

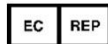
Quality and Function

Instruction Manual

***JT40
Dolphin Monocentric Knee
Joint with Hydraulics***



Imasen Engineering Corporation
3-1-8 Techno Plaza Kakamigahara,
Gifu, 509-0109 Japan



MedNet EC-REP GmbH
Borkstrasse 10,
48163 Münster, Germany



Distributed by:

Uniprox GmbH & Co.KG, H.-Heine-Str.4, 07937 Zeulenroda-Triebes

Ein Unternehmen der Bauerfeind Gruppe - www.uniprox.de

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unique prosthetic solutions
A company of the Bauerfeind Group

 **uniprox**[®]



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

1. Intended Use

The knee joint JT40 is only suitable for prosthetic care of the lower extremities. The JT40 contains an effective hydraulic swing phase control. The back shifted pivot point ensures the safety in the stance phase. The knee joint is intended for Mobility level 3 and 4 and is limited to a body weight of max 100 kg.



Additional loads and patient activities must be taken into account when calculating the load.

2. Technical Data



Order No.	Material	Installation height	Weight	Flexion angle	Article No.
JT40	Aluminum	140 mm	496 g	170°	4 610 070 00 00 000

Proximal connection: pyramid

Distal connection: 30 mm Tube clamp

3. Indications/ Contraindications

Indications:

- Transfemoral amputation
- Knee disarticulation
- Hip disarticulation
- Congenital limb deficiency

Contraindications:

- The patient is over 100 kg (220 lbs) and/or mobility level 1-2
- The doctor decides the prescription of the product is inappropriate.

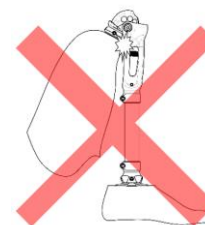
4. Side effects

There are no known side effects.

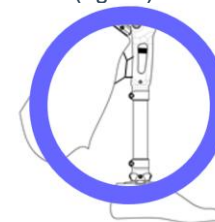
5. General Instructions



- 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.
- **Avoid loading onto the prosthetic knee joint in the maximum flexed position.**
- In case of maximum flexion, posterior part of the socket or other components may hit and damage the knee device and the socket (Fig. 1-a). If it is inevitable, make a new hitting point on the distal part of the knee to reduce moment force (Fig. 1-b).



< Fig. 1-a >



< Fig. 1-b >

- **When the knee joint is bent, never put hands around the device.**
- Insertion of fingers between knee components or the knee device and another prosthetic component could cause severe injury such as laceration or fracture.
- This instruction should be given to users as well.

6. Construction and assembly instructions

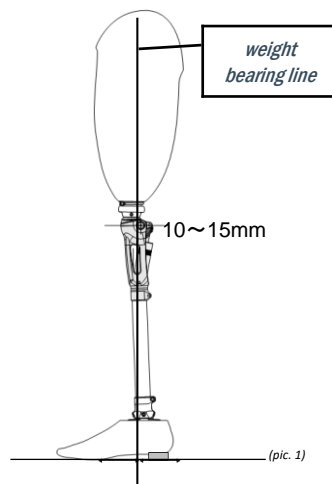
6.1 Static construction

The load line should run 10 – 15 mm before the middle of the knee joint axis. (pic. 1).

The screw of the tube clamp must be tightened with 8 Nm.

Note:

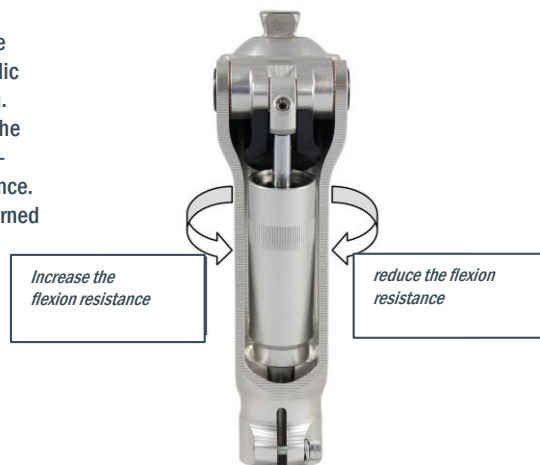
Make sure that the socket has no contact with the knee joint during the maximum flexion or otherwise protect them against damage.



6.2 Dynamic adjustment

6.2.1 Adjustment of the flexion

To change the flexion resistance of the hydraulic turn the hydraulic cylinder in the desired direction. The turning clockwise reduces the resistance; the turning counter-clockwise increases the resistance. The hydraulic cylinder can be turned maximal 2 full turns.



6.2.2 Adjustment of the extension resistance

The adjustment of the extension resistance is made over the socket screw, on the top suspending of the piston rod which is on the backside of the knee joint, with a 2 mm-Allen key. The turning clockwise increases the extension resistance, unscrewing counterclockwise reduces the extension resistance.



7. Cleaning and maintenance instructions

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



The JT40 can be cleaned with compressed-air (2bar). Do not use any aggressive cleaner.

In case of failure please send the knee joint to our Uniprox customer service for inspection and repair.

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/or Imasen Engineering Corporation as well as to 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 as stated in the terms of sale and supply (T&C) 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:

Customer Service: + 49 (0) 36628-66-33 70
Fax: + 49 (0) 36628-66-33 77
E-mail: export@uniprox.de