

Liko™ AmputeeSling, Mod. 70

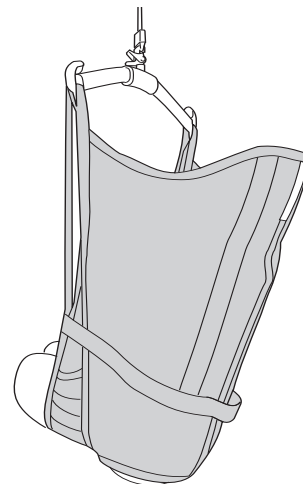
Liko™ Amputee HighBack Sling, Mod. 75



Instruction Guide



Mod. 70



Mod. 75

Product Description

Liko AmputeeSling is a safe, easy-to-use sling that has been specially designed as an aid to lifting patients with high double-sided leg amputations. It is also recommended to use AmputeeSling for patients who are not amputees, but who tend to slide out of similar types of slings. AmputeeSling may be appropriate for other patients, such as single-sided amputees.

The leg supports are normally overlapped under both thighs. The guide loops on the side of the sling assure correct positioning of the leg supports and help to prevent the opening for the seat from widening, thus providing added security during lifting. The arms are held inside the sling.

A correctly fitted and carefully applied AmputeeSling ensures a high degree of comfort and a feeling of security for the patient.

AmputeeSling Mod. 70 provides support for the entire back, all the way up to the neck. Model 75 has a head support.

For large patients or people who are particularly sensitive to pressure around the shoulders, it is recommended a combination with Universal Slingbar 600.

AmputeeSling Mod. 70 is available in different materials.

Since the patient does not normally remain in the AmputeeSling after the transfer, it is recommended to use a polyester sling. This material is very durable and is easy to work with, due to its low friction, which makes the sling easy to apply and easy to remove. This model is also available in net polyester in cases where the sling is to be left in the chair after lifting, or simply when you want a ventilated alternative.

AmputeeSling Mod. 75 is available in polyester.

Both models have reinforced leg supports which distributes pressure evenly and prevents the sling from creasing under the thighs.

AmputeeSling can be applied and removed in either the seated or horizontal positions.

The AmputeeSling can be used along with all of Liko's overhead and mobile lifts when using a sling bar with only two hooks. You can choose between the overhead lifts LikoGuard™, Likorall™, and Multirall™ or the mobile lifts Golvo™, Viking™, Uno™, and Liko™ M220/M230.

In this document, the person being lifted is referred to as the "patient" and the person helping them is referred to as the "caregiver".

Symbol description



is a warning triangle used for situations which require extra care and attention.



reference to read instruction guide for detailed information

Safety Instructions

Before lifting, keep the following points in mind:

- A responsible person within your organization should decide on a case-by-case basis whether one or more caregivers are needed.
- Ensure that the sling selected meets the patient's needs with reference to model, size, fabric and design.
- The total maximum load for a lift system is always determined by the product in the system with the lowest specified maximum load.
- For safety and hygiene reasons, use individual slings.
- Plan the lifting operation so that it can be done as safely and smoothly as possible.
- Check that the lifting accessory hangs vertically and can move freely.
- Although the Liko sling bars are equipped with latches, special caution must be exercised: before the patient is lifted from the underlying surface, but when the straps are fully extended, make sure the straps are correctly connected to the sling bar hooks.
- Make sure the patient is sitting securely in the sling before transferring to another location.
- Never lift a patient higher off the underlying surface than is needed to complete the lifting and transfer procedure.
- Never leave a patient unattended during a lifting situation.
- Make sure that the wheels on the wheelchair, bed, gurney, etc., are locked during the lifting/transfer operation.
- Always work ergonomically. Use the patient's ability to actively participate in the operations.
- When the sling is not being used, do not place in direct sun light.

Medical Device Class I Product

Liko Amputee Sling complies with the harmonized standard ISO10535:2006.

The management system for both manufacturing and development of the product is certified in accordance with ISO9001 and its equivalent for the medical device industry, ISO13485. The management system is also certified in accordance with the environmental standard ISO14001.

PATENT www.hill-rom.com/patents

May be covered by one or more patents. See above Internet address.

The Hill-Rom companies are the proprietors of European, US, and other patents and pending patent applications.

