

ottobock.

C-Leg 4

Reclaim your determination



Quality for life

Reliable

A recognized leader

When you want dependability you can count on, turn to the C-Leg, with an unmatched, industry-leading track record.

The C-Leg prosthetic knee lets your patients live more actively and independently, reclaiming the things that make life fuller and more fulfilling.



1997

The C-Leg sets a new standard as the world's first completely microprocessor-controlled prosthetic knee



2006

Additional features such as the remote control and updated software complement new color choices



2011

Ongoing product development delivers measurable results like optimized stumble recovery and improved swing phase

Ottobock's C-Leg® prosthetic knee is worn by more people worldwide than any other prosthetic knee. People rely on the C-Leg to help them reclaim their determination and live the life they desire.

In 1997, the C-Leg began to set a new standard with its unique ability to deliver safety and freedom of movement, backed by studies documenting dramatically improved outcomes.

More than 60,000
fittings since 1997

Groundbreaking technology

Every iteration of the C-Leg continually improves on the control strategies that enable real time adaptation to the wearer's gait, changes in surface, or speed, even when traversing unstable ground, stairs, or ramps. Thanks to the speed at which stance phase resistance is adjusted, people who wear the C-Leg experience a reduction in falls and stumbles*, making it easier to navigate crowds and avoid slips on unstable surfaces like sand, grass, or gravel. Most critically, more than 40 studies have shown the effectiveness of the C-Leg prosthetic system, proving outcomes that improve daily life*.

More than 40 studies verify the benefits that personal stories illustrate*:

- significantly reduced falls
- more active in a broader area
- fewer distractions, since more stability means attention isn't focused on avoiding obstacles
- enhanced confidence in the prosthesis

Ultimately, these results indicate that improving stability improves health outcomes as well as quality of life.

The C-Leg 4 continues its evolution: new features and expanded function equal less worry for patients and clinicians alike.

2015



* International C-Leg Studies, published by Otto Bock HealthCare GmbH, 3rd Edition, 2014, 646B33=GB-05-1403

More advanced functions, More patient benefits

C-Leg 4 offers all the benefits of previous iterations, with a focus on making it simpler to fit and even easier to use.



more advanced
stable
more dynamic
easier

New patented function, more stability, more activity

Our goals are always to reduce the effort the patient needs to manage their prosthesis, to improve function, and to make the knee easier to fit. The C-Leg 4 prosthetic knee delivers in all areas, including:

- increasing function
- eliminating fixed service intervals
- jettisoning the need for a special pylon
- simplifying the fitting process

We've added a user-friendly smartphone app that gives patients more choice, reduced the system height by 1.7 inches / 4.3 cm, tested for water exposure and received an IP67 rating, and added a new activity report feature.

One of the many improvements that make C-Leg 4 uniquely easier to use is a patented Inertial Motion Unit control feature that improves the transition to swing phase and makes walking backwards safely possible. By refining C-Leg 4 function, changing walking speeds are controlled efficiently and effectively, even when steps are small or surfaces are challenging.



more dynamic
more advanced easier
stable



more dynamic stable
easier more advanced

Real-time swing phase control fueled by 3D motion analysis

Since motion occurs in three dimensions, the C-Leg 4 utilizes multiple data sources to ensure swing phase resistance is precisely what it needs to be at every moment of every step. As a result, C-Leg 4 lets your patient easily navigate ramps, stairs, and nearly every type of challenging surface.

3D motion analysis also supports patients when walking backwards. Because the knee knows where it is in space at all times and the minimum forefoot load has been eliminated, it will not flex as a patient steps backwards.

