

# The WalkOn Range

Dynamic Lower Leg Orthoses



Quality for life

# One Range

## Many Different Applications

The WalkOn product range allows you to address the specific needs of each patient. A variety of conditions and degrees of paralysis in the lower limb can be treated. The primary feature of the WalkOn orthoses is that they are dynamic – a particular benefit for patients with permanent dorsiflexor weakness.

The whole range is made of carbon fibre prepreg materials. The energy-return properties of the composite material effectively support a physiological gait – even when and where walking speeds and loads are varied. Each orthosis in the range is constructed with a dorsal pylon or spring and a medial strut in the longitudinal arch, which support foot lift and limit plantar flexion. The elongated frontal element of the WalkOn Reaction supports users in the frontal and sagittal plane. This provides effective support, especially for

patients with additional plantar flexor weakness. Additional options further expand the indication of the product range.

The ergonomic design of the WalkOn orthoses means they are discreet and inconspicuous to wear. The pads – the only ones in the world made of temperature-regulating material "Outlast" – ensure high wearer comfort. The pads are also washable and have good hygiene properties.

# The orthoses are easy to fit

## Sole and Pronation Strap

Thanks to its ergonomic design, adapted to the body's anatomy, the WalkOn product range is particularly lightweight and comfortable to wear. For an optimal fit, in most cases the soles can be trimmed to size using ordinary scissors. A lateral pronation strap can also be used.



### Soles easily trimmed to size

**1** Before adjusting the sole, place the orthosis on the patient's foot. This allows you to determine the correct distance of the longitudinal arch from the posterior edge of the heel. If the patient is wearing shoes with a removable insole, you can use this as a pattern for trimming the orthosis. Ensure that the sole is correctly positioned as described above so movement of the patient's Achilles tendon is not restricted by the orthosis.



**2** Trim the sole of the orthosis as marked. Do not reduce the lateral edge more than is necessary. This is to avoid pressing the medial section of the spring against the medial edge of the foot and inner ankle. Make reductions from both sides only if you determine that the sole should be narrower.

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More details on how to fit the WalkOn Reaction can be found in the Instructions For Use enclosed with the product.

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### Lateral pronation strap provides further support

The 28Z10 lateral pronation strap offers an additional option to provide the orthoses with further support. It is included with the WalkOn Reaction and can be ordered in addition to supplement the other orthoses. The principle of the lateral pronation strap is well understood and is still widely used today in the classic Valens shoe and splint. However, unlike this conventional method, the 28Z10 lateral pronation strap is not attached to the shoe, but is instead worn inside it. This allows the patient to change their shoes at any time.

# WalkOn Flex

## Art.-No. 28U22

**The WalkOn Flex lifts the foot and makes possible a relatively high level of mobility.**

### Indication

The orthosis can be used for dorsiflexor weakness with mild spasticity, for example following a stroke or traumatic brain injury, for multiple sclerosis, neuromuscular atrophy or isolated peroneal paralysis. It is particularly recommended in cases where dorsiflexion capacity decreases following sustained activity (muscle fatigue). The WalkOn Flex is suitable for indoor and outdoor use for patients who have a stable ankle joint and no impairment of motor control of the knee. The spiral design allows a certain degree of movement in pronation and supination and natural torsion at heel strike.

### Effects

- Makes possible a largely symmetrical and fluid physiological gait with natural heel strike and controlled rollover in the heel and forefoot area
- Energy return supports foot movement in the early swing phase and reduces compensatory movements such as hip hike
- Supports dorsiflexion (ground clearance)
- Prevents uncontrolled foot contact and foot slap in the early stance phase
- Promotes external rotation of the foot at heel strike



### Benefits

- Physiological rollover
- Proven high durability
- Glass/carbon fibre composite for high flexibility
- Allows forefoot loading for climbing stairs and squatting
- High wearer comfort due to low weight and open heel
- Calf strap made of temperature-regulating padding (Outlast) for improved skin hygiene and wearer comfort
- Slim, discreet design
- Easy to don and doff
- Sole can be trimmed to size
- Optional 28Z10 lateral pronation strap

# WalkOn Trimable

## Art.-No. 28U23

**The WalkOn Trimable lifts the foot and also stabilises the ankle and knee joint.**

### Indication

The orthosis can be used for dorsiflexor weakness with mild to moderate spasticity, for example following a stroke or traumatic brain injury, for multiple sclerosis, neuromuscular atrophy or isolated peroneal paralysis. The WalkOn Trimable is suitable for indoor and outdoor use for patients with no or only mild impairment of motor control of the knee. Its design also allows for some instability of the knee joint. Axis deviation in the ankle joint can be accommodated by using an appropriate insole.

