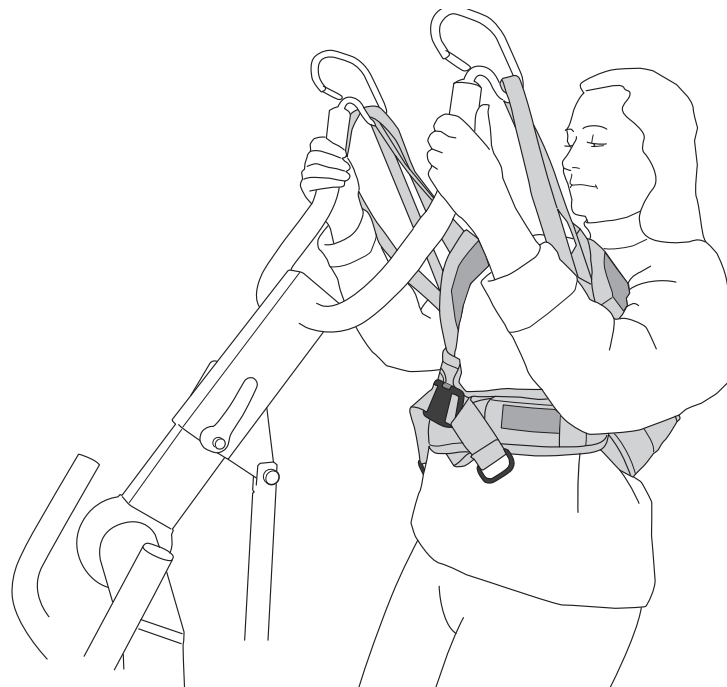


# Liko™ SupportVest™ Mod. 91



## Instructions for Use



### Product Description

The Liko SupportVest is a comfortable sit-to-stand vest that is easy to use and requires minimal individual adjustment. It is suitable for patients who require a lot of assistance in standing, but are capable of standing steadily on their own once they are up.

The SupportVest supports the patient around the back and under the arms. The inside is lined with corduroy, which prevents the vest from sliding up on the body.

The SupportVest is mainly intended for use in combination with the 350 SlingBar on the Sabina™ sit-to-stand lift. The SupportVest in size XL can be used in combination with the Comfort SlingBar on the Sabina sit-to-stand lift.

In combination with Sabina sit-to-stand lift, the SupportVest form a functional unit. For complete information and best results, read the instruction guides for both products.

#### Sizes

The SupportVest is available in different sizes. It is important to choose the correct size in order to achieve the highest level of comfort and safety.

#### Waist Belt

The SupportVest is equipped with a waist belt that keeps the vest in place around the upper body during application.

#### Padding

A padding liner of synthetic sheepskin is available as an accessory. The padding is secured with a zipper.

A SupportVest equipped with padding offers a softer surface that distributes pressure more evenly.

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

#### IMPORTANT!




















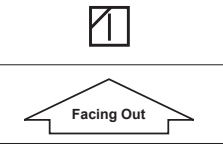
Lifting and transferring a patient always involves a certain level of risk. Read the instructions for use for both the patient lift and lifting accessories before use. It is important to completely understand the contents of the instructions for use. The equipment should only be used by trained personnel. Ensure that the lifting accessories are suitable for the lift 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 make it through the lifting situation. If something is unclear, contact the manufacturer or supplier.

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## Symbol Description

These symbols can be found in this document and/or on the product.

Symbol	Description
	Warning; this situation requires extra care and attention.
	Read instructions for use before use
	CE mark
	Legal manufacturer
	Date of manufacturing
	Product Identifier
	Serial Number
	Medical device
	Do not dry clean
	Do not iron
	Tumble drying
	Do not tumble dry
	Washing Symbol is always in combination with recommended temperature in °C and °F.
	Latex Free
	Periodic inspection
	Do not bleach
	Line drying in shade
	Direction upwards and symbol on outside of equipment.
	Symbol on outside of equipment.
	GS1 Data Matrix Barcode that may contain following information. (01) Global Trade Item Number (11) Production Date (21) Serial Number

## 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.
- Plan the lifting operation so that it can be done as safely and smoothly as possible
- Although Liko's sling bars are equipped with 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 hooks.
- 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. 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.

