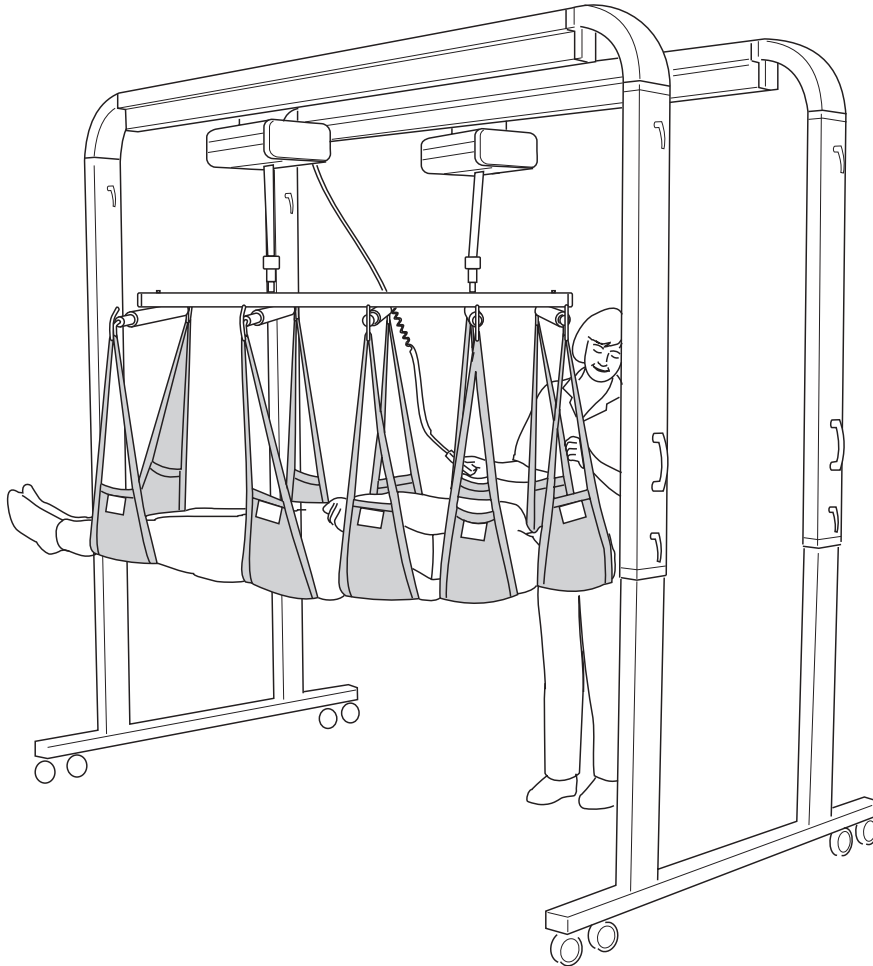


**Applies to the following models:**

UltraStretch Prod. No. 3156058



## Product Description

UltraStretch is intended for lifting and transfer of heavy patients in a fully supine position.

UltraStretch is used in combination with Liko's lift system Ultra Twin FreeSpan, with rails 80 cm apart, or with UltraTwin in a fixed-rail installation.

UltraStretch is easily mounted to the lift units via its Quick-release Hooks. No tools are required.

The body support part consists of a lift sheet or five lift straps.

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

*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!**

Read instructions for the lift and accessories carefully before use. Lifting and transferring a person always presents a potential risk. A thorough understanding of the contents of instruction guides is essential. Only trained personnel should use the equipment. If you have questions, please contact Liko or your local Liko representative.

# Contents

Safety instructions .....	2
Definitions .....	3
Accessories .....	3
Assembly .....	3
Technical information/Dimensions .....	4
Application of the lift sheet.....	5-6
Application of the lift sheet with the help of a stretcher sheet.....	5
Application of the lift sheet with the help of sliding sheets .....	6
Application of lift straps.....	7
Lifting after application of sheet/straps .....	7

## △NOTE!

This instruction guide contains important information about the use of the product. All personnel who use this product must be thoroughly familiar with the contents of this instruction guide. Remember to keep the instructions where they are easily accessible for users of the product.



UltraStretch complies with the requirements of directives for Class I medical-technical products.

