

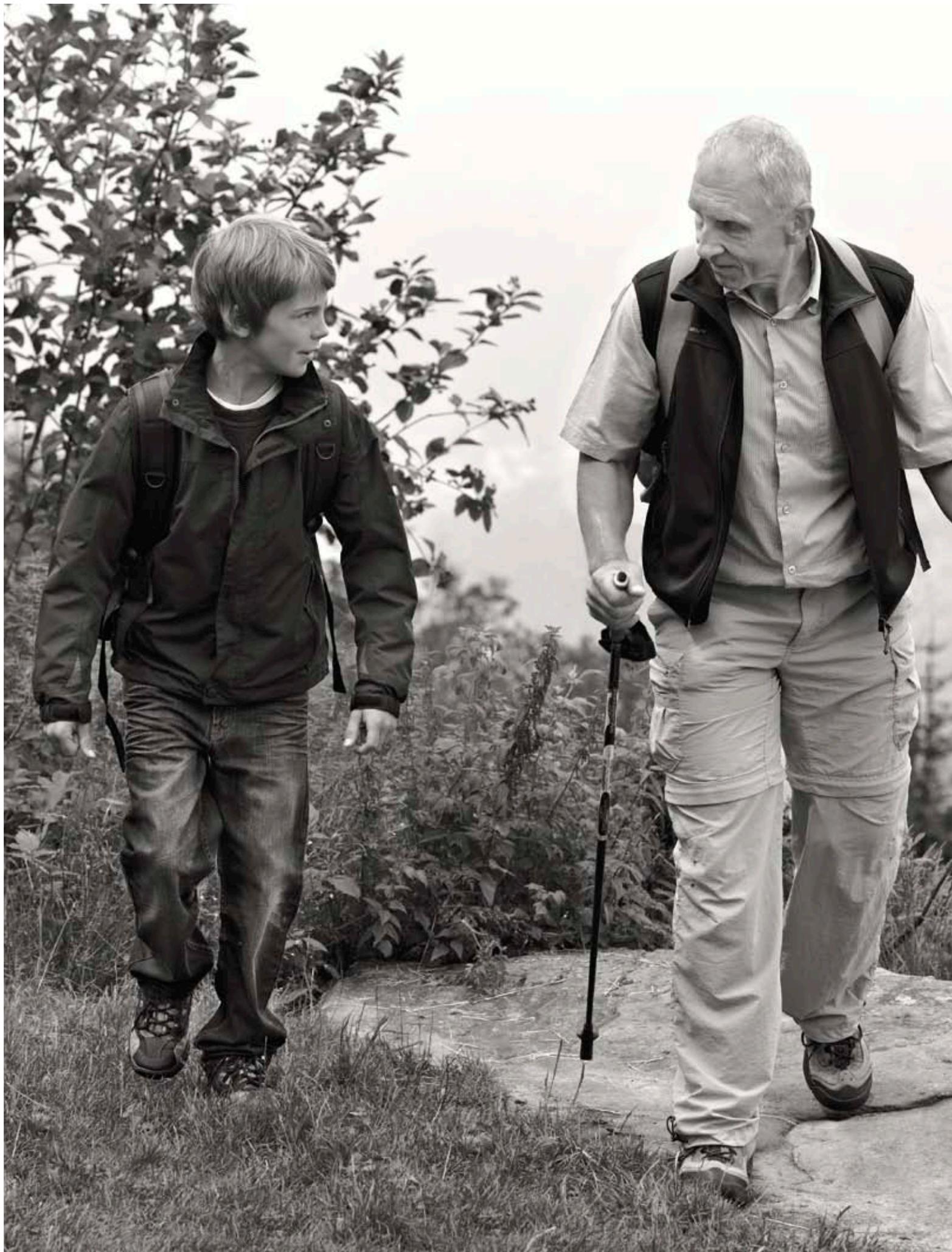
ottobock.

Quality for life

C-Leg.

Confidence in the Next Step.

Information for Users





Giving security – living with security

Making others feel safe is fundamental.
The C-Leg is proven as the world's safest microprocessor-
controlled leg prosthesis system. With optimized stumble
recovery, the C-Leg takes security a step further.

Peter E., mountain hiker

„No matter when and where:
Giving a child the feeling of being
protected, offering him support –
that is one of the most important
things of all for me.
It is for him, too, I believe.“



People and technology: a partnership

The right technology gets you ahead. Especially when it is individually adapted down to the smallest details. Because people come first. This is the case with the C-Leg: sophisticated technology only becomes truly valuable when it can adapt to individual mobility needs.

Peter E., mountain hiker

„Being able to fully trust my prosthetist is especially important to me. He knows what matters to me at work and in my everyday life, and he can adjust my C-Leg accordingly.”



