

Let's start with easy



6-Bar Hydraulic Knee NK-6

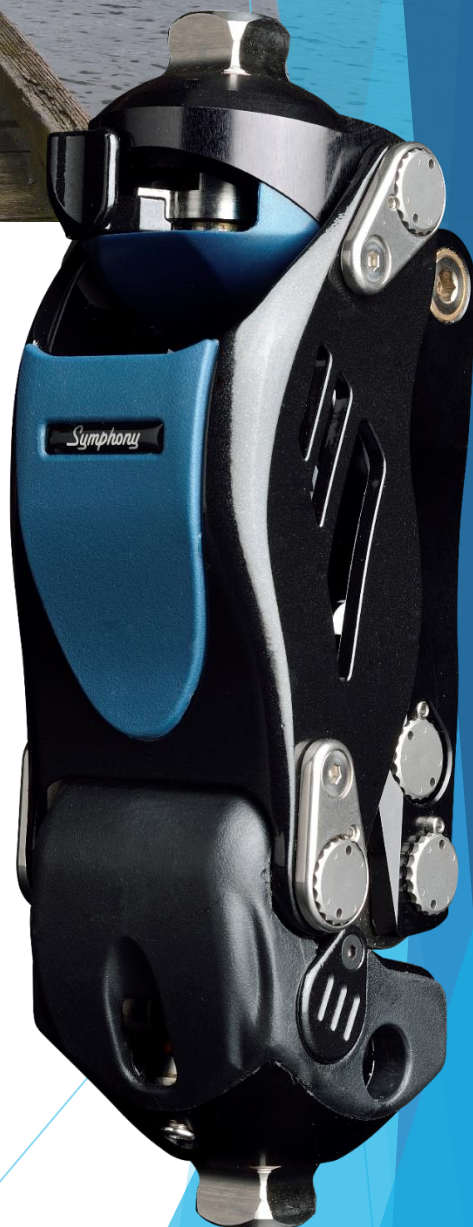
Symphony™

The Symphony Knee is designed with a unique, 6 Bar polycentric structure that provides an extremely high level of stability during stance phase. Its innovative mechanical sensor, the p-MRS system, automatically detects gait status and controls the stability of the knee joint accordingly. Its hydraulic cylinder provides a smooth swing phase and works with the Symphony's adjustable stance flexion feature to enhance the patient's ambulatory experience and provide a comfortable, confident gait to the user.

- 6 Bar hydraulic knee.
- Adjustable stance flexion.
- High level of stability due to geometric locking.
- Hydraulic cylinder design allows easy flexion initiation.
- Easy to access user adjustable manual lock.
- Low build height.
- High maximum flexion angle of 170°.

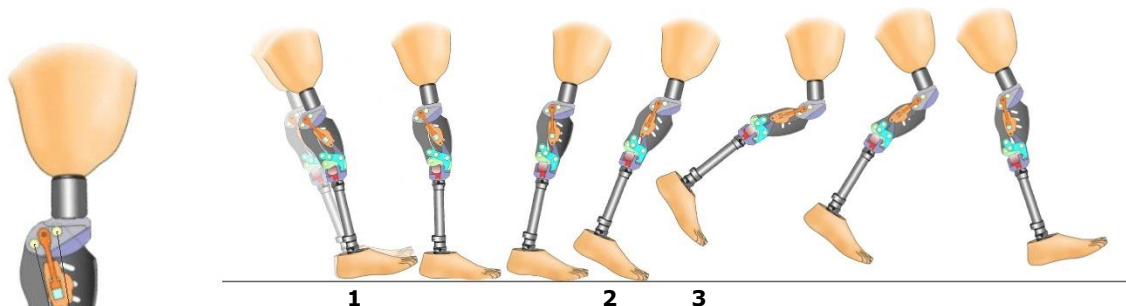
Recommended L-code

- L5814, L5845, L5848, L5850, L5925



Very Easy & Vary Safe

p-MRS (Polycentric-Mechanism of Reaction force Sensing) system is an originally developed mechanical sensor utilizing a principle of the polycentric link system. This detects the position of the ground reaction force around the sensing point, and automatically control the knee's stability.



Sensing Point

1.Heel Contact

The p-MRS System immediately locks the knee joint geometrically for the user's safety, and make a knee flexion to maximum 10 degrees. Appropriate amount of stance flexion provides a comfortable walking. Amount of the Stance-Flexion is adjustable according to the user's gait.

2.Late Stance

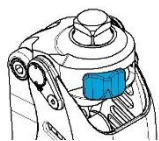
When the p-MRS System detects ground reaction force at toe, the knee joint naturally releases the lock and smoothly shifts to the swing phase. No special gait training is required to the user for releasing the lock. The NK-6 Symphony seamlessly releases the geometric lock.

3.Swing Phase

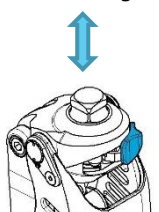
A compact and powerful hydraulic cylinder naturally responses to various walking speed widely. At the pre-swing phase, Initiating the swing is very light compared with conventional hydraulic knees. Installed extension assist spring adjustable helps to keep full extension at the terminal swing.

Very Useful for New patients

A Selective Lock system is optionally available for NK-6 Symphony. This function helps the user to challenge what he/she wants to do and also helps to do what he/she need to do. It is an especially reassuring feature for new patients.



Unlocking



Locking

Specifications



Model No.	NK-6	NK-6+L	NK-6SH	NK-6SH+L
Proximal connection	Pyramid		Threaded head	
Selective Lock	-	✓	-	✓
Total Length	197mm		191mm	
Weight	920 g	970g	960g	1010g
Material	Titanium & Aluminum			
Max. Flexion Angle	170°			
Max. Body Weight	K3(MOB3) : 125kg K4(MOB4) : 100kg			
Mobility grade	K-Level 2-3, Mobility Class 2-3			

Specifications are subject to be changed without a prior notice.

Manufacturer

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Website