

**INSTRUCTIONS FOR USE**

**IFU CODE: 18**

**IB-ER**  
**PROSTHETIC**



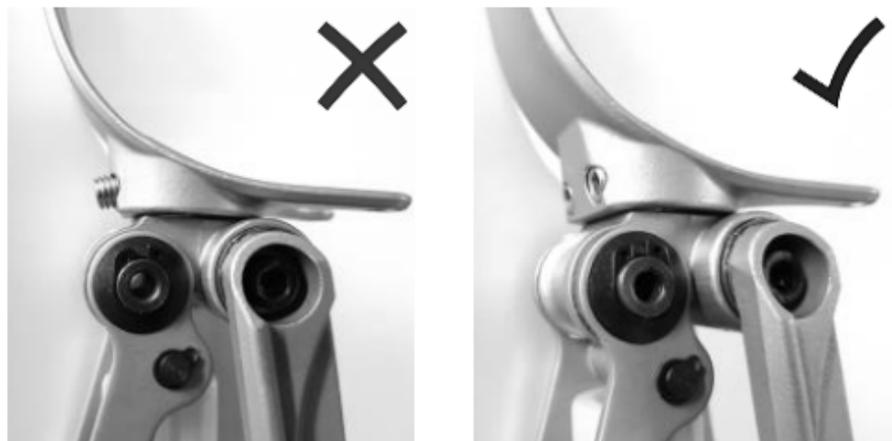
**Disarticulation Knee**

**E 45**

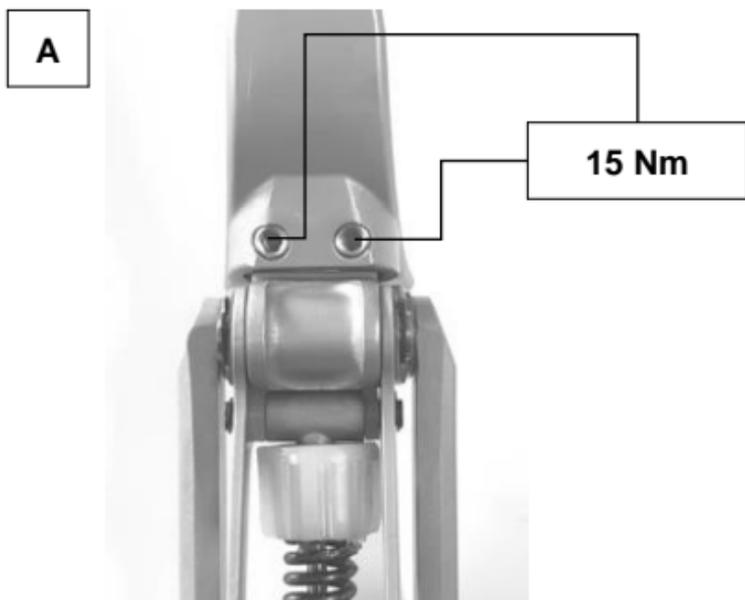
**E 46**

**CE**

**Fig. 1 (E 45 – E 46s) Set screw must be properly tightened**



**Fig. 2 (E 45 – E 46s) Set screw torque value**



**Fig. 3 (E 45) Adjustment during dynamic trial fitting**

**B.**Increasing the  
spring tension



**C.** Reducing the  
spring tension



**Fig. 4 (E 45 – E 46s) Adjustment of axle friction**

**D.**Increasing the  
axle friction



**E.**Decrease the  
axle friction



## INFORMATION

Last Update: 01-02-2023



- Please read this document carefully before using the product.
- Instruct the user in the appropriate and safe use of the product.
- Follow the safety instructions to abstain injuries and damage to the product.
- Please keep this document in a safe place.

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# 1. E 45

## *Disarticulation Knee*

For knee disarticulation amputees.

Medium stance phase stability.

Medium swing phase control.

Polycentric.

Axial friction and the extension support spring are both adjustable.



### 1.1 Features

Code	Material	Weight	Weight Limit
E 45s	Stainless Steel	900 gr	100 Kg
E 45T	Titanium	660 gr	

### 1.2 Adjusting the Swing Phase with Axis Friction Settings

Fix the lock nut by using the attached wrench.

Turn the cap screw with a hex head wrench.

- Turning screw clockwise = Increase the axle friction (D)
- Turning screw counter-clockwise = Decrease the axle friction (E)

### 1.3 Setting Up the Extension Assist

The tension of the spring can be increased or decreased with the help of the handle shown in B and C.