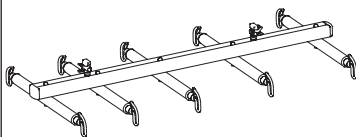
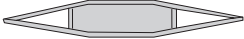
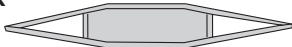

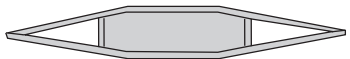
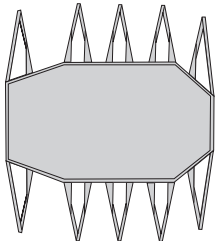
**Max. load: 400 kg (880 lbs.)**

## Safety instructions

### Before lifting with the stretcher, remember the following:

- We recommend that at least two people assist when using UltraStretch.
- Plan the lift carefully to ensure that it is performed as safely and conveniently as possible.
- Although Liko's sling bars are equipped with safety 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 stretcher.
- Never leave a patient unattended during a lifting situation.
- Make sure the wheels on the bed, gurney, etc. are locked during the lifting/transfer operation. In most cases, mobile lift wheels should not be locked.

## Definitions

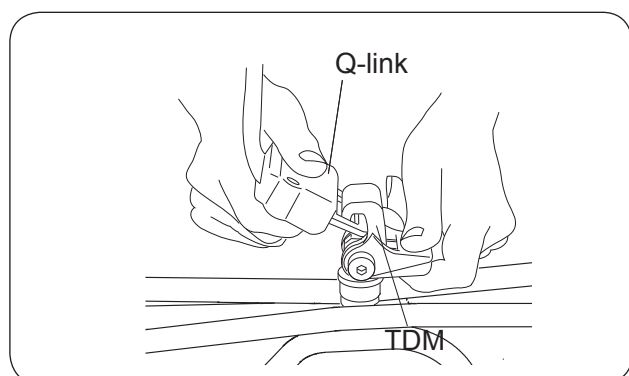
3156058	UltraStretch	pc.	
3684100	LiftStrap XL (sets of 5 straps; 2 pcs. XL80 + 3 pcs. XL100)	set	2 x  3 x 
3684101	LiftStrap XL80 (80 cm, 31.5 inch.)	pc.	
3684102	LiftStrap XL100 (100 cm, 39.4 inch.)	pc.	
3684105	LiftSheet XL regular (165 cm, 65 inch.)	pc.	
3684106	LiftSheet XL long (185 cm 73 inch.)	pc.	

## Accessories

### Scales

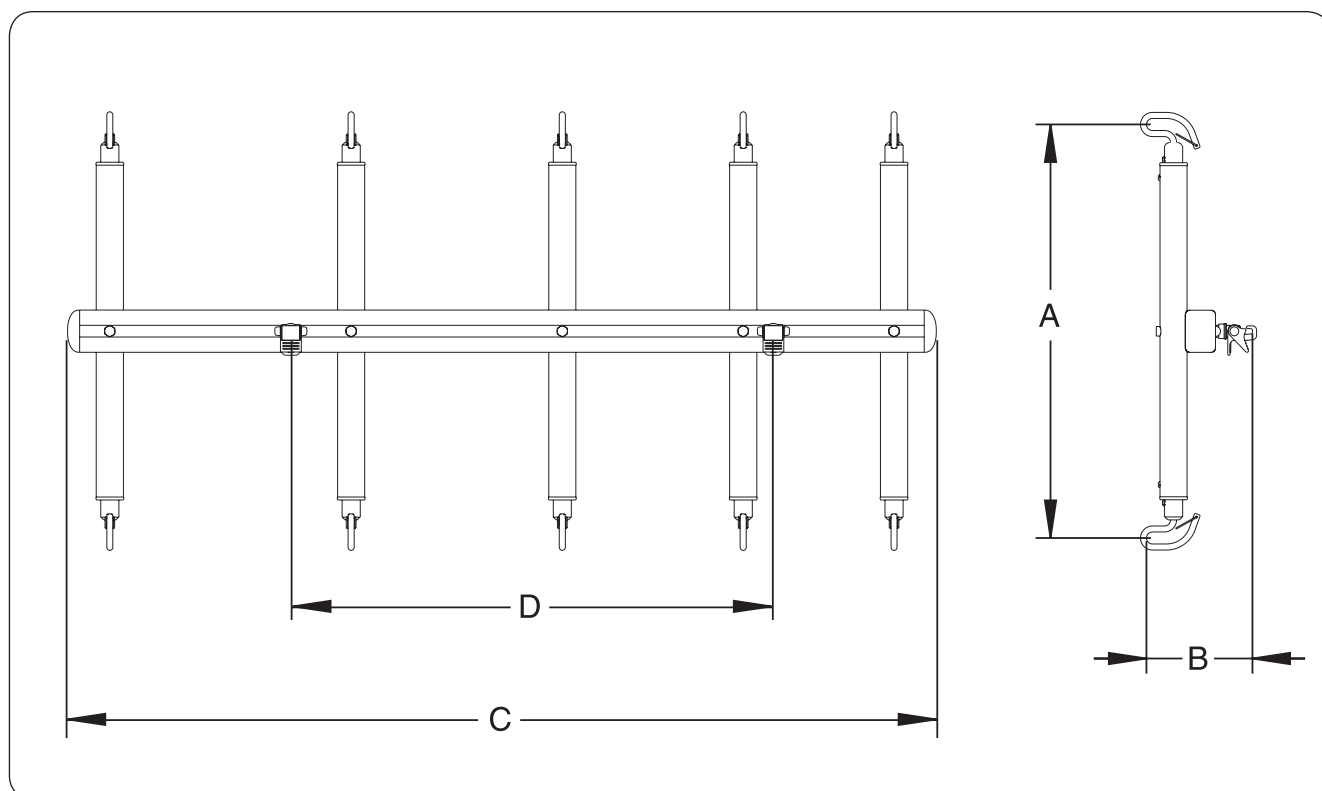
Liko's product range includes scales that can be quickly and easily connected to the lift for weighing patients during lifting. Two scales are required for Ultra Twin, and they can be mounted with TDM Quick-release Hooks. Contact your Liko representative for advice.

