

## Product Description

Lifting very heavy patients requires special techniques and specially designed lift equipment. Liko has developed the Ultra product series to help lift such patients in a safe and comfortable manner.

The Liko Ultra Lift Pants also give very heavy patients the chance to practice standing and gait training without risk of falling. They also reduce the risk of injuries to caregivers.

The Liko Ultra Lift Pants aid in safe standing and gait training for patients with poor balance and poor leg function. The Lift Pants allow the patient to move while relieving him/her of a greater or lesser degree of body weight.

The Liko Ultra Lift Pants are equipped with two hip straps on either side for more even weight distribution. There are two different sizes.

### Selecting a suitable lift

We recommend that at least two caregivers be present when transferring a patient.

The Liko Ultra Lift Pants can be used along with Liko's overhead or mobile lifts. An overhead lift can be used by the patient for unrestricted movement within the lift's lifting area. You can choose between:

- Liko's UltraTwin system with two lift units. The maximum load is 500 kg (1100 lbs.), depending on which individual products are included in the assembled lift system. The UltraTwin system is available for both stationary installation and for freestanding installation in the UltraTwin FreeSpan.
- Viking XL for lifting up to 300 kg (660 lbs.). May be equipped with arm rest to give extra support during standing- and gait training

*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 that demand extra care and attention.**

 **Read the instruction guide for both the sling and the lift used.**

**Instruction guides are available for downloading, free of charge, at [www.liko.com](http://www.liko.com).**

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# Safety Instructions

## **△ Before lifting, remember the following:**

- Decide on a case by case basis whether you need one or more caregivers.
- Plan the lifting operation before the lift to make it as safe and convenient as possible.
- Although Liko's slingbars 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 slingbar.
- Never lift a patient higher than what is appropriate given the patient's condition. Adjust the lift's maximum lifting height in order to make it impossible to lift a patient higher than he/she wants.
- 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.
- Make sure that the lift used has a working emergency lowering device.

## **CE** Medical technical class I product

Liko Ultra Lift Pants have been tested by an accredited testing institute and comply with all requirements for MDD Class I products and the harmonized EN ISO 10535 standard.

Under patent in the USA. Patent pending in Canada and Europe.

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

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

## **i** **IMPORTANT!**

Lifting and transferring a patient always involves a certain level of risk. Read the instruction guide for both the patient lift and lifting accessories before use. It is important to completely understand the contents of the instruction guide. 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.

## **Care and Maintenance**

Inspect the sling regularly, especially after washing. Inspect the following points with regard to wear and damage:

- Fabric
- Straps
- Seams
- Suspension loops
- Buckles

Do not use damaged lifting accessories.

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

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

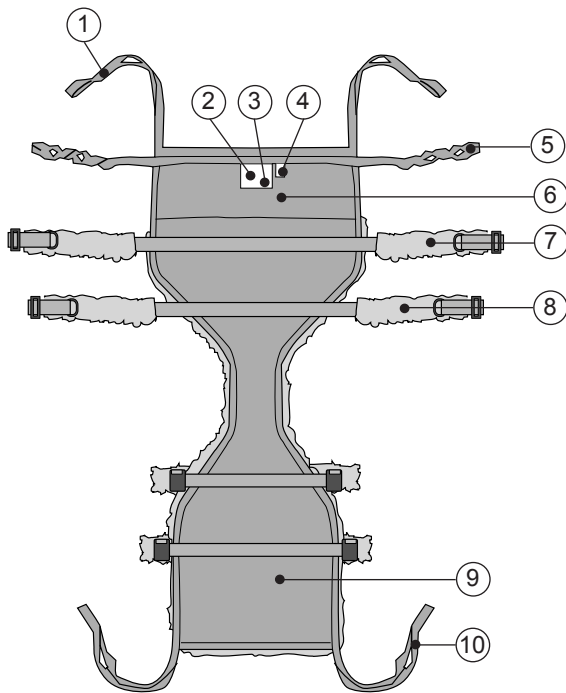
## **Expected Life Time**

The product has an expected life time of 1-3 years with normal use. Expected life time varies depending on the fabric, use frequency, washing procedure, and weight carried.

