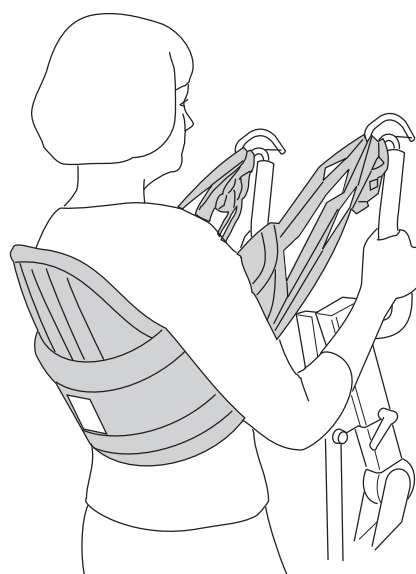


Mod. 93



Mod. 94

## Product Description

The Liko SafetyVest is a sit-to-stand vest that is unique in terms of safety, form and function. This vest is designed to lift around the back and under the arms. The inside is lined with a material that is intended to prevent the vest from sliding up on the body.

The waist belt, which is sewn to the vest, is a safety feature that helps to avoid the risk of a patient sliding out of the sit-to-stand vest.

You must use a combination of two loops on each hook when attaching the sling to the lift.

The Liko SafetyVest is available in two models and

several different sizes. Model 94 is equipped with a higher back to provide extra support for the back.

The Liko SafetyVest is mainly intended for use in combination with the Sabina sit-to-stand lift with a narrow slingbar (350-slingbar).

In combination with Sabina, the SafetyVest forms a functional unit. For complete information and best results, read the instruction guides for both products.

A complete understanding of the contents of these instruction guides is essential, and the equipment should only be used by staff who are fully informed.

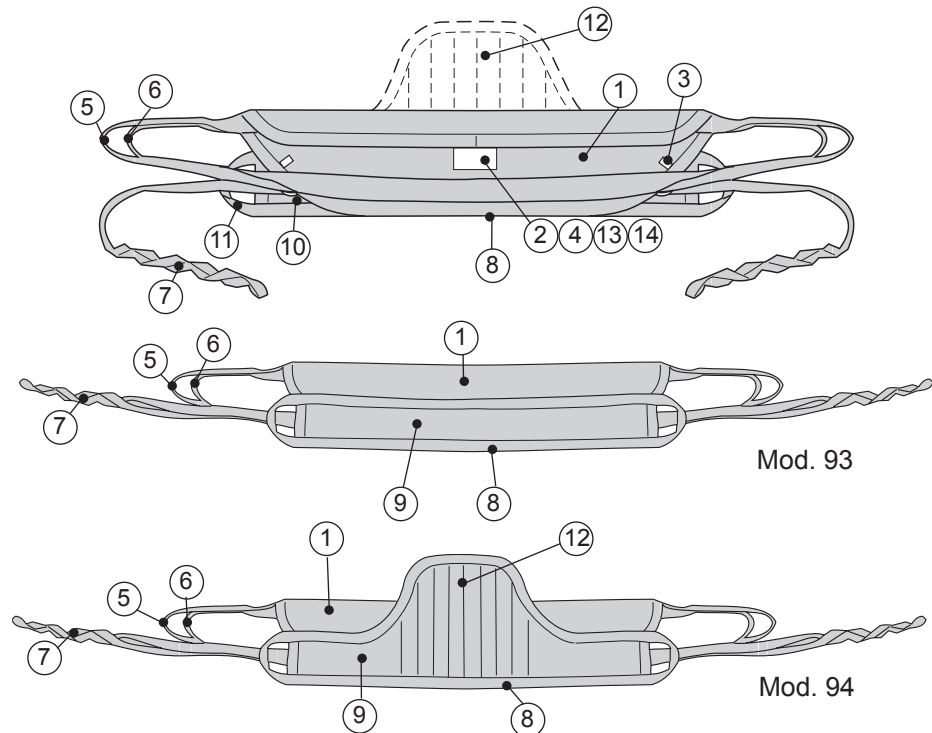
*In this document, the person being lifted is referred to as the "patient" and the person helping them is referred to as the "caregiver".*