### Incorrect attachment of sling to slingbar may cause severe injury to the patient.

 Medical Device Class I Product

### Product Changes

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.

### Design and Quality by Liko in Sweden

Liko is quality certified according to ISO 9001 and its equivalent for the medical device industry ISO 13485. Liko is also certified according to environmental standard ISO 14001.

### Notice to Users and/or Patients in EU

Any serious incident that has occurred in relation to the device, should be reported to the manufacturer and the competent authority of the Member State in which the user and/or patient is established.

## Care and Maintenance

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

- Fabric
- Straps
- Seams
- Loops
- Buckle

**⚠ Do not use damaged lifting accessories.**

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

**Washing instructions:** See the sling's product label and the attached appendix "Care and Maintenance of Liko Slings".

### 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. For protocols please contact your Hill-Rom representative.

### 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.

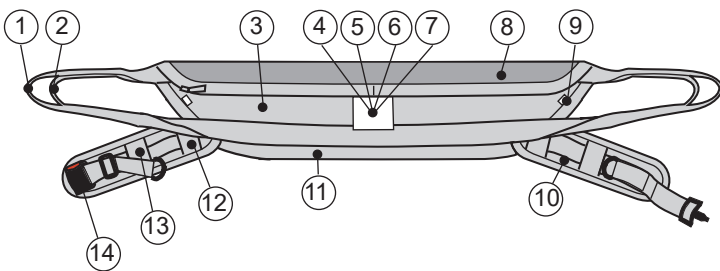
### Recycling Instructions

The entire sling, including laths, padding material, etc. should be sorted as Combustible waste.

Hill-Rom evaluates and provides guidance to its users on the safe handling and disposal of its devices to aid in the prevention of injury, including, but not limited to: cuts, punctures of the skin, abrasions, and any required cleaning and disinfection of the medical device after use and prior to its disposal. Customers should adhere to all federal, state, regional, and/or local laws and regulations as it pertains to the safe disposal of medical devices and accessories.

If in doubt, the user of the device shall first contact Hill-Rom Technical Support for guidance on safe disposal protocols

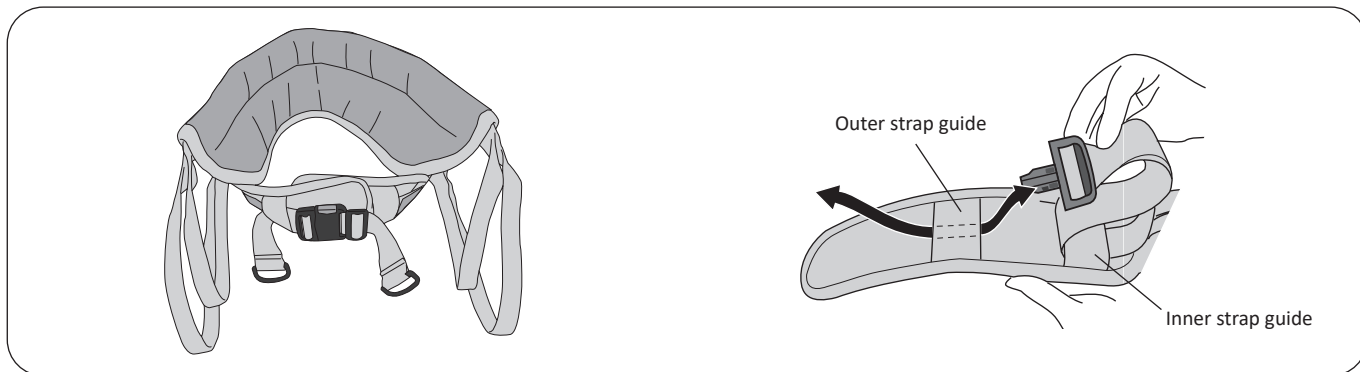
## Definitions



1. Outer strap loop
2. Inner strap loop
3. Outer vest
4. Product label
5. Serial number
6. Label: Periodic Inspection
7. Label: Individual marking (Belongs to)
8. Soft part
9. Size marking
10. Waist belt with pads
11. Lower edge
12. Inner strap guide
13. Outer strap guide
14. Buckle

