

Elite Blade

Elite Blade is an energy-storing-and-return prosthetic foot, which uses e-carbon foot springs to efficiently absorb energy during weight bearing and return it during off-loading, in order to aid propulsion. The C-shaped heel spring allows >10mm of vertical compliance when loaded axially and maximises the energy return. The forefoot spring extends up to act as the prosthetic pylon, giving extra flexibility and range-of-motion. The split toe spring, in combination with the separate heel spring, permits a tripod design for exceptional ground compliance.

Clinical Outcomes using e-carbon feet

Much research confirms the substantial equivalency of all energy-storing and return feet, including Blatchford e-carbon feet¹.

With respect to **SAFETY**

- High mean radius of curvature for Esprit-style e-carbon feet²: “The larger the radius of curvature, the more stable is the foot”

With respect to **MOBILITY**

- Allow variable running speeds³
- Increased self-selected walking speed⁴
- Elite-style e-carbon feet (L code VL5987) or VT units demonstrate the second highest mobility levels, behind only microprocessor feet⁵

With respect to **LOADING SYMMETRY**

- Users demonstrate confidence in prosthetic loading during high activity⁶
- Improved prosthetic push-off work compared to SACH feet⁷
- Increased prosthetic positive work done⁴

With respect to **USER SATISFACTION**

- High degree of user satisfaction, particularly with high activity users⁸

References

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