

Product Description

LikoStretch 1900 is an aid to gentle lifting and transferring of patients in a horizontal position, where no pressure is applied to the patient's sides.

An open design facilitates lifting when the patient is connected to special equipment, such as tubes for respiratory aid.

LikoStretch 1900 can be used in several lifting situations with whole or split LiftSheets, depending on the application area. For example a split LiftSheet is suitable for gynaecological manoeuvres. Depending on the situation, the weight-bearing LiftSheet can either be placed on the bed before the patient lies down or be placed under a patient already lying down.

The self-locking feature for connecting the lift straps is easy to use and safe. LikoStretch 1900 folds easily and takes minimal storage space.

LikoStretch 1900 can be used together with a number of Liko's lifts such as the overhead lifts Likorall, Multirall, Liko MasterLift and the mobile lifts Viking L, Viking XL and Golvo.

LikoStretch 1900 is intended for lifting and transferring of patients in a horizontal position only. For lifting of patients in a sitting position, there is a wide range of slings in Liko's assortment; please see www.liko.com or contact your Liko representative.

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

△ is a warning triangle used for situations which require extra care and attention.

IMPORTANT!

Read the instruction guide for both the patient lift and lifting accessories before use. Lifting and transferring a person always involves a certain level of risk. It is important to completely understand the contents of the instruction guide. The equipment should be used by trained personnel only. Please contact Liko in the event of any uncertainties or questions.

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△ NOTE!

This instruction guide contains important information for the user of the product.

All those who use the product should study and completely understand the contents of the instruction guide.

Remember to keep the instruction guide in a place where it is always available to those using the product.

Safety Instructions

△ Keep the following in mind:

- Ensure that the lifting equipment is properly attached to the lift.
- Read the instruction guides for the lift and lifting accessories.
- Make sure that personnel using the lift are informed of the correct operation and use of the lift.
- We recommend that at least two persons assist during lifting with LikoStretch 1900.
- Before lifting, plan the lifting operation to make it as safe and comfortable as possible.
- Make sure that the wheels on beds, gurney, etc., are locked during the lifting/transferring operation. If a mobile lift is used, however, its wheels should be unlocked and be able to roll freely when it is used with a stretcher.
- After the straps have been fully extended, but before the patient is lifted from the underlying surface, make sure that the lift straps are properly connected to the stretcher.
- After the transfer the patient must rest completely on a firm surface before the straps are loosened from the strap locks.

△ Never leave a patient unattended during a lifting situation.



LikoStretch 1900 complies with the requirements for Medical Device Directive Class I products (MDD 93/42/EEC).

LikoStretch 1900 meets requirements with respect to EN ISO 10535.

Expected life time

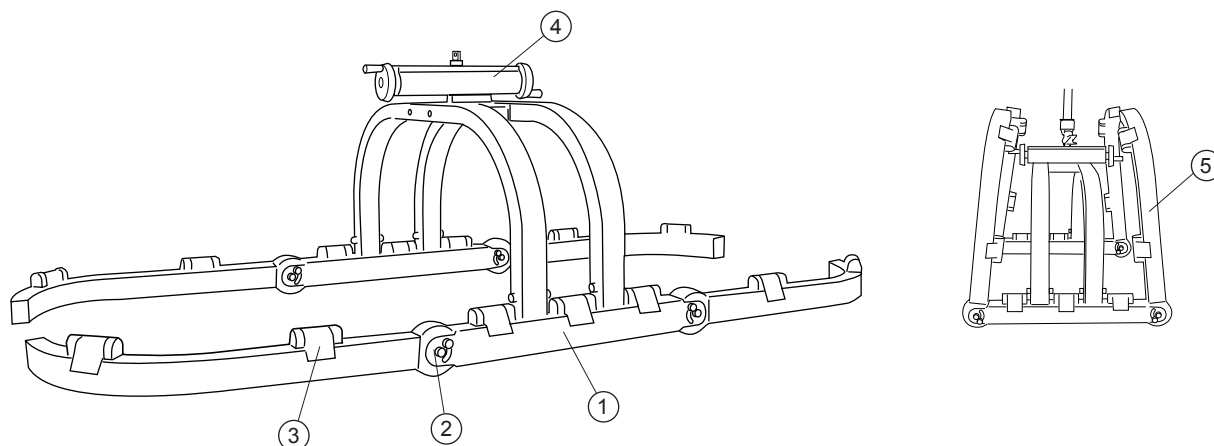
LiftSheet

Lift sheet has an expected life time of 2 years during normal use. Life time varies depending on, among other things, use frequency, amount of washing and weight carried.

