



Plié 3
Microprocessor Knee

 **steeper**
Creating life's turning points, together



Water and particle-proof - IP67

Rated at IP67, the Plié 3 is totally waterproof to 1m for 30 minutes, and completely resistant to the ingress of any solid particles.

Although not promoted as a swimming limb, the warranty will be honoured, provided the knee is thoroughly hosed off as soon as possible following immersion (especially in sea or chlorinated water).



Advanced, customisable stumble recovery

Stumble recovery parameters are automatically calculated and will activate if any one of the 8 critical parameters in stance phase is not achieved.

Trigger points can be manually adjusted to suit each user. E.g. if the stumble recovery is triggered when carrying out a specific action or task, this can be isolated and adjusted independently, maintaining the high safety levels of the other parameters.

Simple set-up

Simple set-up wizard software enables quick and easy knee configuration to the optimal settings for slow to fast walking.

Remote access for advice

Record real-time data, save, and either examine using the Plié 3 software's own 'gait lab', or contact Steeper for support.

An actuator faster than the blink of an eye

With an impressive spool valve response time of 10 milliseconds, the speed of the knee control locks and unlocks instantaneously, helping patients to respond to and negotiate all manner of obstacles quickly and safely.



Interchangeable batteries

Removable small camera batteries can be charged via the mains charger, negating the need to connect the prosthesis itself to a charge point.

Two batteries are supplied as standard, additional are available to purchase.

Independent adjustment of flexion, extension and stance yield

3 manual settings available for patients to adjust for a sports activity or other specific task. Adjusting the pneumatic flexion element also provides extension assist, which users may want to increase at times.

Rapid gait response

Plié 3's unique design controls both stance and swing phases, and the transition between them.

The microprocessor receives inputs and reacts in both the swing and stance phases of gait, maintaining the highest degree of safety and stumble recovery. The combination of the hydraulic control and the microprocessor control logic, allows the Plié 3 to react much faster than other MPC knees and makes the knee much more responsive to changes in speed.



Fastest MPC knee

Sampling at 1000 Hz with a spool valve response time of 10 milliseconds, the Plié 3 is the fastest MPC knee, responding 10 to 20 times more rapidly than other MPC knees.

Short build, low weight

One of the lightest and shortest builds available on the market at 1.23kg and a build height of 236mm.

Transferable settings

Save the settings and reinstall them into another unit e.g. when refitting a knee after servicing.

Cadence report to assist with outcome measures

Download and save a PDF cadence report showing the varied walking speeds achieved during knee set-up and compare with future set-up figures, following training and experience.

Selection of designer fairings

The protective kneeling pad and durable protective cover is available in a range of patterns and colours.





Clinical Application

The Plié 3 is suitable for any K3 transfemoral prosthesis user who has adequate strength in hip flexion and extension, is capable of walking a limb with a free knee and who would benefit from a unit that provides:

- A high degree of safety, by means of a stumble recovery system
- A customisable recovery system that will maintain safety over a range of activities
- The opportunity to walk at variable cadence over surfaces such as sand, pebbles and through grass
- Protection from dust, silt, powder and moisture, either in the work place or when pursuing a leisure activity
- Continuous function even when occasionally totally submersed
- The ability to walk backwards, or traverse sideways
- For high K3 or K4 users, the opportunity to jog, or participate in a sport where change of pace or direction is required

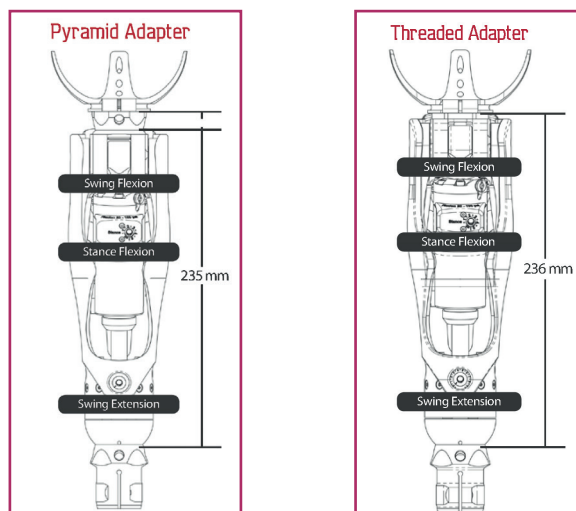
Ordering Information

Part Number	Description
NKS3-00-KNEE1-KT	Pyramid Adapter
NKD3-00-KNEE2-KT	Threaded Adapter

Product Specification

Weight Limit	Impact Level Suppliers Description	Weight of Unit	Build Height	Warranty
125kg	Moderate	1235g	23.5cm Pyramid	3 years (Up to 5 year warranty available)
100kg	High		22.3cm Threaded	

Technical Information



Designer Fairing Options

Part Number	Description
NKS3-DF-BBLUE-00	Blazing Blue
NKS3-DF-COPPR-00	Captivating Copper
NKS3-DF-METAL-00	Tech Metal
NKS3-DF-PPINK-00	Pink Passion
NKS3-DF-PROUD-00	Proud Marines
NKS3-DF-BLACK-00	Standard Black
NKS3-DF-PWHITE-00	Pearl White
NKS3-DF-RARED-00	Radical Red
NKS3-DF-CAMO1-00	Forest Camo
NKS3-DF-FLAME-00	Fabulous Flames
NKS3-DF-FLAGS-00	The Patriot

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