Design and Quality by Liko in Sweden

Liko's products undergo continuous development, which is why we reserve the right to make product changes without prior notice. Contact your Hill-Rom representative for advice and information about product upgrades.

IMPORTANT!

Lifting and transferring a patient always involves a certain risk. Read the instruction guide for both the lift and lifting accessories before use. It is important to completely understand the contents of the instruction guide. The equipment should be used only by trained personnel. Ensure that the lifting accessories are suitable for the lift being used. Exercise care and caution during use. As a caregiver, you are always responsible for the patient's safety. You must be aware of the patient's ability to handle the lifting situation. Instruction guides can be downloaded, free of charge, at www.liko.com.

Care and Maintenance

Check the sling before each use. Check the following points with regard to wear and damage:

- Fabric
- Straps
- Seams
- Suspension loops

⚠ Do not use damaged lifting accessories.

If anything is unclear, please contact the manufacturer or supplier.

If the sling is used for bath or shower: After use in bath and shower situations, the sling should be placed so that it dries as soon as possible.

Washing Instructions: Please see the sling's product label and the attached appendix "Care and Maintenance of Liko Slings".

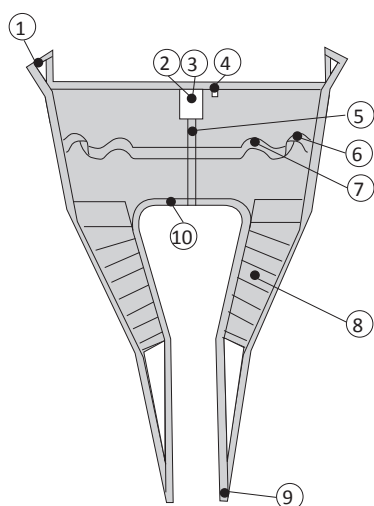
Expected Life Time

The product has an expected life time of 1-5 years during normal use. Expected life time varies depending on the fabric, use frequency, washing procedure, and weight carried.

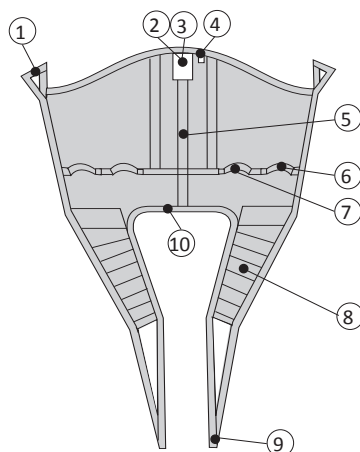
Periodic Inspection

The product must be inspected at least once every 6 months. More frequent inspections might be required if the product is used or washed more often than normal. See Liko's protocol for Periodic Inspection for the respective product.

Definitions



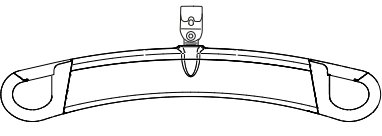
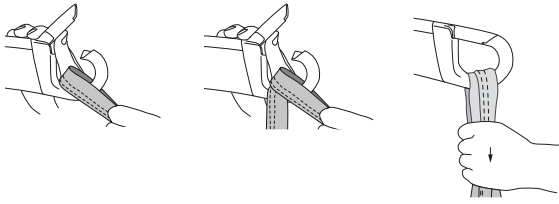
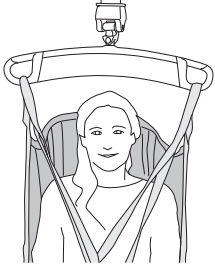
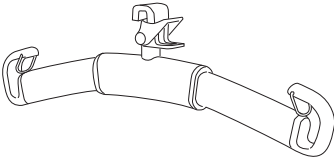
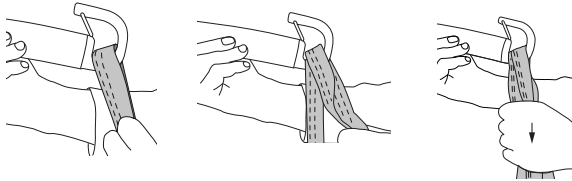

