic feet to date.

The OdysseyK2 provides 12 degrees of smooth hydraulic motion that works in tandem with the Intelliweave® composite foot base. With this unique set-up user can gain additional plantarflexion and dorsiflexion for a total range of motion up to 27 degree.



General information

- **Level of limb difference:**
Ankle disarticulation
- **Impact Level:**
Low, Moderate and High
- **Characteristics**
Weatherproof, Proportional response, Split toe and Full length toe lever
- **Product weight**
523gm
- **Available sizes**
21-30cm
- **Minimum clearance**
78mm- 83mm
- **Patient weight range**
45 – 100 kg (99 – 365 lbs)
- **Max patient weight**
100kg



K2

Potential limited community ambulator

Walking from house to neighbor's house

Low

TRIBUTE FOOT

With a full length toe lever, the Venture provides a higher frequency dynamic response for more active users. Highly engineered bumpers and flexible Intelliweave® composites work together for ultimate progressive response. The tri-axial, custom built foot includes our exclusive Stride Control™ feature for effortless fine-tuning without disassembly.

TRI-AXIAL TECHNOLOGY

True multi-axial movement occurs on all three planes - the sagittal, coronal and transverse. The Venture ankle brings the most anatomical movement in a prosthetic foot, providing superior ground compliance.

CUSTOMIZABLE DESIGN With only one pin to disassemble, the Venture requires minimal tools.

The Venture's bumpers and bushings can be swapped out as

needed to increase and decrease resistance for a perfect feel.

The bumpers were redesigned using aircraftgrade polymers for durability and longevity.

Stride Control allows for precise, incremental gait adjustments without any disassembly. Easily fine-tune the feel of the foot, increasing comfort and function for the user. A simple turn of a 4mm hex key changes the preload in the system for more or less resistance.

-The front bumper provides comfort during walking, while the pocket limits the compression to engage the high-frequency composite keel during high activity.

-The rear bumper compresses at heel strike for cushioned comfort. The unique bullet shape provides controlled response for ground compliance



General information

- **Level of limb difference:**
Ankle disarticulation
- **Impact Level:**
Low, Moderate and High
- **Characteristics**
Weatherproof, Proportional response, Split toe and Full length toe lever
- **Product weight**
523gm
- **Available sizes**
22-27cm
- **Minimum clearance**
60mm



Moderate

K3

Community ambulator with the potential for variable cadence

Working, walking, hiking

- **Patient weight range**
45 – 100 kg (99 – 365 lbs)
- **Max patient weight**
100kg



Activity Level 3
- low level

Activity Level 3
- mid level

K3

- The

patient has the ability or potential for ambulation (walking) with variable cadence (speed). This is the typical level of the community ambulator who can traverse most environmental barriers and may have vocational, therapeutic, or exercise beyond simple locomotion.

HERMES FOOT

Hermes foot is made of light carbon material, which is comfortable, flexible and provides energy return while walking.

The low profiled design, can be fitted to a wide variety of patients, including those with long residual limb.

This carbon foot composes of a special design, material technology, high quality, manufacturing applications and high engineering work. The flexibility of the foot will support patients in their daily life. The split blade used to give Inversion-eversion and multiaxial rotation. Wider base give more balance to the user.



General information

- **Level of limb difference:**
Ankle disarticulation
- **Impact Level:**
Low, Moderate and High
- **Characteristics**
Weatherproof, Proportional response, Split toe and Full length toe lever
- **Product weight**
523gm
- **Available sizes**
22-27cm
- **Minimum clearance**
60mm
- **Patient weight range**
45 – 100 kg (99 – 365 lbs)
- **Max patient weight**
100kg



Moderate

K3

Community ambulator with the potential for variable cadence

Working, walking, hiking

Active foot

The ACTIVE foot is a low profile foot for Level 3

users. Due to low profile it can be use in variety of stump condition.

-Low profile foot with carbon springs

-Lightweight and easy to finish

Three-legged structure

with split toe give more natural

movement and balance to the user.

