

## 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.



## Genium X3.

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



		
<b>Article number</b>	3B5-3	3B5-3=ST
<b>Mobility grade</b>	3, 4	3, 4
<b>Proximal connection</b>	Pyramid	Threaded connector
<b>Distal connection</b>	Tube clamp	Tube clamp
<b>Knee flexion angle</b>	135 ° **	135 ° **
<b>Moisture protection</b>	IP68 (waterproof and corrosion-resistant)	IP68 (waterproof and corrosion-resistant)
<b>Weight (without tube adapter)</b>	1710 g	1710 g
<b>Max. body weight</b>	150 kg	150 kg
<b>Min. build height with 2R19 AXON tube adapter</b>	298 mm	298 + 9* mm
<b>Max. build height with 2R19 AXON tube adapter</b>	514 mm	514 + 9* mm
<b>Proximal build height to alignment reference point</b>	18 mm	18 + 9* mm

\* The thread length is 9 mm.

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