**△ Caution triangles are used to warn of situations that demand extra care and attention.**

** Before using lifts and lifting accessories, read the instructions for both the sling and the lift that will be used. Instruction guides can be downloaded, free of charge, at [www.liko.com](http://www.liko.com).**

## Definitions

1. Outer vest
2. Product label
3. Size (colour)
4. Serial number
5. Outer vest strap
6. Inner vest strap
7. Loop strap
8. Lower edge
9. Waist belt
10. Inner strap guide
11. Outer strap guide
12. Extra back support
13. Label: Periodic Inspection
14. Label: Individual marking (Belongs to)



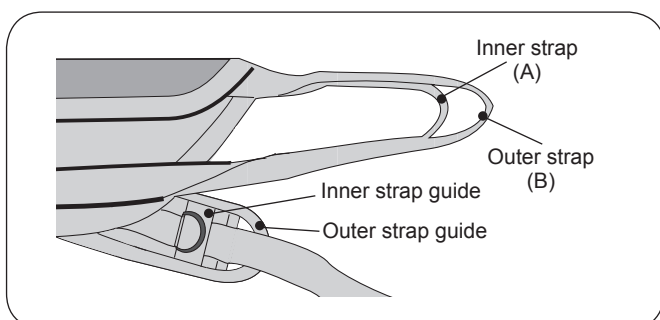
## Safety Instructions

### ⚠ 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.
- For safety and hygiene reasons, use individual slings.
- Before lifting, plan the lifting operation so that it can be done as safely and smoothly as possible.
- Although Liko's sling bars are equipped with safety latches, special caution must be exercised: Before the patient is lifted from the underlying surface, but after the straps have been fully extended, make sure the straps are properly connected to the sling bar.
- The height to which the lift should proceed varies from person to person.
- 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.

## Description of Vest Strap Function

### Outer Vest Straps

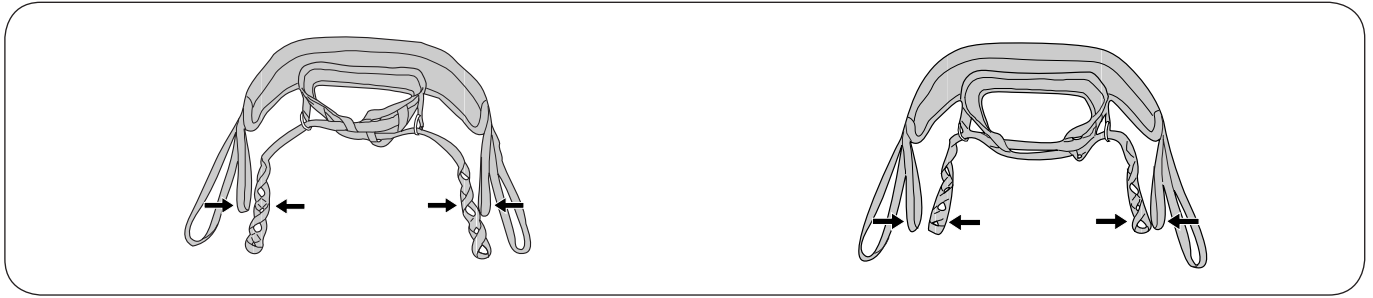


The outer vest is equipped with two vest straps: outer and inner strap, for maximum flexibility during use. Generally, you should use the inner strap (A) to achieve a maximum upright stance. The outer strap (B) is used when the patient's girth so requires it, or if the patient is short in relation to the height of the slingbar hooks on the Sabina.

In cases where the inner strap is used, we recommend that you also hook the outer strap to the lift in order to have better visual control of the straps.