The C-Leg – what's behind it?

Mobility was redefined around fifteen years ago with the introduction of C-Leg technology. Of course a lot has changed in that time. Numerous suggestions from users and prosthetists as well as many years of experience helped make a great product even better.

The microprocessor-controlled C-Leg leg prosthesis system is based on natural human movement patterns. Cutting-edge technology is at its heart: forces and speeds are measured 50 times per second, with simultaneous calculations to determine the correct response. And the microprocessor regulates joint damping just as often. Automatically and instantaneously.

The C-Leg offers numerous improvements and, with additional performance characteristics, creates a system for even greater mobility that allows users to explore new horizons. Already proven as the safest microprocessor-controlled knee joint in the world, the C-Leg features a sophisticated swing phase control and optimized stumble recovery. An additional activity mode enables cycling, for example. The maximum body weight is 136 kg (300 lbs).

Learn more at www.ottobock.com/c-leg

Technical details

Silicon cover

for charging system and adjustment software, special protective.

Electronic Control Unit

A modern microprocessor is the heart of the C-Leg system. It receives and processes the sensor signals and controls the movements of the knee joint in real time.

Optimized stumble recovery

Tube Adapter with Moment Sensor

From here, the microprocessor receives important information about the load on the prosthesis. This allows it to switch between the stance and swing phase reliably.

Wireless Remote Control

From here, the microprocessor receives important information about the load on the prosthesis. This allows it to switch between the stance and swing phase reliably.

Knee Angle Sensor

In real time, it supplies the microprocessor with important data on the speed and angle of the knee.

Lithium-Ionen-Akku

A lithium-ion battery provides the energy required to control the knee joint. It is located right in the rotation axis of the C-Leg. Depending on the activity level, the maximum operating time is 1 to 2 days.

Hydraulic Unit

The hydraulic cylinder is controlled by the microprocessor. It maintains the correct level of movement resistance during flexion and extension in the stance and swing phases.

Improved swing phase control

Additional activity mode (3rd mode)

Carbon Fiber Frame

Carbon fiber is a modern, high-quality material that is particularly strong and lightweight. The frame protects the electronics, hydraulics and battery, and gives the C-Leg its elegant shape.

Max. body weight: 136 kg (300 lbs)





Collecting experience – getting better

When you gain experience, you get better. No matter how good you already were. That applies to the way you live your life as well as to prosthetics. The ongoing improvements to the C-Leg are based on years of experience.

With its performance characteristics, it steps up to meet the needs of many users with regard to safety and mobility.

Jonathan S., bar owner

„At first it wasn't all that easy to get the place up and running. I had a lot to learn. But in the end I made my dream come true. Sure, sometimes it is hard work. But I'm doing my own thing. And that's what I love.“





A strong Combination: the C-Leg and the Triton family of products

Combining the C-Leg with the prosthetic feet of the Triton product family is a powerful solution, especially for high mobility needs. It offers excellent support for everyday activities and recreational sports – and can be adapted to the individual needs of the user quickly and easily.

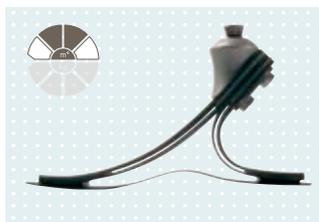
Prosthetic Feet

Step with confidence

The question of which prosthetic foot should be combined with the C-Leg can only be answered individually. Your prosthetist knows both you and the C-Leg. Ideal prerequisites, in other words, to provide you with detailed advice and to work with you to find the best solution. Four examples:

1C30 Trias

With double carbon fiber spring elements, this foot dampens heel impact and achieves an outstanding return of energy after roll-over. It comes very close to a natural human movement pattern. The 1C30 Trias is recommended for a body weight up to 125 kg (275 lbs) for people with a medium mobility grade.



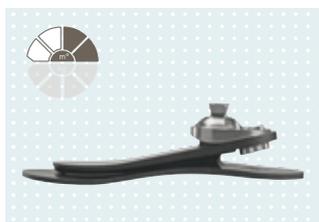
1C40 C-Walk

The interplay between the carbon fiber springs and the control ring supports dynamic movement patterns on even and uneven surfaces. Highly natural rollover behaviour helps prevent long-term problems. Approved for a body weight up to 100 kg (220 lbs).



1E56 Axtion

The design with high-quality carbon fiber and polyurethane materials even meets the expectations of highly mobile people. An integrated carbon fiber plate results in an optimum return of energy. A good solution for active people with a body weight up to 125 kg (275 lbs).



Triton

Family of products

The three linked carbon fiber spring elements and high-performance polymer permit an especially harmonious rollover. Notwithstanding the system's great flexibility, it achieves a consistently high level of stability. The Triton feet are suitable for a body weight up to 150 kg (330 lbs).



