

TFR

TRENDS FOR REHAB



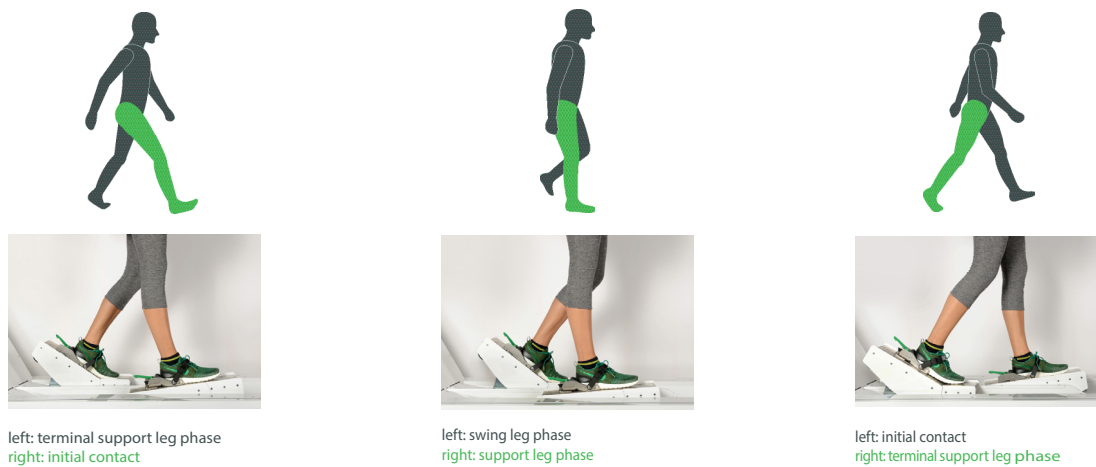
PERPEDES

STEPPING BACK INTO LIFE
by schepp medtech GmbH

PERPEDES by schepp medtech GmbH is an innovative gait rehabilitation device, which is based on the end-effector principle. It offers an unique anatomic gait pattern including plantar flexion. The device has a smart patient lift system to pick up the patient from the wheel chair and transfer the patient fast and comfortably into therapy position. **PERPEDES** does not only avoid bending of the patient by offering pelvis support, it also allows to actively move the pelvis transitionally and rotationally according to the human movement.

PERPEDES has load sensors installed in each footplate to measure the force applied to the footplate by the patient and the load distribution on the footplates. This information is used to react to the patients activity. The device is capable of operating interactively.

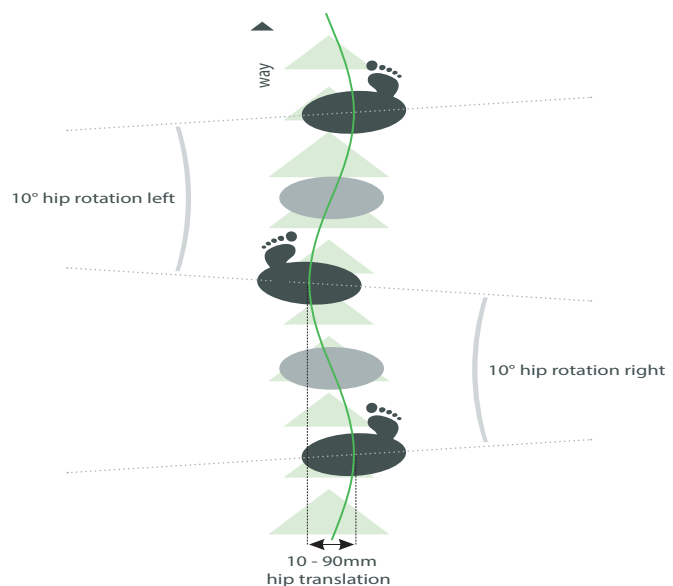
Natural walking motion including plantar flexion



Pelvis support & weight relief

The pelvis support of **PERPEDES** allows the reproduction of hip rotation and translation. Though the pelvis can be moved active or be supported. Depending of therapeutic indication.

The dynamic supported weight relief ensures the up and down movements (up to 5 cm) Weight relief is possible from 0 - 100%.



Control Unit & User interface

PERPEDES is controlled by a tablet, which can be fixed on both sides of the device. There are also foot-switches for controlling. The user interface consists of: patient data, therapy controlling, and power feedback system.

The integrated power feedback system reflects the activity of the patient. Six integrated sensors show the force and relief of the feet.

Every patient gets a basic setting on **PERPEDES**. So the gait rehabilitation device can be realigned easily after use.



PERPEDES - Facts

- Natural walking motion including plantar flexion
- Progressive hip and torso control (hip translation, hip rotation, dynamic vertical)
- Body weight relief from 0 to 100 %
- Interactive therapy options
- Patient lift system, operated via tablet or foot switches
- Max. speed: 3,6 km/h
- Max. steps/minute: 94
- Versatile adjustment options
- Intuitive operation for the therapist
- High subjective feeling of safety for the patient
- Revolutionary technology - smooth running
- Cost efficiency



DATA SHEET

- Length: 233 cm
- Width: 110 cm
- Height: 278 cm
(lower heights also possible - please contact us)
- Weight: 900 kg
- Power Supply: 230V/50Hz

- Patient Height: 120 - 210 cm
Ped. Module: min. size 85 cm (change in less than 1 min)

- Max. Patient Weight: 175 kg

- Max. Speed: 3,6 km/h
- Max. Steps/Minute: 94

- Step length: 27 - 62 cm
- Step Width: 9/19 cm

- Weight Discharge: 0 - 100%

