

ORDERING GUIDELINES

The Earthwalk™ 2 Ankle and the Earthwalk™ 2 Ankle/Foot System

Earthwalk 2 Flexible Keel Foot (Multi-Axial Ankle/Dynamic Response Foot System) Part No. EW2-KIT

The Kit consists of one foot and one ankle. When ordering a Kit, please also provide a Foot Part Number and an Ankle Part Number as described in the charts below:

Foot Part Number Example		EW2F2W-26LM-3H-Y
Model:	EW2F2W - women's EW2F2M - men's	
Size of Foot:	22 to 27cm (women's), 23 to 31cm (men's)	
Side of Foot:	L = Left, R = Right	
Color:	B = Buff, M = Medium Brown, T = Tan	
Foot Keel Stiffness*:	1 = Very Low 3 = Regular 2 = Low 4 = High	
Heel Height:	L = Low 10mm M = Medium 18mm (men's only) H = High 30mm (women's only)	
Ankle Stiffness*:	R = Red B = Blue Y = Yellow G = Green	

Sample: EW2F2W-26LM-3H-Y — women's, 26cm, left, medium brown, regular keel stiffness, high heel, yellow ankle.

*Ankle Selection by Amputee Weight

Amputee Weight	Ankle Selection	Part No.
Less than 70 kg	RED	EWA2-R
71 to 80 kg	BLUE	EWA2-B
81 to 100 kg	YELLOW	EWA2-Y
101 to 115 kg	GREEN	EWA2-G

Note: The Earthwalk™ 2 Ankle can be purchased separately to retrofit to other systems.

*Foot Keel Stiffness

Use the amputee's foot size and Adjusted Body Weight to determine the recommended foot keel stiffness from the charts below. "Adjusted Body Weight" is the amputee's body weight plus any loads normally or routinely carried by the amputee.

Very Low Stiffness	Low Stiffness	Regular Stiffness	High Stiffness
Less than 70 kg	71 - 80 kg	81 - 100 kg	101 - 115 kg

Note 1: Amputees who plan to use their prostheses for running purposes should select a Pathfinder™, a Magnum foot, or a similar high performance foot in order to obtain the appropriate level of response.

Note 2: Every foot keel, regardless of stiffness, is rated at 115 kg.

Trial Period: The amputee is granted a period of 30 days to become satisfied with his Earthwalk 2; within these 30 days, the Earthwalk 2 may be returned for full credit.



FITTING AND ADJUSTING *The Earthwalk™ 2 Flexible Keel Foot and Ankle*

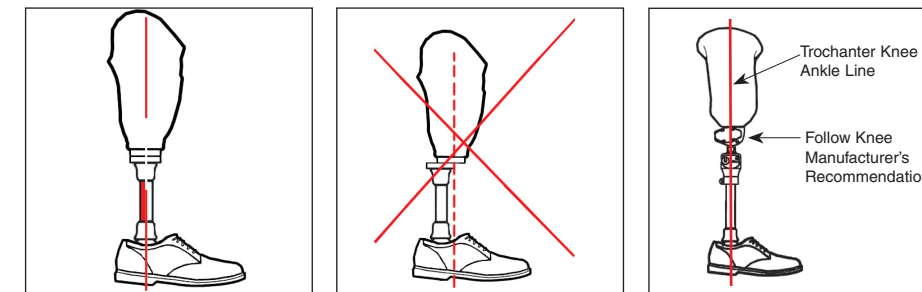
Useful Suggestion —

- Correct any socket comfort problems prior to fitting the Earthwalk 2 Flexible Keel Foot.
- The amputee's shoes used at fitting should have fairly new soles to ensure correct alignment of the prosthesis.
- Plan to place adjustable temporary alignment devices that provide Medial/Lateral & Anterior/Posterior slide, rotation, and angular adjustment in the system. These devices should be removed during the transfer of the final settings.

Before Walking the Amputee

1

Anterior/Posterior Positioning

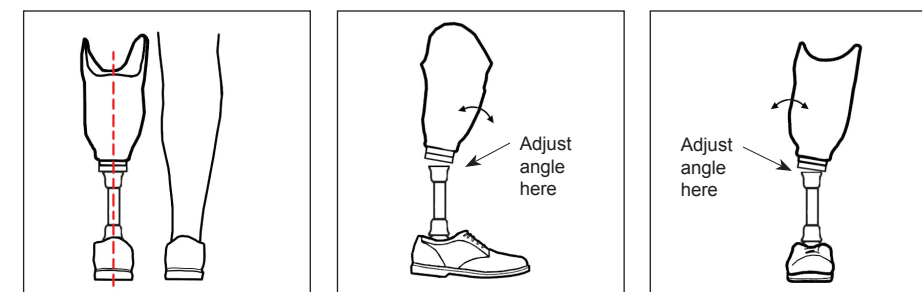


Center line of the socket should be just posterior to the center line of the pylon.

For above knee amputees

2

Lateral Positioning and Socket Angulation



Begin fitting with the center line of the foot and pylon passing through the center of the socket in the Medial/Lateral plane.

Make sure that the Earthwalk 2 Foot is flat on the floor when the amputee stands in a neutral position. Pylon should be perpendicular to the floor with the shoe on the prosthesis.



