

ottobock.

# Pure Sport.



Quality for life

New product

A black and white photograph of a male athlete with a prosthetic lower leg (a 'running blade') in mid-stride. He is wearing a dark t-shirt and dark leggings. In the background is a large, modern building with a curved facade covered in large, raised letters that spell out 'THESE STONES'. The sky is overcast.

# Simply run.

For jogging or sprinting – breathe the fresh air deeply, let your thoughts run free, be active. Nothing is better for clearing your head and just getting away from it all.

# Replenish your energy

As anyone who has ever begun regular training knows, there is no feeling better than the satisfaction after running. The sports prosthesis from Ottobock with the new 3S80 Sport knee joint makes it possible.

## **Release endorphins and gain new energy reserves**

Exercise in fresh air provides the perfect balance for the dynamics of everyday life that nothing can replace. Consciously making time just for yourself – there is no substitute for improving strength and mobility while enhancing your overall wellbeing. Only when you feel well can you realise your potential to the fullest – and enjoy it. Running is more than sport. Running is vitality. Through its commitment to the Paralympic Games, Ottobock has long been

dedicated to sports. Now the technology from the customized prosthesis for competitive sports has been successfully transferred to prosthetic components for leisure sports that are produced in series. A sport knee joint that was especially developed and optimised for running – whether for high-performance athletes or for recreational sport.

# Master high stride rates

There are high demands on a sports prosthesis – it has to be sturdy, yet also lightweight and compact. The knee joint in particular needs to be able to withstand high loads, because the forces acting on a prosthesis when running are greater than when walking. The familiar, patented principle of rotary hydraulics from the 3R80 prosthetic knee joint has been modified for use in the 3S80 Sport. Swing phase control in the 3S80 Sport is optimised for running, allowing you to achieve high stride rates.



A man with a prosthetic leg is running on a beach. He is wearing a dark t-shirt and black leggings. A black dog is running alongside him. The background is a beach with waves.

# Simply keep up.

The Ottobock sports prosthesis enables you to exercise your potential fully and vary it as needed. For jogging, sprinting, jumping or Nordic walking.

A black and white photograph of a man with a prosthetic right leg. He is wearing a dark t-shirt and dark athletic pants with a white stripe down the side. He is leaning forward over a wooden bench, holding his right foot with both hands to stretch his leg. His left leg, which is a prosthetic, is extended back and slightly bent at the knee. The background shows a grassy field and a body of water in the distance.

# Simply stand firm.

The new sport knee joint with the proven principle of rotary hydraulics can be locked with one simple move. No more buckling during warm-up and stretching, during push-ups or other exercises.

# Small lever – big effect



**The locking mechanism provides support for many different activities.**

Just like a pro, an ambitious recreational athlete has to get prepared and warm up thoroughly. And for many athletes, stretching after sport is important too, whether to protect their muscles or just to relax. This requires confidence in the prosthesis. With these important phases in mind, the developers of the new 3S80 Sport integrated a manually operated lock. Simply practical.



# Flexible and strong

For use everywhere – the sports prosthesis is suitable for a variety of terrains and can be used flexibly, for jogging in the park or for a fast sprint on a tartan track. The carbon spring foot is resilient, lightweight, provides high energy return and thus ensures good propulsion when running.

The soles provide the necessary grip – two versions are available for virtually any kind of surface.



# Simply everywhere.

The universal sole with a running shoe tread is suitable for running on rough terrain, on paths and in the woods. The prosthesis also allows fast sprints on a tartan track, because a special sole with spikes for more intensive training in a stadium is offered as well.



A black and white photograph of a person's lower leg and foot, wearing a prosthetic limb. The person is running on a track, with their right leg forward and the prosthetic leg pushing off. The prosthetic leg is dark-colored with a mechanical joint and a curved blade-like foot. The brand name 'ottobock.' is visible on the side of the prosthetic leg. The background is a blurred stadium with tiered seating.

# Simply optimal.

All components of the sports prosthesis are optimally coordinated. You are perfectly equipped for training with your prosthesis – individually adapted and adjusted by your prosthetist.

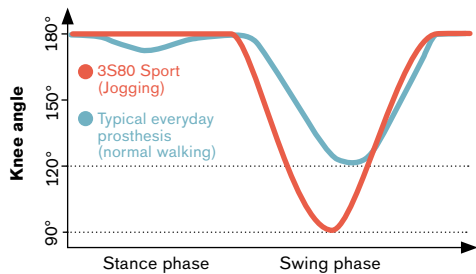
## Optimally combined

### **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° (Fig. 1). 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 full extension. 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 and running distance. 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.



1 Comparison of knee angles of the 3S80 Sport with an everyday prosthesis



#### Note

Please note that you must first practice running with a sports prosthesis with your prosthetist or therapist.

#### Trial fitting

Are you interested in a trial fitting with the sports prosthesis? Contact your prosthetist or a medical supply company.



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