### Effects

- Makes possible a largely symmetrical and fluid physiological gait with natural heel strike and controlled rollover in the heel and forefoot area
- Energy return supports foot movement in the early swing phase and reduces compensatory movements such as hip hike
- Supports dorsiflexion (ground clearance)
- Prevents uncontrolled foot contact and foot slap in the early stance phase, while providing some support for knee flexion
- Limits plantar flexion and supination when worn with a sturdy shoe



### Benefits

- Proven high durability
- Carbon fibre prepreg material for moderate energy return
- Allows forefoot loading for climbing stairs and squatting
- High wearer comfort due to low weight and open heel
- Calf strap made of temperature-regulating padding (Outlast) for improved skin hygiene and wearer comfort
- Slim, discreet design
- Easy to don and doff
- Sole can be trimmed to size
- Optional 28Z10 lateral pronation strap

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**28U11 WalkOn – same indication and mode of action but without a trimmable sole**

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# WalkOn Reaction

## Art.-No. 28U24

**The WalkOn Reaction facilitates dorsiflexion and the use of ground reaction forces to influence the knee and ankle joint.**

### Indication

The WalkOn Reaction supports patients with dorsiflexor weakness with no or slight-to-moderate spasticity. It can also be used for slight impairment of the plantar flexion muscles, for foot deformities that can be corrected with insoles and a lateral support element and for slight impairment of knee extension, for example constant fatigue of the knee extensors during long periods of standing or walking. The indication frequently occurs after a stroke, traumatic brain injury, multiple sclerosis, neuromuscular atrophy or peroneal paralysis.

The WalkOn Reaction is suitable for indoor and outdoor use for patients with a high level of activity, who need support for knee extension or flexion in the mid-stance phase and during toe-off or heel strike. The frontal support element allows it to effectively influence the knee with the help of ground reaction forces. The support element is noticeably longer than in the other WalkOn orthoses, making it possible to exert greater influence on deviations of the frontal axes in the knee and ankle joint.

### Effects

- Promotes a largely symmetrical and fluid physiological gait with, depending on what is needed, support for knee extension and flexion
- Its energy return supports toe-off and heel strike, thus reducing compensatory movements such as hip hike
- Supports dorsiflexion (ground clearance)
- Prevents uncontrolled foot contact and foot slap at heel strike and supports knee extension during toe-off
- When standing, the alignment of the orthosis influences the statics in the frontal and sagittal plane
- In conjunction with the lateral pronation strap, it is possible to reduce varus deviation of the foot and ankle and supination of the forefoot. This should always be supported by a corrective insole



### Benefits

- Highly dynamic properties (use of ground reaction force)
- Proven high durability
- Carbon fibre prepreg material for high energy return
- Shin pad made of temperature-regulating padding (Outlast) for improved skin hygiene and wearer comfort
- High wearer comfort due to low weight and open heel and the anatomically designed frontal support element
- Pads and closures are combined: in other words, all fabric parts can be washed and replaced
- Slim, discreet design (no orthosis in the lateral area of the ankle)
- Asymmetrical design promoted easy, intuitive handling
- Sole can be trimmed to size
- 28Z10 lateral pronation strap for correcting instability in the foot and ankle area

# Technical Informations

WalkOn | [Art.-No. 28U11](#)

WalkOn Flex | [Art.-No. 28U22](#)

WalkOn Trimable | [Art.-No. 28U23](#)