## **Periodic Inspection**

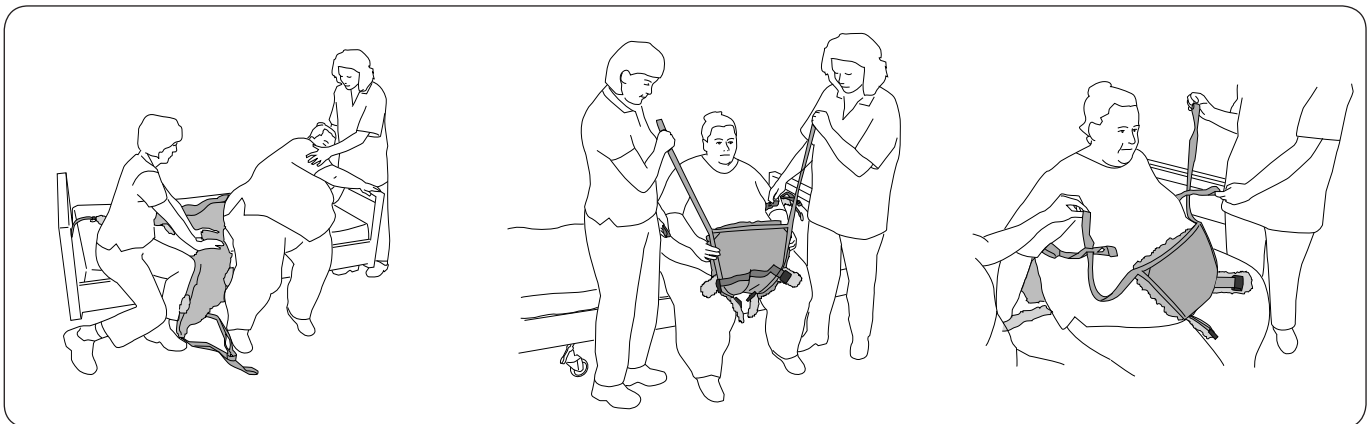
The product must be inspected at least once every 6 months. More frequent inspections might be required if the product is used or washed more often than normal. See Liko's protocol Periodic Inspection for the respective product.

## Definitions



1. Rear suspension straps
2. Product label
3. Serial number
4. Size marking (only for size XXL)
5. Loop straps
6. Rear part
7. Upper hip strap
8. Lower hip strap
9. Front part
10. Front suspension strap

## Applying the Lift Pants

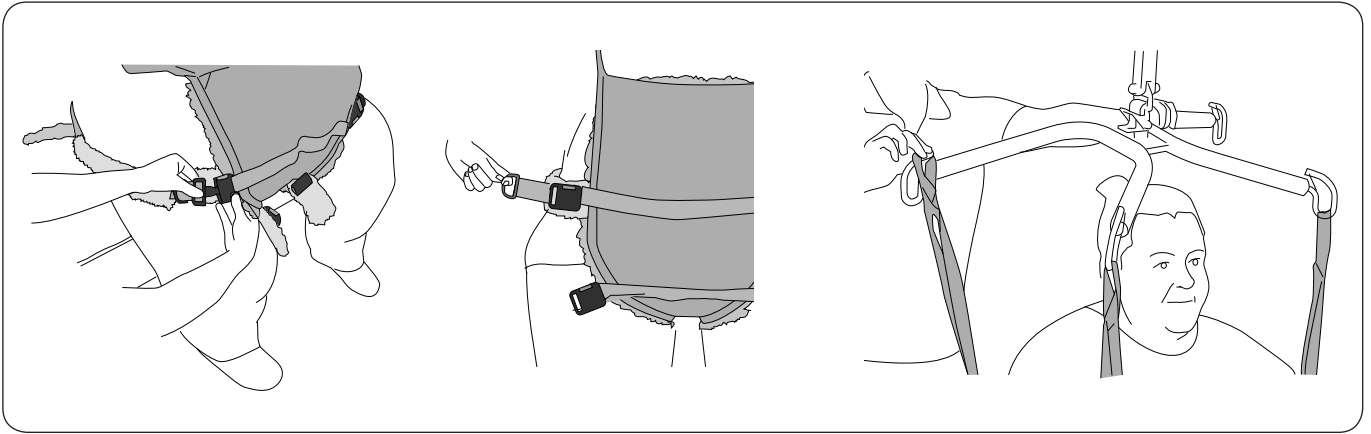


The initial position when using the Liko Ultra Lift Pants are the sitting position. The patient leans to the side so that the Lift Pants can be slid into place under the buttocks. Place the Lift Pants as far under the patient as possible with the product label facing out from the back. Make sure that the Lift Pants are centered and in a good position with as much pant material in back as in front. Adjust as needed.