Stretcher

The stretcher's expected life time: 10 years

Definitions



LikoStretch 1900

Prod. No. 3156051

Dimensions

Length: 1900 mm (74.80") [folded 695 mm (27.36")]

Width: 909 mm (35.79") [folded 909 mm (35.79")]

Height: 593 mm (23.35") [folded 697 mm (27.44")]

Weight

19 kg (42 lbs.)

Max. load: 250 kg (550 lbs.)

1. Stretcher in unfolded position
2. Joint (4 pcs.)
3. Strap lock (14 pcs.)
4. LikoStretch Leveller
5. Stretcher in folded position

For a complete lift system, the addition of a suitable LiftSheet is required.

See *Recommended lifting accessories* page 3-4.

Max. Load

Different maximum allowable loads may apply to different products in an assembled lift system, depending on the lifting accessories being used. For the assembled lift system, the lowest max. load indicated for the respective products always applies. Example: LikoStretch 1900 has a max. load of 250 kg (550 lbs). In combination with a lift with a lower max. load, the lower max. load applies to the assembled lift system.

Study the markings on the lift and lifting accessories or contact your Liko representative if you have any questions.

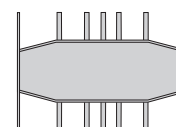
Recommended Lifting Accessories

△ Using other lifting accessories than those recommended below may induce risk.

LiftSheet 1900

Max. load: 250 kg (550 lbs.)

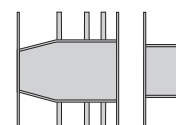
Prod. No. 3685705



LiftSheet 1900, 2-piece

Max. load: 250 kg (550 lbs.)/set

Prod. No. 3685704



Quick-Release Hook

Liko's Quick-Release Hook System is used for quick switching of lifting accessories on Liko's mobile and stationary lifts. For LikoStretch 1900, the Quick-Release Hook Universal is used in combination with one of Liko's quick fasteners.

Some of the Liko lifts are equipped with a Q-link as standard, e.g. Likorall 200, Likorall R2R and Multirall. Other lifts can be assembled with a quick release system (Q-link 13, Q-link or Adapter 22). Q-link 13 fits Viking L and Viking XL. Q-link fits Likorall and Golvo. Adapter 22 fits Liko MasterLift.

See the "Guide to Liko's Quick-Release Hook System", which can be downloaded from our website www.liko.com, or contact Liko for more information about the advantages and use of the Quick-release Hook system.



Quick-release Hook Universal

Prod. No. 3156508



Q-link 13

Prod. No. 3156509



Q-link

Prod. No. 31590005



Adapter 22

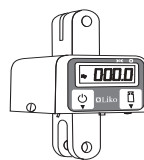
Prod. No. 3156505

Scale

For weighing patients in combination with the use of LikoStretch 1900, we recommend LikoScale 350 (Adapter Kit LikoScale Prod. No. 3156232 is required).

LikoScale 350 is certified according to the European Directive NAWI 90/384 (Non-Automatic Weighing Instruments).

Contact Liko for further information.



