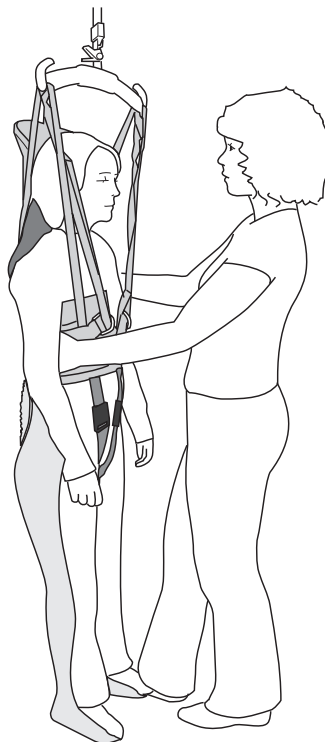


# Liko™ Vest for StandingShell, Mod. 67 TeddyVest for StandingShell, Mod. 67



## Instruction Guide



## Product Description

This instruction guide is valid for Liko Vest for StandingShell and TeddyVest for StandingShell, but in the following text we will only use the name Liko Vest for StandingShell.

The Vest for StandingShell has been developed by Liko as a special aid for raising a patient who stands with the aid of a so-called standing shell. Liko Vest for StandingShell is designed for lifting the patient and standing shell together in a special way, independent of the design of the standing shell; i.e., no fixtures or alterations to the standing shell are required.

The accompanying Leg Harness is applied around the crotch as an extra safety feature that prevents the Vest for StandingShell from sliding up.

Once standing, the patient can stand in a standing frame for the shell or in a standing wheelchair.

Liko Vest for StandingShell in size XS and S are made of a Teddy bear patterned polyester fabric and this is why these slings are called TeddyVest for StandingShell. Vest for StandingShell in size M is made of green polyester.


The Vest for StandingShell is intended for use with Liko's overhead lifts or our Golvo™ mobile lift. In some cases, a combination with Uno™ mobile lift or Viking™ mobile lift may work well.

For lifting the patient to and from the standing shell, an appropriate sling is selected according to the patient's condition and need for support. In these instructions, we describe lifting with the help of Liko SilhouetteSling, a thin and pliable sling that provides support for the whole body.

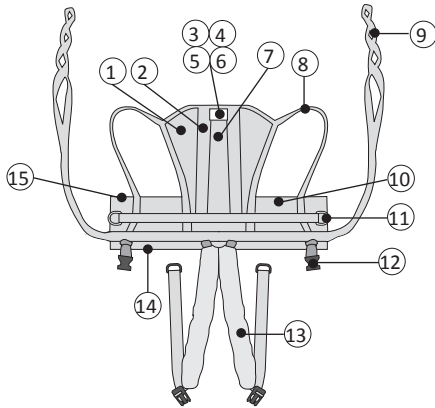
Visit our website, [www.liko.com](http://www.liko.com), for information and news about Liko's entire product range.

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

 is a warning triangle used for situations which require 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

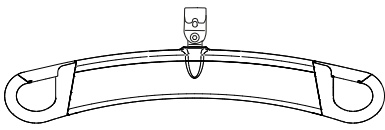
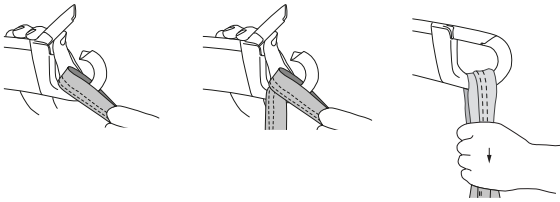
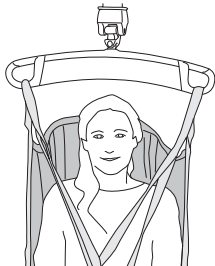
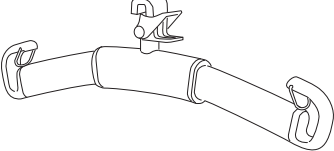
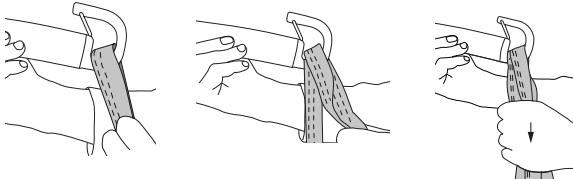



1. Head support
2. Laths
3. Product label
4. Serial number
5. Label: Periodic Inspection
6. Label: Individual marking (Belongs to)
7. Size marking
8. Support strap
9. Loop strap
10. Vest
11. Metal D-ring
12. Front fasteners for leg harnesses
13. Leg Harness with padding
14. Lower edge
15. Upper edge