## Description of Waist Belt Function

The waist belt on the SupportVest is intended to hold the vest in place around the patient, but it is not intended to be used lifting the patient or securing the patient in the vest. If the patient requires a waist belt for safety reasons, we recommend changing to the Liko SafetyVest™ or Liko ComfortVest™.



The waist belt on the SupportVest is intended to hold the vest in place around the patient, initially during raising to an upright position.

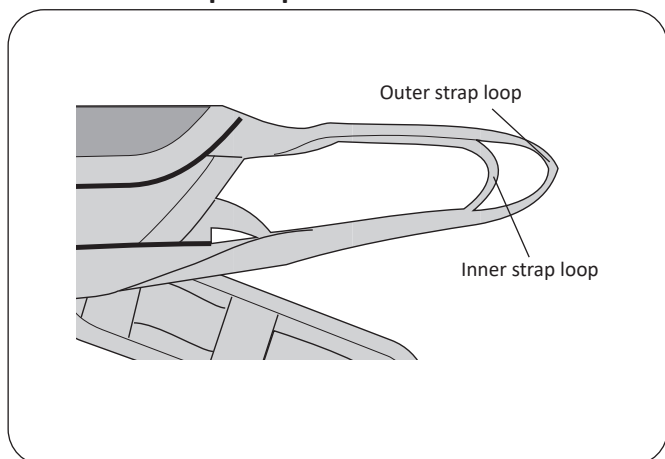
During raising, the upper body tends to become somewhat more narrow, causing the waist belt to slacken and hang loose around the upper body. This is a natural tendency and does not affect raising in any way.

⚠️ If the waist belt is once again tightened after the patient is raised to an upright position, remember to slacken the tension before lowering the patient to prevent excessive pressure on the waist belt when the upper body expands.

If it may be difficult to regulate the waist belt because it is wider than the patient's waist, pass the buckle through one or both of the strap guides, see illustration.

## Description of Strap Loops Function

### Outer Vest Strap Loops

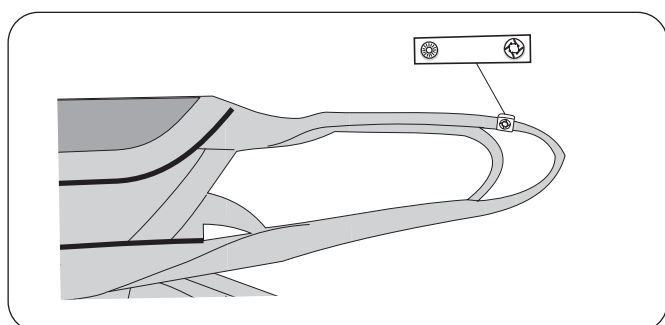


The outer vest is equipped with two strap loops: outer and inner strap loop, for maximum flexibility during use. Generally, it is recommended that you use the inner strap loop, so as to achieve a maximum upright position, and also to make it possible for the patient to reach the sling bar, in order to be able to participate in the raising.

The outer strap loop is used when the patient's girth so requires it, or if the patient is short in relation to the height of the sling bar hooks on a Sabina™ sit-to-stand lift.

