Empower
Reclaim your power.

Information for technicians
Empower
Powered propulsion for more freedom in life

The Empower is an innovation in the field of prosthetic feet. It is equipped with an active ankle joint, making it the only prosthesis with powered propulsion.

The Empower is characterized by the following clinically proven features:

**Power**
- Emulates the function and power of lost muscles and tendons
- Provides energy instead of taking it away – even up ramps, hills and stairs

**Control**
- Life-like ankle movement that normalises user’s walking gait
- Reduces joint forces which may result in less pain and fewer long-term orthopedic problems

**Stability**
- Adjusts ankle power, resistance and flexion in real-time
- Provides balance on variable terrain

Increased energy and less fatigue to walk farther and faster
The Empower replaces the function and power of lost muscles and tendons, giving users energy rather than taking it away – even up ramps, hills and stairs. Its powered propulsion drives the user forward and upward while smoothly transitioning weight to the remaining limb. The Empower provides the required amount of energy needed for each step, enabling users to cope effortlessly with longer distances, stairs and sloping terrain.

Improved safety and stability on different terrain
To ensure a smooth rollover of the foot, the Empower decelerates the body at heel strike before accelerating again for toe-off. At the same time, the amount of plantar flexion is adjusted to the slope of terrain. The system uses high resolution sensors to determine the correct amount of ankle power, resistance and flexion in real-time. This helps the user maintain balance and to cope better with variable terrain.

Gentler on joints
Many users suffer from painful joints as a result of changing their gait pattern. Unbalanced movement patterns and compensatory movements can even lead to osteoarthritis. With its active powered propulsion, the Empower improves the user’s gait pattern and reduces the adduction moment. This aids in preventing pain and incorrect gait patterns.
Empower
Details

360° top cap access
The pyramid adapter enables a quick and easy fitting.

Dynamic Adaptation
Intrinsic control firmware analyzes ankle joint torque and angle data from high resolution sensors, in real-time, to mimic the user’s physiological ankle function.

Ankle Display
The power button and battery indicator lights reflect the state of charge are located in front of the Ankle.

Lithium-Polymer Battery
The integrated battery lasts for up to 8 hours depending on user activity. The dual bay charger can charge two batteries simultaneously in as little as 90 minutes.

Weather sealed components
The Ankle is resistant to rain, snow and dirt to withstand the varied demands of everyday life.

Powered Propulsion
A battery-powered, motorized actuator coupled with a high energy spring provide powered propulsion that emulates the gastrocnemius and soleus muscles.

Ankle Display
The power button and battery indicator lights reflect the state of charge are located in front of the Ankle.
Warranty and service

The comprehensive warranty package provides your customers with guaranteed mobility for 3 years with no repair costs:

- 3-year manufacturer’s warranty*
- Free repairs**
- Free service inspection in month 24
- Free service unit during repair and service inspections

As an alternative, a 6-year warranty package is offered. The warranty can be extended to 6 years at a later date.

* Valid for prosthetic foot and charger. The battery is covered by an one year warranty. Wear parts as the footshell are excluded from the warranty.

** Does not cover superficial damage and damage resulting from improper use, intent, negligence, or force majeure.

Scope of delivery

The foot comes complete with two rechargeable batteries and a dual bay charger.

Software

Thanks to tablet-based software, orthopaedic technicians can customise the Empower for each individual user. The software and the tablet are delivered together with the first order.

Technical data

<table>
<thead>
<tr>
<th>Reference number</th>
<th>1A1-1</th>
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<tbody>
<tr>
<td>Suitable for</td>
<td>MG 3 + 4</td>
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<tr>
<td>Amputation level</td>
<td>TT, KD, TF</td>
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<tr>
<td>Maximum body weight</td>
<td>130 kg</td>
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<tr>
<td>Sizes</td>
<td>25 – 30 cm</td>
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<tr>
<td>Weight*</td>
<td>approx. 1,928 g (without footshell) approx. 2,200 g (with footshell)</td>
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<tr>
<td>Minimum clearance*</td>
<td>222 mm</td>
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<td>* Based on size 28</td>
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Components & Accessories

1A1-1= Empower  
2F41 Set of heel wedges  
2C14= Footshell incl. SL=Spectra Sock  
757B38 Battery  
757L38 Charger  
757L39 Power Supply  
BM-214-0000* EU/GB/US Power cord  
560X11=V2 Tuning Device  
647G1385 Instructions for use