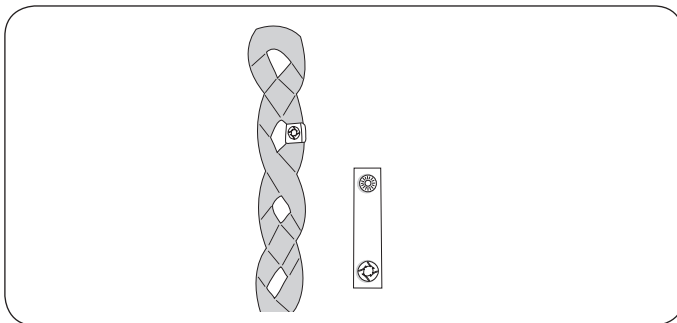
## Loop Straps



An inner loop gives a tighter fit.

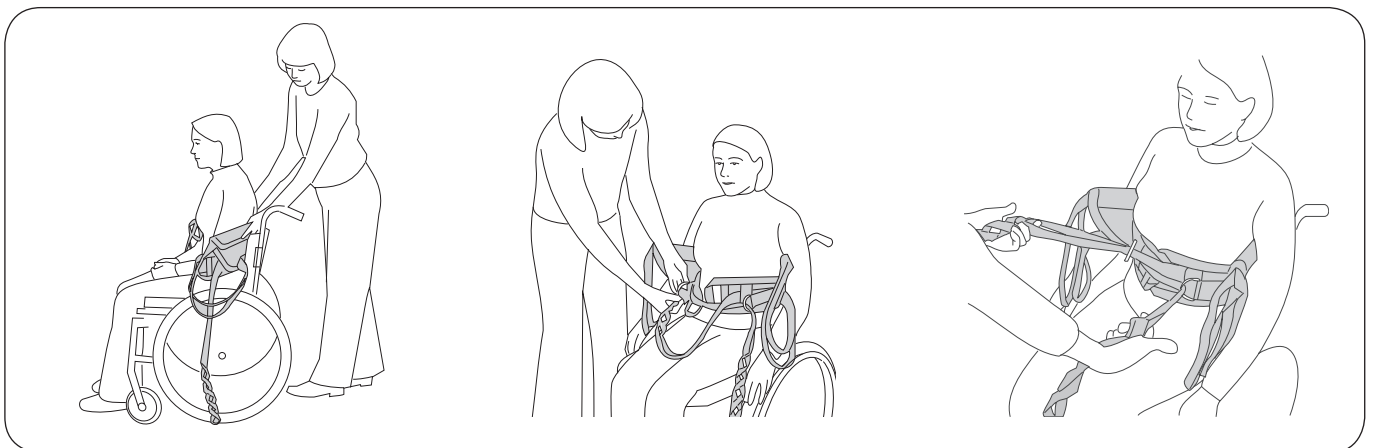
An outer loop gives a looser fit.

## Loop Clips



This practical accessory is used to mark the loops that have been tried out for a certain person. It makes it easier for the caregivers to choose the right loop to attach to the slingbar.