## Assembly



UltraStretch is connected to Liko UltraTwin, a stationary lift system with two lift motors on parallel rails. UltraTwin is mounted independently on Liko's lift system UltraTwin FreeSpan, with rails 80 cm apart, or on UltraTwin in a fixed-rail installation. UltraStretch comes with two TDM Quick-release Hooks, one for each lift unit.

## Technical information/Dimensions



	A	B	C	D	Weight
*	687 - 927	176	1440	800	13,2
**	27 - 36.5	6.9	56.7	31.5	29

\* Weight in kg. Measurements in mm.

\*\* Weight in lbs. Measurements in inches.

Max. load: 400kg. (880 lbs.)

## Lifting with a full sheet

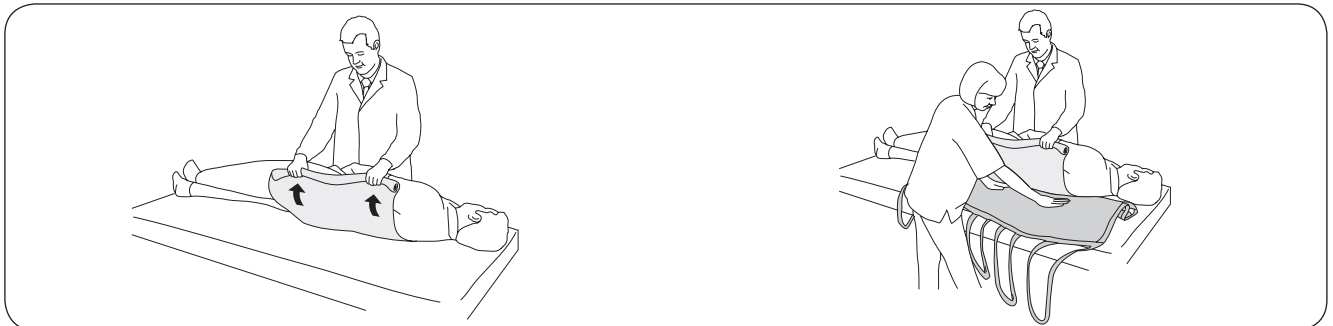
Naturally, when lifting with the full sheet, it is an advantage if the patient is mobile enough to be able to move onto the sheet unassisted. This is sometimes possible prior to surgery.

The operating table is prepared so that the lift sheet is placed under the surgical sheets, enabling the anaesthetized patient to be lifted after the operation.

Here, we present two alternative methods of applying the lift sheet under immobile patients: by turning the patient, and with the help of two sliding sheets.

### Alt. 1) Application of the lift sheet with the help of a stretcher sheet

Turning a heavy patient on one side is a strenuous operation that is easier with the help of an aid such as a stretcher sheet. Two or more caregivers should perform this task.



Turn the patient on one side by pulling the stretcher sheet towards you. **△ Make sure the patient has enough room on the bed to prevent any risk of falling off.** You may need to raise the side rails on the bed, if available.

Position the lift sheet in under the patient as far as possible. The label should be at the head end and face down. Bunch more of the sheet together in folds so that the patient is lying on the centre of the sheet when he/she is turned onto his/her back.

