

Qualität und Funktion

Gebrauchsanweisung
Instruction Manual



JT01 - JT03
Monocentric Knee Joint
with Locking

Rev. 3-2022-1_JT01-JT03_101741



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Please read the IFU carefully before fitting. Only correct usage will warrant the function.

1. Intended Use

The knee joints are the connection between a prosthetic socket and a modular prosthetic limb prosthesis with monocentric knee function.

2. Technical data

- material: Aluminum (JT01, JT03)
Steel (JT02)
Titanium (JT02)
- have a locking mechanism to prevent unintended flexion
- locking mechanism can be released manually with the lanyard handle (e.g. when sitting down)
- rear-shifted axis
- connection proximal: pyramid
- connection distal: JT01, JT03: 30 mm pipe connection
JT02: pyramide
- max. weight : JT01: < 85 kg
JT02-St: < 125 kg
JT02-Ti: < 100 kg
JT03: <100 kg
- mobility level: 1

REF

Order-No.	Material	Installation heigh (above the axis / center of rotation)	Weight	Flexion angle	Article No.
JT01	Aluminum	20 mm / 42 mm	295 g	140°	4 124 000 00 00 000
JT02-St	Steel	24 mm / 80 mm	560 g	120°	4 126 000 00 22 000
JT02-Ti	Titanium	24 mm / 80 mm	405 g	120°	4 126 000 00 33 000
JT03	Aluminium	35 mm / 56 mm	295 g	150°	4 127 000 00 00 000

2.1 Service Parts for JT01 and JT02

Order-No.	Description	For Knee joint	Article No.
E-JT01-01	Knee cap JT01	JT01	4 124 009 01 00 000
E-JT01-02	Holding device (O-Ring)	JT01	4 124 009 02 00 000
E-JT01-03	Extension stop, per unit	JT01	4 124 009 09 00 000
E-JT01-04	Lock handle, complete	JT01, JT02	4 123 009 01 00 000
E-JT01-05	Cable Clamp	JT01, JT02	4 124 009 11 00 000
E-JT01-06	Threaded fitting, short	JT01, JT02	4 124 009 12 00 000
E-JT02-01	Knee cap JT02	JT02	4 126 009 01 00 000
E-JT02-02	Spring guide housing	JT02	4 126 009 04 00 000
E-JT02-03	Spring	JT02	4 126 009 10 00 000
E-JT02-04	Cap screw M4x8	JT02	4 126 009 12 00 000

2.2 Service Parts for JT03

Order-No.	Description	For Knee joint	Article No.
E-JT03-01	Axis bearing	JT03	4 127 009 01 00 000
E-JT03-02	Knee lock cable	JT03	4 127 009 03 00 000
E-JT03-03	Clamp liner for lock	JT03	4 127 009 05 00 000
E-JT03-04	Clamp screw	JT03	4 127 009 07 00 000

3. Indication/ Contraindication

Indicationen:

- transfemoral amputation

Contraindicationen:

- not known

4. Side effects

There are no known side effects.

5. General safety instructions



- This medical device is designed for single patient, multiple use.
- Fitting/service of this medical device is only allowed by a certificated orthopedic professional.
- The professional should instruct the correct use of the device to the user.
- The joint must be protected against dust, moisture, aggressive media, and mechanical forces so its function is not affected.
- The joint is intended for use at temperatures from -10°C to 50°C.
- Do not longer use the knee joint if its function is impaired. This may be due to stiffness, restricted extension, noise generation, faulty swing phase control or stance phase safety, as well as impact from an external force (for example, if dropped). In such cases, it must be checked by a professional and, if necessary, sent to Uniprox GmbH & Co. KG.
- There is a risk of jamming when the joint is in use.
- The product must not be changed or applied in any improper way. Non-compliance can impair the function of the product and thus no liability will be accepted.
- The safety of the user is not guaranteed if the product is not used for its intended purpose. This will also terminate the warranty of the product.
- Joint components may heat up slightly during walking.
- Silicone spray should be used to prevent noises being generated by contact between the cosmetic foam and knee joint. Do not use Talcum powder as it removes lubricant from the bearings and may lead to impaired function as a result.

