



Echelon^{ER} Datasheet

Our latest hydraulic ankle, EchelonER broadens the Echelon Range by combining all the unique features and award-winning technology of Echelon with an extended range of ankle movement.

Featuring an all-new **robust and waterproof design**, the extended range provides users with even more ground compliance on **steep slopes** and uneven terrain. Combined with improved accommodation of heel height, users have greater flexibility with footwear choice and a seamless transition to **barefoot walking** is possible. EchelonER also self-aligns with the ground when users are seated which enables a **relaxed foot position**, a natural look, and reduces pressure on the residual limb.

The result is a robust foot that is adaptable for more demanding activities and provides flexibility in day-to-day life to enable users to explore what's possible.



What's new and unique?

- ✓ Increased range of movement – 25° compared to Echelon's 9°
- ✓ Improved flexibility of footwear choice and the option of barefoot walking
- ✓ More natural and comfortable sitting position
- ✓ Robust design
- ✓ Easier and more stable standing and sitting
- ✓ Specially designed pyramid interface to allow water to escape from within the tube



Unique and Proven Echelon Technology

EchelonER 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 behavior 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.blatchfordus.com/prosthetics/professionals/clinical-evidence/>

Technical Specification

| | |
|------------------------------|---|
| Max User Weight | 125kg (275lb) |
| Activity Level | 3 |
| AK/BK | Both |
| Size Range | 22-30 (sizes 25-27 available in Narrow and Wide) |
| Component Weight | 770g (1lb 11oz) without footshell |
| Build Height | Sizes 22-24: 142mm/Sizes 25-26: 147mm/ Sizes 27-30: 152mm |
| Heel Height | 10mm |
| Range of Movement | 19° PF/6° DF |
| Waterproof | Yes |
| Weatherproof | Yes |
| Product Code/Number | ECER |
| Sandal Toe Foot Shell | Yes |
| Warranty* | 36 months |
| Adaptors | Foot has proximal male pyramid |

*Foot shell 12 months, glide sock 3 months

Order Example

| Product Code | Size | Side | Width* | Spring Set | Sandal Toe |
|--------------|------|------|--------|------------|------------|
| ECER | 25 | L | N | 3 | S |

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

Accessories

| | |
|-----------------------------|--------|
| Instructions for Use | 938449 |
| User Guide | 938450 |
| Alignment Wedge | 940093 |
| DF/PF Adjuster Key | 940236 |