

NEURO SPRING into NEURO CLASSIC-SWING Conversion of the System Ankle Joints

This online tutorial describes the conversion of a NEURO SPRING into a NEURO CLASSIC-SWING system ankle joint. The NEURO SPRING is a system ankle joint with dorsiflexion assist. You can convert it into a NEURO CLASSIC-SWING system ankle joint in order to have a joint with increased dorsiflexion assist and dynamic plantar flexion stop.

You will find more information about the system ankle joints in the manual of the NEURO SPRING and in the manual of the NEURO CLASSIC-SWING.

In addition, you can find the online tutorial about the joint assembly of the NEURO SWING system ankle joint here.

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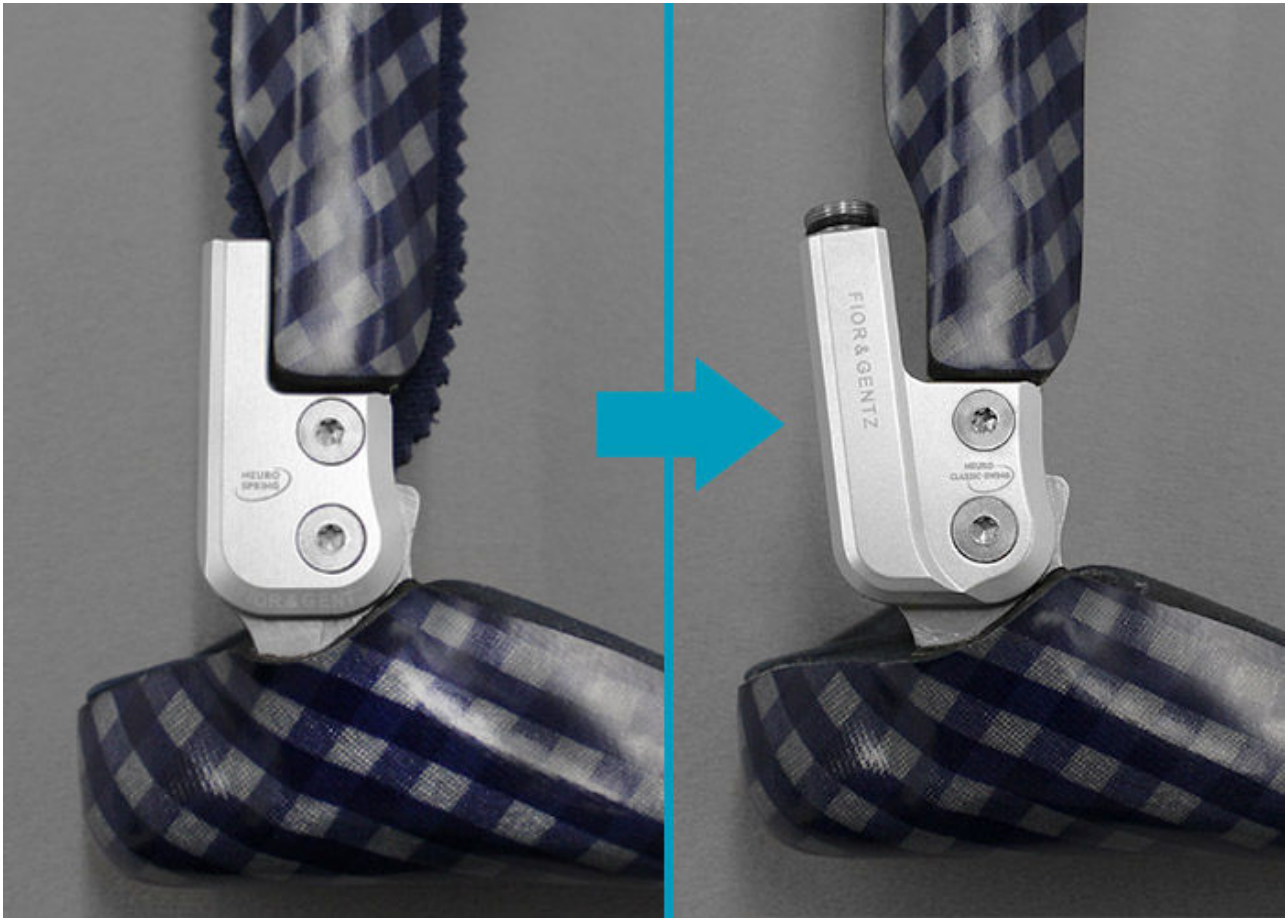
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The NEURO SPRING is a system ankle joint with dorsiflexion assist which you can convert into a NEURO CLASSIC-SWING with **increased dorsiflexion assist** and **dynamic plantar flexion stop** in only a few steps.

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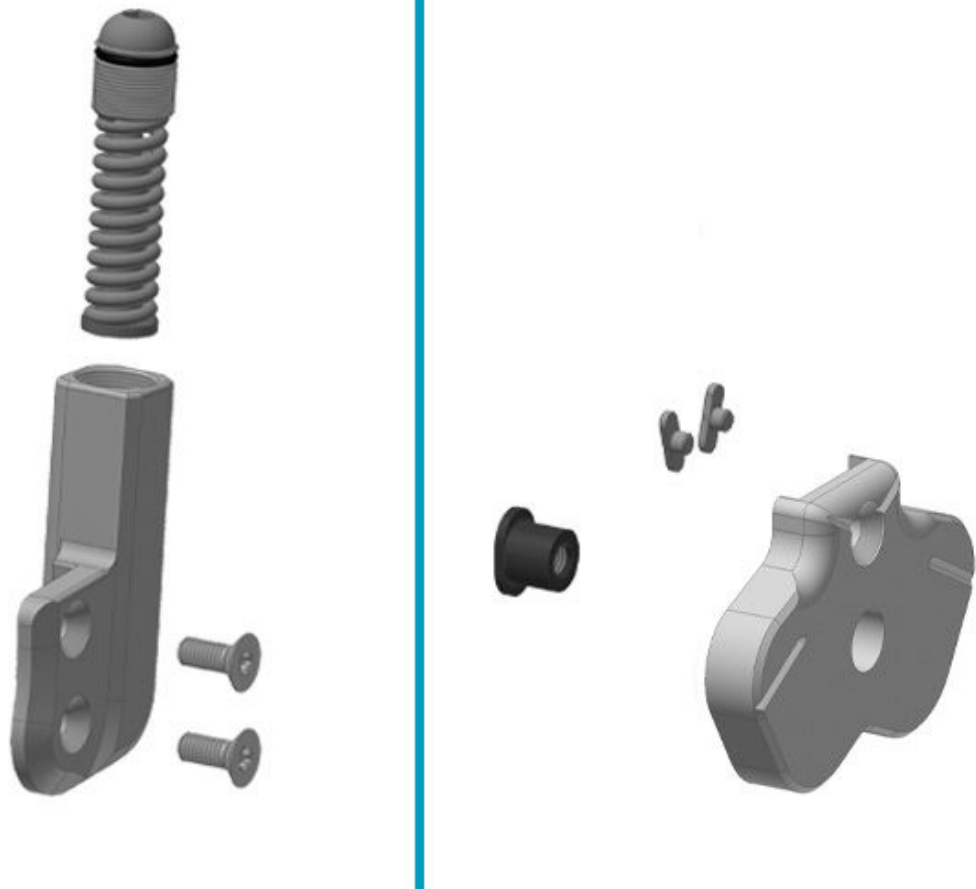
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To do so, you need the **functional unit** of the NEURO CLASSIC-SWING system ankle joint, consisting of:

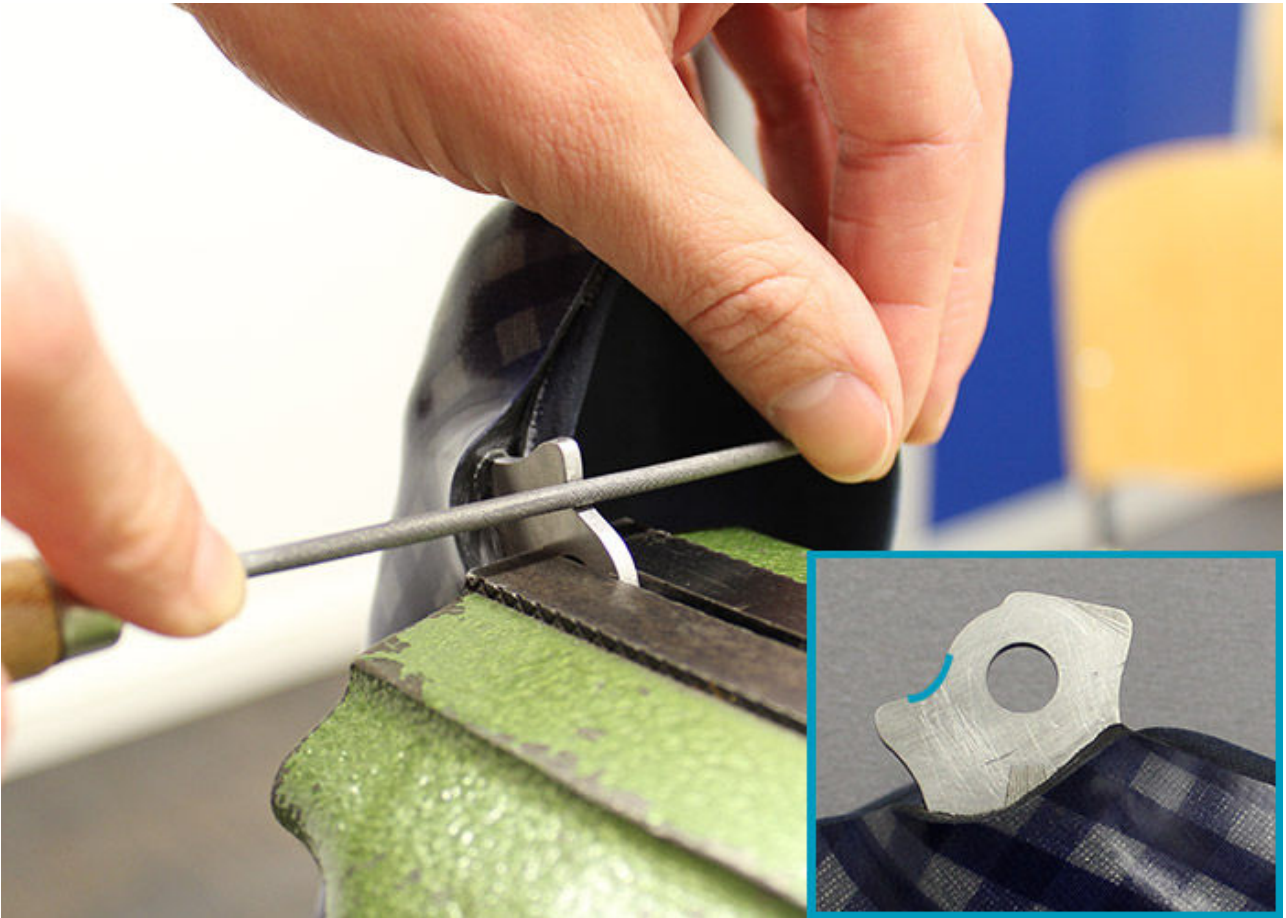
- the cover plate;
- the screw unit and
- the countersunk flat head screws.

And **the set for converting to plug + go modularity**, consisting of:

- the bearing nut;
- two feather keys with pin and
- the outer assembly/lamination dummy.

Note: Mind the corresponding system width!

Step 3/4



Grind the system stirrup with a round file up to the laser line.

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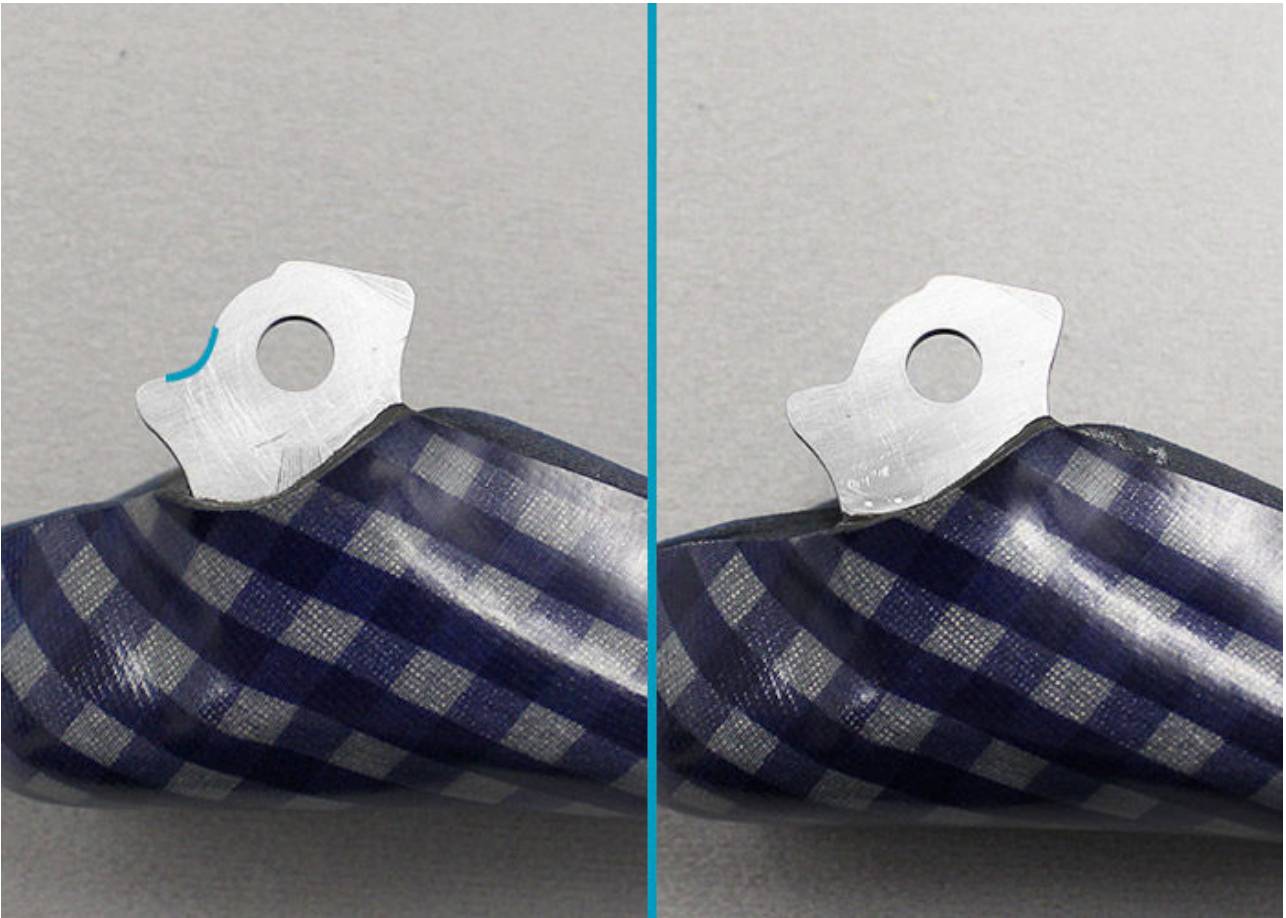
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Step 4/4



After having ground the part marked with a line, the system stirrup looks as shown on the right picture.
Note: Make sure not to create any predetermined breaking points when grinding

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Step 1/4



Mount the system joint as described in the Joint Assembly NEURO SWING. In order to press in the feather keys with pin, please note the corresponding online tutorial. The spring unit is not mounted in this step.

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Bring the system joint in plantar flexion and check if the cover plate fits well in the laminate. Adapt the laminate, if necessary.

Step 3/4



Also check if the back of the cover plate fits well and adapt the laminate, if necessary.

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Insert the spring unit as described in the Joint Assembly NEURO SWING and do not turn it in further than up to the system stirrup.

If the dorsiflexion stop has been removed, turn in the spring unit until the angle of the lower leg to the ground is correct in the shoe while holding the orthosis against the spring force.

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