

endurance

1116



The Endurance is intended for lower extremity prosthetic use only. Endurance is for active users that have enough Build Height (27cm build height is 180mm including foot shell) and is not intended for High impact activities.

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

1116-C (indicate category #) - size L or R

Example, if you were ordering a size 25, right foot, category 3, the part number would be: 1116-C3-25R

Activity Weight	50-60 kg 110-132 lb	60-75 kg 132-165 lb	75-90 kg 165-198 lb	90-105 kg 198-231 lb	105-125 kg 231-275 lb
Low	2	2	2	3	4
Moderate	2	2	3	4	5
High	2	3	4	5	

P/N	Description
1115-SH	Endurance foot shell REPLACEMENT - Sizes 23-28

Size Category	2	3	4	5
23			C	C
24			C	C
25				C
26				C
27	C			
28	C			
29	C			

Part Number	Categories	Sizes	Weight	Build Height	Max Weight	Heel Height
1116	2-5	23-29	720g (27cm)	170mm (27cm)	125kg / 275lb	10mm / 3/8in

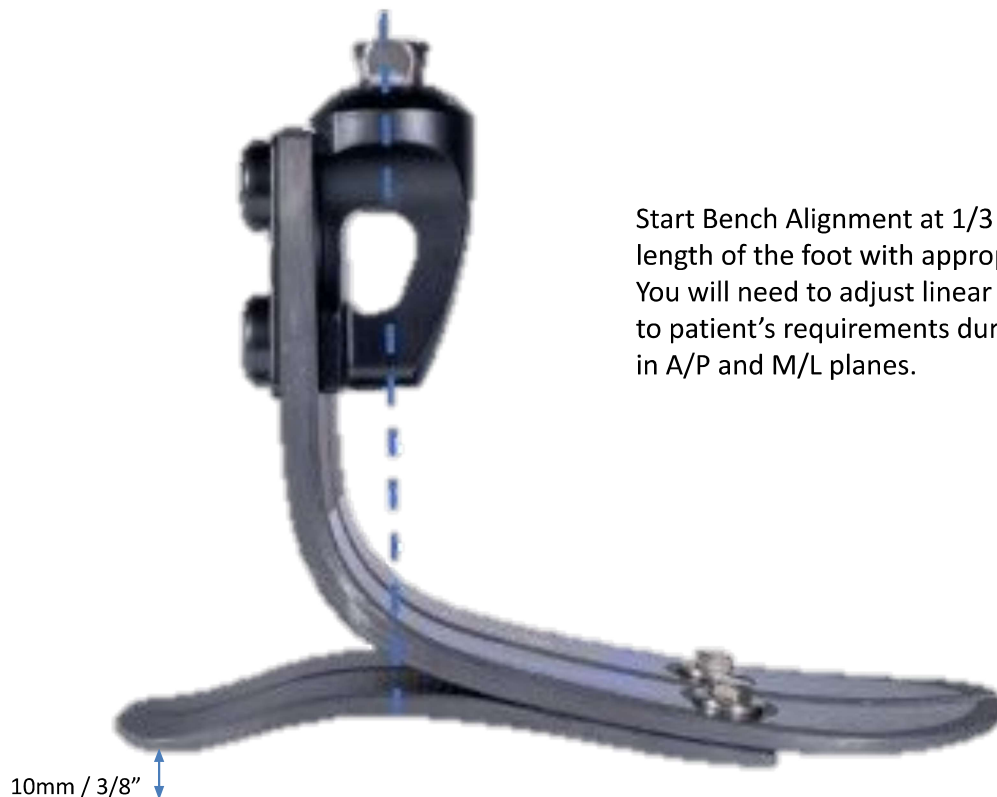
Assembly

The Endurance foot module is pre-assembled consisting of an inner keel, Spectra™ sock, and foot shell. Rubber *stiffening bumpers* for increasing heel stiffness are provided. After dynamic alignment, torque pyramid adjustment screws to the manufacturer's specifications. Secure pyramid adjustment screws with a Blue Loctite (i.e., Loctite 242).

NOTE:

Patient should be instructed to return to their prosthetist immediately if they notice any unusual noise, motion, or change in performance that may occur from what could be a damaged module.

Inspection: Biannual interval is recommended: Check for corrosion, sign of wear, or damage of the bolts, spectra sock, and of the foot module or associated parts.



Start Bench Alignment at 1/3 of the foot / foot shell length of the foot with appropriate heel height shoe. You will need to adjust linear placement accordingly to patient's requirements during dynamic alignment in A/P and M/L planes.

10mm / 3/8"

BENCH ALIGNMENT (Above)

- Fit foot with selected cover.
- **Be sure pyramid protector is utilized for pre-delivery visits. ***
- Adjust to appropriate heel height (using the shoe).
- Introduce appropriate socket angles flexion/ extension and abduction/adduction.
- Divide the foot cover length into 3 equal portions.
- The load line should fall at the junction of the posterior and the middle third portions as shown in the diagram. (Above)

DYNAMIC ALIGNMENT

The heel stores energy after initial contact, slowly releasing it into midstance.

The forward momentum generated by this action results in the toe being loaded for optimum energy release at terminal stance.

The heel to toe action can be influenced by:

- A-P positioning of foot
- Dorsiflexion / Plantarflexion
- Heel Stiffness

TROUBLESHOOTING

Heel too soft

Symptoms:

- Rapid Foot flat (amputee feels he/she is sinking into a hole).
- Extra energy is required to climb up over the toe (Toe will feel too stiff).
- Knee may hyperextend.

