

3R80

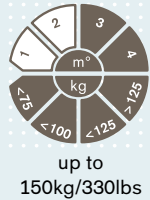
Modular Knee Joint with Hydraulic Stance and Swing Phase Control



Redesign

- Waterproof
- With integrated lock

Quality for life



The 3R80.

A confident step.

Amputees must be able to rely on their prosthesis, especially in the stance phase. The rotation hydraulics of the 3R80 respond to ground reaction forces in the stance phase at every step. They build up hydraulic resistance which prevents involuntary flexion of the joint. The 3R80 principle is particularly advantageous on uneven surfaces, slopes and when walking down stairs step-over-step. It creates a high level of stance phase control and therefore boosts the confidence of the prosthesis wearer – an important factor.

The level of flexion resistance in the stance phase can be easily adapted to the requirements of the user, and enables variable knee flexion under load up to 4° while bouncing, and more than 4° while yielding.

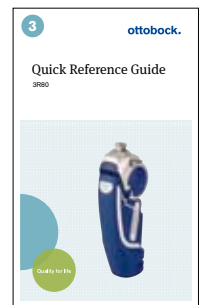
On a relaxed stroll or a brisk walk : the 3R80 harmoniously controls low, medium and also fast walking speeds . The 3R80 easily adapts to changes in walking speed while assisting natural movement patterns.

The 3R80 is suitable for the following amputation levels: transfemoral amputation and knee disarticulation. To guarantee a functional connection of components, combinations with the following prosthetic feet are recommended: 1C40 C-Walk, 1E56 Axtion, prosthetic feet within the Triton product family, particularly the water-resistant product versions 1C63 Triton Low Profile and 1C64 Triton Heavy Duty. When using the 3R80 as part of a waterproof prosthesis combining it with the Ottobock Aqualine components is permissible.

The 3R80 is recommended for amputees with **Mobility Grade 3 and 4** (unrestricted outdoor walkers and unrestricted outdoor walkers with particularly high demands). The robust construction also meets the requirements of highly active users and is approved for a body weight of up to **150 kg**.

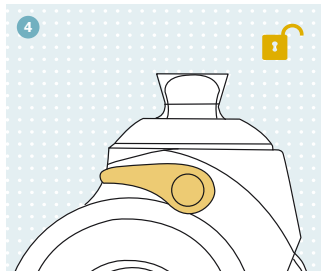
Adjustment made easy

- 1 The 3R80 offers you four setting options for stance phase and swing phase control. Flexion and extension resistance can be adjusted easily and independently.
- 2 Optimal adjustment values for stance phase damping and response behaviour are achieved by gradually turning the adjustment rings.
- 3 A quick reference guide included in the scope of delivery clearly illustrates the adjustment process.

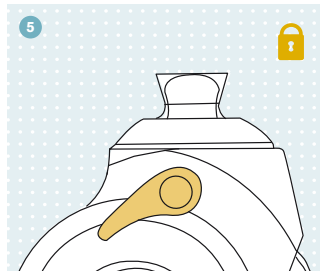


New functions

Manual lock



3R80 unlocked



3R80 locked

Screw-top connection



Waterproof

Activities in wet areas present a special challenge for amputees. For example, the user must adapt to specific conditions adjusting their walking speeds accordingly. When around water the user depends on increased safety in the stance phase which is offered by the prosthesis. The manual lock integrated in the new 3R80 (Fig. 4./5.) takes this requirement into account.

Benefits

For clinical specialists...

- Robust, durable construction with high-performance rotary hydraulics for active users
- High weight limit of 150 kg. A new screw connection version enables long residual limb prosthetic fittings, expanding the user group
- Individual setting options for the user – clearly explained within the included quick reference guide
- Additional, easy to install extension assist spring, adjustment tool and corrosion-resistant tube adapter included in the scope of delivery

... and for the user

- Hydraulic swing phase control supports a broad range of varying walking speeds
- Hydraulic stance phase control supports unlimited knee flexion under load – important for walking down slopes and down stairs step-over-step
- Support for sitting down due to high stance phase flexion resistance, providing relief for the sound side
- High maximum flexion angle of 150° allows extensive freedom of movement, for example when getting into a car
- Waterproof construction for use in wet areas, e.g. in the shower or at the pool
- Manual lock for improved safety in wet areas and comfortable extended standing

Technical data

Proximal connections	Pyramid Adapter, Threaded Connector	
Distal connection	Tube clamp Ø 34 mm	
Weight	3R80	1240 g
	3R80=ST	1255 g
System height	3R80	163 mm
	3R80=ST	179 mm

Max. permissible body weight	150 kg
Maximum knee flexion angle	150°
Construction	robust lightweight aluminium
Waterproof	e.g. in fresh and salt water

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