

# Genium X4.

## Mobility reimaged.

A truly next-gen MPK, *Genium X4* is more than a new evolution of Ottobock's most advanced knee technology. It's a revolutionary step that unlocks a whole new mobility experience. From its unmatched functionality to its cutting-edge digital ecosystem, *Genium X4* is an MPK that redefines what's possible for both unilateral and bilateral amputees. Built on the proven, pioneering Genium platform, this is the knee that will take users as far as they can imagine - and further.

### For users:

- Optimized slope ascent for a more natural walking motion and total confidence on inclines
- Easy first-step swing initiation enabled by advanced start-to-walk functionality
- *Intuitive Slope Adaptation* automatically adapts resistance to the steepness of the descent to maximize support and stability.
- Intuitive cycling mode for seamless transitions from walking to biking and back again
- Enhanced support for dynamic backwards movement
- Supported sitting function allows customized resistance while sitting down
- Sitting function promotes adjustable freedom of movement when sitting
- Stance function (intuitive/deliberate) provides a wide range of customized stability and mobility for static activities
- Locked stance phase provides maximum stability for confident multitasking and early prosthetic fittings
- Stairs and obstacles' function allows effortless transitions from walking to stairs ascent
- Stance release feedback activates an audible tone when all stance release criteria are met
- Walk-to-run supports quick bursts of running and unparalleled knee response
- Wide range of optional customizable covers
- Long battery run-time with quick-charge capability
- Customizable MyModes in the Cockpit app (Apple and Android)
- Waterproof (IP68) and corrosion-resistant design that enables full functionality in fresh, salt, and chlorinated water

### For professionals:

- Advanced *connectgo.pro* app that supports expert configuration and comprehensive customization
- Recommended knee settings dynamically generated by initial data inputs
- Extensive customization for hills, ramps, and uneven terrain
- Available demo mode for initial training and assessment
- Full library of online training videos, including tutorials on both unilateral and bilateral fittings

ottobock.



# Genium X4.

Live life in effortless motion.







- 1. Intelligent AXON tube adapter**  
Enables real-time measurement of the ankle moment and axial load acting on the knee joint.
- 2. 0° flexion of the knee ball (pyramid and threaded top)**  
No additional tilt of the pyramid when the knee is upright.
- 3. Gyroscope & accelerometer**  
A gyroscope and accelerometer enable real-time tracking of spatial positioning and acceleration.
- 4. Knee angle sensor**  
Reads the angle of the knee in real time.
- 5. Carbon frame**  
Durable, lightweight structure protects the electronics, hydraulics, and battery through a wide range of everyday activities.
- 6. Knee moment sensor**  
Supplies data needed to precisely determine forces acting on the prosthesis.
- 7. Waterproof (IP68) & corrosion resistant**  
The knee joint is protected from dust, dirt, and liquids, and enables full functionality in fresh, salt, and chlorinated water.
- 8. Hydraulics with heat sink**  
Two control valves independently control flexion and extension resistance. The heat sink is designed to transfer heat away from the hydraulic to help prevent overheating.
- 9. Battery & electronics**  
Up to five days of battery run-time depending on activity level and environment.
- 10. Bluetooth LED & charging status LED**  
Lights tell the user and CPO when the knee is connected via Bluetooth or when it is charging.
- 11. Magnetic charging port**  
Secure charger connection to the knee joint with USB options for the power supply.
- 12. Optional customizable covers**  
A wide range of cosmetic options that protect the prosthesis from scratches and bumps.
- 13. Advanced connectgo.pro app for O&P professionals**  
Enables flexible, end-to-end control of product configuration and customization



## Technical data

<b>Article no.</b>	3B5-4=P (pyramid) / 3B5-4=ST (threaded top)
<b>Mobility grade / K level</b>	2-4
<b>Max body weight</b>	150 kg / 330 lbs
<b>Proximal connection</b>	Pyramid/Threaded top
<b>Distal connection</b>	34 mm tube clamp
<b>Knee flexion angle</b>	135°
<b>Weight (without tube adapter)</b>	1.600 g / 3.53 lbs
<b>Frame material</b>	Carbon
<b>Moisture protection</b>	IP68, corrosion-resistant (fresh, salt, chlorinated)
<b>Tube adapter(s)</b>	2R68 AXON tube adapter (waterproof) 2R69 AXON tube adapter with torsion
<b>Warranty</b>	3 year standard / 6 year extended
<b>Maintenance interval</b>	24 months

## Prosthesis solution

-  6Y110 Skeo Sealing Liner
-  7T4450=1 SiOCX socket
-  1C50 Taleo
-  1C56 Taleo Adjust
-  1C70 Evanto
-  F21 Maverick Xtreme AT