Advantages of the Triton:

- Interactive spring system for a smooth roll-over
- Side-specific forefoot shape for extending the effective foot length
- Split forefoot for stability and control on various surfaces
- Heel wedges allow individual adaptation to the user's needs
- Slim or normal footshells available, both with abducted big toe

Learn more about the Triton family of products at: www.yourlifeyouradventure.com





Displaying trust.

For the things that are truly important to us, we're willing to do more. For the people who mean something to us, we're willing to go the extra mile. Thanks to the sophisticated swing phase control a lot becomes possible with the C-Leg.

Lisa K., consultant

„Having enough energy for my professional and private life. And dedicating myself to something that is important to me. That counts for me.“

C-Leg Protector

Combining Aesthetics with Function

The 4X160 C-Leg Protector is more than just cosmetics: it is the state-of-the-art, high-tech solution for C-Leg and C-Leg compact wearers. The C-Leg Protector covers and protects the joints and tube adapters of the C-Leg product line. It also provides a natural shape for the calf region. The result: an attractive appearance that does not compromise functionality. Kneeling with the Protector is more comfortable since it significantly improves stability and slip resistance.

Start your protector design now

The C-Leg Protector combines design and safety in an attractive package. Now you can easily create artwork that fits into your C-Leg Protector, entirely free of charge. Simply select one of the existing designs or – for ultimate individuality – upload your own artwork.

www.ottobock.com/protector-design



The C-Leg mobility guarantee

We offer a three-year warranty on the C-Leg (knee joint, remote control, tube adapter, charger and power supply). All Ottobock sales companies honour this warranty. If desired, the warranty may also be extended to a maximum of five years at the time of purchase for an additional charge. During the period that your knee joint is being serviced, Ottobock provides you with a service knee joint at no charge through your prosthetist. So you are always mobile. Guaranteed.

Answers to frequently asked questions.

What are the advantages of the C-Leg?

The advantages of C-Leg technology have been investigated in detail in numerous scientific studies.* Among other things, these studies have proven that the frequency of falling is much lower with the C-Leg compared to other leg prosthesis systems. A C-Leg user also does not have to concentrate on the prosthesis all the time. This permits greater everyday freedom of movement. Last but not least, the studies show that C-Leg users have more confidence in their prosthesis, are able to increase their activity level and consume less energy while walking. This allows them to cover longer distances given a normal fitness level, while the time they use the prosthesis over the course of the day is extended. Various modes (e.g. for cycling, inline skating or cross-country skiing) can be activated quickly and inconspicuously using the wireless remote control. The swing phase control of the knee joint can be individually adapted to the needs of the user.

What is the difference between the C-Leg and the C-Leg compact?

The C-Leg compact expands the area of application for microprocessor-controlled lower limb prostheses. C-Leg technology is made available to people with nearly all mobility grades. The C-Leg compact was developed especially for less active users with particularly high safety requirements. An additional standing and locking function can be easily activated using the remote control.

Where can I get a C-Leg?

You can obtain the C-Leg from a prosthetic fitting facility. Certified prosthetic fitting facilities can be found on the internet under www.ottobock.com. A qualified prosthetist will advise you and adapt the prosthesis to your individual needs.

Can I just try out a C-Leg?

Many certified fitting facilities offer a trial fitting. Just ask your prosthetist. The trial fitting takes place over a predetermined period of time and is monitored by Ottobock when needed.

What else is included in a prosthetic fitting?

It includes all components from the foot to the knee joint system, including the socket, which is customized to your individual needs by your prosthetist. Of course the assembly and setup of the system are also included, as well as regular service inspections during the entire period you use the C-Leg.

What happens when the battery is drained?

Vibration messages provide a timely warning when the battery capacity goes down. When the battery is drained, the C-Leg automatically switches to an empty battery mode so that stance phase resistance remains activated.

How long does it take to learn how to use the C-Leg?

This will vary. Many users are able to walk down stairs step-over-step on the first day with the C-Leg. On the other hand, it can also take several days or weeks until using and walking with the leg prosthesis system has been internalized – depending on the fitness level and motivation of the user.

* See C-Leg study brochure 646B33=D.





Lending a hand

Quickly putting the groceries in the car before heading to the kindergarten...

From crates of bottles to young children, everything has weight. Here the new C-Leg allows you to do more, because it is approved for a total body weight of up to 136 kg (300 lbs).

Gerhard B., sport coach

„Every now and then you have to throw some weight around. That's part of life – so I need the extra flexibility.“



www.walking-with-prosthesis.com/c-leg



Gerhard B., 55, sports coach

"These are the moments that really touch me – and I'm so happy that I can just be part of them."

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