Pull the front section of the Lift Pants up between the legs so that the hip straps are accessible from the front.

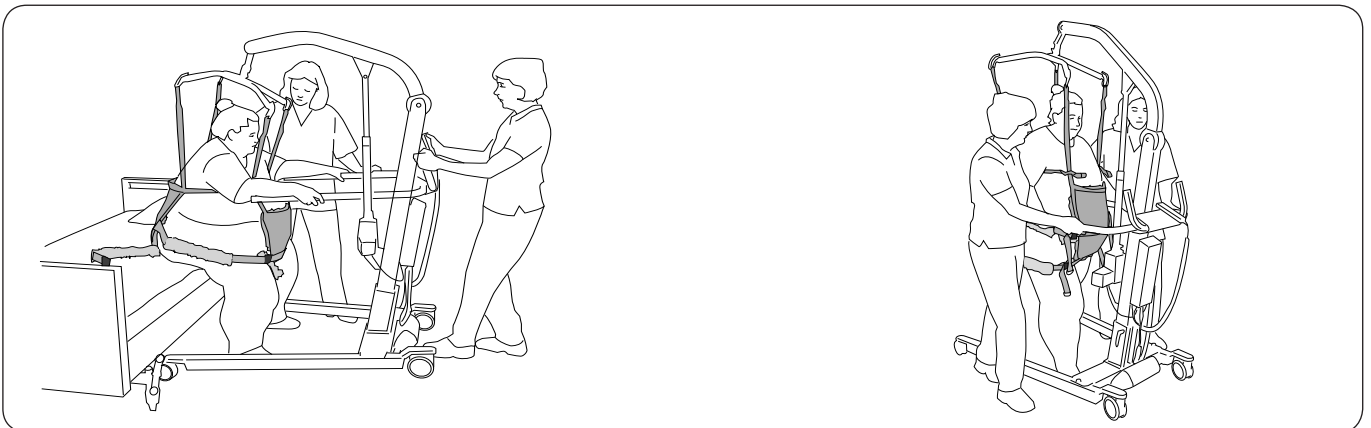
Feed the front suspension straps through the loop straps using the appropriate loop (see page 6, Adjusting the Loop Straps).

**Alternative application of the Liko Ultra Lift Pants:** The patient can be lifted in a normal sling and then lowered onto the Lift Pants placed on a chair or at the edge of the bed. The sling used can be e.g. the Liko Ultra Sling Mod. 06, Liko Original High Back Sling Mod. 20 or Liko Soft Original High Back Sling Mod. 26. This application makes it easier if for some reason the patient cannot lean to the side, or if there is no room to apply the Lift Pants from the side.



Fasten the hip strap's buckles and pull tight. Depending on the size of the patient, either one or both hip straps may be fastened from the standing position.

Connect the rear suspension straps onto the rear hooks on the slingbar, or onto the rear slingbar. Connect the front suspension straps to the front hooks on the slingbar or to the front slingbar. The outermost strap loop is the most commonly used.

