

## NEURO TRONIC into NEURO MATIC

This online tutorial describes the conversion of a NEURO TRONIC into a NEURO MATIC system knee joint.

In the course of a treatment with an orthosis, patient-specific requirements regarding the orthosis, and thus the system joint, may change. Through a conversion from a NEURO TRONIC into a NEURO MATIC system knee joint, you can react to these changed requirements in a timely manner.

You will find further information about the system knee joints in the instructions for use of the [NEURO TRONIC](#) and of the [NEURO MATIC](#).

In addition, you can find information concerning the placement of lamination dummies and the specifics of reinforcement in the online tutorial [Special Work Steps when Producing a KAFO with a NEURO TRONIC](#).

The NEURO TRONIC system knee joint is an automatic, electromechanical system knee joint for the production of an orthosis with microprocessor-controlled stance phase control. In order to convert it into the automatic, mechanical system knee joint NEURO MATIC, for the production of an orthosis with stance phase control, take the following into account:

1. For a conversion into a NEURO MATIC system knee joint being possible, you already need to use the respective lamination dummies when producing the orthosis. Regard the online tutorial [Special Work Steps when Producing a KAFO with a NEURO MATIC](#). This enables a successful treatment and a visually appealing orthosis.
2. You need:
  - a. the NEURO MATIC functional unit in the corresponding system width,
  - b. the cable cover conduit made of plastic and the cable cover with inner tube,
  - c. the adaptor screw for the respective system ankle joint,
  - d. the instructions for use for the NEURO MATIC system knee joint,
  - e. the instructions for use NEURO MATIC for patients.

Check the system ankle joint's compatibility with the NEURO MATIC. If it should not be compatible, you can commonly convert it into a suited system joint.

3. Demount the NEURO TRONIC system knee joint including the controller and connection cable.
4. While converting, please note the steps of the [assembly](#) for the NEURO MATIC system knee joint. Follow the directions on the adjustment options of the system joint.
5. Make sure that the patient can use the orthosis and explain the particularities of the system joint. The locking/unlocking mechanism in Auto Mode must be clear to the patient.