

A woman with a prosthetic leg is walking on a gravel path in front of a brick building. She is wearing a white tank top, light-colored cargo pants, and purple sneakers. The prosthetic leg is black and appears to be a myoelectric or body-powered leg. The background shows a brick building with several windows, including an arched window, and some greenery.

élan

The new Elan now features:
Standing Support Mode
Integrated Micro Connector
Simplified set-up
Even longer battery life
Battery life indicator

Open up your world

Experience smoother, safer and more natural walking



endolite



Inspired by Nature, Developed for You

Human walking is a marvel of evolution, offering beautifully efficient, rhythmic, sinuous ambulation. Biomimetic engineering is at the heart of Endolite's design philosophy, where we believe the best prostheses replicate the dynamic and adaptive qualities of natural limb movement.

This approach led to the design of the world's first hydraulic ankle-foot and the development of Endolite's award-winning, clinically proven range that is tried, tested and trusted.

Biomimetic Hydraulic Technology

Endolite hydraulic ankles fine-tune joint position to align the body with the ground to reduce socket interface stress, continuously adjusting to absorb and release energy for an efficient roll-over and remaining perfectly aligned for the next step to help reduce the risk of falls.

Microprocessor Active Resistance Control

Elan mimics natural muscle resistance and ankle motion by adapting hydraulic resistance levels to optimize stability when standing, on slopes and uneven terrain. This encourages more symmetrical limb loading, faster walking speed and reduced compensatory movements. The ankle pivot point is optimally positioned close to the natural weight line for a more natural response through the gait cycle.

The result is smoother, safer and more natural walking, helping to preserve the body for the long term.

Scientifically Proven*

Endolite's Biomimetic Hydraulic Technology mimics the dynamic and adaptive qualities of muscle actuation to encourage more natural gait. Multiple independent scientific studies, comparing Endolite hydraulic ankle-feet to non-hydraulic feet, have shown:

- Improved safety, reduced risk of trips and falls
- Greater comfort, reduced socket pressures
- Smoother, easier and more natural gait
- More evenly balanced inter-limb loading
- Greater satisfaction

*Please see Clinical Compendium available to download at blatchford.co.uk/endolite/elan



Why Elan is Different

Hills and slopes offer unique challenges for amputees. With Microprocessor Active Resistance Control, Elan adjusts the plantar flexion and dorsiflexion resistance levels to provide greater stability for standing and down slopes and greater assistance for walking fast or uphill.



Ramp Brake

On walking downhill, lower plantar flexion resistance allows the foot to fully contact the slope sooner for improved safety and security. At the same time, increased dorsiflexion resistance provides a braking effect stabilizing the user for a safer, more controlled descent.



Ramp Assist / Fast Walk

When walking quickly or up slopes, the plantar flexion resistance increases allowing for more optimal energy storage and return. Combined with a softer dorsiflexion resistance, this aids forward momentum, body position and minimizes the effort required to walk fast or uphill.



Standing Support

Standing for longer periods has also just got easier. A network of sensors detect the user is stationary, increasing resistance to help improve balance, stability, reduce effort and encourage a more natural posture.



Swing Clearance

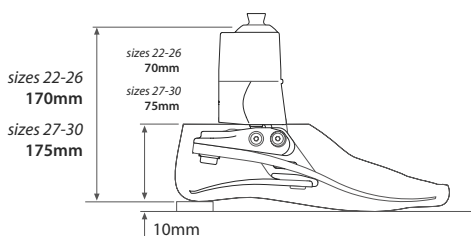
During swing phase, the ankle remains in a dorsiflexed position increasing toe clearance on every step and reducing the risk of stumbles or falls.



Integrated Micro Connector and Battery Life Indicator



BUILD HEIGHT



Activity	User Weight								Spring set
	44-52	53-59	60-68	69-77	78-88	89-100	101-116	117-125	
	kg								
	lbs								
3	1	2	3	4	5	6	7	8	

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.

*For weights above 125kg up to 150kg contact an endolite representative. †Component weight shown is for a size 26cm without footshell
 Patents: US: 7985265, 6719807, 8574312, 8740991, 9132023. EU/RoW: 5336386, 1149568

FEATURES

- **Situational Awareness** – a network of sensors detect the user’s activity and environment
- **Biomimetic Hydraulic Technology** – for more natural and fluid ankle motion
- **Active Resistance Control** – microprocessor motor controlled adaptive resistance provides Standing Support, Ramp Brake and Ramp Assist Modes
- **Split toe** – for ground compliance on uneven terrain
- **E-carbon springs** – for efficient energy return
- **Lightweight, compact design** – for improved aesthetics
- **Simplified software** – fast and easy programming
- **Battery life indicator** – LED indicates remaining power
- **Even longer battery life** – with power saving mode and up to two days usage between charges
- **Low Power Mode** – reverts to low resistance levels in low power situations

SPECIFICATIONS

Max. user weight:	125kg*
Activity level:	3
Size range:	22cm-30cm
Component weight:	1.2kg†
Build height:	170mm sizes 22-26 175mm sizes 27-30
Heel height:	10mm

ORDER EXAMPLE

ELAN	25L	5	For dark tone add suffix D
	Size Side	Spring set	Foot example: elan, size 25 left, spring rating 5

ACCESSORIES

Communications kit (required for programming should be ordered separately)	406431E
Battery charger kit	409087E
DC charger	950224
Clinician’s manual	938317E
Bluetooth connector	409093

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