


Qualität und Funktion

Gebrauchsanweisung
Instruction Manual

JT05, JT09
Monocentric Knee Joint



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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

- Load-dependent brake for stance phase protection
- Spring extender to support the extension
- Rear-shifted axis
- Connection proximal: pyramid
- Connection distal: JT05 pyramid
JT09 34 mm tube connection
- Max. weight: JT05 100 kg
JT09 150 kg
- Mobility level: 1 und 2

REF

Order-No.	Material	Installation height (above the axis center of rotation)	Weight	Flexion angle	Article number
JT05-St	Steel	27 mm / 56 mm	530 g	170 °	4 130 010 00 22 000
JT05-Ti	Titanium	27 mm / 56 mm	355 g	170 °	4 130 010 00 33 000
JT09	Aluminum	26 mm / 117 mm	890 g	145 °	4 176 010 01 00 000

2.1 Service parts for JT05

Order-No.	Description	Article number
E-JT05-01	Brake Bushing for K5	4 130 009 01 00 000
E-JT05-02	Bushing Safety Device for K5	4 130 009 02 00 000
E-JT05-03	Axis Screw for K5	4 130 009 03 00 000
E-JT05-04	Extension Stop, distal for K5	4 130 009 04 00 000
E-JT05-05	Rubber bumper	4 130 009 05 00 000
E-JT05-06	Brass washer, small, 2 pieces	4 130 009 06 00 000
E-JT05-07	Swing axis holding device	4 130 009 07 00 000
E-JT05-08	Swing axis	4 130 009 08 00 000

Order-No.	Description	Article number
E-JT05-09	Brass washer, large, 2 pieces	4 130 009 09 00 000
E-JT05-10	Extension stop, superior	4 130 009 10 00 000
E-JT05-11	Extension assist for JT05 complete	4 130 010 00 00 001
E-JT05-16	Extension assist cable, length 304 mm	4 130 019 05 00 000
E-JT05-17	Centering ring	4 130 009 12 00 001

2.2 Recommended attachment for JT09

A4-Ti400 Tube adapter 34 mm, length 400 mm

Order-No.	Material	Weight limit	Weight	Article number
A4-Ti400	Titanium	< 150 kg	435 g	4 113 050 34 33 400

A30 34 mm Clampfit to 30 mm tube

Order-No.	Material	Weight limit	Weight	Article number
A30	Aluminum	< 100 kg	91 g	4 610 070 00 00 008

3. Indication/ Contraindication

Indicationen:

- Transfemoral amputation

Contraindicationen:

- not known

4. Side effects

There are no known side effects.

5. General safety instructions



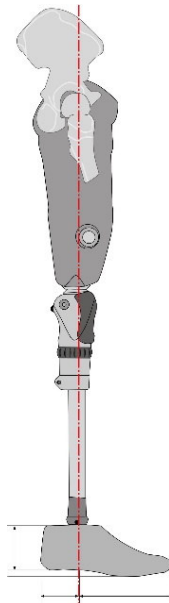
- This medical device is designed for single patient, multiple use.
- Fitting/service of this medical device is only allowed by a certificated orthopedic professional.
- The professional should instruct the correct use of the device to the user.
- The joint must be protected against dust, moisture, aggressive 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. Construction and assembly instructions

JT05 and JT09:

The starting point for a correct structure is the determination the individual load line and the transfer of forces to the components of the prosthesis according to the assembly guidelines shown (see graphic). The knee axis is 15 mm behind the assembly reference line and the foot part in the middle third of the foot.



JT09:

The 34 mm tube clamp of the JT09 must be secured with Loctite® 222 and tightened with a 4 mm hex wrench. The torque is 6 Nm.

Adjustment of Swing and Stand Phase

The modular stance control knee joint is delivered with optimal setting. Stance and swing phase can be controlled by adjusting the extension assist, the friction and the weight controlled locking mechanism.

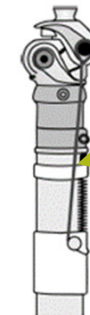


Strictly follow the instructions below before changing the preset adjustments.

6.1 Setting the swing phase control of the feeder

JT05: Adjust the tension of the advancing springs by turning the setscrew.

- Use a 4 mm allen key.
- Turn to the right: increase tension
- Turning to the left: decrease tension



Please notice that the linkage has to be mounted correctly.

JT09: The tension of the integrated spring feeder can be adjusted by turning the adjusting wheel.

- Turn to the right: decrease flexion resistance
- Turn to the left: increase flexion resistance



6.2 Adjusting the joint mobility by adjusting the axial friction

JT05 and JT09:

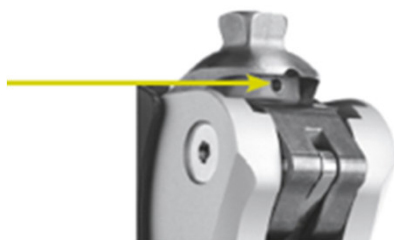
The resistance to movement between the knee axis and the brake socket can be changed with the threaded pin on the back of the joint head and must be done carefully.

- Use a 3 mm allen key.
- Turning to the right: movement harder
- Turning to the left: movement easier

Even with a slight rotation of 15-20 ° noticeable changes are achieved. Setting it too smoothly can lead to noise and premature wear. If the setting is too tight, the braking effect occurs even when there is no load and there is a risk of falling.



Please readjust the friction of the axis after 6-8 weeks.



6.3 Regulating the load-dependent braking effect

The brake response threshold can be regulated using the adjusting screw on the flexed joint. In order to be able to understand the setting optimally, the Provide the adjusting screw and the joint with a scale.

- Use a 4 mm Allen key.
- Turning to the right: joint brakes less
- Turning to the left: the joint brakes harder



7. Maintenance and Cleaning

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

For very active users, we recommend carrying out inspections at shorter intervals. Maintenance or repair must be carried out when necessary.



The knee joints can be cleaned with a mild cleanser and a damp cloth at >30°C.

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 an 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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