



Elan^{IC}

Do more. Feel good.

Blatchford

“The best thing about ElanIC is that it’s waterproof, so I can play with my daughter, paddle in water and not have to worry about it getting wet.”

Sian



ElanIC is the world's lightest and most compact waterproof microprocessor hydraulic ankle, which combines our award-winning prosthetic technology with the latest induction charging, meaning you can do more each day.

Designed to meet your unique needs as an amputee, ElanIC mimics the natural function of the foot and ankle, adapting hydraulic resistance and providing exceptional energy return to give you stability on slopes, steps and uneven terrain. By enabling you to distribute weight evenly when standing and walking, the result is a smoother, safer, more natural walking experience.



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 stabilising 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 minimises the effort required for fast or uphill walking



Standing Support: Standing for longer periods is easier with ElanIC. 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.

Scientifically proven* to provide long-term health benefits.

Improved
safety



18% increase in toe clearance¹ reduces the chance of trips and falls²

Greater
control and
safety



Increased confidence in walking and negotiating variable terrain³⁻⁵

Greater
comfort



Pressure on residual limb is reduced by 60%⁶

Balanced
limb
loading



Reduced chance of long term limb disease^{7, 8}

Improved
energy
efficiency



Up to 20% reduction in energy costs on slopes⁹

Patient
satisfaction



33.4% increase for bilateral patients¹⁰

*Clinical studies, latest research papers and full references available on our website
<https://www.blatchford.co.uk/prosthetics/professionals/clinical-evidence/>





Do more. Feel Good.

The all-new waterproof ElanIC enables you to do things you love and take care of your long-term health. This hydraulic ankle works hard to give you the support you need while protecting your bones and joints from the additional wear and tear that is common for many users of prosthetic limbs.

Our design approach is led by your unique needs as an amputee. At Blatchford we specialise in understanding the dynamic and adaptive qualities of natural limb movement, so that you have an experience that is as close to a human ankle as possible, leaving you to focus on doing what you love and feeling good.

Peace of Mind

Featuring simple and safe induction charging technology, ElanIC is completely sealed from the elements meaning that it is waterproof, giving you peace of mind around water.

“When you’re a Mum you never stop. Before I would have to sit down and take my prosthesis off but with ElanIC I can just keep going.”

Sian



IP67
Waterproof

- ✓ Submersible up to 1m
- ✓ For up to 30 minutes
- ✓ Dustproof
- ✓ Showerproof and weatherproof

Product Features

- Integrated Bluetooth®
- Clinician Programming App
- Microprocessor controlled plantarflexion and dorsiflexion
- Standing support mode increases resistance when stationary to help improve balance, stability, reduce effort and encourage a more natural posture
- Variable response to speed changes
- Increased plantarflexion resistance allows for more energy storage and return when walking quickly or up slopes
- Ankle dorsiflexion during the swing phase increases toe clearance and reduces the risk of trips and falls
- Increased dorsiflexion resistance provides a brake when walking down slopes for improved safety and stability
- Waterproof – IP67
- Induction charging
- Sandal Toe Foot Shell

Elan^{IC}



Technical Specification

Max User Weight	125kg	Heel Height	10mm
Activity Level	(2) 3 (4*)	Range of Movement	6° PF / 3° DF
Size Range	22-30 (sizes 25-27 available in Narrow and Wide)	Waterproof	Rated IP 67
Component Weight without footshell	1kg	Charging Type	Induction
Component Weight with footshell	1.24kg	Battery Life	up to 48 hours [^]
Build Height	Sizes 22-26: 172mm Sizes 27-30: 177mm	Charging time	5.5 hours
		Sandal Toe Foot Shell	Yes
		Warranty	36 Months

Ordering Information

Product Code	Size	Side	Width*	Spring Set	Sandal Toe
ELANIC	25	L	N	3	S

*Narrow (N) and Wide (W) available for sizes 25-27 only. For dark tone add suffix D.

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*Maximum user weight 100 kg and always use one higher spring rate category than shown in Spring selection table. [^]Dependant on activity levels and battery age.

References

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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. Before carrying out any new activities of daily living, please check with your clinician whether specific training is required.

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