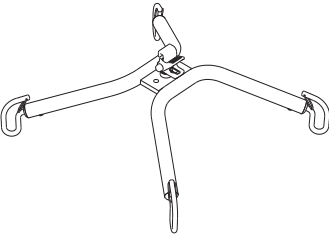
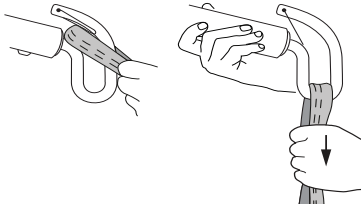
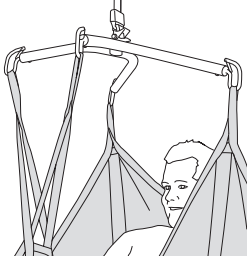
Mod. 70



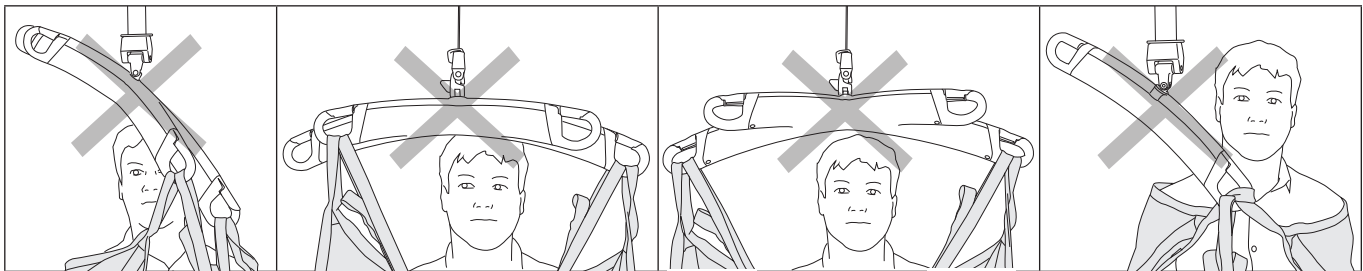
Mod. 75

1. Upper strap loop
2. Product label
3. Serial number
4. Size marking
5. Center back strap
6. Guide loop
7. Handle
8. Leg support
9. Leg support loop
10. Lower edge

How to Attach a Sling to Different Sling Bars

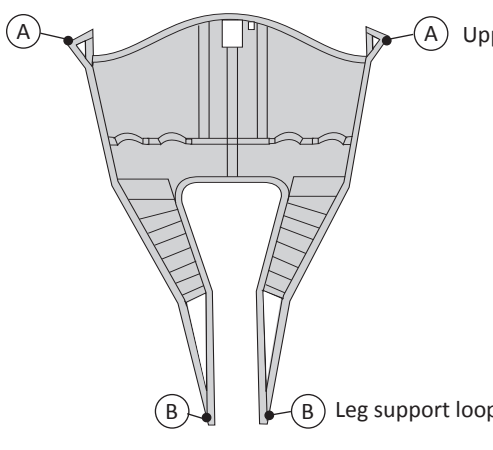
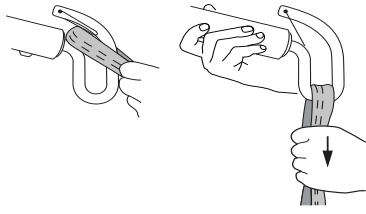
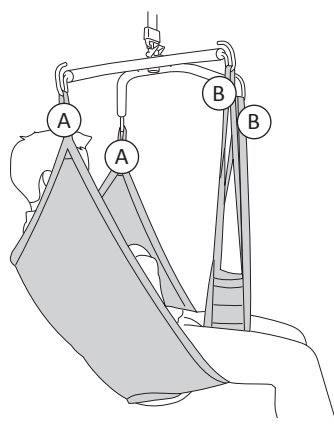
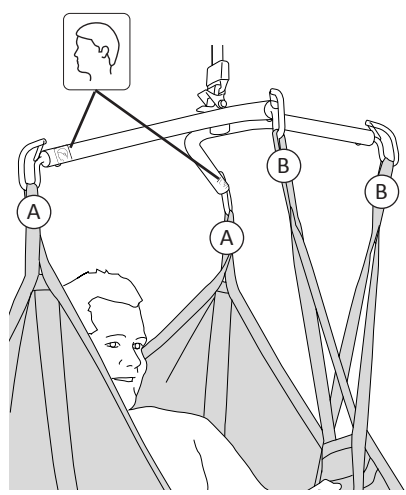
Sling bar	Sling loops to sling bar hooks	Correct
 <p>SlingGuard™</p>		
 <p>Universal</p>		
 <p>Cross-bar</p>		

Wrong!