General information

- **Level of limb difference:**

Ankle disarticulation

- **Impact Level:**

Low, Moderate and High

- **Characteristics**

Weatherproof, Proportional response, Split toe and Full length toe lever

- **Product weight**

523gm

- **Available sizes**

22-27cm

- **Minimum clearance**

60mm

- **Patient weight range**

45 – 100 kg (99 – 365 lbs)

- **Max patient weight**

100kg



Moderate

K3

Community ambulator with the potential for variable cadence

Working, walking, hiking

ASPIRE FOOT

The Aspire Foot features a carbon blade with a dynamic heel and smooth rollover. It features a sandal toe for a widerange of footwear, including flipflops. A closed foot cover and its low build height make it a convenient universal fit.



General information

- **Level of limb difference:**
Ankle disarticulation
- **Impact Level:**
Low, Moderate and High
- **Characteristics**
Weatherproof, Proportional response, Split toe and Full length toe lever
- **Product weight**
523gm
- **Available sizes**
22-27cm
- **Minimum clearance**
60mm
- **Patient weight range**
45 – 100 kg (99 – 365 lbs)
- **Max patient weight**
100kg



Moderate

K3

Community ambulator with the potential for variable cadence

Working, walking, hiking

VENTURE FOOT

With a full length toe lever, the Venture provides a higher frequency dynamic response for more active users. Highly engineered bumpers and flexible Intelliweave® composites work together for ultimate progressive response. The tri-axial, custom built foot includes our exclusive Stride Control™ feature for effortless fine-tuning without disassembly.

TRI-AXIAL TECHNOLOGY

True multi-axial movement occurs on all three planes - the sagittal, coronal and transverse. The Venture ankle brings the most anatomical movement in a prosthetic foot, providing superior ground compliance.

CUSTOMIZABLE DESIGN With only one pin to disassemble, the Venture requires minimal tools.

The Venture's bumpers and bushings can be swapped out as needed to increase and decrease resistance for a perfect feel.

The bumpers were redesigned using aircraftgrade polymers for durability and longevity.

Stride Control allows for precise, incremental gait adjustments without any disassembly. Easily fine-tune the feel of the foot, increasing comfort and function for the user. A simple turn of a 4mm hex key changes the preload in the system for more or less resistance.

The front bumper provides comfort during walking, while the pocket limits the compression to engage the high-frequency composite keel during high activity

The rear bumper compresses at heel strike for cushioned comfort. The unique bullet shape provides controlled response for ground compliance.

General information

- **Level of limb difference:**
Ankle disarticulation
- **Impact Level:**
Low, Moderate and High
- **Characteristics**
Weatherproof, Proportional response, Split toe and Full length toe lever
- **Product weight**
523gm
- **Available sizes**
22-27cm
- **Minimum clearance**
60mm



Moderate

K3

Community ambulator with the potential for variable cadence

Working, walking, hiking

- **Patient weight range**
45 – 100 kg (99 – 365 lbs)
- **Max patient weight**
100kg

TRUESTEP FOOT

Original and unrivaled, the Truststep sets the standard for unsurpassed comfort and natural-feeling mobility. It was one of the first prosthetic feet to provide anatomically correct movement in all planes, allowing for nearly the same vertical motion, rotation, and stability as an anatomical foot. With a full range of options available, the versatile design allows for complete customization.

VERTICAL COMPLIANCE

The offset axis points in the Truststep allow the foot to flex and absorb vertical forces just like an anatomical foot. Up to 6.8mm displace.

TRI-AXIAL TECHNOLOGY

True multi-axial movement occurs on all three planes. The superior plantar flexion, dorsiflexion, transverse rotation, and inversion/eversion make the Truststep one of the most anatomically correct prosthetic feet — allowing for ease of movement, excellent ground compliance, and comfort.