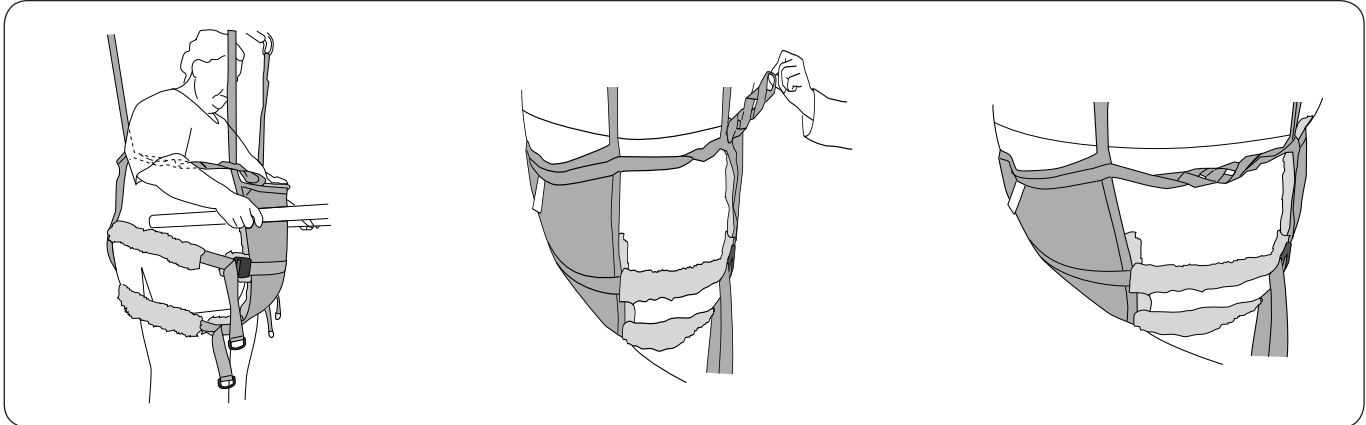


**Before assisting the patient to his/her feet:** Make sure the patient has a steady footing on the floor to lighten the load during the raising. Run the lift slightly upwards to apply tension to the suspension straps without lifting the buttocks, and make sure that the loop straps are providing adequate support around the patient's upper body.

**During the lifting operation:** Pull the lift forward in the direction of movement so that weight transfer takes place properly until the patient is upright and well-balanced.

When the patient has gained his/her balance standing, the lifting height is adjusted to provide appropriate relief with help from the Lift Pants. Gait training can now begin!

## Adjusting the Loop Straps

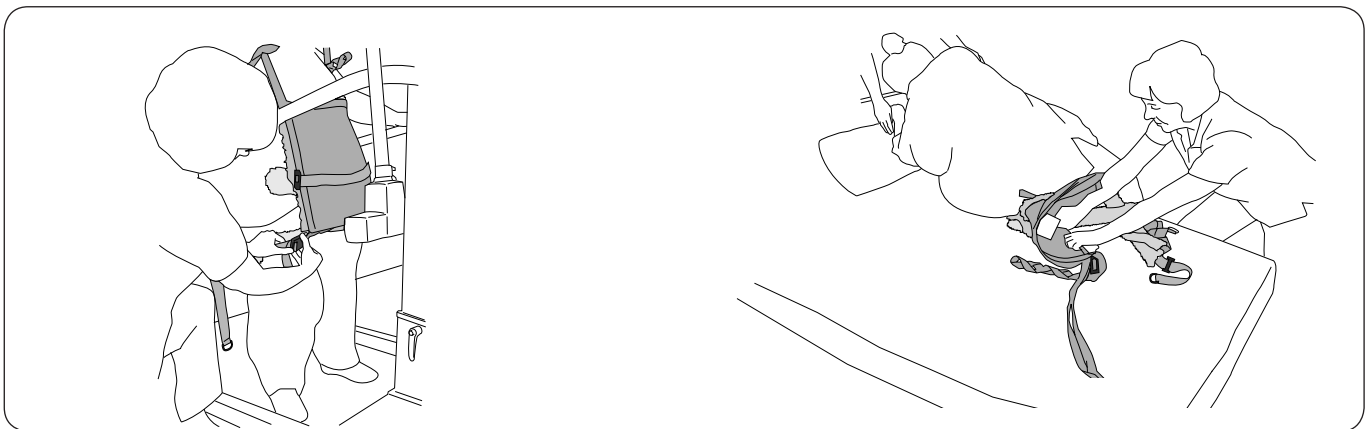


The loop straps should be neither too loose nor too tight around the upper body. Resistance with comfort is best.

A smaller person can have the suspension straps fed through an inner loop.

A larger person can have the suspension straps fed through an outer loop.

## Removing the Lift Pants



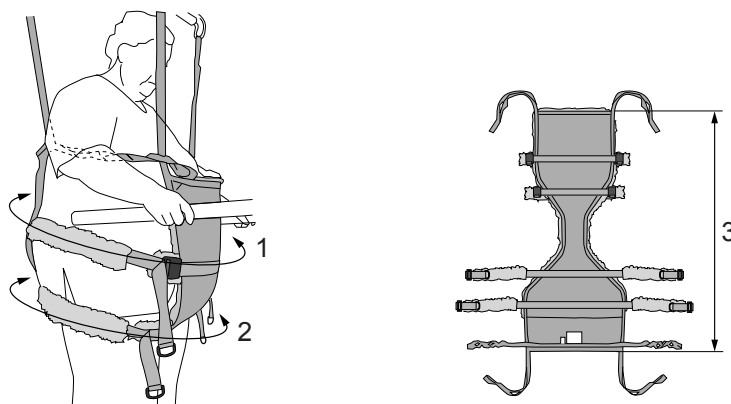
Loosen the hip straps before lowering the patient down into a sitting position to avoid undue pressure from the hip straps.