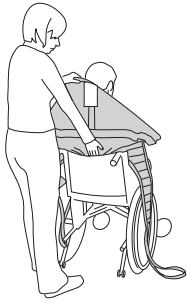
How to Attach an AmputeeSling to a Cross-bar

⚠ AmputeeSling in combination with a Cross-bar is not intended for lifting patients who are leg amputees.

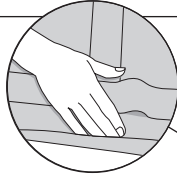
 <p>A Upper strap loop</p> <p>B Leg support loop</p>	<p>1.</p> 
<p>2. When using an AmputeeSling with a Cross-bar the leg supports should be placed crosswise in front of the body.</p> 	<p>3. Cross-bar 670</p> 

Lifting from a Seated Position

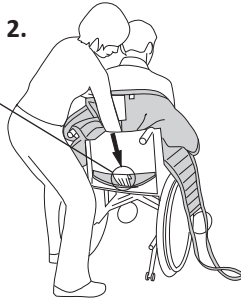
1.



Place the sling behind the patient's back, with the label facing out. Fold the lower edge over your fingertips to make it easier to guide the sling into position.

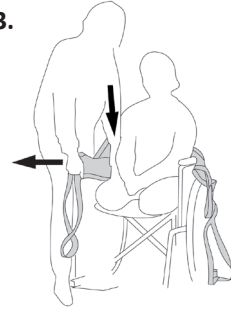


2.



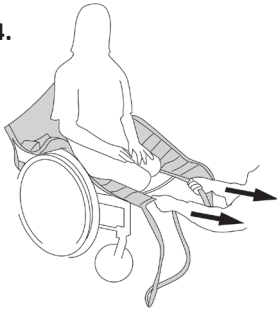
With the palm of your hand, press the lower edge of the sling down to the patient's tailbone. **This is very important.** Correct positioning is facilitated if the patient leans forward somewhat.

3.



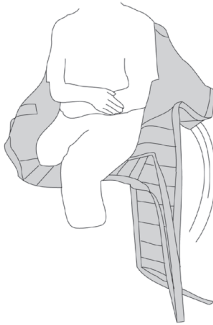
Pull the leg supports out alongside the outside of the thighs. **Helpful hint:** By placing your palm between the body and the sling, you can guide the leg support's lower edge strap down to the seat. At the same time, pull the leg support forward with your other hand to remove any slack in the fabric.

4.



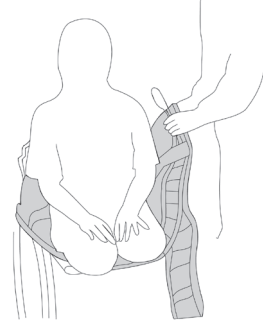
Ensure that the lower edge of the sling is taut against the buttocks by carefully pulling the leg support loops.

5.



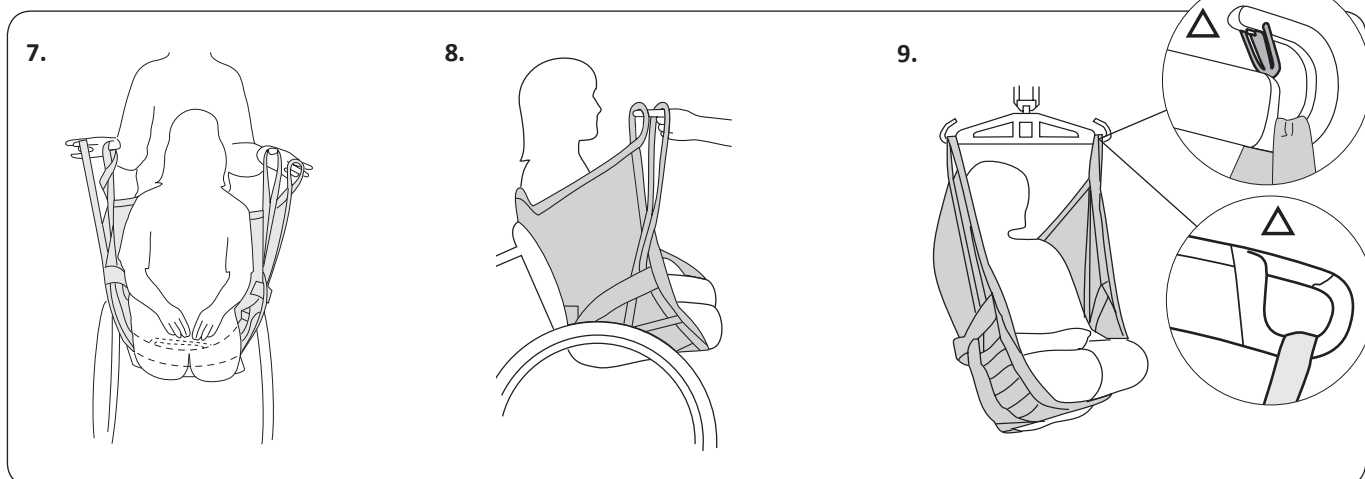
Place one leg support under both thighs, guiding it far in towards the buttocks. Pass the leg support loop through the guide loop on the inside of the sling.

