

ottobock.

Restore your power.

With our mechatronic
prosthetic foot Empower

Quality for life

Information for users

The prosthetic foot with powered propulsion

The Empower prosthetic foot was especially 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.

Clinically proven benefits

- Emulates lost muscle function by actively supplying energy at toe off^{1,2}
- Lowering of the foot during rollover provides extra comfort when walking and increased stability when walking downhill on slopes³
- Reduces loading on the body joints due to increased support on the prosthetic side⁴

More than a foot.

A foundation.

1 Russell Esposito, E., Aldridge Whitehead, J. M. & Wilken, J. M. (2016). Step-to-step transition work during level and inclined walking using passive and powered ankle-foot prostheses. *Prosthetics and orthotics international*, 40(3), 311–319.

2 Herr, H. M. & Grabowski, A. M. (2012). Bionic ankle-foot prosthesis normalizes walking gait for persons with leg amputation. *Proceedings. Biological sciences*, 279(1728), 457–464.

3 Gates, D. H., Aldridge, J. M. & Wilken, J. M. (2013). Kinematic comparison of walking on uneven ground using powered and unpowered prostheses. *Clinical biomechanics* (Bristol, Avon), 28(4), 467–472.

4 Grabowski, A. M. & D'Andrea, S. (2013). Effects of a powered ankle-foot prosthesis on kinetic loading of the unaffected leg during level-ground walking. *Journal of neuroengineering and rehabilitation*, 10, 49.

Covering longer distances at higher speed



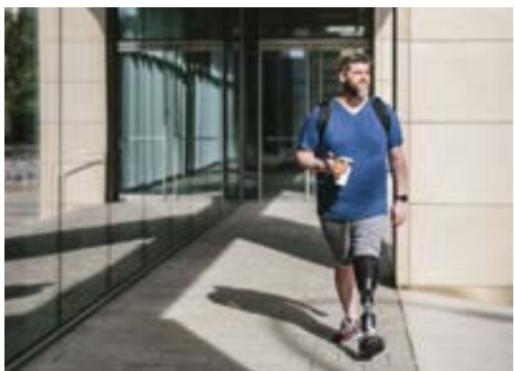
Coping with everyday life



Relief function for a more natural appearance



Reduced loading on the body joints



Increased stability when walking downhill on slopes



Empower

➡ for active users



“The Empower is just amazing. It feels so natural. I would like every amputee to be able to try it, to get the feeling for how walking with this prosthetic foot feels.”

Mattias

“Since I have the Empower now, I am able to do anything and everything I could do before my accident.”

Rob



And which power do you activate?

Follow us on social media and share your
#Empower #Ottobock experiences with us.

www.ottobock.com