Strengthened stance and stumble recovery support

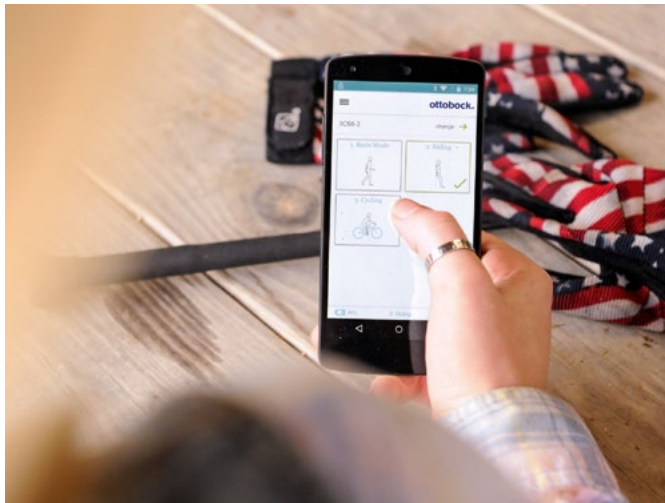
Your patients now have the ability to choose between the familiar C-Leg stance function or Intuitive Stance which recognizes when they have stopped and dampens the knee in a slightly flexed position to provide maximum stability and comfort on uneven surfaces, ramps, and slopes.

Stance extension damping is more sophisticated, adjusting and readjusting with every step in real time.

Avoiding falls: the only proven choice*

We know that maintaining your patient's stability at every level of activity is your first priority. C-Leg 4 takes stability to a new level by actively controlling and adjusting swing flexion resistance while the knee is in motion. This ensures that the proper amount of resistance is in place to enable recovery in the event of a stumble.

* International C-Leg Studies, published by Otto Bock HealthCare GmbH, 3rd Edition, 2014, 646B33=GB-05-1403



more advanced
more dynamic
easier
stable



Clinical improvements: C-Soft Plus activity report

Being able to assess your patient's activity is an important part of managing and documenting your patient's progress towards their rehabilitation goals.

The activity report is integrated into the new C-Soft Plus software, providing a range of information at a glance for easy evaluation.

The report includes:

- Average number of steps per day
- Average walking speed
- Number of steps on slopes, ramps, and stairs
- Time totals for walking, sitting, standing, and use of MyModes
- Information to reflect negotiating low-level environmental barriers and use of stance phase flexion

Training and support

- Visit the Ottobock site for online training, clinical support, and reimbursement references. www.ottobockus.com

Adapting automatically to every step

With C-Leg 4, the knee is ready for your patient's next move. Enhanced stumble recovery, improvements in stance and swing phase control, and the addition of Intuitive Stance offers more support for activities of daily life.

More clearance, more choice

A new, naturally-shaped frame design has reduced the system height, letting people with less clearance benefit from the stability and smooth function of the C-Leg 4. Ottobock's recommended foot choices offer a range of clearance and function as well.

Wet or dry

Everyday life occasionally gets a little damp. The weatherproof C-Leg 4 can handle it, whether your patient runs into a rainstorm or gets splashed while watering the garden.

MyModes

C-Leg 4 helps people master everyday life more confidently. With two additional MyModes, the knee can be adjusted to meet an individual's specific requirements for unique activities such as biking, dancing, or golfing.

Smart control

For the first time, patients can quickly switch between MyModes and monitor battery life using the new Cockpit app for Android. The optional remote control also supports this functionality. Both options use integrated Bluetooth® technology.

Be seated

The new sitting function automatically switches C-Leg 4 to free-swing when the individual sits down, resulting in a relaxed position and activation of a battery save mode.

Technical specifications

Article number	3C98-3	3C88-3	3C98-3=9.2	3C88-3=9.2
Color	Volcano shadow		Desert pearl	
Proximal connection	Pyramid adapter	Screw-top connector	Pyramid adapter	Screw-top connector
Distal connection	Tube clamp			
Weight (without tube adapter)	1235g	1240g	1235g	1240g
Prox. system height up to alignment reference point	5 mm	23 mm	5 mm	23 mm
Minimum distal system height				
with 2R57 tube adapter			289 mm	
with 2R67 tube adapter (torsion unit)			329 mm	
Maximum distal system height				
with 2R57 tube adapter			494 mm	
with 2R67 tube adapter (torsion unit)			534 mm	
Knee flexion angle	130° without flexion stop ¹			
Frame material	Carbon			
Moisture protection	Weatherproof (IP67)			
Mobility grade	2, 3, 4			
Max. body weight	136 kg / 300 lbs			

¹ Flexion stop reduces the knee flexion angle by 8°.



