Advanced Lower Limb Orthotic Treatment Options

ottobock. care

Monolithic

A strong, lightweight, and low-profile design that utilizes energy-returning carbon fiber to provide enhanced stability and enable patients to walk at faster speeds

Common indications

- Calf muscle weakness
- Mild knee hyperextension
- Rotational deformities
- Upper/lower motor neuron injuries

Modular

A dynamic response AFO with post-fabrication stiffness and alignment adjustability with carbon graphite or 3D printed foot and ankle shells

Common indications and conditions

- Calf muscle weakness
- Moderate to high-activity use
- Tri-planar deformities
- Minor expected changes in range of motion and/or muscle strength

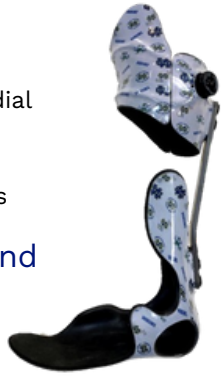
Multifunction

Carbon fiber frame incorporating an ankle joint that allows post-fabrication stiffness and alignment adjustability

Common indications

- Significant expected changes in range of motion and/or strength
- Calf muscle weakness
- Mild to moderate tri-planar deformity
- Uneven terrain
- Plantar Flexion contractures

Off-loading



The combination of a modular dynamic response spring, BOA dial closure system, and optimized anatomical alignment provides relief for painful feet and ankles

Common indications and conditions

- End-range dorsiflexion pain
- Post-surgical pain
- Imminent ankle fusion
- Foot and/or ankle fractures
- End-stage PTTD

C-Brace

Mechatronic stance and swing phase control knee ankle foot orthosis for patients requiring enhanced control of the knee

Common indications

- Quadriceps weakness
- Sagittal plane knee instability

Functional Requirements

- Independent torso stability
- Controlled swing-through of affected leg
- Minimal spasticity