EVOLUTION

Since its release in 1991, the Truststep has undergone significant changes as new technology emerges. Some of these improvements include aircraft-grade polymer bumpers for unbeatable durability, noise abatement features, and a redesigned lighter, stronger heel

-On heel strike, the rear bumper compresses to bring the toe down to foot flat. This gives higher rates of ground contact on declines for firm footing.

- During midstance, the front and rear bumpers compress simultaneously to provide cushion. Dual hinge points allow the foot to maintain ground contact throughout the gait cycle.

- To ready the foot for a smooth toe-off, the Truststep's front bumper compresses to absorb impact and lift the heel. The rollover shape and contoured toes assist in forward propulsion.



General information

- **Level of limb difference:**
Ankle disarticulation

- **Impact Level:**
Low, Moderate and High
- **Characteristics**
Weatherproof, Proportional response, Split toe and Full length toe lever
- **Product weight**
523gm
- **Available sizes**
22-27cm
- **Minimum clearance**
60mm
- **Patient weight range**
45 – 100 kg (99 – 365 lbs)
- **Max patient weight**
100kg



K3

Community ambulator with the potential for variable cadence

Working, walking, hiking

SOLEUS FOOT

The first to incorporate Integrated Spring Technology (iST®), the Soleus provides natural movement with a progressive, 3-staged response and superior range of motion. The foot integrates Intelliweave composite springs through a tough, flexible plantar belt that responds to varying impacts. The unique, scaled design also provides 10 mm of vertical compliance for unbeatable comfort. The Soleus accommodates a moderate activity lifestyle up to the highest impact Paralympic athlete.

-The toe spring provides smooth movement and comfort for normal walking.

-During moderate activity, the midspring engages for a firmer response

-At the highest impact activity, the heel springs kick into action, for increased resistance and energy return.

WATERPROOF

Saltwater tested for 2 million cycles with an antimicrobial and UV inhibited foot shell, the progressive Soleus foot performs flawlessly at the pool, lake, ocean or outback.



PERSONALIZED COLOR AND ENGRAVING The Soleus housing is available in Perfect Pink, Midnight Black, Gold, and Silver and can also be engraved with one of nine different engravings to truly individualize the prosthesis.

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Moderate

K3

Community ambulator with the potential for variable cadence

Working, walking, hiking



Activity Level **4**

K4 – The patient has the ability or potential for ambulation (walking) that exceeds basic ambulation skills, exhibiting high impact, stress, or energy levels. This is the typical level of prosthetic demands of the child, active adult, or athlete.

VERYFLEX FOOT

The Vari-Flex provides an exclusive combination of comfort and dynamics. The Vari-Flex is light-weight, easy to assemble and has a slender profile which makes it easy to cosmetically cover. For users it provides confidence and security, offering natural gait with less fatigue and less strain on the lower back and sound side.



A split toe feature allows the foot to adjust to the surface below, allowing amputees to walk naturally on uneven ground. Also available in solid toe.



A weatherproof device allows use in a wet and/or humid environment but does not allow submersion. Fresh water splashing against the enclosure from any direction shall have no harmful effect. Dry thoroughly after contact with fresh water. Fresh water: Includes tap water. Excludes salt and chlorinated water. For a weatherproof system, only weatherproof components must be selected.



Proportional response

The layering of carbon fiber optimizes the deflection of the forefoot from mid-stance to toe-off and is proportional to the user's weight and impact level.



Full length toe lever

The full-length keel/toe lever matches the length of the sound foot, giving a smoother, symmetrical gait.



Active tibial progression

Vertical forces generated at heel contact are initially absorbed and translated into forward motion described as Active Tibial progression.

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High

K4

**High activity user
which exceeds
normal
ambulation skills**

Running, sports

PRO-FLEX XC

The Pro-Flex XC foot reduces the need for the user to actively push the body forward and helps to equalize stride length. It allows for forward progression of the limb, reducing impact to the joints for ultimate comfort and ease.