LikoScale 350
Prod. No. 3156228



Adapter Kit LikoScale
Prod. No. 3156232

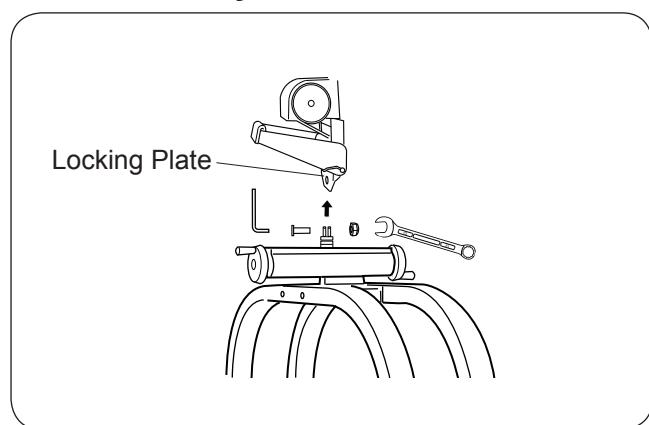
Adapter 12 mm

Prod. No. 2016504

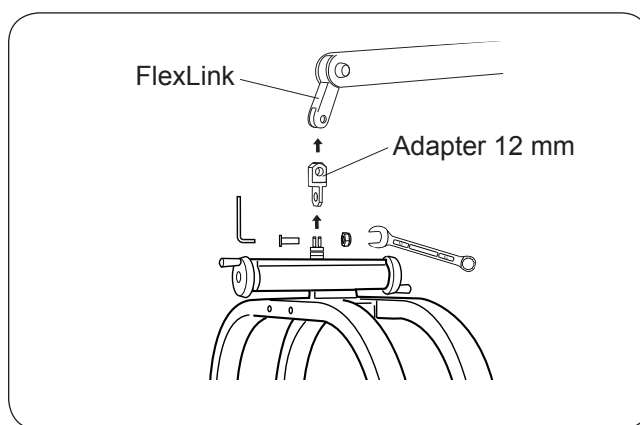


Assembly

Fixed Assembly



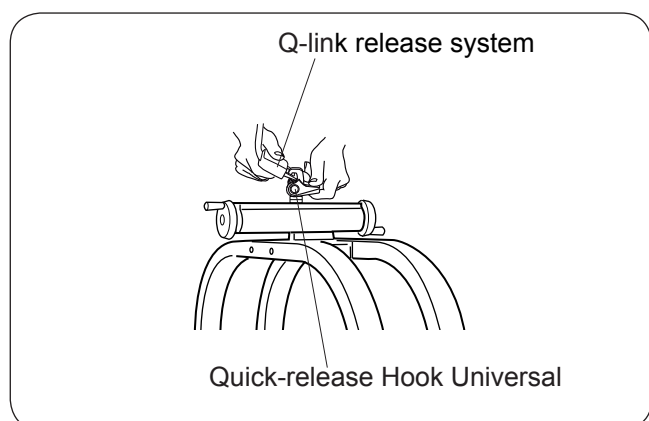
Liko MasterLift, Likorall (not 200, R2R) and Golvo
LikoStretch 1900 is assembled directly into the lift's locking plate; using a M10x25 screw and nut.
Recommended tools: 6 mm Allen wrench and 17 mm closed-end wrench.



Viking L, Viking XL

LikoStretch 1900 is assembled with Adapter 12 mm (see page 4), using a M10x25 screw and nut.
Recommended tools: 6 mm Allen wrench and 17 mm closed-end wrench.

Assembly with Quick-Release Hook



LikoStretch 1900 can be equipped with the Quick-Release Hook Universal for smooth and easy installation on the lift without tools. The lift must be equipped with Q-link release system in order to fit with the Quick-Release Hook Universal.

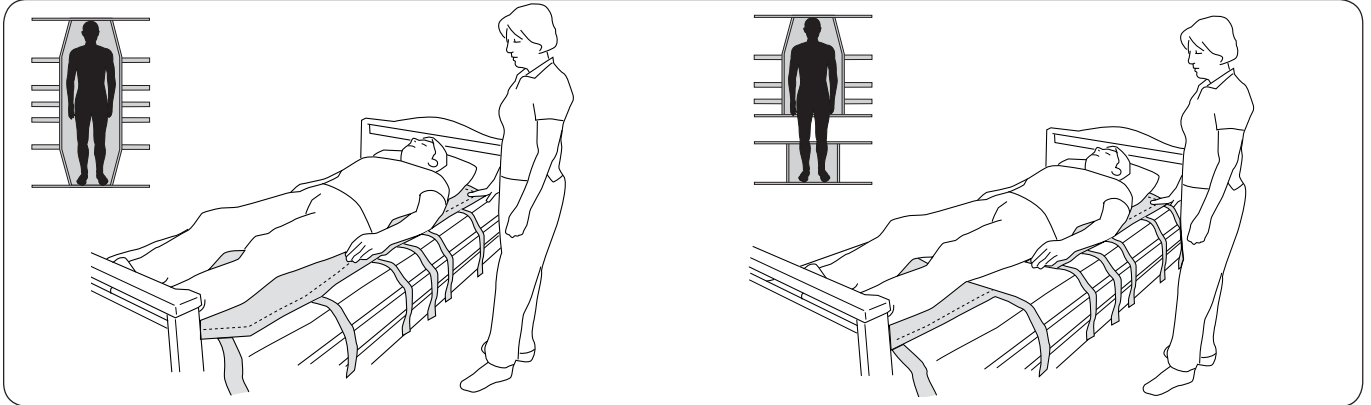
See Quick-Release Hook on page 3 for additional information.