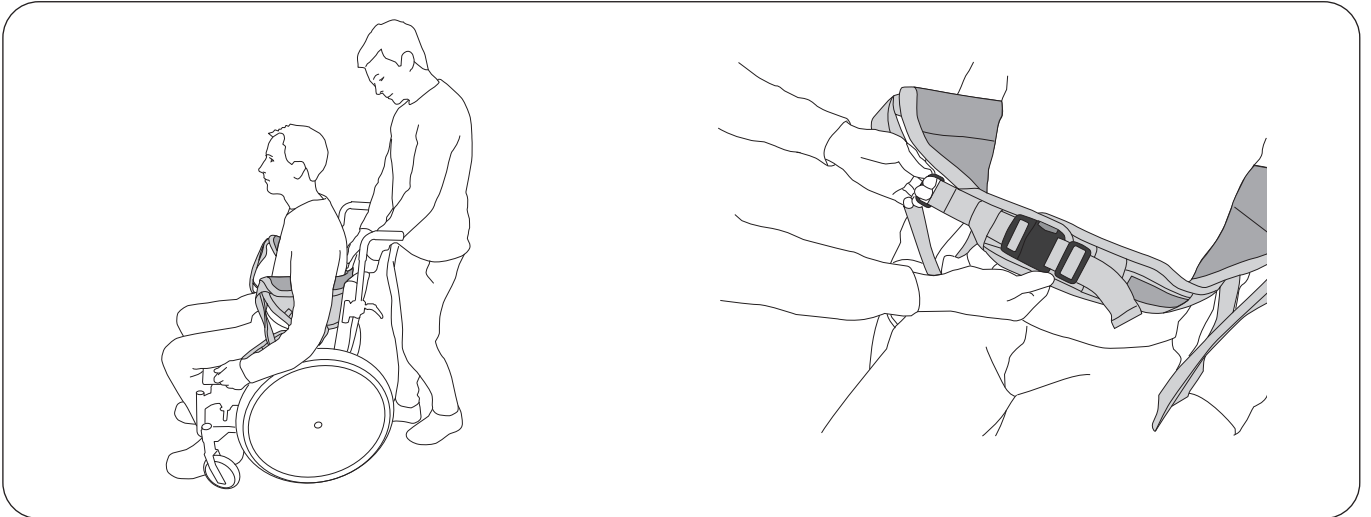
In cases where the inner strap loop is used, we recommend that you also connect the outer strap loop to the sling bar hook in order to have better visual control of the straps.

### Loop Clips



Loop Clips are a practical accessory used to mark the loops that have been selected for a certain patient. It makes it easier for the caregivers to choose the right loop to attach to the sling bar.

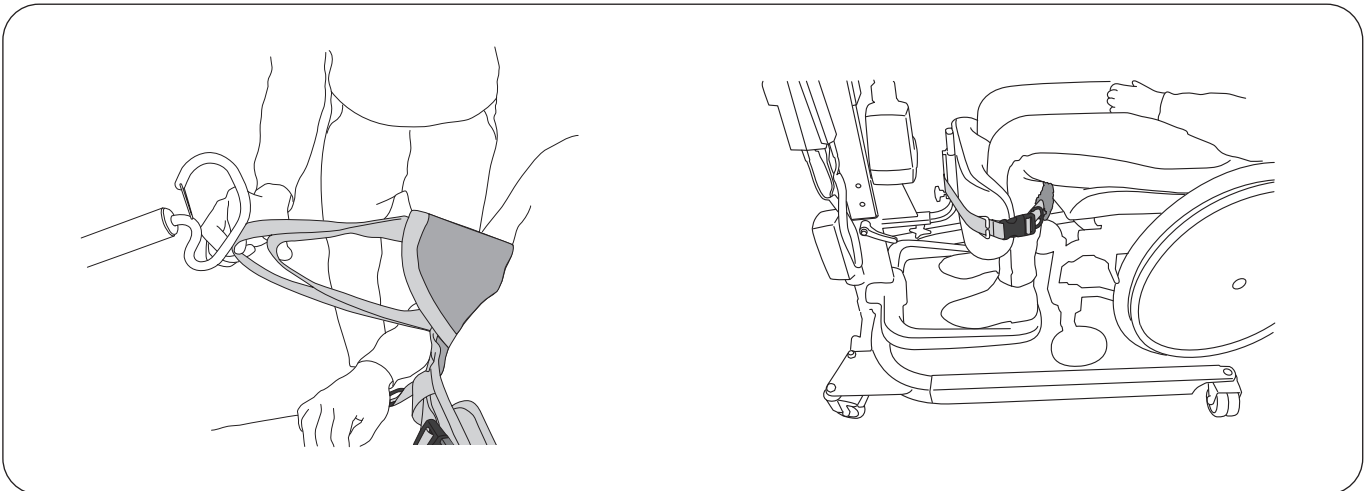
## Raising a Person during Active Lifting using the Sabina Sit-to-stand Lift and Liko SupportVest



Place the vest behind the patient's back with the product label outwards. The lower edge of the vest should be in level with the patient's waist.

