



ottobock.

# Pure Sport.

Exercise in fresh air provides the perfect balance for the dynamics of life that nothing can replace. Improve strength and mobility and enhance your overall wellbeing. Only when you feel good can you realise your potential to the fullest – and enjoy it. Sport is pure vitality.

Quality for life

# Sports Prosthesis

with the new 3S80 Sport Knee Joint



## 1 3S80 Sport Knee Joint

A sport knee joint must withstand the high loads that arise and act on the prosthesis when running. The patented principle of rotary hydraulics already familiar from the 3R80 prosthetic knee joint have been modified for use in the 3S80 Sport model. In addition, the joint has a manual lock. Compact and robust, the 3S80 Sport is optimised for all kinds of running sports.



## 2 Sport Foot Adapter 4R204

The newly developed sport foot adapter is the optimal connection between the knee joint and sport foot. It can be individually adjusted for the user. A test foot adapter (red) is available to determine the proper structural height for the foot, so there is no need to cut the carbon foot to length multiple times to gradually reach the correct structural height.



## 3 1E90 Sprinter

The lightweight, durable carbon spring foot provides the necessary propulsion for running thanks to a particularly high energy return.



## 4 2Z500/2Z501 Soles

Two sole designs provide the necessary grip on different types of surfaces. The universal sole with a running shoe tread is suitable for a variety of surfaces, while the spike sole can be used for fast sprints, especially on a tartan track.



## 3S80 Sport

The 3S80 Sport – with high-performance swing phase control for running. In the flexion direction, the prosthetic lower leg swings through freely up to a flexion angle of about 60°. Then progressive hydraulic damping sets in and brakes the prosthetic lower leg sharply at about 90°. Even at high stride rates, a harmonious extension stop is ensured by extension damping throughout the entire extension movement, which increases significantly shortly before reaching the extension stop. Flexion and extension damping are individually and independently adjustable.

## 1E90 Sprinter Carbon Foot

Together with the 1E90 Sprinter carbon foot, the 3S80 Sport forms a strong, dynamic combination. The foot provides very high energy return and is available in six stiffness versions depending on body weight. The newly developed sport foot adapter is the perfect connection to the knee joint. For alignment correction, the adapter has a corresponding adjustment option in the a/p-direction. A system with specifically coordinated components: the new sports prosthesis from Ottobock.

## Technical Data 3S80 Sport

Area of Application	
Max. body weight	100 kg
Weight	682 g
Overall height	114 mm
System height	48 mm
Max. flexion angle	135°
Recommended adapter	4R204 Sport Foot Adapter 4R206 Test Foot Adapter
Recommended prosthetic foot	1E90 Sprinter with soles 2Z500/2Z501 (spikes)