

echelon

The award winning biomimetic foot with hydraulic control that flows with your body motion.



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The Echelon foot is a unique prosthetic device, which provides self-alignment of the artificial limb on varied terrain and following footwear changes without the need for external power sources. This benefits the amputee in a number of ways:

- It improves knee stability on all surfaces, making walking safer and increasing confidence.
- The Echelon reduces the interface pressure between the prosthetic and the residual limb, thereby reducing pain and discomfort.
- Promotes greater involvement of the prosthetic side in walking.
- Reduces gait deviations and decreases the amount of work required from the muscles for efficient walking.
- Enables a greater range of self-selected walking speeds.
- Allows good posture when standing on inclines because it flexes to the slope so the user doesn't need to accommodate unnaturally at proximal joints.

Natural ankle control

Humans have an extraordinary ability to balance when standing and walking on various surfaces. When considering a snap shot moment in walking, the human locomotor system appears inherently unstable, yet neuromuscular control acts fluidly to preserve balance.

An amputee provided with a fixed ankle prosthesis loses the benefits of dynamic control, particularly when choosing to walk on uneven terrain rather than a flat surface. The Echelon foot naturally restores the individual's ankle control strategy and returns the sensation of stance stability and confident toe clearance. This means safer gait and reduced risk of falling.*





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Users at Level 2 and 4 activity who would benefit from this foot will require softer or stiffer springs as appropriate for the individual.

Spring set recommendations are for trans-tibial users. For trans-femoral we suggest selecting a spring set one level lower.

User V 44-52 100-115	53-59	60-68 131-150					117-125 256-275	-
1	2	3	4	5	6	7	8	Sprii se

¹Component weight shown is for a size 26cm without footshell. Patents: US: 6719807, 8574312, 8740991. EU/RoW: 5336386, 1149568.



10mm

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An annual visual inspection is recommended. Check for visual defects that may affect proper function. Maintenance must be carried out by competent personnel.