Tube adapter

Article no.	2R57	2R67 (torsion unit)
Weight	220 g	520 g
Material	Aluminium/titanium	Aluminium/steel
Moisture protection	–	–
Max. body weight	136 kg / 300 lbs	125 kg / 225 lbs

Protect your patient investment

The C-Leg 4 Protective Cover safeguards the system against jolts, the environment, and normal wear and tear. A redesigned contoured shape mimics natural leg volume and can be shortened.



The C-Leg 4 Protective Cover, which consists of a frame, a shield insert, and a foot cuff, delivers both practical protection and attractive cosmesis. The knee section is anatomically designed for easy kneeling and with a smooth surface to easily slip under clothing. Your patient can further customize their limb by choosing from three shield insert designs.

Order example

The frame and shield insert are ordered separately, with the following article numbers.

1. 4X860= C-Leg Protective Cover (without shield)
Includes the main protector component and 4P880= foot cuff in size S, M or L
2. 4P863= Shield Insert (with choice of pattern)

Prosthetic foot recommendations

Important note: Generally the C-Leg Protective Cover can be used for a Knee-axis-to-Floor-distance from 430 mm to 560 mm (from 470 mm to 560 mm with 1C61 Triton Vertical Shock). The foot cuff included with the Protective Cover is not compatible with slim footshells.

Prosthetic foot		Foot cuff		
Description	Reference number	S	M	L
Triton	1C60	24–25	26–28	29–30
Triton Vertical Shock	1C61	24–25	26–28	29–30
Triton Low Profile	1C63	24–25	26–28	29–30
Triton Heavy Duty	1C64	24–25	26–28	29–30
Trias	1C30	24–25	26–28	29–30
C-Walk	1C40	24–25	26–28	29–30
Dynamic Motion	1D35	24–25	26–28	29–30
Adjust	1M10	24–25	26–28	29–30
Axtion	1E56	24–25	26–28	29–31
Lo Rider	1E57	24–25	26–28	29–31