Solution:

- Add polyurethane heel wedge.
- Shift socket anterior (or foot posterior).

Heel too hard

Symptoms:

- Rapid heel to toe movement
- Rapid initial contact the amputee has poor control of his prosthesis
- Minimal energy return feeling
- Knee may become unstable

Solution:

- Replace heel wedge with a smaller one.
- Shift socket posterior or foot anterior

Foot module too stiff (Reverify foot module selected with appropriate module needed)

Symptoms:

- Flat spot in rollover motion at slow cadences
- Consider a lower category foot module

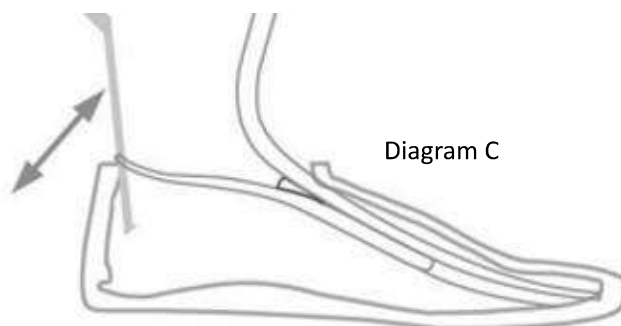
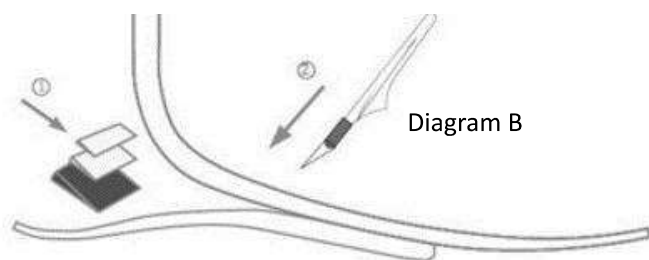
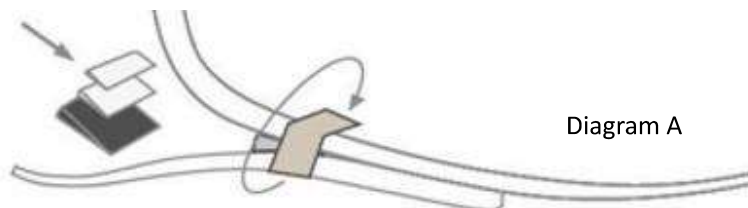
Foot module too soft

Symptoms:

- Clicking noise at *initial contact*
- Excessive toe deflection with high impact activity

Solutions:

- Consider a higher category foot module



Component Installation & Care

- **Heel Wedge:** Match foot width. For temporary use, secure with tape. For permanent use, glue the top only and split the wedge to allow split-toe movement. (Dia. A)
- **Heel Divider & Toe Cushion:** Center the divider on the heel. Shape, glue, and split the toe cushion to match the forefoot. (Dia. B)
- **Spectra™ Sock:** Essential for reducing noise and protecting the module. Replace regularly to maintain the warranty.
- **Tools & Warranty:** Use the Foot Shell Tool (long side to install, short to remove) carefully. Do not tamper with pyramid attachment bolts, as this voids the warranty. (Dia. C)

Maintenance

- Inspect the device every six months. If the user is more active, more frequent inspection may be necessary.
- Do not use baby powder or any lubricant.
- The foot module may be cleaned and/or disinfected with soap and warm water solution. Avoid harsh chemicals.

Warnings

Failure to adhere to the guidelines of the Instructions for Use will void the warranty.

- Never use the foot module without a foot shell. Failure to comply may cause premature wear, loss of function, and/or product failure.
- Never expose or submerge the Next Step Symes to salt water, chlorinated water or water in general. Failure to comply may cause premature wear, loss of function, and/or product failure.
- Always use the foot module with a Spectra sock in foot shell, and sock on the outside with a shoe. Failure to comply may cause premature wear, loss of function, and/or product failure.
- Never allow aggregates such as sand to remain in the foot shell. Upon exposure to aggregates, immediately disassemble foot module and rinse with water. The abrasive properties of aggregates will quickly wear the Toe Flex composite components of the foot module.
- ST&G foot modules are manufactured to fit industry standard pyramids and receivers. It is the prosthetist's responsibility to select and/or fabricate properly fitting attachment components.

ADVISE YOUR PATIENT:

- Discontinue use and consult their prosthetist if any part of the prosthesis starts to make noise.
- Inform their prosthetist if there is a loss or gain in a significant amount of weight.
- ST&G foot products are manufactured and tested for a particular weight and activity impact level. Use by another user for whom it was not originally manufactured may cause injury and voids any written or implied warranty or liability. The liability shall fall upon those that resale/provide the product to anyone other than the original user the foot was delivered to. Not to be resold by private party.



Environment

Operating & Storage Temperature Range: -10°C to 50°C (14°F to 122°F)

Allowable relative humidity 0 % to 90 %, non-condensing

Device should not be exposed to extreme/continuous UV exposure.

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.



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.

Useful Life

Service life of the product is covered by the 24-month warranty period.

Single use only, not to be used for any patient than initially delivered to. Cancels Warranty and Liability of the manufacturer which will fall upon the party reusing device.



Disposal

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

1116 Endurance IFU REV. H (6-26-26)

Specifications subject to change