endolite
get busy living

www.endolite.co.uk

The award winning echelon foot

Example

EC 25L 5
Size side / Spring set

*For dark tone add suffix D

Foot example: echelon, size 25 left, spring rating 5

Max. Amputee weight:	100kg / sizes 22-24
	125kg / sizes 25-30
Activity level:	2-3
Size range:	22cm-30cm
Component weight:	900g[1]
Build height:	115mm sizes 22-24
	120mm sizes 25-26
	125mm sizes 27-30
Heel height:	10mm
Fitting instruction:	938280

[1]Component weight shown is for a size 26cm without footshell

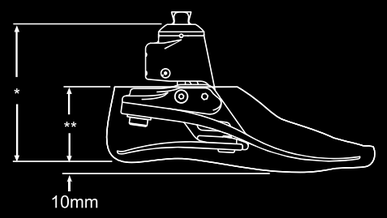
Selection

Activity	User Weight								
	44-52	53-59	60-68	69-77	78-88	89-100	101-116	117-125	kg
	100-115	116-130	131-150	151-170	171-195	196-220	221-255	256-275	lbs
3	1	2	3	4	5	6	7	8	Spring set
							Size 25-30 only		

Size 22-24 rated to 100kg
Size 25-30 rated to 125kg

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.



* sizes	** sizes
22 - 24 = 115mm	22 - 24 = 70mm
25 - 26 = 120mm	25 - 30 = 75mm
27 - 30 = 125mm	

THE QUEEN'S AWARDS FOR ENTERPRISE: INNOVATION 2010

WARRANTY
36 months for echelon foot,
12 months for foot shell

Chas A Blatchford & Sons Ltd, Lister Road, Basingstoke, Hampshire, RG22 4AH, United Kingdom, www.endolite.co.uk
Customer Services, Tel: +44 (0) 114 263 7900, Fax: +44 (0) 114 263 7901, sales@blatchford.co.uk

www.endolite.co.uk





echelon

The echelon foot has been recognised by many prestigious organisations for the benefits that the innovative design brings to amputee users. The Queen's Award, Mac Roberts nomination and recognition from organisations within the P&O industry all cited the positive impact the foot has on mobility, comfort and activity. We are delighted by this response but even more proud about the user feedback telling us how much the people who wear the echelon love the foot.

Hydraulic Control adapts foot position to terrain requirement. It also allows the toe to move downwards or tuck in for sitting.

Tripod spring system combined with the natural ankle motion conforms effectively to all terrain

Plantar-flexion and Dorsi-flexion stiffness adjusters.

Independent e-carbon heel and toe springs for efficient energy management

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.
- It corrects postural alignment by comparison with standard prosthetic feet and limits damage to the joints proximal to the amputation. This means improved gait biomechanics and promotes better long-term health prospects for the individual.
- Crucially, the Echelon augments energy management during gait so the wearer can do more with less effort: this enhances the overall experience of day-to-day mobility.
- The hydraulic design ensures smooth operation.
- The biomimetic design and low profile finish give this foot great cosmetic appeal.
- The Echelon hydraulics and foot leaf springs mimic the spring-damper model of a natural muscle.

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. The poet Oliver Wendell Holmes fittingly described walking as "perpetual falling with perpetual self-recovery".

An amputee provided with a fixed ankle prosthesis loses the benefits of dynamic control, particularly when choosing to walk on uneven terrain other 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.

The Echelon toe moves up into a dorsi-flexed position during swing through for enhanced toe clearance

CE

935171 Iss4 0412 Blatchford