

DYNAMIC STEP FOOT



1110

Suggested:
L5981



Note: When placing an order, please use the below formula.

1110-size L or R-weight option (look at matrix for options)

Example:

1110-25R-155 = For 70kg / 155lb weight option

1110-25R-200 = For 90kg / 200lb weight option

- Includes Beige Foot Shell and Spectra Sock

FOOT INFORMATION	
Product #	1110
Sizes:	22 - 28
Weight of Foot Size 26	590g
Build Height of Foot Size 26	50mm / 2in
Heel Height:	10mm / 3/8in
Warranty	1 year

(Specifications subject to change)

The Dynamic Step Foot provides K3 users an energy storing foot utilizing a high-tech double keel composite construction and integrated foot shell. The Dynamic Step offers a very low build height, along with a Dual Carbon Keel construction for progressive energy return. Integral Foot shell bolts to the keel to enhance heel contact and walking roll over.

Features and Benefits

- Dual High Tech Carbon Composite keel for optimized Energy Storage and Return During Toe Off
- Compliant heel helps to increase heel contact stability
- foot shell and spectra sock included
- Integrated pyramid
- 22 to 25cm available for up to 70kg / 150lb
- 25 to 28cm available for up to 90kg / 200lb

Size	STANDARD (FS)	STANDARD (FS)
	Weight Limit 1	Weight Limit 2
	70kg / 155 lbs	90kg / 200 lbs
22 Left	1110-22L-155	
22 Right	1110-22R-155	
23 Left	1110-23L-155	
23 Right	1110-23R-155	
24 Left	1110-24L-155	
24 Right	1110-24R-155	
25 Left	1110-25L-155	1110-25L-200
25 Right	1110-25R-155	1110-25R-200
26 Left		1110-26L-200
26 Right		1110-26R-200
27 Left		1110-27L-200
27 Right		1110-27R-200
28 Left		1110-28L-200
28 Right		1110-28R-200

Product Description

This prosthetic foot device is constructed with an integrated pyramid, and dual carbon composite keel. The keel fits into, and bolts to the removable foot shell with a Spectra sock.

Intended Use

The Dynamic Step is a prosthetic foot designed to replace one or more functions of the biologic human foot. It is recommended to use ST&G components with the Dynamic Step foot

Indications:

K3 amputees with a lower limb amputation

CONTRAINDICATIONS:

K4 amputees with a lower limb amputation

Protective Cover on Pyramid Dome:

Remove the protective cover on the pyramid dome after alignment is completed and before patient leaves clinic. This protective cover is to eliminate pyramid gouging and unintentional dome blemishes in case foot needs to be returned for any reason prior to delivery of the prosthesis. Otherwise, a returned foot with damage will incur a fee.

Assembly

The Dynamic Step requires assembly. The Dynamic Step Keel needs to be inserted into the supplied Spectra Sock, and the mounting holes of the keel for the Foot Shell need to be indicated on both the top and bottom of the Sock. The M5 Screw should freely screw into the threaded foot shell inserts. Apply Loctite, and using a torque wrench, tighten to **8Nm**.

Indicate the top and bottom of the Sock to the Keel mounting holes.



Puncture the marked area as indicated by your marks.



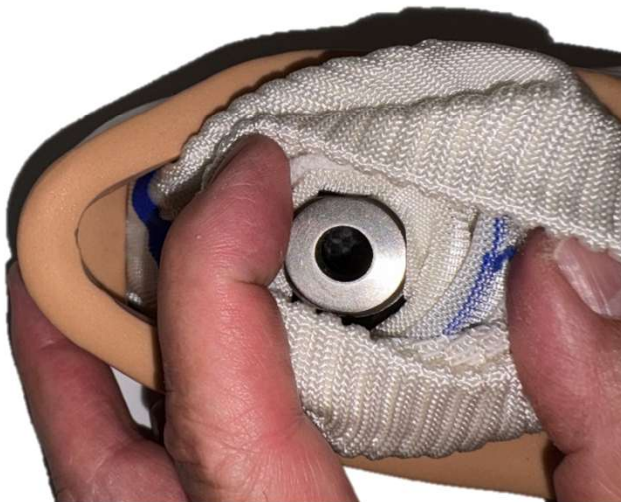
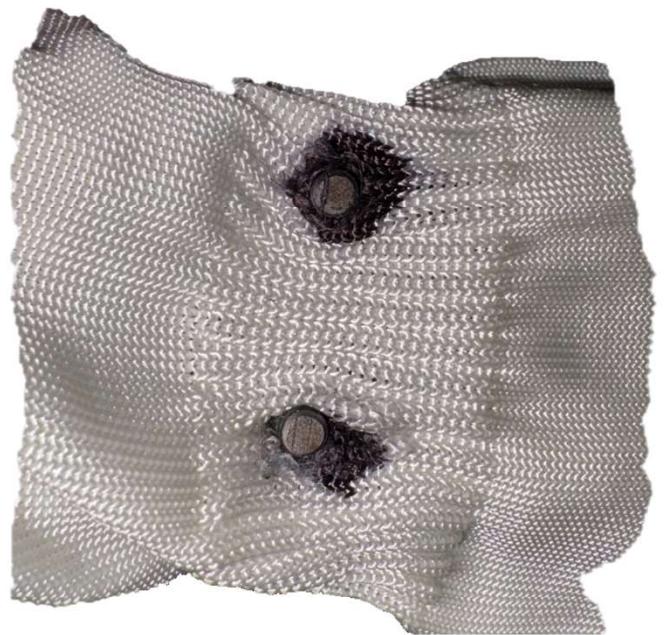
The method used by these photos utilized a small hex wrench, and the hole enlarged by various tools. A hole can be burnished as well, but staged hole enlargement is obtainable as the Spectra sock is not being cut, just the strands are being moved aside.





