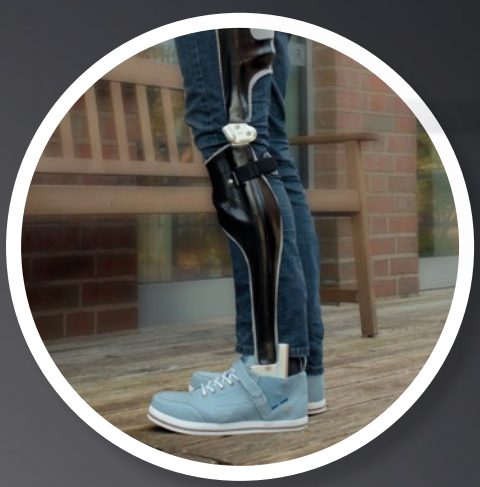
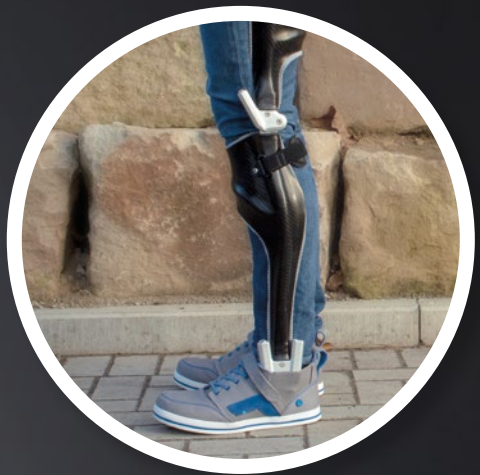
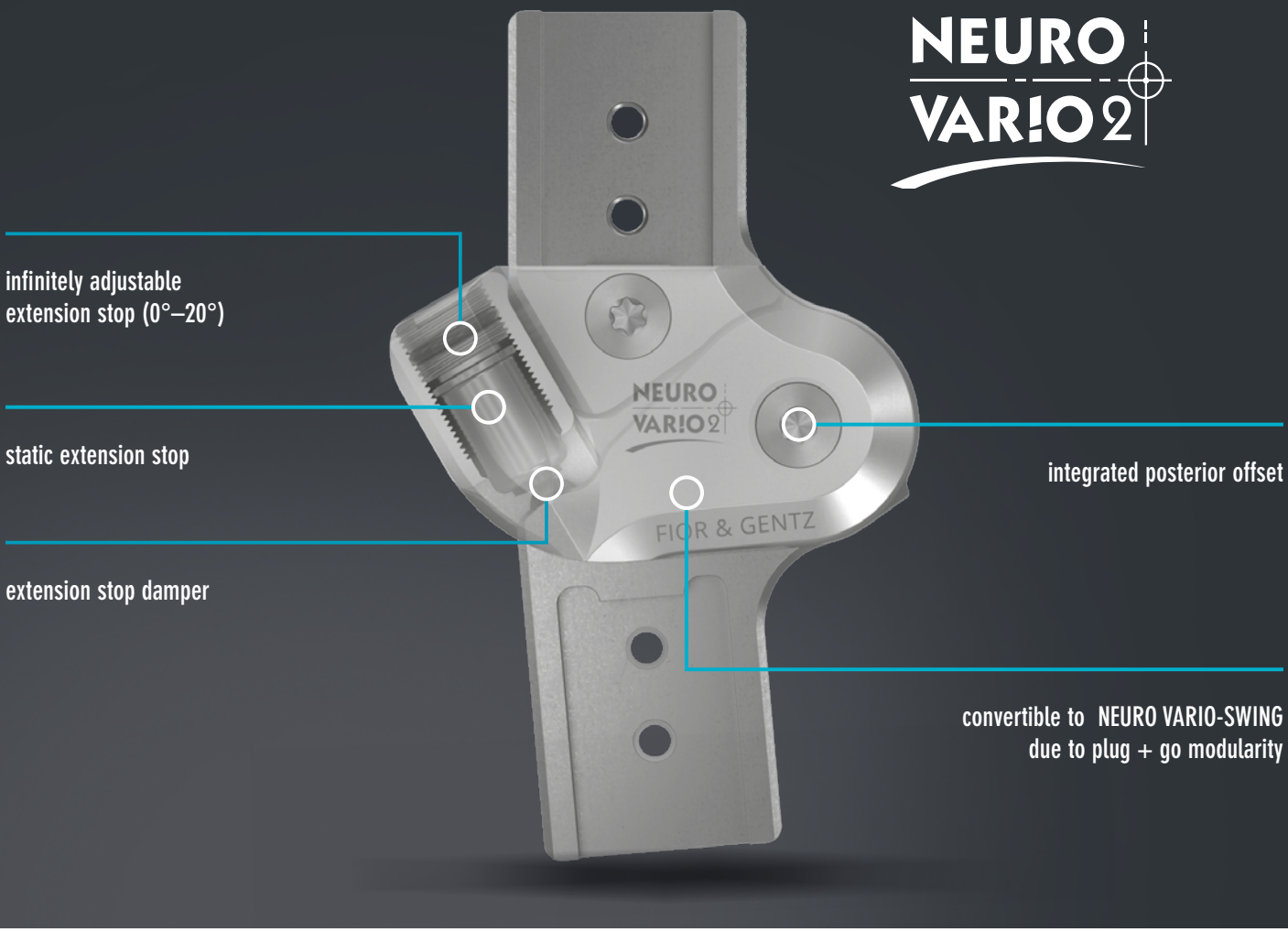
FIOR & GENTZ
ORTHOPÄDIETECHNIK MIT SYSTEM