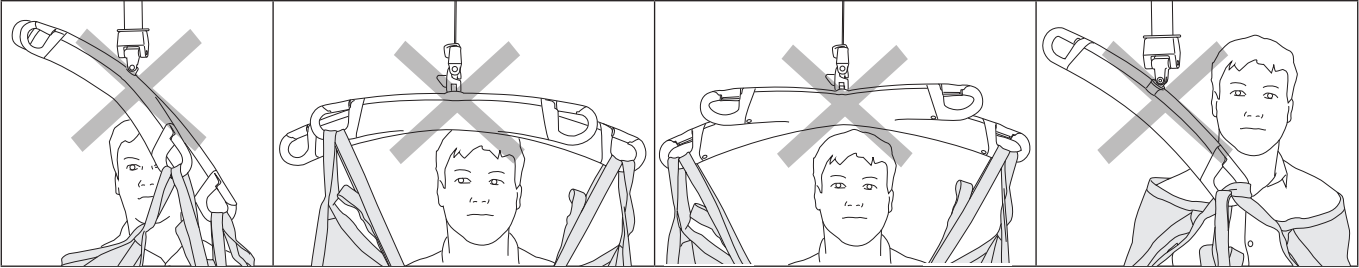
### **⚠ Before lifting, remember the following!**

- The need for one or more caregivers must be determined from case to case.
- 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.
- Before lifting, check that the lifting accessory hangs vertically and can move freely.
- Although Liko's sling bars are equipped with latches, particular care should be taken. Before the patient is lifted from the underlying surface, but after the straps have been fully extended, make sure the straps are properly hooked to the sling bar.
- Never lift a patient higher above the underlying surface than is necessary for the lifting and transfer procedure.
- Make sure the patient is sitting securely in the sling before transferring to another location.
- Never leave a patient unattended during a lifting situation.
- Make sure the wheels on the wheelchair, bed, gurney, etc. are locked during the lifting/transfer operation.
- Always work ergonomically.

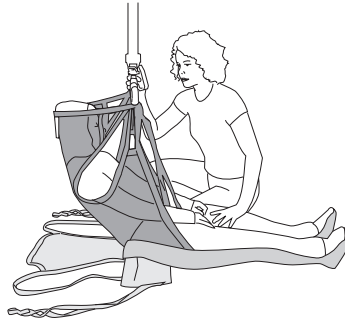
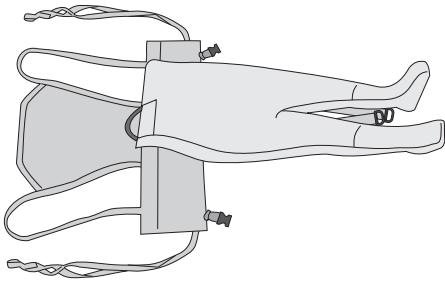
# How to Attach a Sling to Different Sling Bars

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

## Wrong!

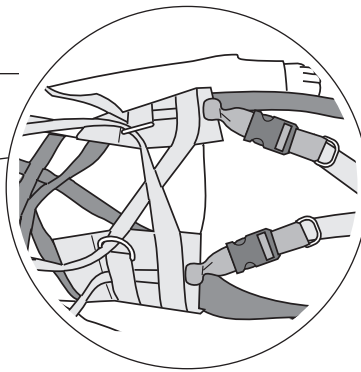
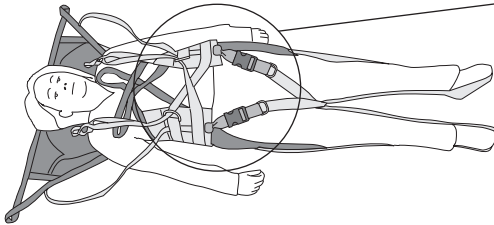


## Procedure



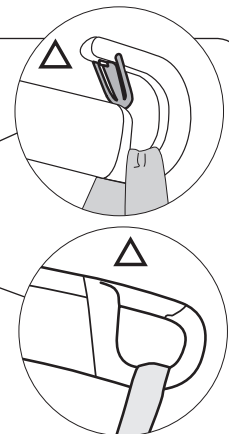
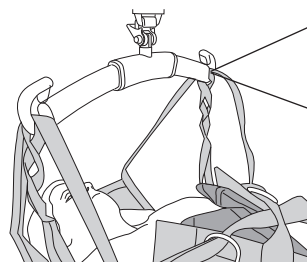
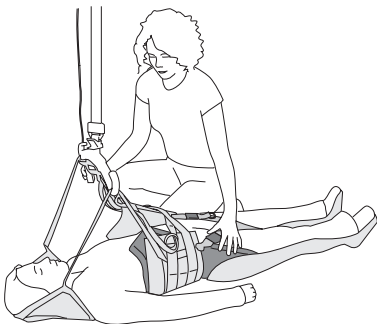
Lay the Vest for StandingShell on the floor and place the standing shell on top of the vest, so that its upper edge is slightly higher than the standing shell's upper edge. Pull the leg harnesses forward, so that they are accessible between the leg sections of the standing shell.

Lower the patient in such a way that his/her feet and legs will be correctly positioned in the standing shell. Continue lowering carefully until the patient is lying flat, ensuring that he/she has the necessary head support. Fasten the standing shell around the patient according to the instructions.