Once the holes are big enough to run the M5 bolts through, ensure that the screw heads are seated on the foot, and not on the Spectra Sock!

Ensure that the threaded end of the screws are free of Spectra Sock threads so as not to bind in the threaded Foot Shell inserts. Apply a small amount of blue thread locker to the end of the screws, as the screws need to be removable, and there is a need to retain the inserts in the foot shell.



Take care when inserting the Keel with the Spectra Sock into the foot. Ensure that the keel freely fully can insert into the toe area, and then slide the heel into the heel cup portion of the foot shell.

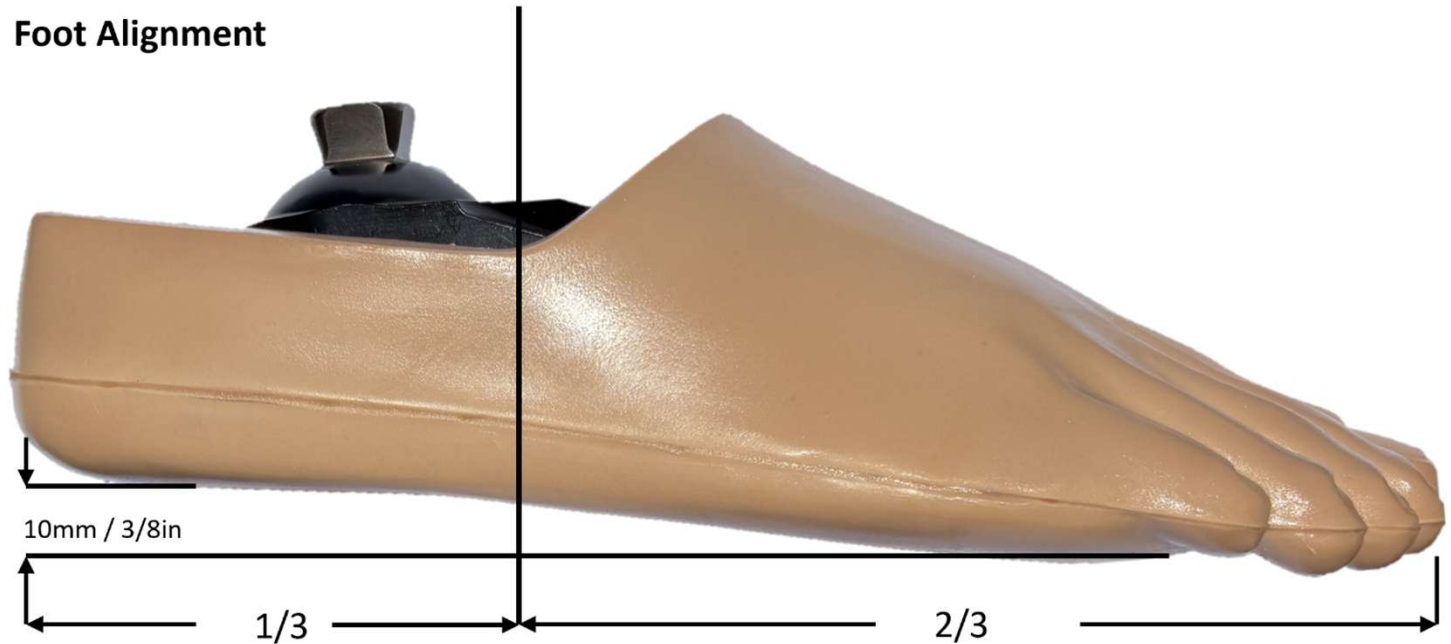
With the keel fully seated in the heel cup of the foot shell, the M5 Screws should freely screw into the threaded foot shell inserts. Using a torque wrench, tighten to **8Nm**.



