

# Experience life in a new way with the C-Brace®

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## Intelligent knee-ankle-foot orthosis (KAFO) increases mobility

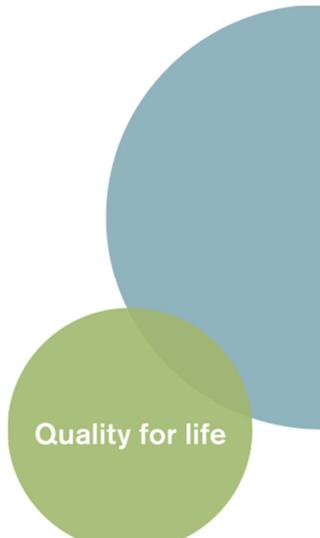
For many patients with neurological indications of the lower limbs, walking without having to concentrate on every step--and activities such as bike riding--are unimaginable. With the C-Brace®, Ottobock opens up entirely new possibilities in neuro-orthopaedics. The electronic orthosis system supports the user throughout the entire gait cycle and improves mobility and safety in everyday activities.

Because mobility needs vary from patient to patient, Ottobock has developed a customised orthosis system. Unlike conventional orthoses, the C-Brace® reacts intelligently to the entire movement sequence. The unique combination of sensor technology and an integrated microprocessor makes it possible to control hydraulic stance and swing phase in real time. As a result, the system supports the user throughout their walking pattern.

### **Experience the world around you**

The intuitive function of the C-Brace® improves the user's mobility and safety. The orthosis system adapts to many routine movements in a natural, physiological way, including: changing walking speeds, handling sudden obstacles, descending stairs and ramps step over step, walking on uneven ground and even bearing weight with a flexed knee when sitting down. In addition, customised setting options are available that the user can employ as the situation requires.

In addition to this newly gained freedom, users benefit from another long-term effect – the C-Brace® promotes natural posture and can prevent or reduce excessive unilateral physiological stress and the ensuing damage. The quality of the individual components ensures greater wearer comfort. In order to meet the demands in everyday activities, the materials are lightweight, flexible and very sturdy. Power is supplied by a long-life lithium ion battery. Orthopaedic technicians must be certified



Quality for life

to ensure a good fitting standard.

**For further information:**

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