

Genium®

1 Inertial motion unit (IMU)

The gyroscope and the acceleration sensors make it possible to measure the Genium's position in space and acceleration in real time. An angle sensor determines the flexion angle and flexion angle speed. Prosthesis control is based on motion analysis and additional force measurements.

2 Hydraulic unit

The hydraulic unit controls the Genium. The flexion and extension resistances are controlled independently of one another by two control valves.

3 Battery and electronics

The Genium's battery and electronics are enclosed and protected by the frame. The integrated microprocessor coordinates all measurement and control processes.

4 Bluetooth®

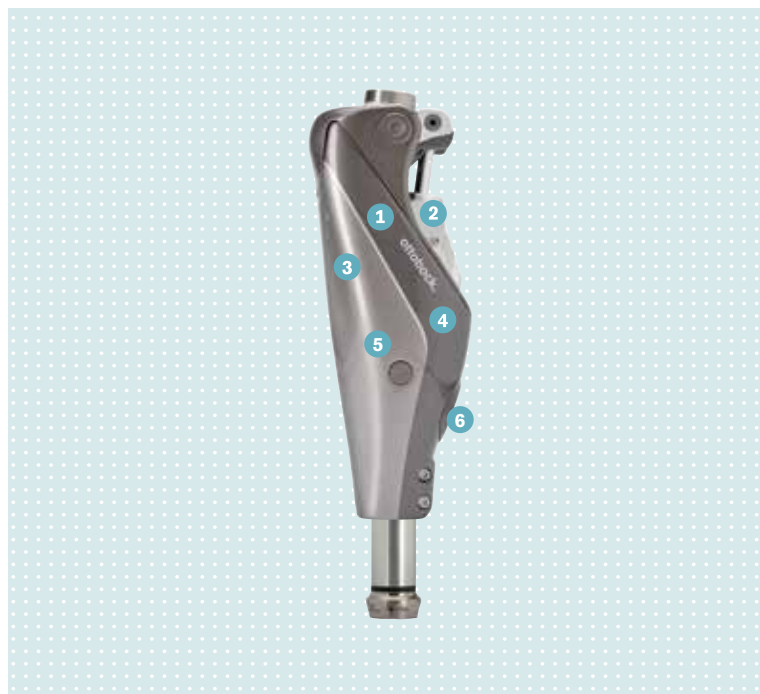
Integrated Bluetooth® technology permits communication with the joint. Bluetooth® can be deactivated if necessary.

5 Knee moment sensor

The knee moment sensor supplies data about the knee moments that occur: this important information makes it possible to precisely determine the forces acting on the prosthesis.

6 Inductive charging

The inductive charger is magnetically attached to the back of the knee joint. This technology permits charging through clothing and cosmetic covers.



Benefits²

- OPG 2.0 for the smoothest, most natural gait (including on uneven surfaces), safety when walking backwards, noticeable support when walking uphill and downhill
- Sophisticated Stumble Recovery
- Choice between Intuitive and Deliberate Stance Function
- Stairs and Obstacle Function for climbing stairs step-over-step and crossing obstacles
- MyModes plus offer a tremendous selection of individual adjustment possibilities for 5 different modes
- Walk-to-run function for short sprints (in basic mode)
- Smart adjustments via the Cockpit app for iOS and Android devices
- Adjustment software with descriptive video tutorials and setting recommendations for bilateral and hip disarticulation users support an efficient fitting (X-Soft version 1.8 and up)
- Can be combined with an osseointegrated implant system

² More about Genium and X3 studies: www.ottobock.com/clinicalstudies

Technical data

Article number	3B1-3 (pyramid adapter) 3B1-3=ST (threaded adapter)
Max. body weight	150 kg / 330 lbs
Knee flexion angle	135° without flexion stop ¹
Weight of the knee joint	1,400 g / 3.09 lbs
Material	Carbon
Moisture protection	Weatherproof (IP 67)
Tube adapter	2R20, 2R21

¹ Flexion stop reduces the knee flexion angle by 7.5°, 15°, or 22.5°

Can be ideally complemented by:

