

## Maintenance Modular System Ankle Joints

The modular system ankle joints have to be checked for wear and functionality every six months during maintenance. Here, we give you a detailed overview of the work steps to be taken at every maintenance using the NEURO SWING system ankle joint as an example.

You will find further information on the system ankle joint in the [instructions for use](#).

Furthermore, you can find the online tutorial for the joint assembly of the modular system ankle joints [here](#).

### FIOR & GENTZ

Gesellschaft für Entwicklung und Vertrieb  
von orthopädietechnischen Systemen mbH

Dorette-von-Stern-Straße 5  
21337 Lüneburg

☎ +49 4131 24445-0  
☎ +49 4131 24445-57

✉ info@fior-gentz.de  
🌐 www.fior-gentz.de



**FIOR & GENTZ**

Gesellschaft für Entwicklung und Vertrieb  
von orthopädietechnischen Systemen mbH

Dorette-von-Stern-Straße 5  
21337 Lüneburg

☎ +49 4131 24445-0  
☎ +49 4131 24445-57

✉ info@fior-gentz.de  
🌐 www.fior-gentz.de





You can find information on system components that have to be checked particularly carefully during maintenance in the instructions for use under “Maintenance”.



Demount the spring units in order to examine it. Check if the system joint moves without lateral play.

**FIOR & GENTZ**

Gesellschaft für Entwicklung und Vertrieb  
von orthopädietechnischen Systemen mbH

Dorette-von-Stern-Straße 5  
21337 Lüneburg

☎ +49 4131 24445-0  
☎ +49 4131 24445-57

✉ info@fior-gentz.de  
🌐 www.fior-gentz.de





Hold the tibial shell and try to move the foot shell in pronation-supination direction. If there is lateral play, this can indicate loosened screws and/or worn out sliding washers.

**FIOR & GENTZ**

Gesellschaft für Entwicklung und Vertrieb  
von orthopädietechnischen Systemen mbH

Dorette-von-Stern-Straße 5  
21337 Lüneburg

☎ +49 4131 24445-0  
☎ +49 4131 24445-57

✉ info@fior-gentz.de  
🌐 www.fior-gentz.de





Check if there is play around the axis. If there is play, the bearing nut and the repair bushing should be replaced or inserted if necessary.

**FIOR & GENTZ**

Gesellschaft für Entwicklung und Vertrieb  
von orthopädietechnischen Systemen mbH

Dorette-von-Stern-Straße 5  
21337 Lüneburg

☎ +49 4131 24445-0  
☎ +49 4131 24445-57

✉ info@fior-gentz.de  
🌐 www.fior-gentz.de







Check if the system joint moves freely. Bring the system joint in plantar flexion/dorsiflexion. If the system joint does not move freely, mount the next thinner sliding washer or clean the system joint thoroughly.

*Note: At a bilateral orthosis, only check one system joint at a time.*

**FIOR & GENTZ**

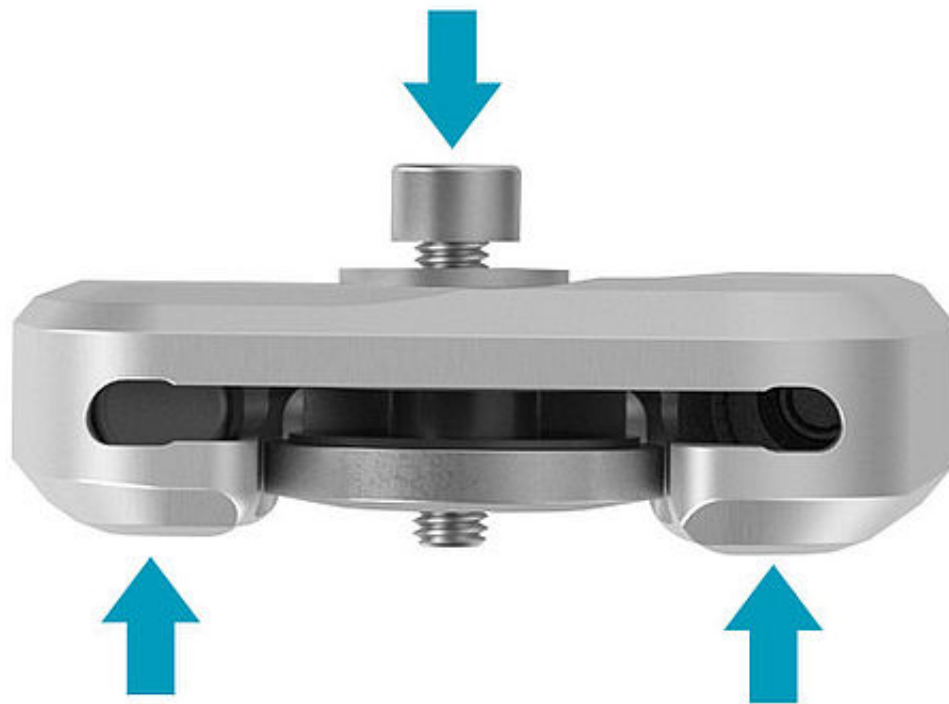
Gesellschaft für Entwicklung und Vertrieb  
von orthopädietechnischen Systemen mbH

Dorette-von-Stern-Straße 5  
21337 Lüneburg

☎ +49 4131 24445-0  
☎ +49 4131 24445-57

✉ info@fior-gentz.de  
🌐 www.fior-gentz.de





Disassemble the system joint completely.

Unscrew both countersunk flat head screws. Place the washer on the cover plate and screw the pressing screw into the thread of the first screw. The pressing screw must not be screwed in completely.

Push the joint's upper part and the cover plate apart by exerting force on them (arrows). For this purpose, use a vice or perform controlled knocks.

Remove pressing screw and washer.

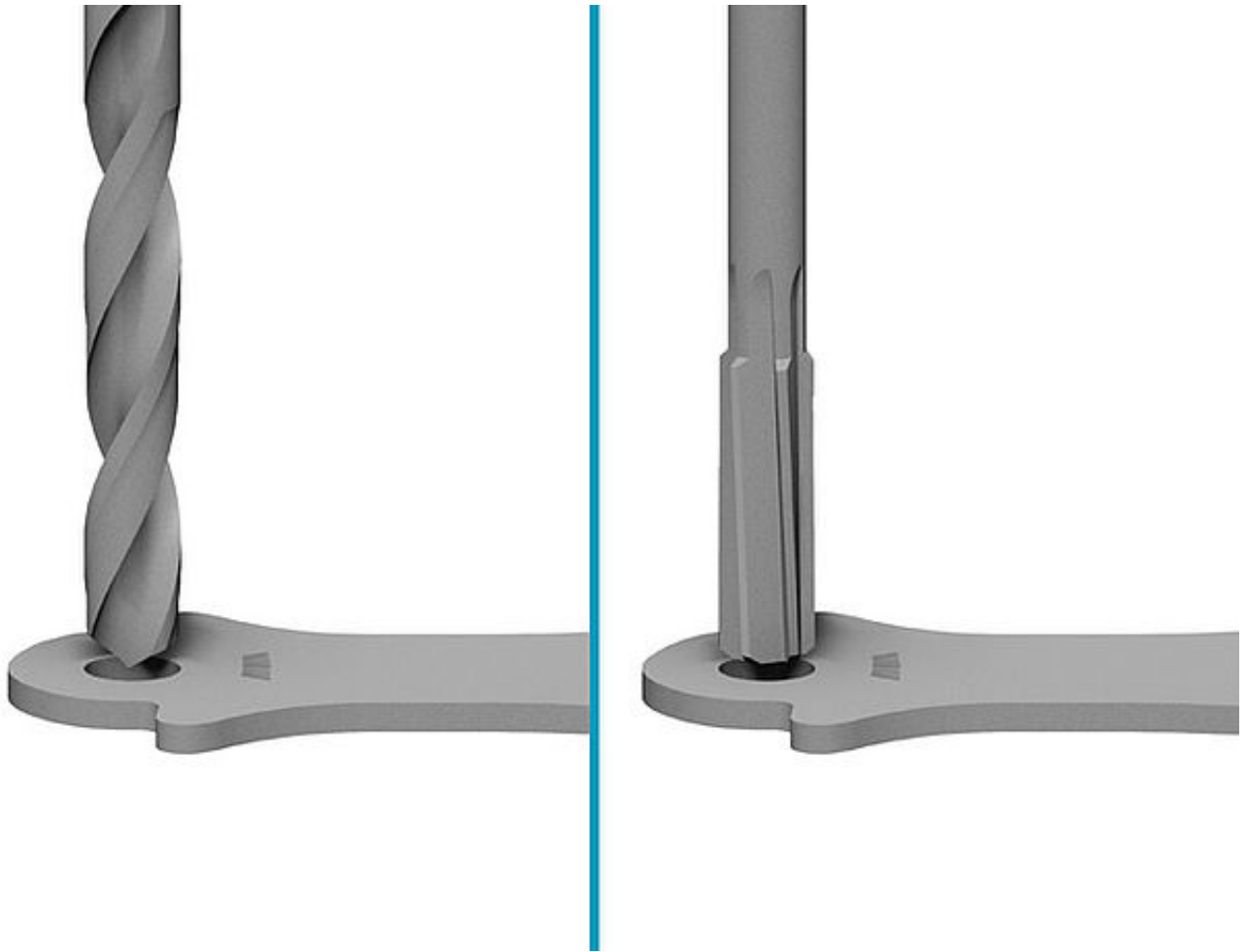
Clean all component parts and check them carefully.





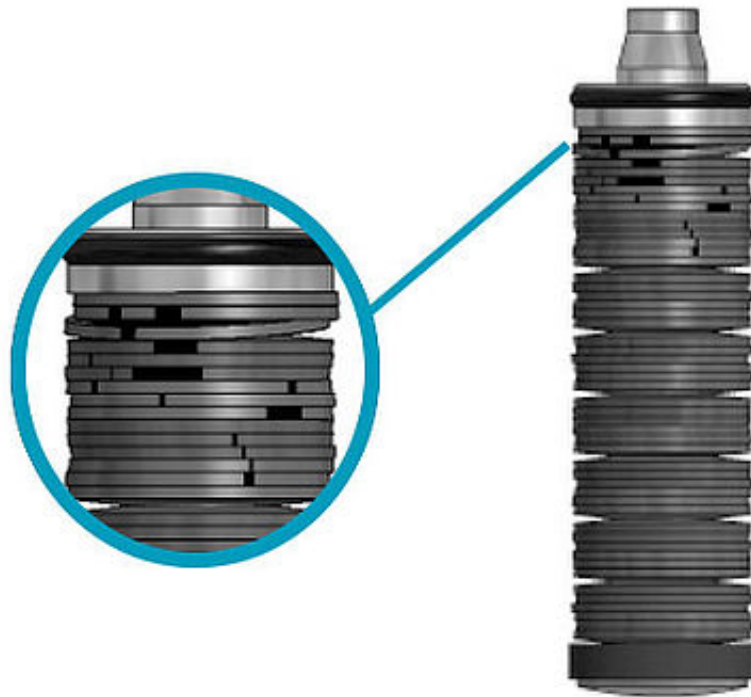
- damaged sliding washer
- worn out bearing nut
- worn out screw

Exchange the sliding washer, the bearing nut and the screw for new component parts when they are worn out.



- worn out axle bore in the system stirrup

Bore and ream the axle bore if it is worn out and insert a repair bushing.



- worn out spring units

Particularly check the disc springs for wear. If you should notice e.g. a breakage, you must exchange the entire spring unit!

If the disc springs have shifted, they don't have to be replaced. Realign shifted disc springs with pliers in order to increase the useful life of the spring units.

Replace the pressure springs if they are damaged.





Check the spring unit's O-ring and the O-ring of the alignment screw. Replace the O-rings if they are worn out.

**FIOR & GENTZ**

Gesellschaft für Entwicklung und Vertrieb  
von orthopädietechnischen Systemen mbH

Dorette-von-Stern-Straße 5  
21337 Lüneburg

☎ +49 4131 24445-0  
☎ +49 4131 24445-57

✉ info@fior-gentz.de  
🌐 www.fior-gentz.de





Note the online tutorial for the joint assembly of the modular system ankle joints in order to reassemble the system joint.

**FIOR & GENTZ**

Gesellschaft für Entwicklung und Vertrieb  
von orthopädietechnischen Systemen mbH

Dorette-von-Stern-Straße 5  
21337 Lüneburg

☎ +49 4131 24445-0  
☎ +49 4131 24445-57

✉ info@fior-gentz.de  
🌐 www.fior-gentz.de



## FIOR & GENTZ

Gesellschaft für Entwicklung und Vertrieb von orthopädiotechnischen Systemen mbH

Dorette-von-Stern-Straße 5  
D-21337 Lüneburg

Tel.: [+49 4131 24445-0](tel:+494131244450)  
Fax: [+49 4131 24445-57](tel:+4941312444557)  
E-Mail: [info\(at\)fior-gentz.de](mailto:info(at)fior-gentz.de)

### Beratung und Technischer Support

[Verkauf im Innendienst](#)

[Verkauf im Außendienst](#)

[Technischer Support](#)

[Export](#)



#### FIOR & GENTZ

Gesellschaft für Entwicklung und Vertrieb  
von orthopädiotechnischen Systemen mbH

Dorette-von-Stern-Straße 5  
21337 Lüneburg

☎ [+49 4131 24445-0](tel:+494131244450)  
☎ [+49 4131 24445-57](tel:+4941312444557)

✉ [info@fior-gentz.de](mailto:info@fior-gentz.de)  
🌐 [www.fior-gentz.de](http://www.fior-gentz.de)