Lifting with LikoStretch 1900

If LikoStretch 1900 is used on a surgical ward, a lift sheet is often placed under the operation sheet before the patient lies/is laid on the operating-table. If the weight bearing lift sheet is to be placed under a patient who is already lying on the stretcher, it should be done according to the description below.

For security reasons, the LikoStretch 1900 is designed so that the lift straps self-lock when load is applied to correctly attached straps. The lift straps can be loosened and moved only when the patient has been lowered to a firm surface.

Positioning of LiftSheet



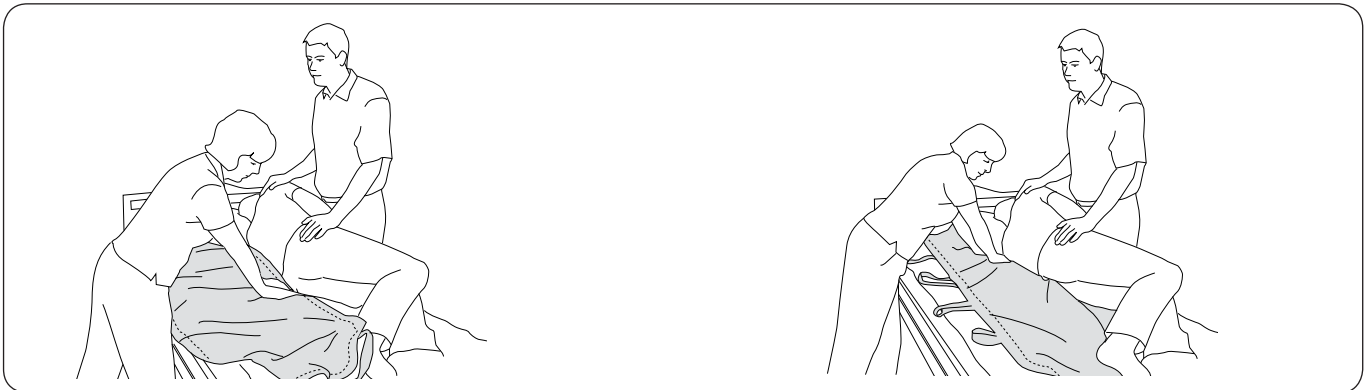
LiftSheet 1900

Place the patient with the head below the upper edge of the LiftSheet. The product label indicates outside, down towards the surface.

LiftSheet 1900, 2-piece

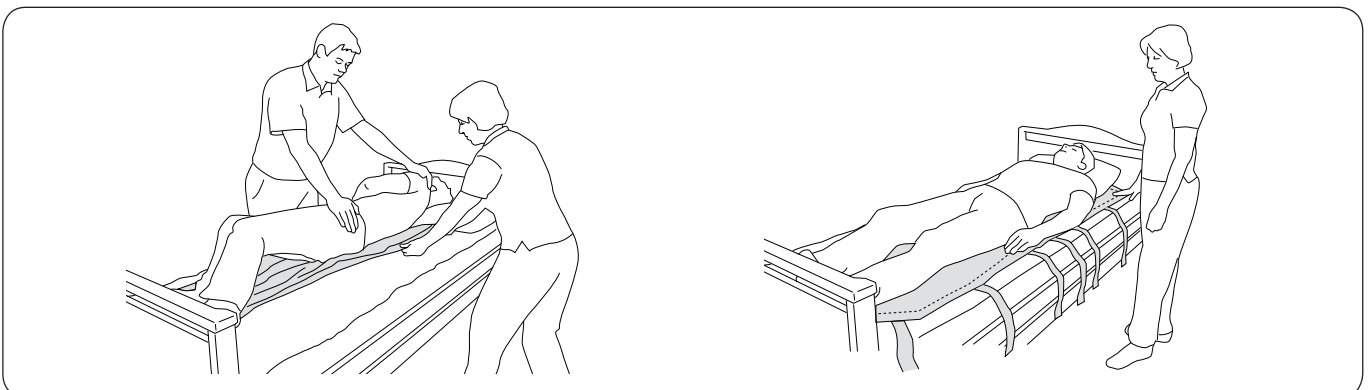
The 2-part lift sheet is placed under the patient so that the patient's head and trunk are fully supported by the larger lift sheet and the patient's lower legs lie on the small lift sheet, see figure. In the case of, for example, gynaecological surgery, the small lift sheet is temporarily removed.

