



ÖSSUR®

LIFE WITHOUT LIMITATIONS

From early rehab  
to full recovery

RHEO KNEE® XC

go anywhere



# FROM EARLY REHAB TO FULL RECOVERY, GO ANYWHERE

The capabilities that make RHEO KNEE XC dynamic for work and home also make it safe and effective for rehabilitation, eliminating the need to train users on a mechanical knee before transitioning them to an MPK.



From easy walking between parallel bars in rehab to smooth walking on real world terrain



From ROM training on a stationary bike in rehab to cycling for transportation and/or fitness



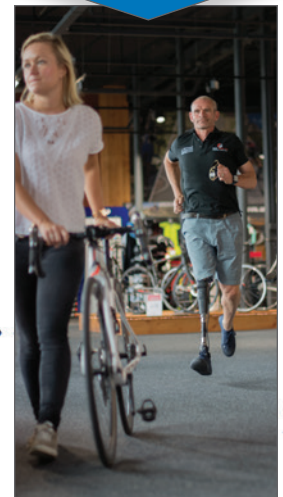
From stepping over manmade objects in rehab to avoiding real world obstacles



From strengthening affected side hip extensors in rehab to ascending stairs leg-over-leg



From varying speed up to a light jog in rehab to running in a variety of everyday situations



ortésica  
protésica **garo**

A man with a prosthetic left leg is walking in a rehabilitation facility. He is wearing a grey t-shirt with the 'garo' logo, dark blue shorts, and blue sneakers. He is using a white cane for support. In the background, there is a wheelchair and a staircase. A blue banner with white text is overlaid on the image.

garo  
orthosis  
prothesen

FROM EARLY REHAB



TO FULL RECOVERY

# RHEO KNEE<sup>®</sup> XC

**From rehab, to the home and office, to the gym and the trail, RHEO KNEE XC confidently goes anywhere.** Whether rehabbing on a spin cycle, navigating tight spaces, strolling around town, or hiking a trail in the rain, RHEO KNEE XC provides the perfect balance of stability and dynamics.

In fact, in a controlled clinical trial, RHEO KNEE XC enabled users to walk further, faster and with less fatigue. User satisfaction also improved significantly with RHEO KNEE XC (see data below).

**Different by design.** We do things differently. That's why, while other leading microprocessor knees still employ traditional hydraulic solutions, RHEO KNEE XC features the cutting-edge, highly-responsive magnetorheologic technology popularized by the aerospace and automotive industries. And that makes all the difference.

**Request a RHEO KNEE XC demo today, so your patients can experience the difference of magnetorheologic technology and go anywhere.**

## GO ANYWHERE

### THE DATA

- Clinically relevant +78 meter increase in average distance walked during 6 Minute Walk Test (6MWT)
- Subjects reported feeling less tired after 6MWT on RHEO KNEE XC than on their previous MPK
- Improved satisfaction in functioning compared to previous MPK (3.59 versus 3.07 on PEQ MS 12/5 scale of 0-4)

Sigurjónsson, B., Ikelaar L, Lindgren K, Langlois D, Lechler K, A new microprocessor-controlled knee significantly improves mobility and function in high active TF amputees compared to their previous MPK; OT World Congress 2016 Leipzig, Germany Lecture Research/Practical [5905] Abstract [1872].

### RHEO KNEE XC KEY FEATURES

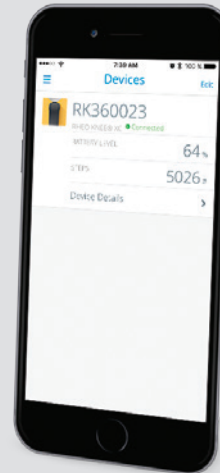
- **AUTOMATIC** setup process
- Advanced kinematic sensor technology, including **GYROSCOPE** and **ACCELEROMETER**
- Automatic **STUMBLE RECOVERY**
- **CONFIDENTLY** step over obstacles
- **STABLE** when stepping backward
- **MANUAL EXTENSION LOCK**
- **WEATHERPROOF** (IPx4 rating)\*
- Offers **ADVANCED REHAB** capabilities, including:
  - Automatic **CYCLING** recognition for spinning
  - Leg-over-leg **STAIR ASCENT**
  - **WALKING** and **JOGGING**

\* Do not submerge, or expose to chlorinated or salt water.

ÖSSUR BALANCE SOLUTIONS	ÖSSUR DYNAMIC SOLUTIONS	ÖSSUR IMPACT SOLUTIONS
<p><b>PRO-FLEX</b></p> <p>82% more range-of-motion and 93% greater push off than conventional energy storing and return feet.*</p> 		
<p><b>PRO-FLEX LP</b></p> <p>Uses a "reverse tapered" mid-blade to help provide full-height dynamics in a low profile foot.</p> 		
<p><b>PRO-FLEX XC</b></p> <p>Excellent vertical compression, all-terrain compliance and toe-off energy for active users.</p> 		
<p><b>RE-FLEX ROTATE™</b></p> <p>High energy return, integrated shock absorption and reduction of rotary forces.</p> 		
<p><b>RE-FLEX SHOCK™</b></p> <p>Exceptional energy return and superb shock absorption for users that enjoy high-impact activities and sports.</p> 		



RHEO KNEE XC comes with software that lets users quickly check knee status and battery charge level. A professional mode also enables clinicians to easily adjust the functionality for each user and access valuable activity reports. Software is available for PC and iOS devices (iOS8 or later), and communicates wirelessly with Windows PC and iOS devices via Bluetooth.



#### Expert Mode

- Knee Setup
- Step Count
- Walking Speed Distrib
- Avg Walking Speed
- Activity Report PDF

#### User Mode (iOS only)

- Remaining Battery Charge
- Step Count
- Links to Alarms, Alerts and IFUs

NOTE: License code required for expert mode.

## INDICATIONS

- Transfemoral and knee/hip disarticulation amputees
- Medium to high impact levels
- Maximum patient weight: 300 lbs (136 kg)  
For jogging: 242 lbs (110 kg)

## TECHNICAL SPECIFICATIONS

- Build height: 9.25" (236 mm)
- Device weight: 3.5 lbs (1.6 kg)
- Battery life: up to 72 hours, depending on level of activity

## KIT OPTIONS

- RKNXC0003 - Kit with 3-year warranty
- RKNXC0005 - Kit with 5-year warranty
- BIC00110 - Bionic Protector

## WARRANTY/SERVICE

- 36-month limited warranty (no mandatory service check)
- Optional 24-month extended warranty available for purchase (includes 40-month service check)

\*Heitzmann, D. W. W., et al. (2015). "Evaluation of a novel prosthetic foot while walking on level ground, ascending and descending a ramp." Gait Posture 42: S94-S95.

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