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Genium X3.Choose powerful versatility

The Genium X3 empowers users to achieve more than ever before. From physically demanding jobs and active family time, to swimming and sports – this exceptionally robust and resilient waterproof knee joint is designed to excel in everyday challenges and beyond. It also delivers an unbelievably smooth, intuitive walking pattern, enhanced safety, improved user experience, and outstanding support for everyday situations.

For users:

- Reliable initiation of the swing phase, even on challenging terrain
- Stumble recovery Plus active at all times
- Energy saving when walking, especially on slopes and uneven ground
- Ability to climb stairs step-over-step and cross obstacles
- Ability to vary walking speed up to running pace with the Walk-to-Run function
- Enhanced stability and comfort with intuitive stance
- Robust and durable design
- Waterproof and corrosion-resistant (IP68) design which enables full functionality during activities in fresh, chlorinated, and salt water

For professionals:

- Support during prosthetic alignment via computer assisted alignment (CAA)
- Clear video tutorials and fitting recommendations for bilateral and hip disarticulation users (X-Soft version 1.8 and up)
- Optimal fitting results thanks to delivery without a factory setting — all user data is programmed and the adjustment software calculates the optimal parameters
- Individual adjustment of the prosthesis to match user preferences (e.g. MyMode Plus options)
- Access to usage statistics that show progress at each appointment
- The ability to connect to an osseointegrated, percutaneous implant system*

*In case of connection to an implant system, verify that the manufacturer of the implant system and the manufacturers of the corresponding exoprosthetic components/adapters also permit this combination.



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Offer your patients powerful versatility in every step

1 Knee moment sensor

Supplies the data needed to precisely determine the forces acting on the prosthesis

2 Integrated Bluetooth® technology

Enables intuitive communication with the joint and can be easily deactivated

3 Battery

Rechargeable battery and electronics are enclosed and protected by the frame (5 days use time plus Deep Sleep mode)

4 Hydraulic unit

Controls flexion and extension resistance independently via two control valves

5 Integrated microprocessor electronics

Coordinates all measurement and control processes

6 Inertial motion unit (IMU)

A gyroscope, accelerometers, and angle motion sensor track spatial positioning, acceleration, flexion angle, and flexion angle speed in real time. Hydraulic control is based on analysis of the movements and force acting on the joint.

7 Inductive charging

Charge through clothing and cosmetic covers via a magnetic attachment on the back of the knee

8 Carbon frame design

Strong, high-grade, and lightweight to protect the electronics, hydraulics, and battery throughout a wide spectrum of everyday activities

9 Robust protective cover

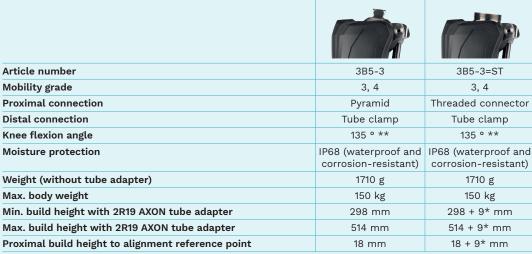
Safeguards the prosthesis against everyday stresses, including impacts

10 Intelligent AXON tube adapter

Measures ankle movement and the vertical force acting on the joint in real time

11 Waterproof design and corrosion-resistant coating (IP68)

Protected against dust, dirt, and liquids, enabling the joint to remain fully functional underwater — even in strong jets, chlorinated pools, and salt water



^{*} The thread length is 9 mm.



^{**} The flexion stop reduces the knee flexion angle by 7.5°, 15° or 22.5° (pre-assembled).