6. Installation

6.1 Alignment and Adjustment JT01

- The axis of rotation of the Modular Knee Joint JT01 is to position to the back by 10 to 20 mm with respect to the weight bearing line of the prosthesis.
- The Modular Knee Joint JT01 is already adjusted by the manufacturer, so it is ready to be installed.
- The stop screw (see in picture No. 1 on page 5) is secured with Loctite. A minor movement of the locking mechanism doesn't impair the functioning! The locking mechanism can be adjusted with the stop screw.

- Proceed as follows:
 - Loosen rubber ring (2) from the plastic cap (3), release locking and flex knee joint.
 - Adjust the movement with a 6 mm Allen wrench.
 - Turning to the right = more movement
 - Turning to the left = less movement

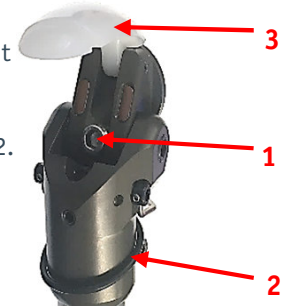


Attention!

After adjustment by the stop screw be sure, that the locking mechanism gets engaged and the joint is locked reliably.

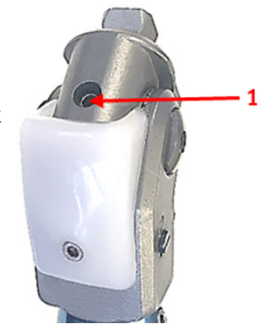


Secure head of the stop screw (1) with Loctite 222.



6.2 Alignment and Adjustment JT02

- The axis of rotation of the Modular Knee Joint JT02 is to position to the back by 10 to 15 mm with respect to the weight bearing line of the prosthesis.
- To adjust the locking function unlock and flex the knee joint until the set screw (1) becomes visible.
 - Turning to the right = reducing the hyperextension movement
 - Turning to the left = increasing the hyperextension movement



Reducing the hyperextension movement makes it more difficult for the lock to engage as well as to disengage.

Exchanging the Compression Spring

- Press the brass spring guide pin (1) downward using the flat blade of a screw driver, until the notch of the pin disengages from the axis pin (2)
- Re-Installation: Put the notch of the spring guide pin from below into the axis pin. Push the head of the spring guide housing with your thumb into the receptacle of the lower joint section.



Compensating for Mediolateral Movement

Remove the safety plate, tighten the axis nut (wrench size 17 mm) and secure by installing the safety plate afterwards.

6.3 Alignment and Adjustment JT03

- The axis of rotation of the Modular Knee Joint JT03 is to position to the back by 12 mm with respect to the weight bearing line of the prosthesis.
- The Modular Knee Joint JT03 is already adjusted by the manufacturer, so it is ready to be installed.
- In the locking position the knee joint JT03 has no movement. A later adjustment of the locking mechanism is not possible.

7. Maintenance and Cleaning

The function of the prosthetic knee joint must be checked at regular intervals of no more than 12 months.

In the case of intensive use, we recommend a review, if necessary at shorter intervals. Maintenance or repair must be carried out when necessary.



The monocentric knee joints can be cleaned with a mild cleanser and a damp (<math><30^{\circ}\text{C}</math>).

Do not use any aggressive cleansers.

8. CE- Conformity

The product satisfies the requirements of Regulation (EU) 2017/745 of the European Parliament and of the Council (MDR) and bears the CE mark. All major incidents related to the product needs to be informed to Uniprox and the competence European Authority.

9. Warranty and Guarantee

Depending on the degree of usage, the knee joints can generally be used for 5 years with regular maintenance.

Warranty is provided under the terms of sale and supply of Uniprox GmbH & Co. KG provided that the above conditions are met.

10. Storage and Disposal

This product has no special storage regulations.

The product is disposable with standard household garbage.

Please direct any questions to:

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