4P863=1

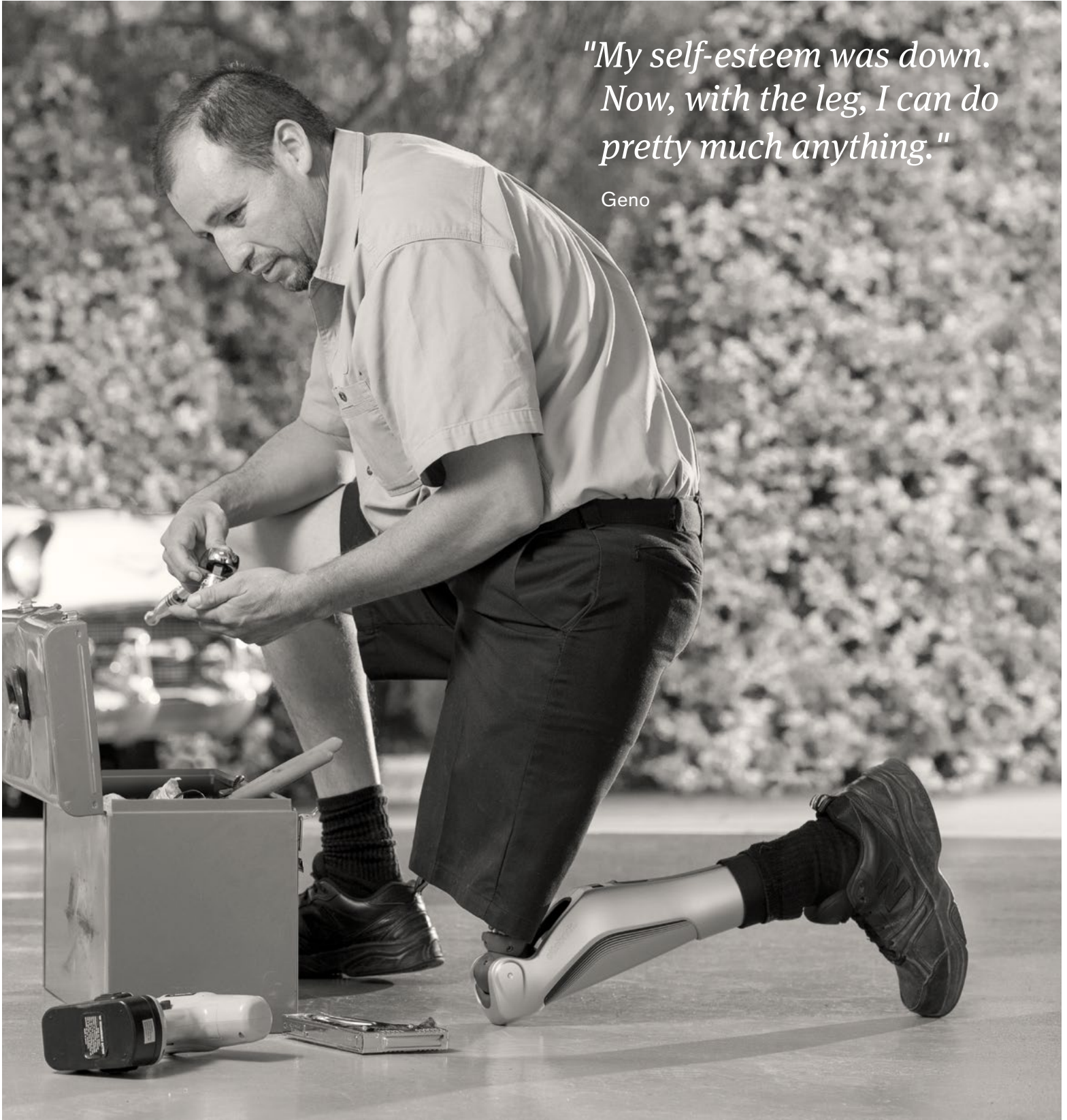
4P863=2

4P863=3

- The shield insert is available in three different designs.

*"My self-esteem was down.
Now, with the leg, I can do
pretty much anything."*

Geno



System overview

Reference the information on these pages to easily select the components you need to complete your C-Leg 4 system.

🔴 **Important note:** Carefully check the weight limits for compatible components. This is especially critical when selecting from the Triton foot series (1C60-64) as shown below.

Body weight	Tube adapter	approved foot size (cm)
≤ 100 kg (≤ 220 lbs)	2R57, 2R67	21 to 30
101 kg – 125 kg (221 lbs – 275 lbs)	2R57, 2R67	21 to 28
126 kg – 136 kg (276 lbs – 300 lbs)	2R57	21 to 26



Only C-Leg 4 is weatherproof (IP67 rated).

Warranty and service

The C-Leg 4 comes with a standard 3-year (36 month) warranty. If required, the warranty includes a complimentary condition-based service inspection within the 3-year term. Fixed service inspections are no longer required with the C-Leg 4.

Repairs

During the warranty period, repair costs are covered except for those associated with damages resulting from improper use, i.e. any use that contravenes the provisions contained in the instructions for use.

Extended Warranty

The initial 3-year warranty can be extended to a 6-year warranty. The extension must be purchased before the end of the 30th month following the date of delivery.

Adapters



4R104=60
4R104=75



4R57
4R57=ST



4R41
4R43
4R89



4R111=N
4R111
4R116



4R119



4R40



4R118



4R72=30
4R72=45
4R72=60
4R72=75



4R75=D-70



4R76



4R78

C-Leg 4 knee joint

with pyramid adapter



3C98-3=9.2

3C98-3

with screw-top connector



3C88-3=9.2

3C88-3

C-Leg 4 Protective Cover



4X860=S/M/L

Shield Insert



=1



=2



=3

4P863=*

Foot Cuff



4P880=*

Battery charger/ power supply



757L16-2



4E50-2

BionicLink PC/C-Soft Plus



C-Soft Plus
4X440



BionicLink PC 60X5

Tube adapter



2R57



2R67

Prosthetic feet



1C10 Terion



1D35 Dynamic Motion



1C30 Trias



1C40 C-Walk



1E56 Axtion



1E57 Lo Rider



1C60 Triton



1C61 Triton vertical shock



1C62 Triton Harmony



1C63 Triton LP



1C64 Triton HD

Tools



Ottobock Cockpit App



Bluetooth PIN Card



4H105 Knee Extender

Information



647G890

IFU (qualified personnel)



646D790

IFU (user)