6.



The leg support on the side of the patient's shortest stump should be placed nearest the body. If, for example, the right thigh has a higher amputation, the right leg support should be placed before the left in order to avoid pressure against the stump.





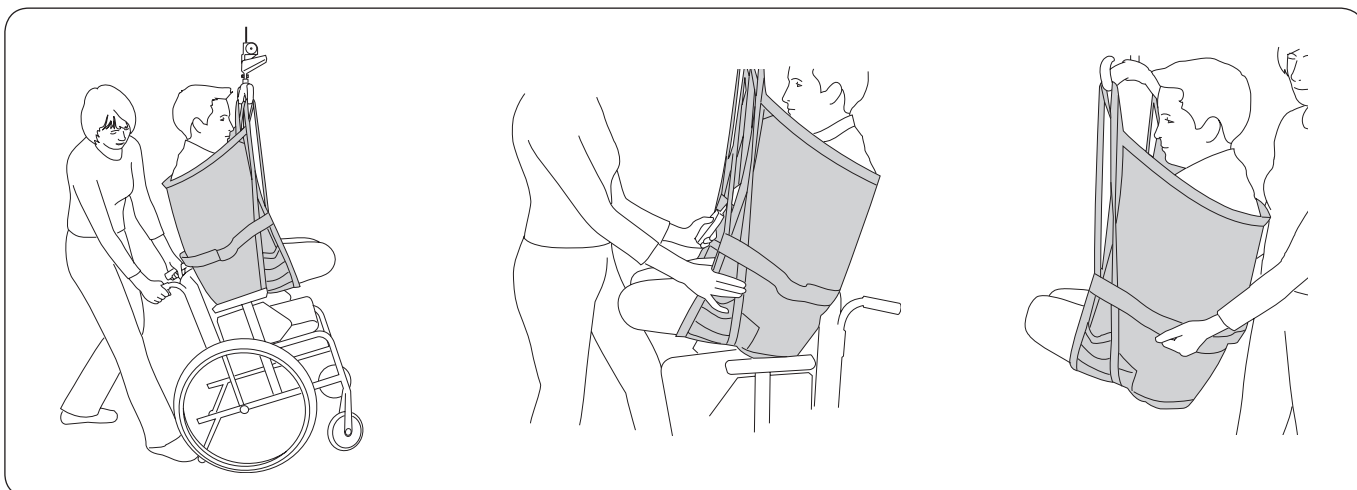
Similarly, place the other leg support under the first and pass the leg support loop through the guide loop on the outside of the sling.

Important: Make sure the leg support loop reaches as high as the upper strap loop. If not, adjust the position of the leg support.

Connect the upper strap- and leg support loops to the slingbar. See page 4-5 for instructions on how to attach the sling loops to different sling bars. Lift the patient. Check to ensure that the patient is sitting comfortably and securely before starting the transfer.

Lifting to a Seated Position

When positioning the patient in a chair, it is important that he/she is placed far enough back in the chair in order to sit comfortably and securely. There are several ways to facilitate positioning. Avoid pulling hard on the handles!

