

# 3R93

Modular Friction Brake Knee Joint with Lock



Quality for life

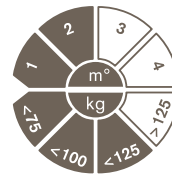


## The modern Therapy Knee Joint

Thanks to its design, the 3R93 can be used as a manual locking knee and as a friction brake knee joint once the prosthesis wearer has regained increased mobility. It offers targeted support for the therapy process following an amputation. The 3R93 is the right knee joint – from the first standing and walking exercises with the interim prosthesis all the way to the definitive fitting!



**Field of application according to MOBIS**  
Recommended for transfemoral amputees with Mobility Grades 1 to 2 – indoor walkers and restricted outdoor walkers – according to the Ottobock MOBIS Mobility System. Approved for patient weights up to: 125 kg/275 lbs.



# 3R93

## Modular Friction Brake Knee Joint with Lock

### 1 Load-dependent brake mechanism

With the manual lock deactivated, knee stability is achieved through the brake mechanism that blocks joint flexion when the knee is weighted. At heel strike, the brake responds and stabilizes the prosthesis throughout the entire stance phase. The brake adjustments are clearly marked and easy to access to optimize patient settings.

2 To initiate swing phase, the prosthesis wearer relieves the load on the prosthesis to deactivate the brake. The integrated extension assist spring controls swing phase. It's simple to adjust the spring tension to optimize function for your patient.

### 3 Optional manual lock function

When the locking function is activated, the locking mechanism secures the joint in full extension. A pull cable is used in order to activate flexion for sitting down. However, the locking function can also be permanently deactivated by the prosthetist.

### The new fitting solution for Mobility Grades 1 to 2

The objective of a prosthetic fitting for amputees with low mobility is to offer the user high stability, both while standing and in stance phase while walking, thereby boosting confidence in the prosthesis. The new fitting solution by Otto Bock, consisting of the 3R93 and the 1M10 Adjust prosthetic foot, pursues precisely this objective.

The 1M10 Adjust features adjustable heel characteristics. Just like the knee joint, the foot can also be adapted to the changing mobility of the amputee. The easy rollover and forefoot characteristics of the 1M10 Adjust facilitates the 3R93's brake release to initiate swing phase.

We recommend the 4R160 KISS System for the connection to the socket along with the 2R77 tube adapter. The KISS System offers unrivalled rotational stability.



### Advantages of the 3R93 at a glance

- Targeted support for the therapy process
- Functions are adaptable to individual safety needs of the prosthesis wearer
- Easy and reproducible adjustments
- Easy prosthesis alignment
- Functional design

The 3R93 is covered by the following registered designs and design patents:  
European Design: No. 001702770-0001  
European Design: No. 001702770-0002  
Further design registrations and design patents are pending.

Otto Bock HealthCare GmbH  
Max-Näder-Straße 15 · 37115 Duderstadt/Germany  
T +49 5527 848-0 · F +49 5527 848-1524  
export@ottobock.de · www.ottobock.com