Placement of LiftSheet



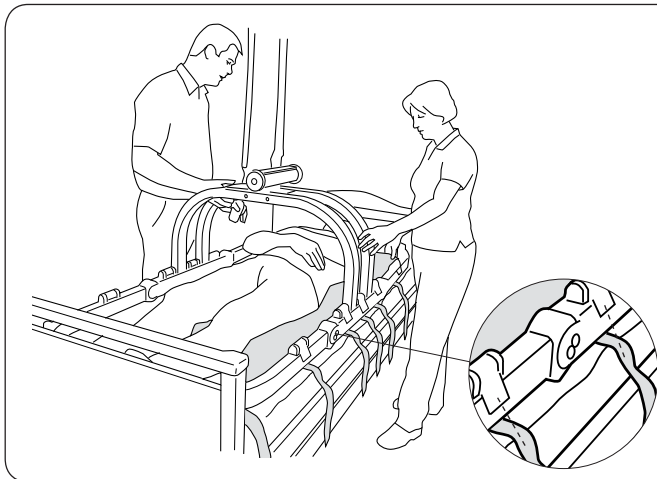
Turn the patient sideways. Fold in the lift straps under the LiftSheet, which should then be pushed in carefully under the patient.

Position the LiftSheet in a fold towards the patient. Carefully push the double-folded part under the patient. **Hint!** The placement is facilitated if the bed sheets are smooth.

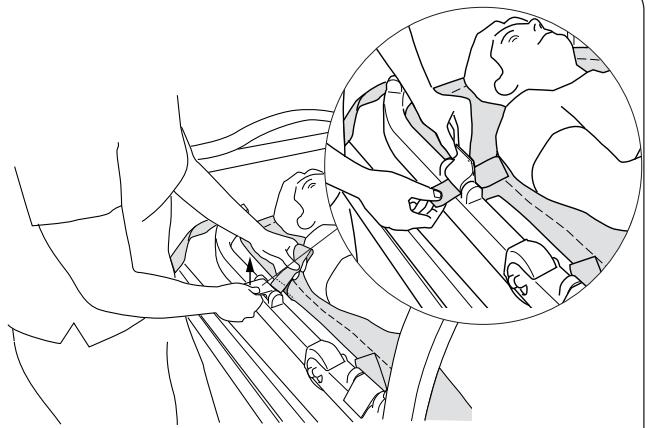


Turn the patient onto the other side and carefully work the LiftSheet forward under the patient.

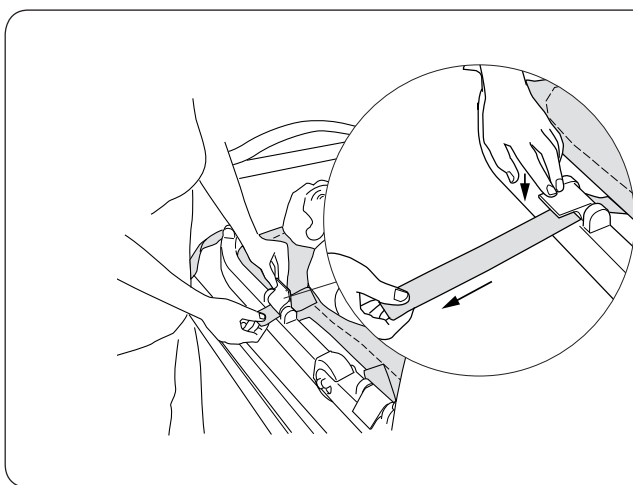
Check that the lift straps protrude about the same distance on both sides.



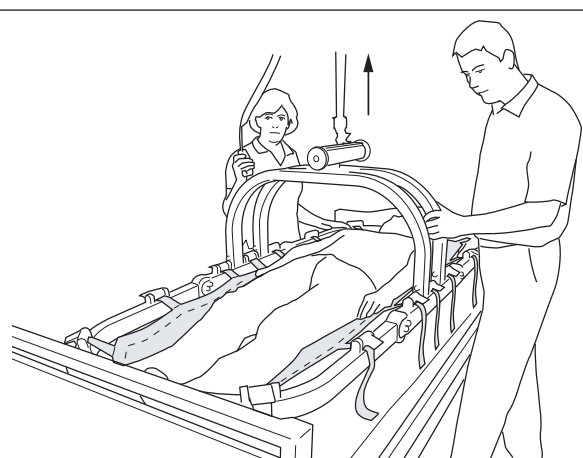
Lower the stretcher onto the bed and place strap locks on each lift strap.



