

LiNX



Linx because
the world isn't flat



endolite

Linx

Linx is the first fully integrated, microprocessor controlled, lower limb system available in the world. Every element is part of a design whole that balances energy, posture and sensation for a truly captivating walking experience. The revolution is the master controller that coordinates the Linx response so the different parts work together in harmony.

Why is Linx so much better?*

Increased safety

Linx is safer because the 'situational awareness' sensing ensures that the limb supports and responds on any terrain without unnatural compensatory adjustments at other joints.

Less effort to walk

The Linx assist mode means that the system progressively adjusts stiffness and support depending on walking speed. It feels instantly responsive and with efficiencies: like the 8% reduction in hip power down slopes, it encourages activity.

Improved gait

The system dynamically aligns the joints throughout the gait cycle so that every single shift in body mass is assessed and incorporated into a seamless, natural walking style that is unique to the individual.

Reduced compensatory activities

Postural compensation is natural but beyond an optimal level: joint wear and tear becomes a problem. Back pain is prevalent among amputees because of over compensation, Linx visco-elastically self-aligns to the ground, allowing even weight distribution and reduced compensatory movements.

Reduced strain on the rest of the body

Standing Lock and the Flexion Lock allow the prosthesis to remain stable at both ankle and knee joints, whether on a flat surface or ramp. Linx is fully secure, maintaining balanced posture and even weight distribution on joints and spine.

Senses attuned

Situational Awareness System

7 sensors continuously collect data on the user, activity, environment and terrain. Virtual sensors in the 4 CPUs re-combine this data and the Master Controller seamlessly adapts the limb response.

User Interface

Gives the clinician precision control over the optimisation for each individual program. Simultaneously programs foot and knee and derives responses directly from the real-time sensor stream.

Dynamic Alignment

Hydraulic Ankle Control Systems opened up new thinking on the impact of continuous alignment on posture, security and comfort. The posture and alignment benefits also mean reduced point pressures at the socket interface.



* Based on Blatchford's internal data collection; feedback and evaluation.



“ Slopes are the best thing. I can walk up and down with ease. ” Paul E

“ With the Linx, even walking across cobbles is effortless! ” Richard B

“ I spend a lot of time standing, waiting in airports. I was thinking about having surgery for my back pain but when I got the Linx the pain went away. ” Ian L

Balanced, refined, tuned precision

Fluid Motion

The Linx System fluidly provides physiological motion based on Bio-mimetic principles of gait and posture. The Master Control Unit coordinates the responses of the whole system to achieve perfectly tuned symbiosis between the system parts.



Technical Excellence

- 4x CPUs allow us to pack a great deal of intelligence into the Linx
- The Bluetooth connection means your choice of where to program the limb.
- Lithium Ion power system gives 3 to 4 days activity on a single charge

Man and Machine

The combination of active alignment and progressive resistance levels in Linx means that the foot maintains tractive contact with the ground, the system locks if the user remains stationary and it assists gait at the speed of choice. The user maintains body form and shape, confidently engaging in all the variety that life brings them.



FEATURES

- **Situational Awareness**
Assists or brakes appropriately for speed and ramp ascent and descent
- **Standing Lock**
On flexed knee or on ramps: secure, comfortable weight distribution
- **Ramp Dynamics**
Progressive knee and foot resistance for controlled ramp descent

SPECIFICATIONS

Activity level:	3
Size range:	22 to 30
Component weight:	2.6kg†
Build height:	475mm to 570mm
Heel height:	10mm

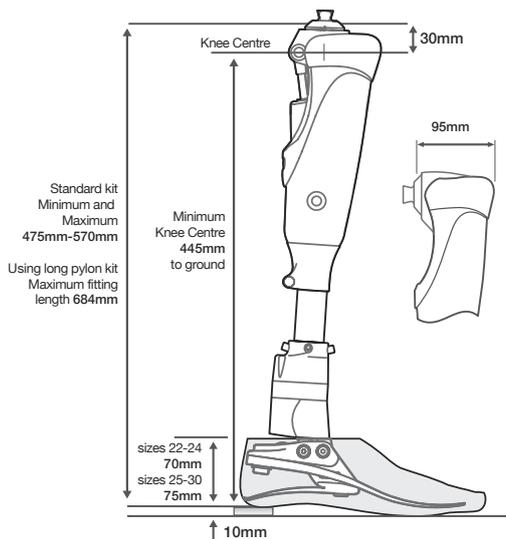
ORDER EXAMPLE

LiNX

25L 3
Size Side Spring set

For dark tone add suffix D.
Example: foot size 25 left, spring rating 3

BUILD HEIGHT



ACCESSORIES

Long Pylon kit	339965
Pylon cutting jig	941257
Clinician's Manual	938353

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

Activity level 3 has the ability or potential for ambulation with variable cadence. Typical of the community ambulator who has the ability to traverse most environmental barriers and may have vocational, therapeutic, or exercise activity that demands prosthetic utilization beyond simple locomotion.

†Component weight shown is for a size 26cm without footshell



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Endolite is part of the Blatchford Group.

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