

# WalkTek™ Instructions for Use

Product Number: VS3

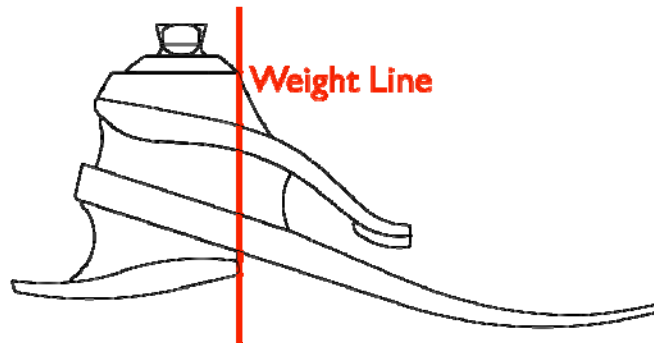
## Assembly

The WalkTek™ foot module is pre-assembled consisting of a foot module, Spectra™ sock, and foot shell. After dynamic alignment, torque pyramid adjustment screws to the manufacturer's specifications. Secure pyramid adjustment screws with a thread locking adhesive (i.e., Loctite 242).

## Bench Alignment

Prior to donning the prosthesis:

- Plantarflex/Dorsiflexion foot to match the shoe heel height.
- Adduct/Abduct socket to provide appropriate frontal plane angle.
- Flex/Extend socket to provide appropriate sagittal plane angle.
- Move the socket linearly to ensure the weight line falls along the anterior edge of the pylon (see illustration).



## Dynamic Alignment

During *loading response*, the heel stores energy and releases it during *midstance*. This action provides momentum for the keel to store energy and release it during *terminal stance*. To optimize the heel to toe rollover motion, adjust the following variables:

- Anterior/posterior foot placement
- Dorsiflexion/plantarflexion

## Troubleshooting

Heel too soft

### Symptoms

- Foot flat occurs too rapidly
- Toe feels excessively stiff
- Knee hyperextension

### Solutions

- Shift socket anteriorly in relation to the foot

Heel too hard

### Symptoms

- Rapid knee flexion, instability
- Heel to toe progression too rapid
- Lack of energy return sensation

### Solutions

- Shift socket posteriorly in relation to the foot
- Verify appropriate foot module category

Foot module too stiff

### Symptoms

- Flat spot in rollover motion at slow cadences

### Solutions

- 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

- Spectra™ Sock** A Spectra™ sock is provided to protect the foot shell and minimize noise. Spectra™ socks must be replaced at intervals appropriate to the user's activity level. Failure to inspect and replace the Spectra™ socks may prematurely wear the foot module, and will void the warranty.
- Foot Shell** When removing or installing the foot shell, follow instructions in the foot shell IFU to prevent damage to the foot module.
- WalkTek™ System** Minimum clearance: 79mm-87mm  
 Maximum user weight: 136 kg (300 lbs.)  
 Available sizes: 21cm-30cm  
 Heel height: 3/8"  
 Warranty: Graphite components/pyramid connector (12 months)  
 Foot shell (6 months)
- Maintenance** The foot module requires periodic maintenance.
- Inspect the foot module every six months. If the user is more active, more frequent inspection may necessary. Service as necessary. Replace Spectra™ sock and/or foot shell if worn to prevent damage to the graphite components.
  - The foot module may be cleaned and/or disinfected with soap and warm water.
- Warnings** Failure to adhere to the guidelines of the *Instructions for Use* will void the warranty.
- The Walktek™ is only appropriate for limited community ambulators who have the ability or potential to traverse low-level environmental barriers (K2/mobility level 2). Use by more active ambulators may cause product failure and/or user injury and 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.
  - Always use the foot module with a sock and 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 graphite components of the foot module.
  - Freedom Innovations 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.
  - Never attempt to loosen the bolt affixing the pyramid connector.
  - Discontinue use and consult your prosthetist if any part of the prosthesis starts to make noise, or the foot loses its responsiveness.
  - Inform your prosthetist if you lose or gain a significant amount of weight.
  - Avoid use in water, as prolonged exposure to moisture may have a negative impact on the life of the product. After use in water, completely dry the product.
  - Freedom Innovations 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 shall void any written or implied warranty.



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