Open the strap lock and insert the lift strap. Check that the strap is not double-folded or twisted.

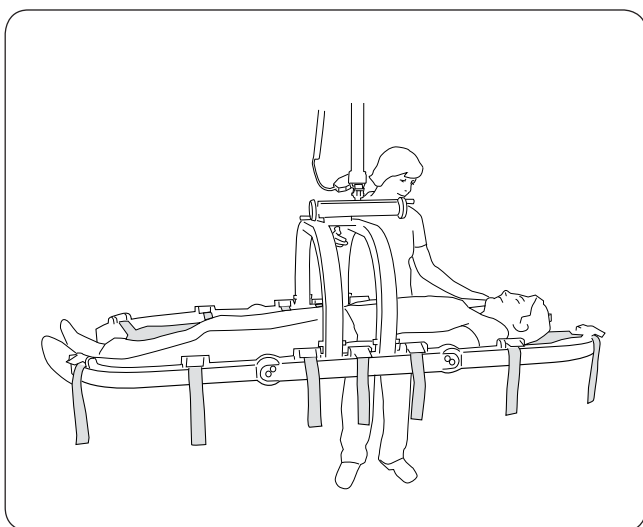


Stretch the strap and lock the strap lock with light pressure. Repeat this procedure for all lift straps.
Hint! Stretch the lift straps further for a more level position.

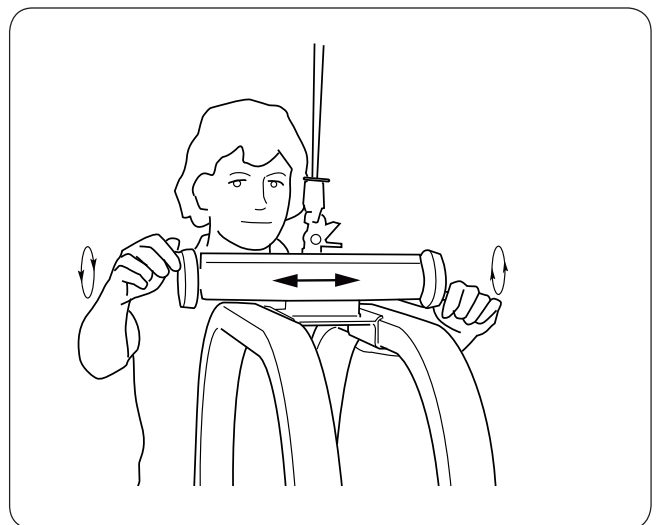


Lifting can begin. Before lifting the patient from the surface, ensure that the lift straps are correctly connected to the stretcher. Then check that the patient lies horizontally or with the head slightly higher. See below: Adjustment of the centre of gravity.

Adjustment of Center of Gravity



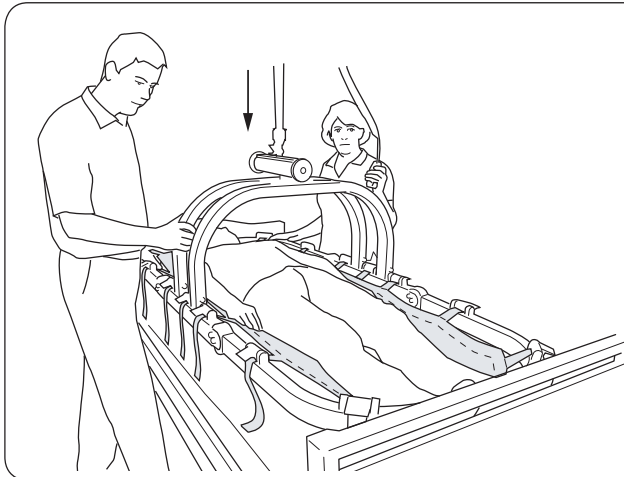
Ensure that the patient lies securely before transfer to another place.



