

Move naturally thanks to OPG



Many users have our unique OPG technology to thank for their healthy, nearly natural gait pattern. We have further optimised the intuitive walking pattern enabled by the Genium and Genium X3 knee joints just for you.

1 PreFlex: effective impact absorption

When walking naturally, we flex our knee slightly before our foot touches the ground. This reduces the force we place on our leg and makes it easier for us to move ourselves forwards. The Genium and Genium X3 are the only knee joints out there which provide this preflexion.

2 Adaptive Yielding Control: customised knee flexion

The innovative knee prosthesis adjusts the flexion resistance to match the natural model of the respective situation in real time. It also automatically takes into account loads (suitcases, backpacks) that the user is carrying, or heavy footwear.

3 Enhanced safety thanks to Dynamic Stability Control

From small or large sequences of steps to changes in pace or walking backwards: Dynamic Stability Control ensures smooth movement patterns. This unique, patented feature guarantees optimised transitions between the stance and swing phases of the user's gait.

4 Adaptive Swing Phase Control offers Stumble Recovery

Studies have confirmed that the Genium and Genium X3 offer a high degree of safety thanks to their significantly reduced risk of stumbling and falling. Whether on level ground, inclines or uneven surfaces – Adaptive Swing Phase Control makes being mobile safer.

“Thanks to the outstanding technology in my Genium X3, I don't have to hold back when playing with my children”

Benefits

- Nearly natural gait pattern thanks to unique OPG technology
- Risk of stumbling and falling minimised due to increased ground clearance
- Walking becomes safer, including on inclines and uneven surfaces
- Waterproof and corrosion resistant (Genium X3)
- Weather resistant (Genium)
- Special running mode for sports (Genium X3)
- Large selection of individual movement patterns for greater flexibility
- Remote control using our Cockpit app
- Climbing stairs step over step

Technical data

	Genium	Genium X3
Max. body weight	150 kg	125 kg
Knee flexion angle	135° without flexion stop*	135° without flexion stop*
Weight of the knee joint	approx. 1,395 g	approx. 1,710 g
Mobility grade	2, 3, 4	3, 4
Moisture protection	Weatherproof	Waterproof and corrosion resistant
Tube adapter	2R20, 2R21	2R19

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

Your O&P professional would be happy to provide you with advice on the Genium and Genium X3 knee prostheses.