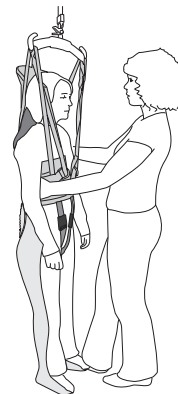
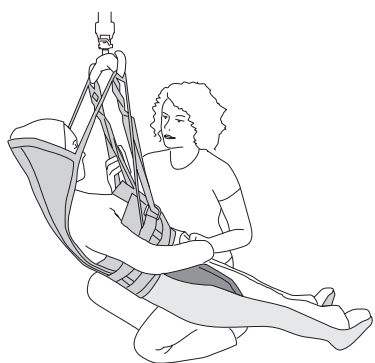
If appropriate, the sling can be left on the patient, but the leg supports should be adjusted so as not to cause inconvenience or discomfort.

Take hold of the loop straps, cross them and pass one through each metal D-ring. Connect leg harness fasteners and adjust leg harness length.



Hang the selected loop strap loops on the sling bar hooks (see Guidelines for Fitting, below), then hook on the support straps and run the lift up until the straps are extended. Check to ensure that the support straps can move freely over the loop straps during continued raising of the lift.



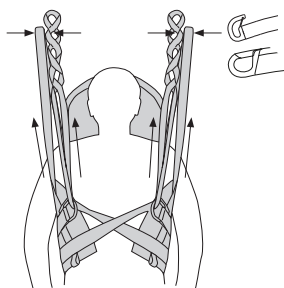


Continue raising, holding the patient's hands in front of the body if necessary. Make sure there is adequate head support and that the support straps can move freely in the sling bar hooks. Adjust leg harness tension if necessary, e.g., if the vest tends to slide upwards.

In the upright position, the patient should be secured, in a standing frame or at a standing table. If necessary, unhook the loops of the Vest for StandingShell from the sling bar.

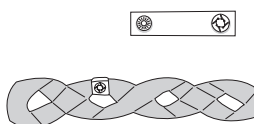
After completing standing training, the patient is lowered and lifted back to, for example, the wheelchair, in the reverse order.

## Guidelines for Fitting



When the vest is applied around the patient and the standing shell, and the loop straps have been fitted as described above, the loop straps should reach up to the highest point of the support straps when all straps are fully extended.

Select the loop that corresponds to the length of the support strap. If in doubt, choose the loop whose upper end is immediately below the highest point of the support strap.



### 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 sling bar.

## Accessories

### Padded case

Prod. No. 3666021

Padded cases for the front support straps are available as an accessory. These are ideal for patients who are sensitive to pressure from the straps.

Padded cases are equipped with a velcro strip along one side for easy application.



## Overview, Liko™ Vest for StandingShell, Mod. 67

Product	Prod. No.	Size	Material	Patient weight <sup>1</sup>	Max. load <sup>2</sup>
TeddyVest for StandingShell	3567812	XXS Extra Extra Small	Teddy bear patterned polyester	< 15 kg (33 lbs.)	200 kg (440 lbs.)
TeddyVest for StandingShell	3567813	XS Extra Small	Teddy bear patterned polyester	10-20 kg (22-44 lbs.)	200 kg (440 lbs.)
TeddyVest for StandingShell	3567814	S Small	Teddy bear patterned polyester	20-40 kg (44-88 lbs.)	200 kg (440 lbs.)
Liko Vest for StandingShell	3567115	M Medium	Polyester	40-60 kg (88-132 lbs.)	200 kg (440 lbs.)
Liko Vest for StandingShell	3567116	L Large	Polyester	60-80 kg (132-176 lbs.)	200 kg (440 lbs.)

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

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

**When selecting size, remember that the standing shell must fit inside the vest.**

**Laundering:** 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 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 Periodic Inspection for the respective product.

## Recommended Combinations

#### Recommended combinations of Liko Vest for StandingShell and Liko's slingbars:

	Mini 220	Universal 350	Slim 350	Sling bar 450 <sup>1</sup>	Universal 600	Wide 670	Twin bars 670 <sup>2</sup>
TeddyVest for StandingShell, XXS	1	1	1	1	3	3	3
TeddyVest for StandingShell, XS	1	1	1	1	3	3	3
TeddyVest for StandingShell, S	1	1	1	1	3	3	3
Liko Vest for StandingShell, M	2	1	1	1	3	3	3
Liko Vest for StandingShell, L	2	1	1	1	3	2	3

#### Code:

- 1 Recommended
- 2 Possible
- 3 Not advisable
- 4 Inappropriate

<sup>1</sup> 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.

<sup>2</sup> Twin bars 670 relates to Universal TwinBar 670 Prod. No 3156077, and 3156087, and also SlingGuard 670 Twin Prod. No. 3308040 and 3308540.

Combinations with Liko Vest for StandingShell and Cross-bar, Cross-bar 450/670 or Side bars is not appropriate.

#### Other Combinations

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

 Medical technical Class I product

Liko Vest for StandingShell 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](http://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.

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 Hill-Rom representative for updated information and advice.

### Important!

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 instruction guides is essential. Only trained personnel should use the equipment.

Make certain that the lift 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 strap loops. Never use damaged accessories! When in doubt, contact the manufacturer or supplier.



[www.hill-rom.com](http://www.hill-rom.com) | [www.liko.com](http://www.liko.com)

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