**⚠** The patient's arms must **always** be held outside the vest to prevent the vest from sliding up.

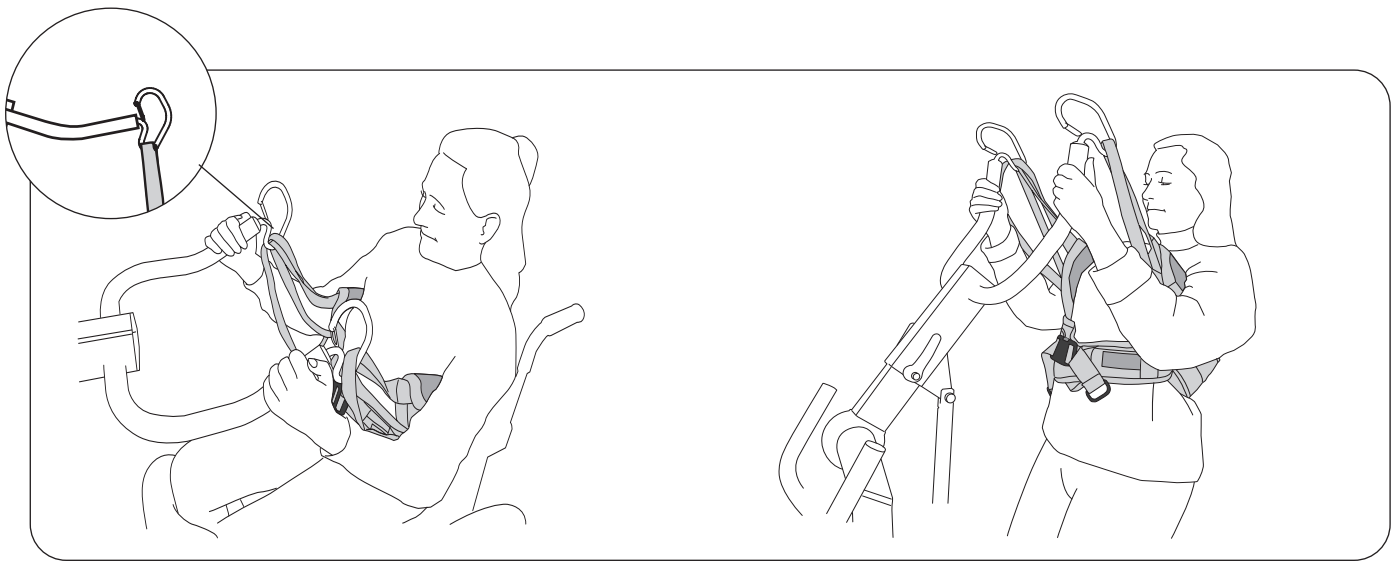
Adjust the waist belt gently to the girth of the patient's upper body. Fasten the waist belt's buckle.



Determine which of the strap loops should be connected to the sling bar's hooks. Use the provided Loop Clips to mark the loops. See page 6, "Description of Strap Loops Function".

Position the Sabina™ sit-to-stand lift and adjust the width of the base, so that the patient's feet can be centred on the foot rest. The lower legs should be parallel to the lower leg support on the lift. Adjust the height and depth of the support as needed for comfortable support below the kneecaps. If applicable: Fasten and tighten the calf strap around the lower legs.