The patient leans to the side. Seize hold of the outer corner of the rear part of the Lift Pants. Now fold the Lift Pants in under itself and pull it away.

## Choosing the right size

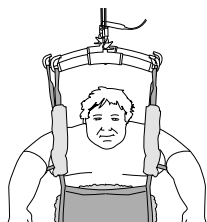
Choosing the right size is important for a safe and secure lift and for reaching the required lift height. Liko Ultra Lift Pants should reach above waist height but not so high that the loop straps cut into the armpits. Refer to the measurement table below for guidance. Size XXXL has higher fabric sections and longer hip straps in order to reach around a larger belly.

△ Do not choose too large size as this can mean that the required lift height cannot be achieved.



Measurement	1	2	3
XXL	185-260 cm (73-102 inch.)	150-210 cm (59-83 inch.)	140 cm (55 inch.)
XXXL	185-300 cm (73-118 inch.)	150-250 cm (59-98 inch.)	150 cm (59 inch.)

## Accessories

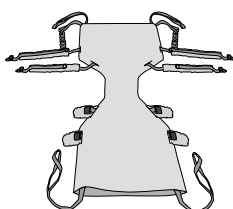
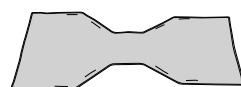


### Padded cases for shoulder strap

Prod. No. 3666021

Pressure-relieving padded cases for mounting onto the forward and/or rear suspension straps.

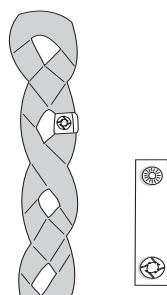
The padded cases come with Velcro along one longitudinal side for easy mounting.



### Solo Cover for Ultra Lift Pants (XXL/XXXL)

Prod. No. 3692908

Solo Cover for Ultra Lift Pants (XXL and XXXL) is a protective cover made from disposable material. It is used to avoid dirtying the Lift Pants and to prevent contagion.



### Loop Clips

Prod. No. 3666033-37

A practical accessory for indicating the loops that work for a certain person. This makes it easier for caregivers to choose the right loop when applying the Lift Pants.

# Overview, Liko Ultra Lift Pants, Mod. 920

Name	Prod. No.	Size	Patient weight*	Patient height*	Maximum load	Material
Liko Ultra Lift Pants	35920328	XXL	200-500 kg (440-1100 lbs.)	170-210 cm (67-83 inch.)	500 kg (1100 lbs.)	Net polyester
Liko Ultra Lift Pants	35920329	XXXL	200-500 kg (440-1100 lbs.)	170-210 cm (67-83 inch.)	500 kg (1100 lbs.)	Net polyester

\* NOTE! The indicated patient weight and height are only guidelines – there may be deviations.

To choose the right size – refer to "Choosing the right size" on page 7.

## Recommended combinations

When using one lift system (Likorall 243 and 250, Viking L and XL)

Recommended combinations of the Liko Ultra Lift Pants with Liko's slingbars:	Mini 220	Slim 350	Universal 350	Standard 450	Universal 450	Universal 600	Wide 670	Univ. Twinbar 670	Ultra Slingbar	Cross Bar	Cross Bar 450	Cross Bar 670	Side bars + Slim 350	Univ. Side bars + Universal 350	Side bars + Standard 450	Univ. Side bars + Universal 450
	Ultra Lift Pants, XXL	3	2	3	2	2	1	1	1	4	4	1	1	4	4	4
Ultra Lift Pants, XXXL	3	3	3	2	2	1	1	1	4	4	1	1	4	4	4	4

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

When using two lift units (UltraTwin), only the below combinations are possible

Recommended combinations of the Liko Ultra Lift Pants with Liko's slingbars:	Mini 220	Slim 350	Universal 350	Standard 450	Universal 450	Universal 600	Ultra Slingbar
	Ultra Lift Pants, XXL	3	3	2	1	1	1
Ultra Lift Pants, XXXL	3	3	2	1	1	1	1

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

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