



## Knee module Steplife P5

- A **serial device** for qualitative change of patients' activity
- 65 tests were conducted throughout Russia in cooperation with the Russian Ministry of Industry and Trade
- Implemented **import** substitution program throughout Russia

**Steplife** - is a Russian innovative company that produces high-tech components for limb prostheses. The company carries out its developments using the latest achievements in robotics and bionics in combination with the latest world scientific research on the nature of human walking.



### Steplife - is

Availability    ▪    Innovation    ▪    Reliability

95%    Functional Russian components

### The excellence of Steplife

Steplife products are brought to design precision taking into account feedback from patientstest drivers

- High-tech components:
- 30-40% cheaper than Western analogues
  - Not inferior in quality and functional features

Production of innovative devices taking into account the study of the biology of human walking

### They support us



#### For partnership

<https://steplife.ru/>  
[marketing@steplife.ru](mailto:marketing@steplife.ru)

#### For ordering Steplife P5

Tel.: \_\_\_\_\_  
email: \_\_\_\_\_



## Advantages of the Steplife P5 knee module

- The knee module has a polycentric lever design, which allows simulating the mechanics of complex movement of the shin of a healthy human leg during walking, as well as the main functions in its static positions.
- When the knee joint is bent, each movable element performs its own angular displacement relative to its two support axes and the adjacent elements connected to them.
- In the extended state of the knee module, when the distal part rests on the surface and a vertical load acts on the upper support, a geometric lock is created that does not allow the knee to bend while this load acts on it.



### Characteristics

Activity level	1, 2, 3
Material	Aluminum
Connection in distal part	Carved cylindrical adapter with clamp for support tube (30 mm); adapter-pyramid
Connection in proximal part	Adapter with pyramid
Yaw angle	From 143 to 146 (depending on the type of overlay)
System height, mm	163
Axis	Polycentric
Stance phase	Self-aligning geometry axis, geometric locking
Swing phase	Pneumatic with adjustable speed, spring
Max user weight, kg	125
Knee module weight, g	850

#### For partnership

<https://steplife.ru/>  
[marketing@steplife.ru](mailto:marketing@steplife.ru)

#### For ordering Steplife P5

Tel.: \_\_\_\_\_  
email: \_\_\_\_\_