



USMC X4

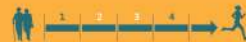
Instructions for USMC X4 Prosthetic
Knee Joint



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Easy Guide

- Installation instructions

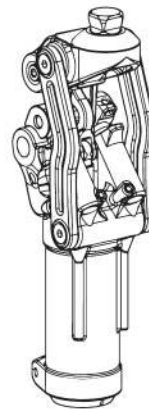
- Product Characteristics

- Technical data

- Adjustment

- Attention

Installation instructions



1. Assembly instructions

All the components are assembled by the combination of screw and screw cap, so you only need to fit the components in a proper place and then fixed the screws.

2. Joint adjustment

There are two adjustment screws for you to increase or decrease the sensitivity and stretching speed of knee joints according to various category

Product Characteristics

- The EBS function means prosthetic knee operation safety in varied flexion angles. It provides 0-15 degree flexion shock absorption for the prosthetic knee joint when walking in order to make the gait cycle more comfort and graceful for the patients. The unique double EBS function help achieve easy and smooth down slope walking in sophisticated road conditions and eliminate the ground shocking to the residual limbs, making the walking more comfortable;

- Incorporates a unique knee joint locking function imitating the human knee joint to ensure that the prosthetic knee operates safely in heel strike phase and stance phase like a human knee. In take-off phase, the prosthetic knee can imitate the human knee function to unlock the knee joint and walk easily and naturally with knee flexion.

- Longer, heavy-duty dual-cylinder design capable of individual adjustment to extension damping and flexion damping according to a specific user's condition to minimize the physical energy consumption, improve the gait and increase the walking ability for the patients.

- Multi-axial knee joint design to achieve balanced load break for the rotary bearing in the stance phase and substantial increase in service life of the knee joint body.

- Differentiated full-sealed needle bearing knee joint design that differs from the conventional ball bearing or bushing design currently available on the market.

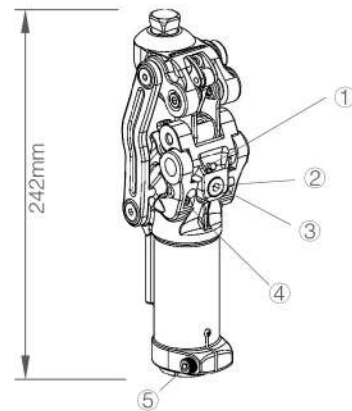
- Applicable to weight limit of 136 kg, especially for the amputees of larger body weight and/or higher labor intensity;

- Wide flexion angle design providing more convenience for the users.

Technical data

Name	X4
Material	Alloy light aviation
Weight	999g
Amputation level	Above knee
Maximum	136kg
Mobility class	(II) and III
Bending angle	145°
Axes	Polycentric

Adjustment



- ① Lock screw
- ② ADJ. screw
- ③ Flexion control screw
- ④ Extension control screw
- ⑤ Pylon clamp screw

Attention

- 1) Wear them according to the standard rehabilitation instruction. Do not change the way you wear them.
- 2) Change the inner sock or cover daily. (Hosiery is recommended for hand washing and natural drying)
- 3) The prosthetic socket and soft sleeve shall be wiped every two days. (With water or diluted phisoderm)
- 4) It is recommended to take the prosthesis off after 4 hours, and rest for 10 minutes (depending on the individual's condition), massage and moderate pat on the stump is beneficial.
- 5) You need to prepare two more thin socks or covers when working or going out for traveling (Change the dry sock immediately when the socks are sweaty)

- 6) Take off the prosthetic feet, shoes and socks every night so that the prosthetic foot will be free and breathable, which can extend the life of the prosthetic foot.
- 7) If there are more than two days of domestic and foreign travel, you need to return your prosthesis to the assembly clinic for adjustment and maintenance in advance to confirm safety.
- 8) The prosthesis shall be returned to the assembly clinic for maintenance each year.
- 9) Keep dry and away from water when in use. If the prosthesis is touched with water, remove and dry it as soon as possible.
- 10) If any discomfort, please kindly contact with your clinic.