

Linx because the world isn't flat



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

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.

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.

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. Slopes are the best thing. I can walk up and down with ease.

With the Linx, even walking across cobbles is effortless!

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.

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

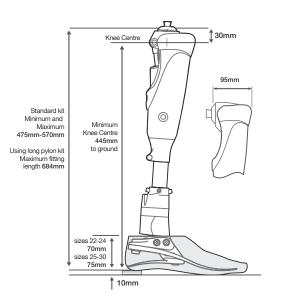
- 4x CPUs allow us to pack a great deal of intelligence into the Linx
- The Bluetooth connection means your choice of where to program the limb.
- Lithium lon power system gives 3 to 4 days activity on a single charge

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.



BUILD HEIGHT





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

SPECIFICATIONS

ramp descent

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

ORDER EXAMPLE

٨X	251	_ 3
	Size Side	Spring set

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

ACCESSORIES

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

3	1	2	3	4	5	6	7	8	Spring set
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†Component weight shown is for a size 26cm without footshell

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