

Our mechatronic foot portfolio

Meridium

Explore new paths.

Designed for moderately active individuals who navigate varied indoor and outdoor environments and place a high value on intuitive adaptation that replicates natural movement.

Properties

- Constant adaptations within the foot adjust to changes in terrain like uneven ground and slopes
- The microprocessor controls the smooth hydraulic rolover for an easy walking feeling
- Automatic heel height adjustment for easy shoe changes



Empower

Restore your power.

Designed for active individuals who navigate varied indoor and outdoor environments and place a high value on the ability to cover longer distances and walk at a higher walking speed.

Properties

- Emulates lost muscle function by actively supplying energy at toe off
- Active plantar flexion during loading of the limb provides extra comfort when walking and increased stability when walking downhill on slopes
- Reduces loading on the body joints due to increased support late in stance phase on the prosthetic side



Intelligent prosthetic feet



Meridium 1B1-2

Empower 1A1-2

Mobility grade	2–3
Foot sizes	24–29 cm
Max. body weight	125 kg
Build height (size 27 cm)	160 mm
Real-time adjustment	22° PF/ 14,5° DF
Battery life	1 day
Moisture protection	Weatherproof (IP 54)
Adaptation to level and uneven terrain	✓
Adaptation to slopes and stairs	✓
Adaptation to walking speeds	✓
Relief function when sitting	✓
Heel height adjustment	✓
Intuitive stance function	✓
Increased ground clearance during swing phase	✓
Dynamic response and flexibility of the carbon spring	✓
Powered propulsion on level ground, slopes and stairs	✓

Mobility grade	3–4
Foot sizes	25–30 cm
Max. body weight	130 kg
Build height (size 27 cm)	221 mm
Real-time adjustment	22° PF
Battery life	approx. 8 hours (changeable battery)
Moisture protection	Splashproof (IP 24)
Adaptation to level and uneven terrain	✓
Adaptation to slopes and stairs	✓
Adaptation to walking speeds	✓
Relief function when sitting	✓
Heel height adjustment	✓
Intuitive stance function	✓
Increased ground clearance during swing phase	✓
Dynamic response and flexibility of the carbon spring	✓
Powered propulsion on level ground, slopes and stairs	✓

Recommended combinations for transtibial amputees

The DVS (Dynamic Vacuum System) – with active vacuum

- reduces the perceived weight of the prosthesis due to its firm, precise fit on the residual limb



Recommended combinations for transfemoral amputees

The Skeo Sealing liner

- ensures a secure and reliable prosthetic connection and is characterised by easy donning and doffing, as well as good residual limb adhesion



C-Leg, Genium and Genium X3

- are characterised by their high level of safety, proven in numerous studies



More than a foot. A foundation.