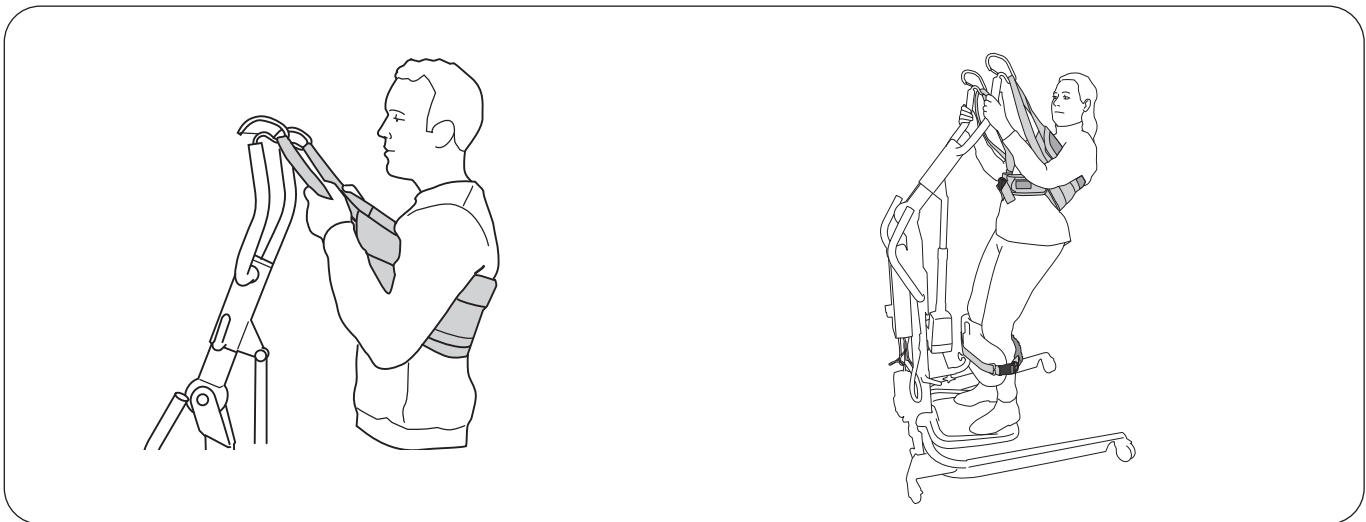


Connect the strap loops to the sling bar's hooks.

**⚠️** Prior to raising, make sure the straps are properly connected to the sling bar hooks.

**Raising:** Operate the lift by pressing the up and down buttons (two possible speeds). If possible, the patient should be encouraged to participate actively by grasping the sling bar and pull themselves up.

**Tip:** Note that it is easier for the patient to rise from a seated to a standing position if he or she is sitting relatively upright; i.e., the hip joints are at the same level as, or preferably higher than, the knee joints.



**Tip:** In the event that the vest slides up during raising, the patient can grasp the strap loops instead of grasping the sling bar. This will help to keep the vest in place and provide good back support during raising.

We recommend that the patient 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.

## Fitting Advice

### Adjustment to Achieve Highest Possible Raising

The maximum raising height can be adjusted as follows:

- Adjust the settings on the Sabina™ sit-to-stand lift to meet the individual needs of the patient. See the instruction guide for Sabina sit-to-stand lift.
- Select either the inner or the outer strap loop on the outer vest. See page 6, "Description of Strap Loops Function".
- A smaller sized vest makes higher raising possible.

### Advice for Choosing Size

For maximum comfort, the soft part of the vest 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 sling bar.

### Alternative Sit-to-stand Vests

If the patient requires a waist belt for safety reasons, we recommend changing to the Liko SafetyVest™ or Liko ComfortVest™.



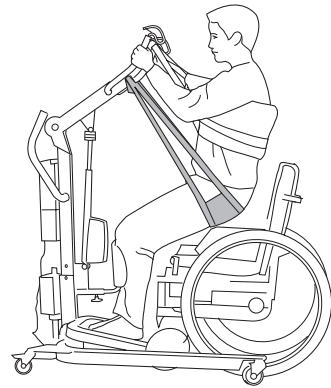
# Accessories for the Liko SupportVest

## Sabina™ SeatStrap

Prod. No. 3591115

The SeatStrap is an accessory that facilitates the first part of the raising motion. The SeatStrap is connected to a SeatStrap SlingBar, which helps to support the patient's position when raising. In standing position, the SeatStrap can be easily disconnected so that it is not in the way when, e.g., going to the toilet.