As with all Pro-Flex devices, it features our proprietary 3-blade design with full effective toe lever and a more anatomical split toe. In addition, Pro-Flex XC includes a lightweight foot cover featuring a grippy sole for barefoot stability on wet, slick surfaces. It is easy to clean, adapts to a range of footwear and has a natural arch and footprint.

Pro-Flex XC was developed to comfortably accommodate relatively active users, who enjoys hiking and jogging, as well as level-ground walking. Comes with an aesthetically pleasing, anatomical footcover and integrated male pyramid. Pro-Flex XC is rated Waterproof, which means it is fully resistant to both chlorine and salt water submersion.



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High

K4

**High activity user
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Running, sports



FOOT

FOOT WITH TIBIAL TORSION

Pro-Flex[®] XC Torsion

Pro-Flex XC has been developed to comfortably support the active user who enjoys hiking and jogging, as well as level-ground walking. Pro-Flex XC Torsion combines the Pro-Flex XC features of energy return and smooth roll-over, with valuable shock absorption and rotational capabilities. The sole blade offers a effective full-length toe, and a wider foot blade than traditional feet. The foot is ideal for active users who want to use a single, lightweight foot for their normal daily life, as well as a range of higher impact activities. Less load and more dynamics means that amputees can enjoy greater comfort in a wide range of activities. The well-designed and lightweight anatomical foot cover features a steady-grip sole for barefoot stability on wet or slick surfaces, and a sandal-clamping toe for a range of footwear including flip flops.



General information

Amputation Level: Trans femoral and Trans tibial

Impact Level: Low to High Maximum

Patient Weight: 147kg (324lbs)

Categories: 1-8 Size: 22-30

Weight of Foot: (Size 27, cat5) =1035g (2,28 lbs) w/ Foot Cover

Sock Build Height: (Size 27) 222mm (8 3/4")w Heel

Height: 10mm (3/8")

Adapter Options: Male Pyramid



High

K4

High activity user which exceeds normal ambulation skills

Running, sports



PROPORTIONAL RESPONSE



CARBON-X[®] ACTIVE HEEL



FULL LENGTH TOE LEVER



ACTIVE TIBIAL PROGRESSION



VERTICAL SHOCK PYLON



ROTATION



SPLIT TOE



SANDAL TOE

PRO-FLEX® LP TORSION

This compact energy-storing foot offers rotational shock absorption designed to reduce shear forces on the residual limb. The torsion module is combined with the Pro-Flex LP foot module, delivering a level of ankle power, energy return, and overall dynamics, which have often eluded people with longer residual limbs. Pro-Flex LP Torsion has been specially designed to deliver these benefits, in addition to providing exceptionally smooth rollover. The torsion-shock unit compensates for physiological rotation and vertical shock absorption of lost joints, delivering more comfort for the end user, and less stress on the residual limb. The Pro-Flex LP Torsion offers a high degree of ankle motion; a significant improvement in relation to conventional low-profile carbon fiber feet. It incorporates an effective full-length toe, and new 'reverse tapered' technology, allowing for greater dorsi-flexion. Less load and more dynamics means that amputees with a longer limb can enjoy greater comfort in a wide range of activities. The well-designed and lightweight anatomical foot cover features a steadygrip sole for barefoot stability on wet or slick surfaces, and a sandalclamping toe for a range of footwear including flip flops.



General information

Amputation Level: Transfemoral and Transtibial

Impact Level: Low to High

Maximum Patient Weight: 147 kg (324 lbs)

Categories: 1-8 Size: 22-30

Weight of Foot: (Size 27) 960 g / 2.11 lbs w/ Foot Cover
Sock

Build Height: (Size 27) 147 mm / 5 25/32" w/Male Pyramid and Foot Cover

Heel Height: 10 mm (3/8")

Adapter Options: Male Pyramid



High

K4

High activity user
which exceeds
normal
ambulation skills

Running, sports



ACTIVE TIBIAL
PROGRESSION



VERTICAL
SHOCK PYLON



ROTATION



SPLIT TOE



SANDAL TOE



WEATHERPROOF