

ottobock.

# The C-Leg 4 update. Choose proven performance.

With over 100,000 fittings to date, the C-Leg is trusted by more users than any other microprocessor knee in the world. Studies show the C-Leg provides the exceptional reliability and performance users need to focus on what really matters — enjoying a healthy, active lifestyle<sup>1</sup>. The legacy lives on with the newest C-Leg 4 update.

## For users

- New** ● IP68 rating! C-Leg is now even more durable than before and safe for occasional submersion up to 3 meters for 1 hour\*
- New** ● Manual locking function to conveniently secure the knee in extension via a simple tapping pattern.
  - Supported descent on ramps and stairs
  - Improved stance release with short or quick steps
  - Stumble recovery Plus active at all times
  - Increased support for sitting down
  - Training function for stance release exercises
  - Choice between intuitive and deliberate stance
  - More options for special activities with MyMode Plus
  - Deep sleep mode to save battery
  - Redesigned charger allowing one-handed operation
  - Customizable shield insert
  - Safe backward walking
  - Reliable swing and stance phase control
  - User customized functions via the *Cockpit App* for Apple iOS and Android

## For professionals

- New** ● Programming via the *connectgo.pro* app. Compatible with both Apple (iOS) and Android devices. C-Soft Plus still available as a PC based option (dongle required)
  - Training function for ensuring consistent stance release
  - Delivered in Safety Mode until patient-specific data is entered - A recommendation is then provided
  - Standard 34mm, easily shortened tube adapters
  - Access usage statistics to see progress at each appointment
  - Can be connected to an osseointegrated, percutaneous implant system\*\*

<sup>1</sup> Wismer, N., Mileusnic, M., Sreckovic, I., & Hahn, A. (2016). First results on next generation C-Leg. Poster presentation at OTWorld, Leipzig, Germany

\* Electronics are protected from dust, sand, dirt and occasional submersion in fresh water (up to 3m for 1hr). Mechanical components are not corrosion resistant.

\*\* Verify that the manufacturer of the implant system and the manufacturers of the corresponding exoprosthetic components/adapters also permit this combination.



# The C-Leg 4 update.

## Choose proven performance.

- 1 Integrated Bluetooth® technology**  
Enables direct communication with the knee for programming by the prosthetist and patient access via the Cockpit App
- 2 Lithium-ion battery**  
Located directly in the rotation axis – should be charged overnight when used on a daily basis
- 3 Inertial motion unit (IMU)**  
Gyroscope and accelerometers track spatial positioning and acceleration, enabling control based on motion analysis and additional force determination
- 4 Carbon frame design**  
Strong, high-grade, and lightweight to provide structural strength for the entire knee joint as well as protect the electronics, hydraulics, and battery during everyday activities
- 5 IP68 Rating (Ingress Protection)**  
Electronics are protected from fresh water up to 3m for 1 hour. Not corrosion resistant
- 6 Knee angle sensor**  
Measures flexion angle and angular velocity
- 7 Integrated microprocessor electronics**  
Coordinates all measurement and control processes
- 8 Hydraulic unit**  
Generates motion resistance for flexion and extension during the stance and swing phase
- 9 Charging receptacle**  
Easily accessed at the back of the joint and protected by a cover



max. 136 kg

### Technical data

|                                      |  |
|--------------------------------------|--|
| <b>Mobility grade</b>                | 2 – 4  |
| <b>Max. body weight</b>              | 136 kg (300 lbs)                                   |
| <b>Knee flexion angle</b>            | 130° without flexion stop <sup>1</sup>             |
| <b>Weight (without tube adapter)</b> | 1.250 g (pyramid)<br>1.255 g (threaded connector)  |
| <b>Frame material</b>                | Carbon   |
| <b>Moisture protection</b>           | Water-resistant (IP68),<br>not corrosion-resistant |
| <b>Available colors</b>              | Midnight shadow, desert pearl                      |
| <b>Tube adapter</b>                  | 2R57, 2R67   |

<sup>1</sup>The flexion stop reduces the knee flexion angle by 8° (pre-assembled) or 16°.

### Prosthesis solution



6Y110 Skeo Sealing TF/  
6Y111 Skeo Sealing 3D TF  
7T450=1 SiOCX Socket  
21Y21 ClickValve



1B1-2 Meridium  
1C63 Triton Low Profile  
1C70 Evanto  
1C50 Taleo  
1C53 Taleo Low Profile

1C56 Taleo Adjust  
1C58 Taleo Side Flex  
F22 Maverick Comfort AT

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