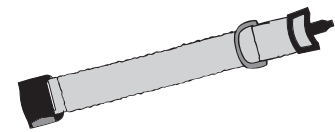
The SeatStrap requires a special accessory: SeatStrap SlingBar (Prod. No. 2027006-07). Make sure to study the instruction guide for the SeatStrap before use.



## Extension Belt III

Prod. No. 3691107

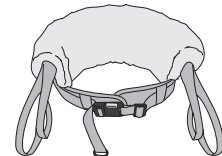
If necessary, the waist belt of the SupportVest can be extended using an Extension Belt. That will extend the waist belt 7-48 cm (3-19 inch).



## Padding for Vest Mod. 91 & 93

Padding for Vest, Small  
Padding for Vest, Medium  
Padding for Vest, Large  
Padding for Vest, XL

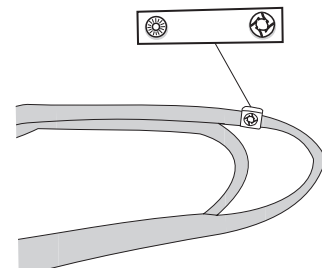
Prod. No. 3691034  
Prod. No. 3691035  
Prod. No. 3691036  
Prod. No. 3691037



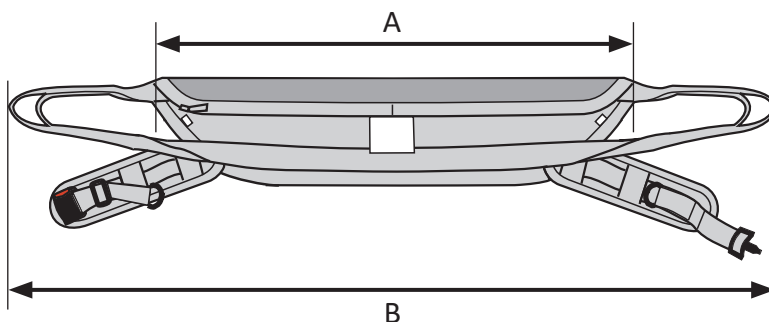
## Loop Clips

Loop Clips, red, 4 pcs  
Loop Clips, orange, 4 pcs  
Loop Clips, yellow, 4 pcs  
Loop Clips, blue, 4 pcs  
Loop Clips, black, 4 pcs

Prod. No. 3666033  
Prod. No. 3666034  
Prod. No. 3666035  
Prod. No. 3666036  
Prod. No. 3666037



## Overview Liko™ SupportVest™ Mod. 91



Product	Prod. No.	Size		Vest width cm (inch.)		Patient's Weight <sup>1</sup>	Max load <sup>2</sup>
Liko SupportVest	3591134	S	Small	A: 80 (31)	B: 130 (51)	< 60 kg (<132 lbs)	200 kg (440 lbs)
Liko SupportVest	3591135	M	Medium	A: 90 (35)	B: 140 (55)	50-80 kg (110-176 lbs)	200 kg (440 lbs)
Liko SupportVest	3591136	L	Large	A: 105 (41)	B: 155 (61)	70-100 kg (154-220 lbs)	200 kg (440 lbs)
Liko SupportVest	3591137	XL	Extra Large	A: 120 (47)	B: 160 (63)	> 100 kg (> 220 lbs)	200 kg (440 lbs)

<sup>1</sup> The indicated patient weight is a guideline only – there may be deviations.

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

### Combinations

The SupportVest is intended for use only with Liko Sabina™ sit-to-stand lifts (different models available). We recommend Sabina sit-to-stand lift with Sabina 350 SlingBar (narrow).

### Other Combinations

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