Only adapt the settings to the patient by stages.

#### **CAUTION!**



Incorrect or unfamiliar settings may cause the patient to fall. Explain the consequence of the settings on the use of the prosthesis to the patient.

- Increasing the spring tension (B)
- Reducing the spring tension (C)

At the beginning of the swing phase, the lower leg of the prosthesis must not swing through too far in the dorsal direction.

## 2. E 46s

### *Disarticulation Knee W/Manual Lock*

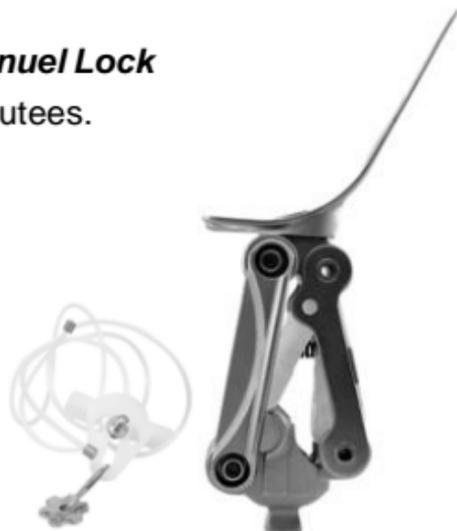
For knee disarticulation amputees.

Axial friction is adjustable.

High stance phase stability.

No swing phase control.

Polycentric.



### 2.1 Features

Code	Material	Weight	Weight Limit
E 46s	Stainless Steel	900 gr	100 Kg

### 2.2 Adjusting the Swing Phase with Axis Friction Settings

Please fix the lock nut by using the attached wrench.

Turn the cap screw with a hex head wrench.

- Turning screw clockwise = Increase the axle friction (D)
- Turning screw counter-clockwise = Decrease the axle friction (E)

### 3. Assembly

Set screws should be tightened properly as shown in (Fig. 1). Tighten set screws (A) using torque wrench.

Torque value: **15 Nm**



#### **ATTENTION!**

Secure screw thread with medium strength adhesive.

### 4. Environmental Conditions

<b>Acceptable Environmental Conditions</b>
Temperature use range: -10 °C to +45°C
Humidity: Allowable relative humidity 20% to 90%, non-condensing

<b>Unsuitable Environmental Conditions</b>
Fresh Water, salt water, sweat, urine, acids e.g.
Sand, dust, highly hygroscopic particles (e.g., talcum)
Mechanical vibrations, impacts
Cleaning agents containing solvents

### 5. Service Life

The service life of the product is about 3 years. This duration depends on the daily activity of the user.

## 6. General Safety Instructions

### CAUTION!



To avoid the risk of injury and product damage, do not use for longer than the service life of the product.

The suitability of the device to the patient and the prosthesis should be evaluated by a healthcare professional.

The device must be fitted and adjusted by a healthcare professional.

There is a danger of pinching and injuring your finger or skin.

Do not insert your hand into the joint mechanism!

Avoid using this product in unsuitable environmental conditions. If the product has been exposed to unsuitable environmental conditions, check for damage.

Do not use the product that is damaged, has limited functionality or is in doubtful condition. Ensuring that appropriate measures are taken (e.g. control, cleaning, repair, replacement by the authorized workshop or manufacturer).

To prevent mechanical damage, be careful and caution when working the product.

Use the product for a single patient to avoid injuries and product damage.

Products should be used in appropriate combinations. Using the product with unsuitable combinations may result in possible injury.

In case of feeling any space or sound, apply the rehabilitation center who installed the foot.

## 7. Maintenance

1. After the first 30 days of use, the prosthesis parts should be visually inspected and function checked.
2. Inspect the entire prosthesis for wear during normal consultations.
3. This prosthesis and components should be checked for its functions at least once a year with regular intervals by a prosthesis specialist. There is no risk if suggestions are followed by properly.

## 8. Warranty

IB-ER company provides the warranty for the products in case of material and production flaws. Warranty duration for the above-mentioned products are individually mentioned at below.

<b>Product</b>	<b>Duration After The IB-ER Invoice Date</b>
E 45s	12 Months
E 45T	
E 46s	

This warranty covers on only replacement and repair of failed products after assemblies performed by qualified individuals and competent institutions. This warranty is not applicable in case of following points:

- Improper use of the product, using with unsuitable conditions and fault assembly.
- Issues arising from replacement of our products with other products.



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