## Active Stand-up Lifting with Sabina and Liko SafetyVest

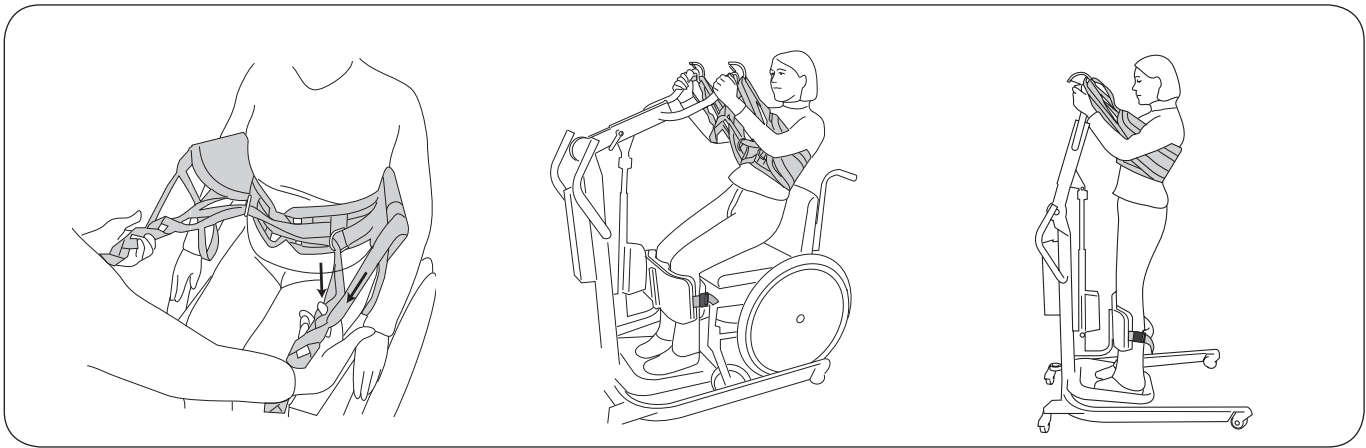


Slide the SafetyVest down behind the patient to waist level. The lower edge of the waist belt should be farthest down and be placed closest to the body with the patient's arms outside the vest and the waist belt.

Cross the loop straps and thread them through the D-rings on the opposite sides. See description on page 4-5 for different fitting alternatives.

Pull on the straps to check the tension.  
If the waist belt does not tighten sufficiently, change the threading of the loop straps.





Determine which of the straps should be hooked to the lift by pulling (straight forward) on the outer vest straps and loop straps simultaneously (see diagram of loop straps, page 2-3: Loop straps).

Try to achieve optimal fit around the abdomen by using a configuration that enables equal tension on the vest straps and loop straps as they tighten while the patient stands.

Position Sabina and adjust the width of the base, so that the patient's feet can be centered on the footrest. The lower legs (below the knees) should be parallel to the lower-leg pad on the lift. Adjust the horizontal and vertical position of the pad for comfortable resistance just below the kneecaps.

Attach and tighten the strap around the lower legs.

Now you are ready to attach the loop straps and vest straps (which you have tested according to the above) to the slingbar.

**Raising:** Maneuver the lift by pressing the up and down buttons (two possible speeds). The patient should, if possible, participate by grasping the slingbar and pulling himself/herself upwards.

**Hint!** We recommend that patients lean the upper body back somewhat, to compensate for weak muscles in the lower body. This facilitates standing, enhances comfort and prevents the vest from sliding upward.

**Hint!** Remember, the raising procedure is easier if the patient sits relatively high, i.e., with the hip joints at the same or a somewhat higher level than the knees.

### How high should the patient be lifted?

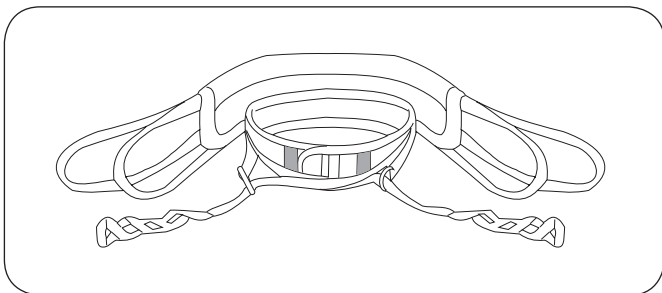
The height a patient is lifted should be determined from case to case.

The maximum stand-up height can be regulated as follows.