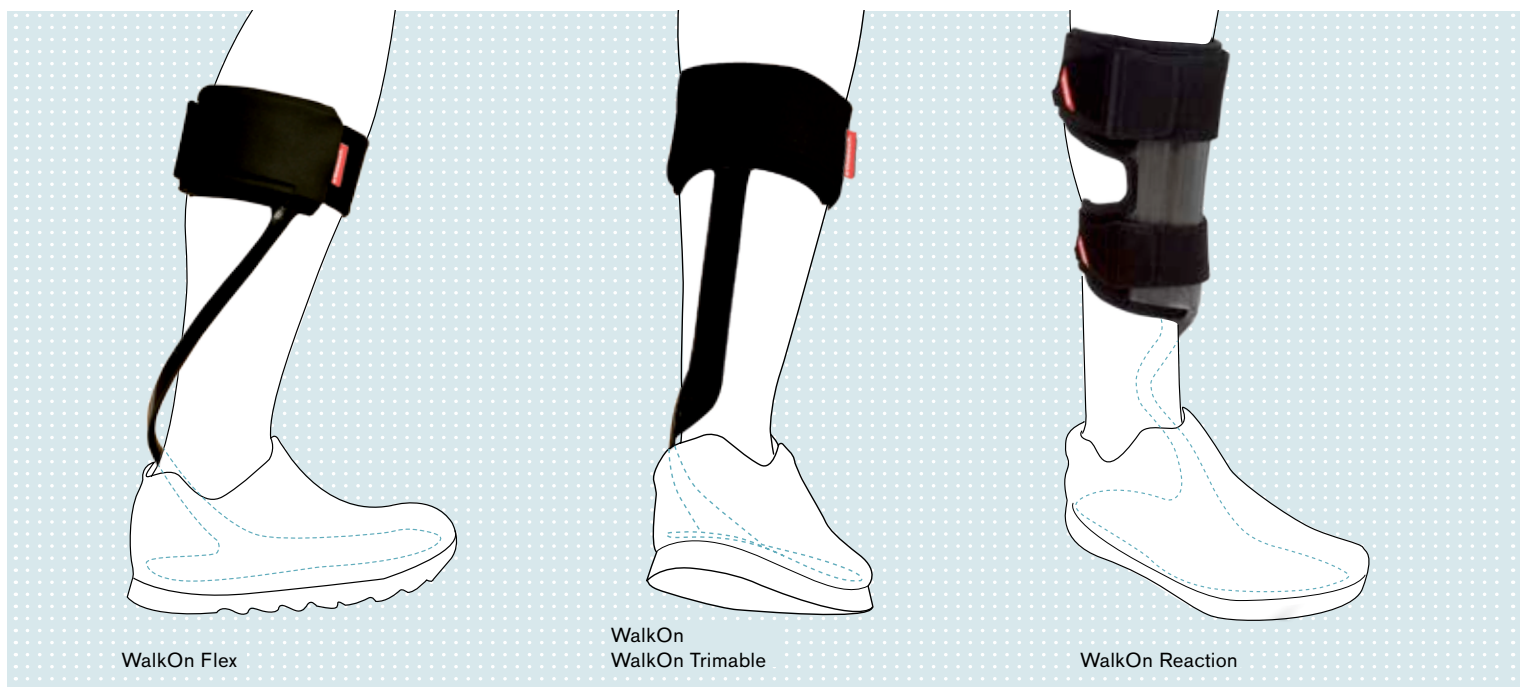
WalkOn Reaction | [Art.-No. 28U24](#)

## Size

Article No.	Side	Shoe size
28U11		
28U22 =L36-39	links	L 36 – 39
28U23		
28U24		
.....		
28U11		
28U22 =R36-39	rechts	R 36 – 39
28U23		
28U24		
.....		
28U11		
28U22 =L39-42	links	L 39 – 42
28U23		
28U24		
.....		
28U11		
28U22 =R39-42	rechts	R 39 – 42
28U23		
28U24		

Article No.	Side	Shoe size
28U11		
28U22 =L42-45	links	L 42 – 45
28U23		
28U24		
.....		
28U11		
28U22 =R42-45	rechts	R 42 – 45
28U23		
28U24		
.....		
28U11		
28U22 =L45-48	links	L 45 – 48
28U23		
28U24		
.....		
28U11		
28U22 =R45-48	rechts	R 45 – 48
28U23		
28U24		

ordering example 28U11=L42-45



Otto Bock HealthCare GmbH  
Max-Näder-Straße 15 · 37115 Duderstadt/Germany  
T +49 5527 848-1706 · F +49 5527 72330  
export@ottobock.de · www.ottobock.com