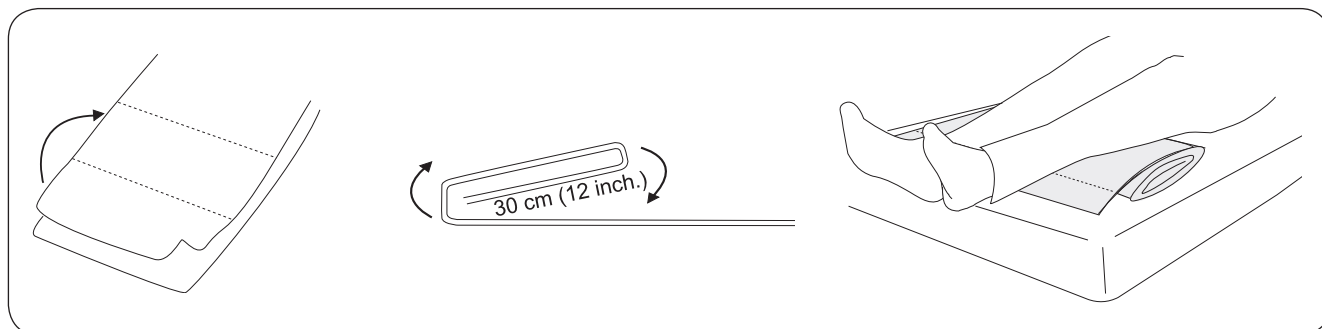


Turn the patient slightly in the opposite direction, so that the lift sheet can be smoothed out. At the same time, prepare to remove the stretcher sheet, if necessary, by folding it in under the patient before he/she is turned onto his/her back.

Turn the patient carefully, so that the stretcher sheet can be removed, if required. Lay the patient gently on his/her back. The patient shall now be positioned on the middle of the lift sheet, with support for the head.

## Alt. 2) Application of the lift sheet with the help of two sliding sheets

If the lift sheet is to be placed under a patient who cannot be turned on one side, a sliding sheet can be used. With the patient lying on his/her back, two folded sliding sheets are pulled into position under the patient and the lift sheet is pulled into place between the sliding sheets. Two or more caregivers should perform this task.

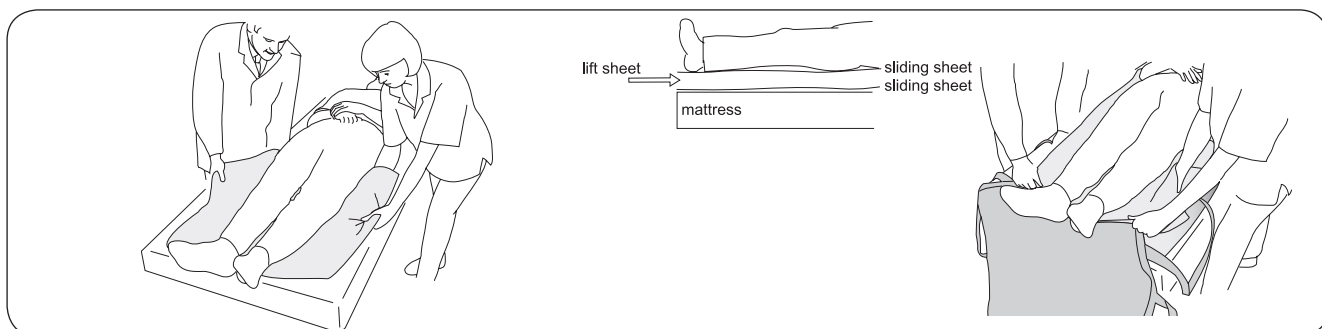


Lay out two sliding sheets, one on top of the other. Start by folding them together, about 30 cm (12 inch.) from the lower edge. Repeat this procedure, folding 30 cm (12 inch.) at a time until the entire length of the two sheets is folded. Turn the sheets so that the in-folds are facing the mattress. Place the folded sheets under the patient's feet and calves.



With their arms alongside the patient, the caregivers grasp the fold under the sliding sheets while holding the lower edge of the sheets in place with their other hands.

The caregivers then simultaneously unfold the first fold under the patient. The arms/hands closest to the patient do the unfolding, while the opposite arms/hands hold the lower part of the sheets in place.



The caregivers then take a firm grip on the next fold and repeat the procedure until the sliding sheets are fully extended under the patient.

The lift sheet is then inserted between the sliding sheets from the foot end and pulled up between the friction-free sliding sheets.