**A** Adjust the Sabina base for the lifting height. See the Sabina instruction guide.

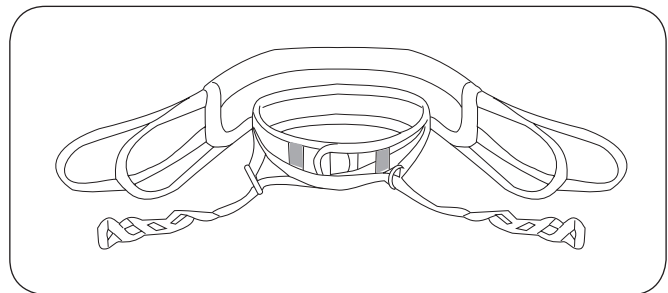
**B** Select either the inner or the outer strap on the outer vest. See page 2: Outer vest straps.

## Different Loop-strap Threading Alternatives



### Alt. A: For very thin patients

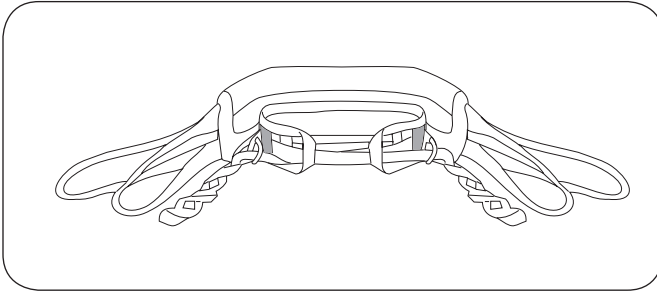
Remove the loop straps from the inner strap guides before threading them through the metal D-rings. This enables the tightest fit.



### Alt. B: For average patients

Remove only one of the loop straps from an inner strap guide. Then cross the loop straps and thread them through the metal D-rings.





**Alt. C: For large patients**

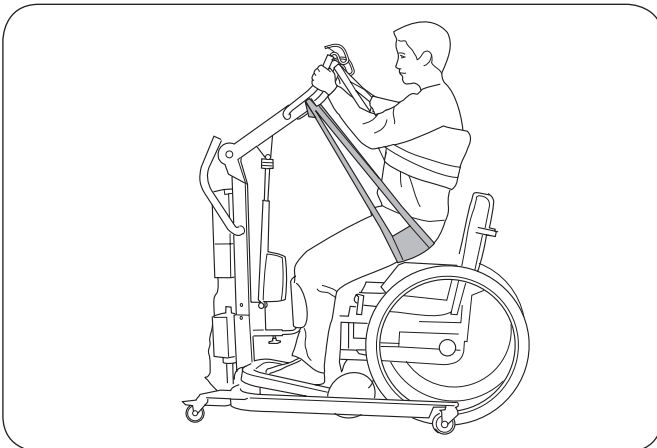
Thread the loop straps through both the inner and both outer strap guides before threading them through the metal D-rings.

**Hint!**

To further increase the width, the loop straps can be used together with Liko Extension Loops.