OHIO WILLOW WOOD®
free the body...free the spirit®
15441 Scioto Darby Road
Mt. Sterling, OH 43143
phone 740.869.3377 / 800.848.4930
fax 740.869.4374 www.owwco.com



Ohio Willow Wood Company B.V.
Keizersgracht 62/64
1015 CS Amsterdam
The Netherlands

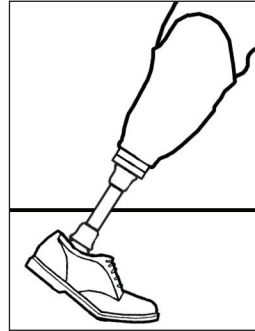
provided by
Ohio Willow Wood
15441 Scioto Darby Road
Mount Sterling, Ohio 43143 USA
www.owwco.com

Walking the Amputee

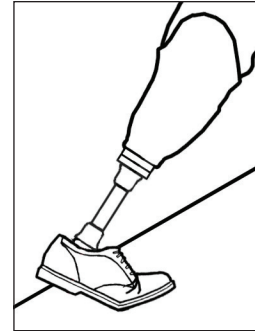
3

Familiarization Phase — 15 to 30 minutes

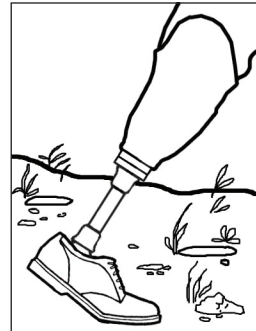
Depending on the type of foot worn prior to the Earthwalk 2, some amputees may initially experience forefoot resistance; however, **do not** reduce this forefoot resistance by changing the alignment until the amputee has gone through the following acclimation exercises:



Walk extensively on flat surface using all cadences that are normal for the patient.



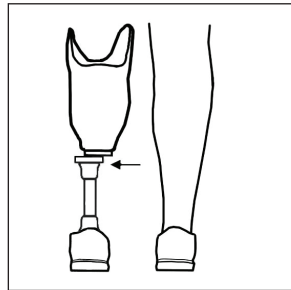
Up and down ramps adapted to the ability of the amputee until confident.



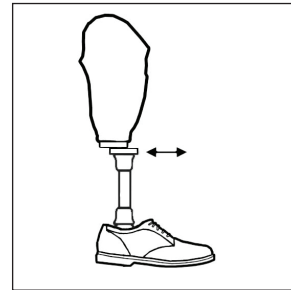
Uneven terrain adapted to the ability of the amputee until confident.

4

Dynamic Tuning



Adjust Medial/Lateral placement to allow for a balanced weight transfer during mid-stance phase of walking. Try to remove almost all of the lateral movement at the knee.



Adjust Anterior/Posterior placement to allow increased balance from the mid-stance phase through toe-off.

...But, retain a noticeable forefoot resistance. Do not eliminate all the perceived forefoot resistance by moving the Earthwalk™ 2 Foot too far back.

Optimized Tuning

5

Stride Strengthening Process - 1 to 4 weeks

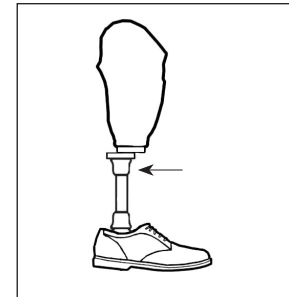
Wearing the Earthwalk 2 Foot and Ankle, most amputees will improve their mobility and build up their muscle strength.

- We suggest that the amputee wear the prosthesis with the above settings locked in until an improved mobility level is reached (1 to 4 weeks). Using a clear diagnostic test socket during this trial period is not recommended.
- During this strengthening process, the amputee may experience soreness of the thigh muscles. Continued use of the prosthesis with this alignment will result in increased endurance.

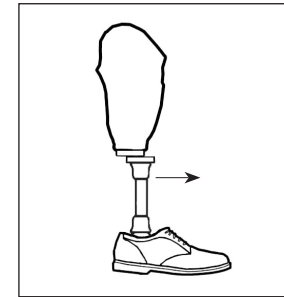
6

Permanent Settings

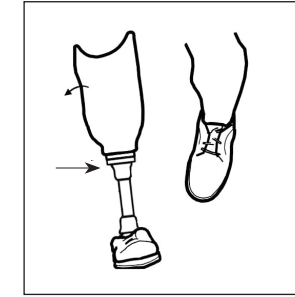
After the amputee has walked with the Earthwalk 2 Foot for at least a week (several weeks for optimum settings), go through the following process to achieve the final alignments:



If amputee says that forefoot resistance hampers his stride, slide the Earthwalk 2 Foot back until stride is smooth and comfortable.

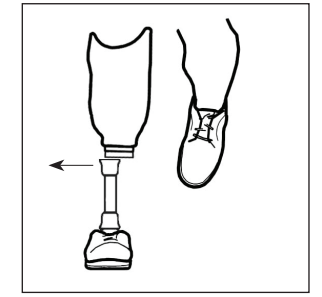


If amputee says that the Earthwalk 2 Foot feels softer and desires more forefoot resistance, slide the Earthwalk 2 Foot forward to provide more energy return.



If the amputee walks on the outside edge of the shoe, make the necessary angular as follows:

- If the pylon is at an angle with respect to the socket, make angular changes at the socket to straighten the pylon.
- If the pylon is straight with respect to the socket and the amputee still walks on the outside edge of the shoe, make the necessary angular changes at the ankle.



If lateral thrust of the knee occurs, move the Earthwalk 2 Foot laterally to correct the situation.

Transfer all adjustments into the permanent prosthesis and remove all temporary adjustment devices.