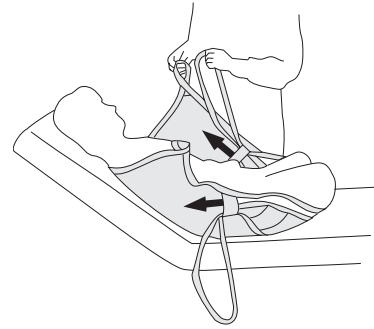
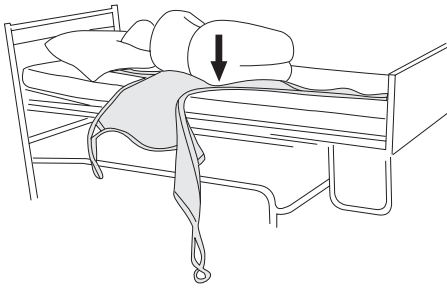


Tilt the wheelchair at the same time as the patient is being lowered, and allow the patient's buttocks to slide down the backrest to the seat of the chair.

Press the sides of the sling during lowering to enable the patient to come to rest far enough in on the seat.

Avoid pulling on the sling's handles, since they will not withstand excessive strain.

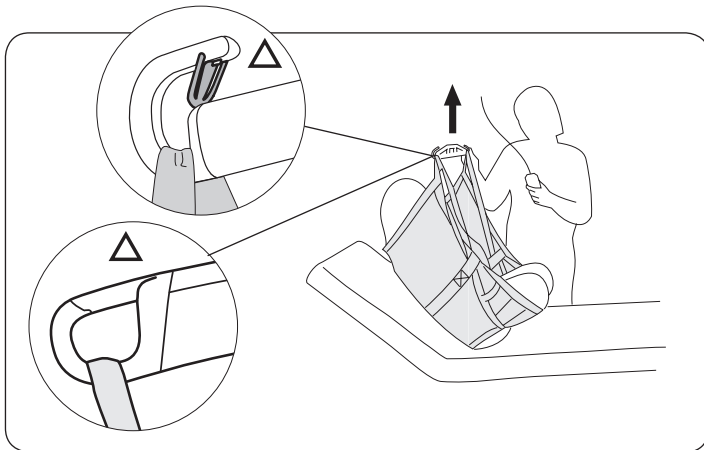
Lifting from a Horizontal Position



If the bed is equipped for height adjustment, etc., use these features to achieve the best function and ergonomics. Start by raising the bed to a "knuckle height" that is appropriate for the caregiver(s).

Turn the patient towards you to prevent him/her from falling out of bed. Place the long side of the sling as far as possible in under the patient, with the lower edge level with the tailbone. Bunch the sling together in a couple of folds and lay it so that its "central back strap" is under the patient's spine when he/she is gently turned back. Carefully work the sling out from the opposite side.

Place one leg support under both thighs, guiding it far in towards the buttocks. See description on page 4, diagram 6. Pass the leg support loop through the guide loop on the inside of the sling. Do the same with the other leg support and pass its strap loop through the guide loop on the outside of the sling.

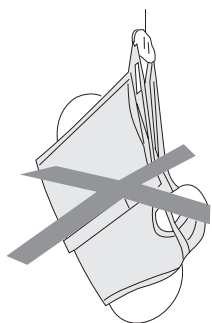


Raise the headrest. Ensure that the leg support loop reaches as high up as the upper strap loop. Connect the strap loops and leg support loops to the slingbar. See page 4-5 for instructions on how to attach the sling loops to different sling bars. Lift the patient. Make sure the patient is sitting comfortably before beginning the transfer.

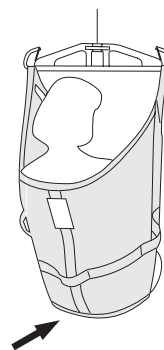
Lifting to a Horizontal Position

Raise the head of the bed before placing the patient in the bed, as this is more comfortable for the patient. Move the leg supports away and remove the sling by carefully pulling it up behind the back, or lower the backrest and turn the patient on one side. Fold the sling under the back, carefully turn the patient back on the other side and pull out the sling.

The Patient does not Sit Well in the Sling – Why is this?



The sling may not have been pulled far enough down the back during application. The patient's seat is hanging out and the patient is leaning back too far.