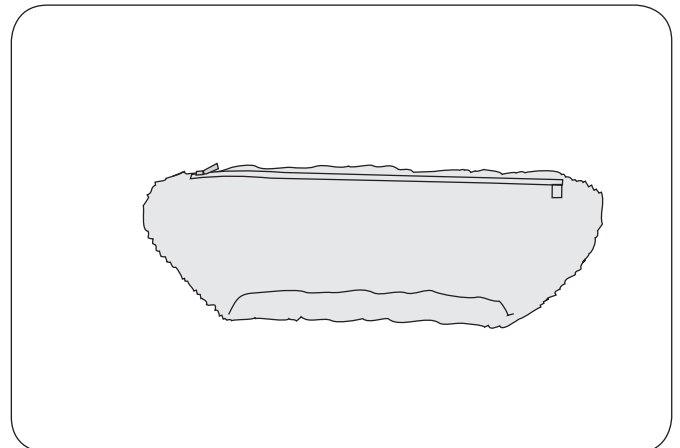
## Accessories for Liko SafetyVest

### SeatStrap



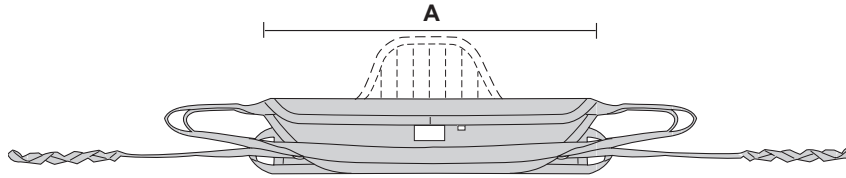
In some cases, a SeatStrap (accessory: 3591115) may be used to assist lifting. The SeatStrap is guided down towards the caudal vertebra as far as possible. This helps to lift from under the buttocks. When an upright stance has been achieved, load is relieved from the SeatStrap and it can be easily moved aside, e.g., during visits to the lavatory. When lowering to a sitting position, it may be appropriate to remove the SeatStrap so that the patient can sit farther back in the chair. When using the SeatStrap, a special accessory must be attached to the lift: the SeatStrap SlingBar. Make sure to thoroughly study the instruction guide for the SeatStrap before using it.

### Padding (for Mod. 93)



The SafetyVest is equipped with a zipper, so that a padding of synthetic sheepskin can be added for a softer surface that distributes pressure more evenly.

# Facts about the Liko SafetyVest



Description	Prod. No.	Size	Body weight*	Vest width
Liko SafetyVest	3593115	Medium	< 80 kg (176 lbs.)	<b>A:</b> 90 cm (35 inch.)
Liko SafetyVest	3593116	Large	> 70 kg (154 lbs.)	<b>A:</b> 105 cm (41 inch.)
Liko SafetyVest w. extra back support	3594415	Medium	< 80 kg (176 lbs.)	<b>A:</b> 90 cm (35 inch.)
Liko SafetyVest w. extra back support	3594416	Large	> 70 kg (154 lbs.)	<b>A:</b> 105 cm (41 inch.)

\*Note! Weights given are approximate guides. Variations are normal.

Liko slings are approved for 200 kg (440 lbs.) maximum load or more. See product label.

Accessory	Prod. No.
Padding Medium (fits 3593115)	3691035
Padding Large (fits 3593116)	3691036
SeatStrap	3691115
Loop clips, yellow	3666035
Loop clips, blue	3666036

The Loop clips are also available in other colours.

## Advice for choosing size

The net-clad vest component should reach properly around the back and under the arms. If the vest is too large, the patient may not be able to grasp the slingbar.

**Washing instructions:** See the sling's product label.

## Expected Life Time

The product has an expected life time of 1-5 years with 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.

## Combinations

The SafetyVest is intended for use only with Liko Sabina sit-to-stand lifts. We recommend Sabina with 350-slingbar (narrow).

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

In those cases where another manufacturer recommends Liko's accessories/products in combination with their or others' accessories/products, and the combinations are not approved by Liko, that manufacturer assumes the responsibility for that combination. Liko then refers to the responsible manufacturer's instruction guides and recommendations concerning usage, maintenance, cleaning, checking and inspection of the combination in order to fulfil the EN ISO 10535 requirements.

## CE Class I medical device

Liko's products are constantly being updated and refined. Liko reserve the right to change aspects of the products without prior notice. Contact your local Liko representative for updated information and advice.

## ⚠ Caution!

Lifting and transferring a patient always involves a degree of risk. Study the instruction guides for both lift systems and accessories carefully. A complete understanding of the contents of instructions is essential. Only trained personnel should use the equipment.

Make certain that the lifting accessories are appropriate for the lift you are using and for the lifting situation. Exercise caution and care when using lift equipment and accessories.

As a caregiver, you are responsible for the patient's safety. You must be well informed of the patient's condition and ability to manage the lifting situation.

Inspect the sling regularly, especially after laundering. Check carefully for wear and damage to seams, fabric, straps and loop straps. Never use damaged accessories! When in doubt, contact the manufacturer or supplier.



A Hill-Rom Company

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