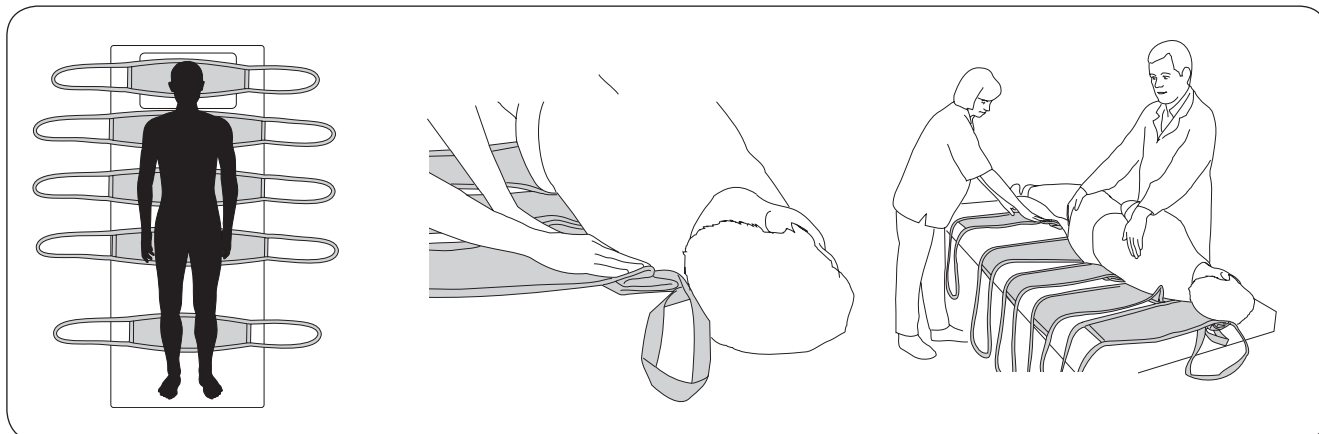


The lift sheet is now in place under the patient. The upper edge should extend far enough that it reaches up under the head.

Now, the top sliding sheet can be removed. The easiest way is to do this from the head end downwards, by doubling the sliding sheet and letting it glide "under itself" as it is pulled downwards.

## Application of lift straps

It is normally necessary to turn the patient when applying lift straps. For detailed instructions, see Application of the lift sheet.

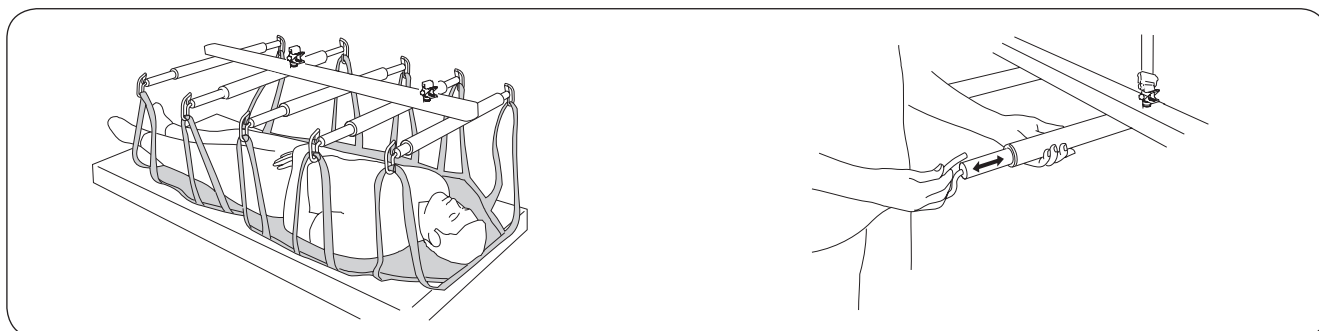


Lift straps are placed under the head, shoulders, back, buttocks and calves.

Straps are available in two lengths: 80 and 100 cm. LiftStrap XL 80 is intended for use under the head and calves, XL 100 under the torso.

The lift straps are removed either by turning the patient (see previous instructions) or by carefully pulling them out from under the patient.

## Lifting after application of sheet/straps



Move UltraStretch over the patient and lower it. Hang all the strap loops on the stretcher. Note that the stretcher has a head end and a foot end. Adjust the stretcher width (70 to 95 cm, 27.6 to 37.4 inch.) by extending the liftarms to the appropriate length.

**△ Make sure the strap loops are properly fastened when the straps are extended, but before the patient is lifted from the underlying surface.**

When lifting, ensure that the patient is suspended in the appropriate position: horizontally, or normally somewhat higher at the head end. If necessary, the lifting position can be adjusted by raising or lowering either one of UltraTwin's lift units.



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