NEURO VARIO 2
NEURO VARIO-SWING
– Infinite Adjustability and Dynamic Features





NEURO VARIO 2 – Infinitely Adjustable



Flexion Adjustment

The **system knee joints NEURO VARIO 2** and **NEURO VARIO-SWING** have an infinitely adjustable extension stop. The range of motion in extension can be limited from 0° to 20° by using the alignment screw.

NEURO VARIO 2

The **NEURO VARIO 2 system knee joint** is ideally combined with a system ankle joint with an infinitely adjustable dorsiflexion stop, such as the **NEURO VARIO 2 system ankle joint**. Thus, the knee flexion can be adjusted optimally to the correct tibia inclination.

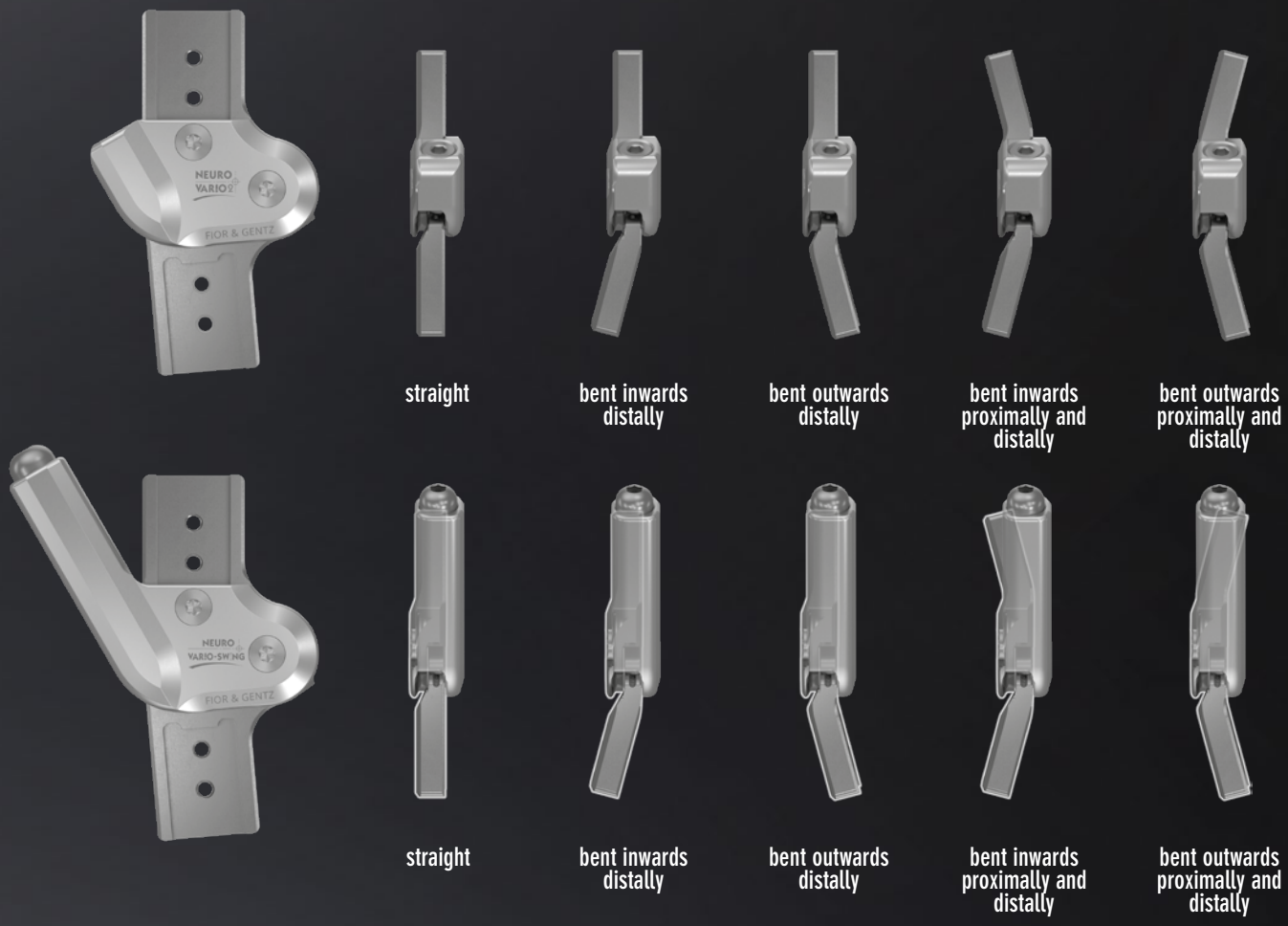
NEURO VARIO-SWING

The **NEURO VARIO-SWING system knee joint** is ideally combined with a system ankle joint with an infinitely adjustable dynamic dorsiflexion stop, such as the **NEURO SWING system ankle joint**. Thus, the knee flexion can be adjusted optimally to the correct tibia inclination.

NEURO VARIO 2 and NEURO VARIO-SWING

Large Selection of Joint Versions for an Individual Fit

in the System Widths 12mm, 14mm, 16mm and 20mm



plug+go MODULARITY

More Flexibility for System Knee Joints

+ EASY AND FAST ASSEMBLY

+ FLEXIBLE IN USE

System knee joints with **plug + go modularity** can be converted into another system knee joint with **plug + go modularity** by exchanging the functional unit.

All functional differences derive from the cover plate, which can be exchanged quickly and easily to convert between the system joints.

System joints with **plug + go modularity** include the **NEURO VARIO 2** and the **NEURO VARIO-SWING**.

NEURO VARIO-SWING – Infinitely Adjustable and Dynamic Features

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NEURO VARIO 2 and NEURO VARIO-SWING belong to the free moving system knee joints.

