



Echelon^{VT} Datasheet

EchelonVT combines Echelon Technology with a rotation and vertical shock absorption component which is designed to reduce the forces exerted on the residual limb. This allows the twisting forces to be absorbed by the ankle rather than be transmitted to the socket interface.

EchelonVT is ideal for higher activity users wanting all the benefits of hydraulic technology but requiring a system that provides greater energy return, shock absorption and generally a more dynamic and livelier feel.



Key Features

- ✓ Unique and proven Echelon Technology
- ✓ Rotation and vertical shock absorption
- ✓ Greater energy return
- ✓ More dynamic and livelier feel



Unique and Proven Echelon Technology

EchelonVT encompasses all the unique features of Echelon – the original hydraulic ankle. For over a decade, the Echelon range has provided users with clinically proven technology and is a popular choice worldwide.

- **E-Carbon Foot Spring Technology**

This not only provides excellent energy storing and release properties but also works in harmony with the range of movement in the ankle to provide a natural and comfortable walking experience.

- **Natural Motion & Control**

When walking up slopes, the additional range allows the body to move forward over the foot, reducing energy requirements by making rollover easier. When walking down slopes, the foot complies with the slope without forcing the leg forward, allowing for a more controlled descent.

- **Hydraulic Ankle Technology**

Hydraulic damping and foot springs produce a visco-elastic response that simulates the behaviour of muscles by storing energy and releasing it at the right time. When compared to non-hydraulic ankles⁺, this technology is clinically proven to provide higher levels of comfort and safety, more natural walking, more balanced limb loading and overall greater patient satisfaction.

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

Technical Specification

Max User Weight	125kg
Activity Level	3
AK/BK	Both
Size Range	22-30 (sizes 25-27 available in Narrow and Wide)
Component Weight	855g without foot shell
Build Height	Sizes 22-24: 168mm/Sizes 25-26: 173mm/ Sizes 27-30: 178mm
Heel Height	10mm
Hydraulic Range of Movement	9° (3°DF/6°PF)
Waterproof	No
Weatherproof	Yes
Product Code/Number	ECVT
Sandal Toe Foot Shell	Yes
Warranty*	36 months

*Foot shell 12 months, glide sock 3 months

Order Example

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

*Narrow (N) and Wide (W) available for sizes 25-27 only. For dark tone add suffix D.
Example: foot size 25, left, narrow, spring rating 5, axial spring 3, sandal toe

Accessories

Alignment Wedge	940093
Foot Shell Cover	539096