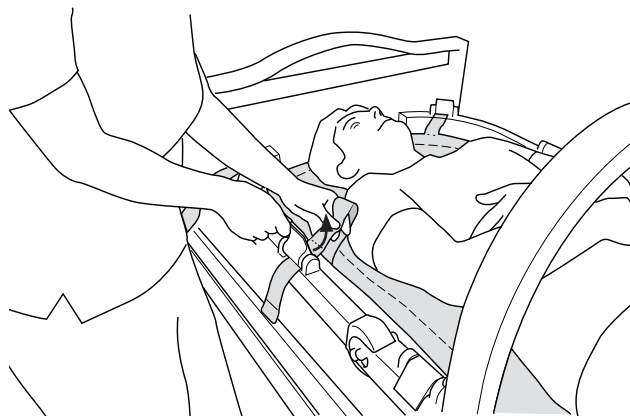
The patient's center of gravity can be easily adjusted while the patient is in an elevated position (lifted) by turning the knobs on the LikoStretch Leveler. See the label of the LikoStretch Leveler for guidelines.

Complete the Lifting

After transfer, the LiftSheet can be removed as described below.



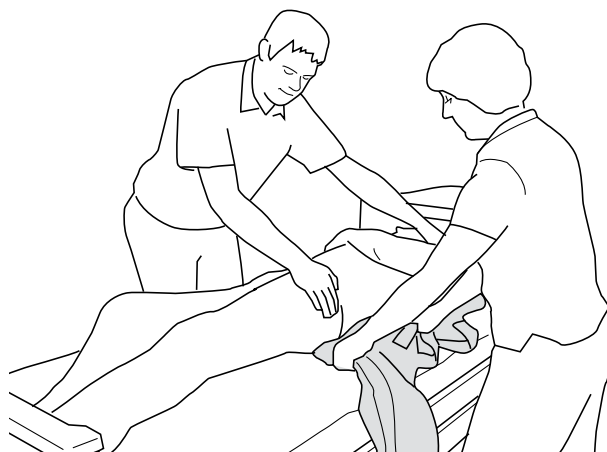
Lower the patient to a firm surface.



Release the lift straps completely from the strap locks. Lift up and remove the stretcher.



Turn the patient sideways. Fold in the lift straps under the LiftSheet and push it carefully under the patient.



Turn the patient onto the back again and pull away the LiftSheet gently.

Placing a LiftSheet under a patient who cannot be turned

If a patient's condition does not allow for turning sideways, the prescribed method for placing the LiftSheet is difficult to perform. With two HandySheets the LiftSheet can be pulled in under the patient without turning. Contact Liko for more information on HandySheet or visit www.liko.com.

Inspection and Maintenance

Care and Maintenance

LiftSheet

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

- fabric
- straps
- seams.

Do not use damaged lifting accessories. If anything is unclear, please contact the manufacturer or supplier.

Lift sheets must be inspected at least once every 6 months. The inspection interval must be shorter if lift sheets are used or washed more often than normal. See Liko's protocol for periodic inspection for the respective lift sheet model.

Washing instructions: see the lift sheet product label.

LikoStretch 1900

For trouble-free use, certain details should be checked each day the stretcher is used:

- inspect the stretcher and lifting accessories to make sure that there is no external damage
- check the self-locking feature of the strap locks.

When necessary, clean the stretcher with a moist cloth, using warm water or disinfectants.

NOTE! Do not use cleaning agents containing phenol or chlorine, as this can damage the aluminium and polyamide materials.

△ The stretcher should not be exposed to running water.

The stretcher must be inspected at least once per year. See Liko's protocol for periodic inspection.

Service LikoStretch 1900

Repairs, periodic inspections and maintenance may only be carried out by authorized Liko service personnel using original Liko spare parts.

Service Agreement

Liko offers the opportunity to enter into service contracts for the maintenance and regular inspection of your Liko product.

Recycling

For instructions on how to recycle your Liko product, please visit our website: www.liko.com.

Product Changes

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.

Design and Quality by Liko in Sweden

Liko is quality-certified in accordance with ISO 9001 and its equivalent for the medical device industry, ISO 13485. Liko is also certified in accordance with environmental standard ISO 14001.



A **Hill-Rom** Company

www.liko.com

Manufacturer:

Liko AB
SE-975 92 Luleå
Sweden
info@liko.se

National Distributor in USA and Canada:

Liko North America
122 Grove Street
Franklin, MA 02038
Tel: 508-553-3993, 888-545-6671
Fax: 508-528-6642
info@liko.com

Liko Distributor in UK:

Liko (UK) Ltd. • Brunel Centre,
Stroudwater Business Park,
Stonehouse, Gloucester
GL10 3RU, United Kingdom
Phone: +44 (0) 1453 827272
Fax: +44 (0) 1453 828844
info@liko.co.uk