Mounting

Use only high quality proximal endoskeletal components. The Dynamic Step comes with a foot shell and Spectra Sock.

Foot Alignment



Static Alignment

For optimal function, balance the patient's weight evenly between the heel and toe.

- The Dynamic Step was designed with a 3/8" (10 mm) heel rise.
- The load line divides the foot at the rear 1/3 of the foot

Dynamic Alignment

For a firmer toe response, plantarflex the foot, or move load line posterior

For a softer toe response, dorsiflex the foot, or move load line anterior

For a firmer heel response, dorsiflex the foot, or move load line anterior

For a softer heel response, plantarflex the foot, or move load line posterior

WARNING!

- Do not expose this product to pH extremes or corrosive materials (salt or Chlorinated water, or other liquids for extended amount of time and without thoroughly rinsing keel, foot shell, and sock)
- Failure to follow these technical instructions or use of this product outside the scope of the Warranty may result in injury to the patient or damage to the product, and will void the warranty
- Any modification of components will void the warranty.

Warranty Inspection / Maintenance Information

It is recommended that you schedule your patients for check-ups according to the Warranty Inspection schedule below.

High patient weight and/or impact level may require more frequent inspections. We recommend you visually inspect the following applicable parts for excessive wear and fatigue Bi-Annually.

- Composite keel and Adapter
- Foot Shell
- Spectra Sock
- Never allow aggregates such as sand to remain in the foot shell. Upon exposure to aggregates, immediately disassemble foot module and Spectra™ sock and thoroughly rinse out aggregate with water. The abrasive properties of aggregates will quickly wear the graphite components of the foot module.
- Foot modules are manufactured to fit industry standard pyramids and receivers. It is the prosthetist's responsibility to properly select fitting attachment components.

Foot shell and Spectra sock should not be exposed to extreme and continuous UV exposure, as it will prematurely fade and break down the material. Always use a covering such as a clean sock and shoes, and be sure to routinely change the sock so as to keep the enclosed environment clean and debris free.

Allowable environmental conditions

Use – relative humidity: 0 % to 90 %, non-condensing

Storage Temperature Range: between temperatures of -10°C to 50°C [14°F and 122°F]
relative humidity: 20 % to 90 %, non-condensing

Do not store in wet or very hot environment, or with UV exposure



Unallowable environmental conditions

Storage/transportation: high vibrations or impacts

Cleaning agents containing solvents

Avoid extreme/continuous UV exposure, as this will prematurely affect the Foot shell and Spectra sock

Always use a covering such as a clean sock and shoes and be sure to routinely change the sock to keep the enclosed environment clean and debris free.

Splash okay for fresh water or rain, but not salt water, urine, chlorinated water, dust, sand, or particles of foam cosmetics

Cleaning required after contact with salt-laden air, salt water, chlorinated water, urine, and sand.

LIABILITY

The manufacturer recommends using the device only under the specified conditions and for the intended purposes. The device must be maintained according to the instructions for use. The manufacturer is not liable for damage caused by component combinations that were not authorized by the manufacturer.

Always apply Blue Loctite to all alignment screws and assembly fasteners with appropriate torque. This is the responsibility of the Certified Prosthetist to ensure device integrity. Do not over torque the alignment screws, as this will damage the foot mounting pyramid faces.



CE Conformity

This product meets the requirements Council EU 2017/745 (MDR) for medical products. This product has been classified as a class I product according to the classification criteria outlined in appendix IX of the guidelines.

Please keep this manual in safe place for future use.

Warranty covers defects in workmanship for the given warranty period. Signs of abuse, lack of biannual inspection, improper installation are examples of areas not covered by warranty.

Useful Life

Service life of the product is covered by the warranty period.

Not to be used on another wearer other than original intended wearer.



Disposal

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

Do not expose Carbon feet to sand, talcum powder, or wet environments

Warranty can be void due to: Unusual usage or abuse (ex. excessive dusty/sand environmental, swimming, overly high impact (jumping), non-typical usage), Tampering with any fasteners, Modification to the module such as sanding or damaging the finish, patient weight too close to weight limit of foot module (we require a 20-25 lb. buffer).

Warranty Period is 1 year for the Keel and 6 months for the foot shell.

* Alignment screw galling will incur charges if trying to return foot. Utilize the pyramid protector during initial alignment!

*** Never use Red Loctite, ONLY Blue Loctite on any prosthetic adjustment screws or fasteners!**

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Specifications subject to change