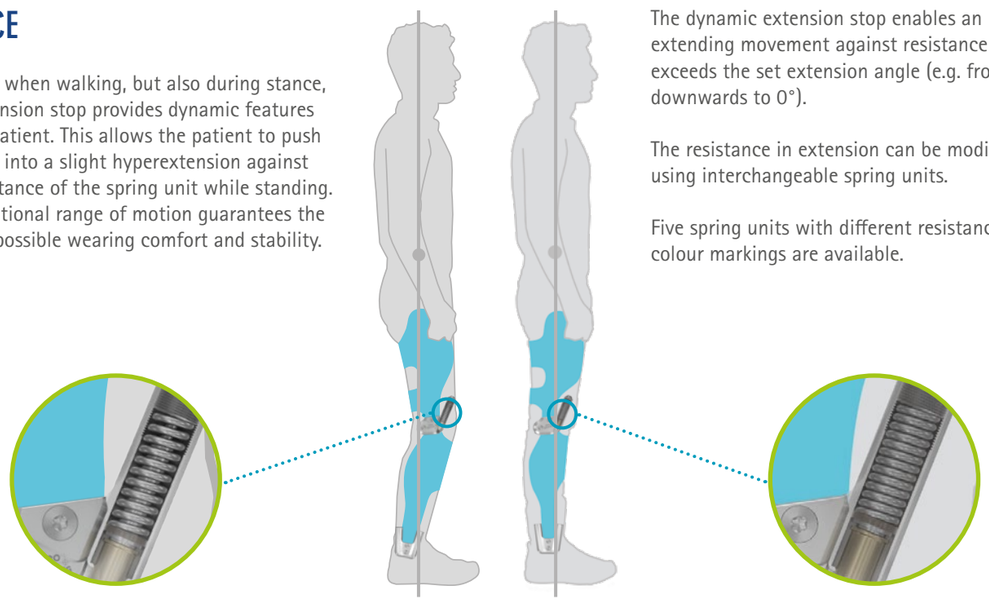
Through an integrated posterior offset, they provide a secure stance.

With both system knee joints, the bumping noises are minimised using extension stop dampers.

Dynamic Extension Stop with NEURO VARIO-SWING

STANCE

Not only when walking, but also during stance, this extension stop provides dynamic features for the patient. This allows the patient to push the knee into a slight hyperextension against the resistance of the spring unit while standing. This additional range of motion guarantees the highest possible wearing comfort and stability.



The dynamic extension stop enables an extending movement against resistance which exceeds the set extension angle (e.g. from 5° downwards to 0°).

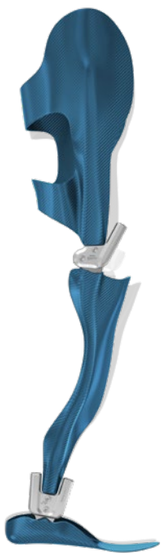
The resistance in extension can be modified by using interchangeable spring units.

Five spring units with different resistances and colour markings are available.

A spring unit with a green colour marking is pre-assembled in the system joint. The spring unit has a maximum range of motion of 9°. Such a range of motion usually supports a harmonious and physiological gait pattern best.

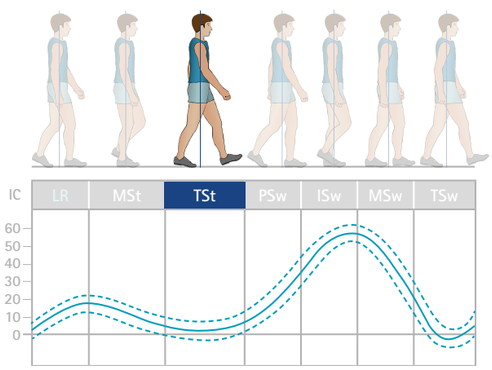
Depending on the selected spring unit, the maximum range of motion of the spring's range is between 3° and 9°. The range of motion of the spring's range of the dynamic extension stop can be infinitely limited to 0° by using the motion limiting screw.

The graphic on the right shows the physiological knee flexion in terminal stance (TSt) in a range from approx. -3° to approx. 10°.



WALKING

When walking, the dynamic extension stop enables complete knee extension, which is physiological for many patients between **mid stance** and **terminal stance**.
The transmission of the stop impacts to the patient leg is dampened by the dynamic extension stop.



plug+go
MODULARITY

Use the Orthosis Configurator to independently assemble the system components for a KAFO with NEURO VARIO 2 or NEURO VARIO-SWING system knee joint as an ideal supplement to a system ankle joint with infinitely adjustable static or dynamic dorsalflexion stop. The Orthosis Configurator determines the appropriate system components using patient data and taking the load capacity into account.

Orthosis Configurator

www.orthosis-configurator.com

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