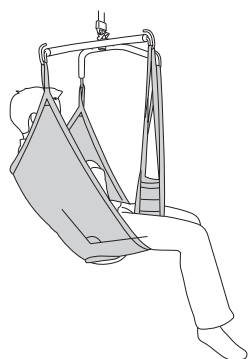
Lower the patient and adjust the position of the sling. It is essential that **all the strap loops reach the same height** (are equally long) before lifting begins, see page 4.

Lifting with Crossed Leg Supports

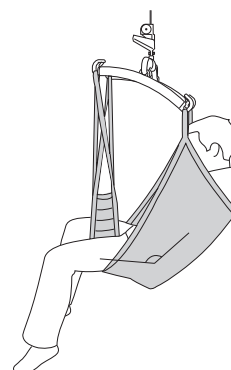
In some cases, it may be appropriate to lift a patient who is not a leg amputee using AmputeeSling with "crossed leg supports". Apart from the description below, the instructions given here are not intended for that procedure. Instead, we refer you to the instructions for Liko Universal Sling Mod. 000 for Mod. 70, and Liko Original Highback Sling Mod. 200/210 for Mod. 75. Both sets of instructions can be downloaded from www.liko.com.

Lifting with an Open Hip Angle Greater than 90°

For patients who need to be lifted with an open hip angle, but who are not leg amputees, it is recommended to use AmputeeSling size medium in combination with Sling Cross-bar 670. Alternatively, Universal Slingbar 450 or 600 can be used in combination with Side bars.



AmputeeSling, medium with Sling Cross-bar 450 or 670.



AmputeeSling medium with Side bars 450.

Overview, Liko™ AmputeeSling Mod. 70, 75

Product	Prod. No.	Size	Patient's Weight ¹	Max. Load ²
Liko AmputeeSling, polyester	3570114	S Small	< 40 kg	200 kg (440 lbs)
Liko AmputeeSling, polyester	3570115	M Medium	40-60 kg	200 kg (440 lbs)
Liko AmputeeSling, polyester	3570116	L Large	> 60 kg	200 kg (440 lbs)
Liko AmputeeSling, net polyester	3570315	M Medium	40-60 kg	200 kg (440 lbs)
Liko AmputeeSling HB, polyester	3575114	S Small	< 40 kg	200 kg (440 lbs)
Liko AmputeeSling HB, polyester	3575115	M Medium	40-60 kg	200 kg (440 lbs)
Liko AmputeeSling HB, polyester	3575116	L Large	60-80 kg	200 kg (440 lbs)
Liko AmputeeSling HB, polyester	3575117	XL Extra Large	> 70 kg	300 kg (660 lbs)
Liko AmputeeSling HB, net polyester	3575315	M Medium	40-60 kg	200 kg (440 lbs)

¹ The indicated patient weight is a guideline only – there may be deviations.

² To maintain maximum load, lift/accessories intended for the same load or more are required.

**A sling that is too small may provide insufficient support and may be difficult to apply.
If the sling is too large, the patient may risk slipping out of it.**

Recommended Combinations

Recommended combinations of Liko AmputeeSlings and Liko's slingbars:		Sling bar 450 ¹⁾	Universal 600	Univ.450+Side bars ²⁾	Univ.600+Side bars ²⁾	Sling Cross-bar ²⁾	Sling Cross-bar 450 ²⁾	Sling Cross-bar 670 ²⁾
AmputeeSling, S	mod. 70 & 75	1	3	1	1	1	1	1
AmputeeSling, M	mod. 70 & 75	1	1	1	1	1	1	1
AmputeeSling, L	mod. 70 & 75	2	1	2	2	2	2	2
AmputeeSling, XL	mod. 75	2	1	3	3	3	3	3

¹⁾ Sling bar 450 relates to Universal SlingBar 450 Prod. No. 3156075, 3156085, and 3156095, SlingBar Standard 450 Prod. No. 3156001, 3156003, 3156007, and 3156016, and also SlingGuard 450 Prod. No. 3308020 and 3308520.

²⁾ The sling's leg supports are placed crosswise in front of the body, see "Lifting with an open hip angle greater than 90°" page 9.

⚠ Not intended for lifting patients who are leg amputees.

Explanation: 1 = Recommended, 2 = May work, 3 = Not advised, 4 = Inappropriate

Other Combinations

Combinations of accessories/products other than those recommended by Liko can result in risks for the safety of the patient.

