

Quick Guide #1 Getting Started with the C-Leg®

A: Ordering a C-Leg from Otto Bock

1. Select a C-Leg

There are two models of the C-Leg: 3C98 and 3C88. They are identical except the proximal connection. The 3C98 has a pyramid proximally and the 3C88 has a threaded connection proximally that threads into a 3-prong lamination anchor. The 3C88 saves about 11mm of build height between the knee center and the socket.

2. Select a foot

Select the proper size and side for the foot to be used with the C-Leg. There are eight Otto - Bock feet available for use with the C-Leg:

- 1E44 – Journey
- 1E56 – Axtion®
- 1C40 – C-Walk®
- 1C31–Trias⁺
- 1D35 – Dynamic Motion
- 1A30 – Greissinger Plus
- 1D10 – Dynamic
- 1E57 – Lo Rider™

Use of any other foot will void the warranty of the C-Leg

3. Select the correct size pylon

There are 5 pylon lengths for the C-Leg. The proper length pylon can be obtained by consulting the C-Leg “wheel”. Determine the patient’s Knee Center to floor in mm. Reference the chart on the C-Leg wheel to determine foot height. Slide the appropriate arrows on the wheel to the proper positions according to the KC to floor and foot height. The windows on either side of the wheel show the appropriate color-coded pylon to use. For ordering, use the part number (e.g. 2R80=160) listed below the color-coded pylon.



receiver at the bottom of the C-Leg. The plug will “click” into place. Insert the pylon into the C-Leg with the grid facing to the anterior. Make sure that the pylon cable does not get “pinched”. Adjust the length by telescoping the pylon in and out to the necessary height. Alternately tighten the two tube clamp screws to 7Nm. **DO NOT CUT THE PYLON!**

5. Perform static alignment for the prosthesis

Follow the alignment recommendations of the manufacturer (see the C-Leg manual) to assemble the prosthesis statically. There is no need to overly stabilize the C-Leg alignment. The stability and reliability of the microprocessor stance control greatly reduces the need for alignment stability.

6. Wake the C-Leg up

Every C-Leg from Otto Bock is “asleep” (no charge is being drawn by the microprocessor and other electronic components) and needs to be “woken up”. To do this, assemble the charger and plug it into the wall. Next, plug the charger into the C-Leg and wait for it to vibrate. After it has vibrated, unplug the charger from the C-Leg and the C-Leg will beep. After the beep, the C-Leg is ready to be used.

7. Access the C-Soft program

Boot up the computer with either the Bluetooth dongle or programming cable plugged into the computer. Connect the cable to the C-Leg or connect through Bluetooth using the My Bluetooth Places program. Start the Otto Bock Data Station. Right click on the patient’s name and then left click on “Start C-Soft for...”. Enter the user name and password and click “ok”. Click on either the “RS232/USB” or “Bluetooth” tab depending on the connection type and either use the “Autoconnect” or “Chose port” option. The C-Leg will beep and vibrate as the computer and knee joint begin communication.

8. Zero Setting for Sensor Calibration

The sensors of the C-Leg need to be calibrated to a zero state. Clicking the “Zero Setting” button on the C-Soft screen when the knee is in full extension and there is no weight on the prosthesis does this. After clicking on the Zero Setting button, there should be *green check marks* over the Knee and Toe and Heel Loading boxes on the C-Soft screen. Whenever the pylon cable is disconnected from the C-Leg, the C-Leg needs to be reset using the “Zero Setting” button.

B: Setup in the lab

4. Plug the pylon into the C-Leg

Insert the slotted plug of the pylon cable into the

Further information on adjusting the C-Leg can be found on the Quick Guide #2 C-LEG Adjustments Overview.