

### Product Description

The MultiStraps are specially developed for versatile applications in healthcare. The MultiStraps are used for lifting and holding parts of the patient's body to facilitate examination, care and treatment. The MultiStraps can also be used for turning a patient in bed and supporting the patient in a lateral position. Instead of performing these tasks manually, the nursing staff should use the MultiStraps together with a lift and thereby avoid heavy and harmful strains.

Suitable application areas are for:

- Treatment of wounds, e.g. burns
- Hygiene
- Treatment, e.g. catheterization
- Examination
- Positioning of bedpan
- Dressing/Undressing
- Turning sideways.

The MultiStraps can be used alone or in pairs, e.g. for lifting both legs of the patient during catheterization.

The MultiStraps are available in different models/widths.

The narrower MultiStraps are often easier to place and give better access to a larger skin area. Choose a wider MultiStrap for larger support area and pressure distribution.

The MultiStraps are available in two materials, polyester and non-woven, both with pressure-equalizing reinforced pads. The polyester design is durable and user-friendly. The non-woven design is intended for short-term use and should be discarded when the product is soiled or when the patient no longer needs it. For more information about Solo MultiStrap in non-woven fabric, please contact Liko.

The MultiStraps can be used together with Liko's mobile or overhead lifts.

**⚠ The MultiStraps are not intended for lifting and moving a patient from one location to another. For these applications we recommend lifting with one of the Liko slings available in many models.**

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

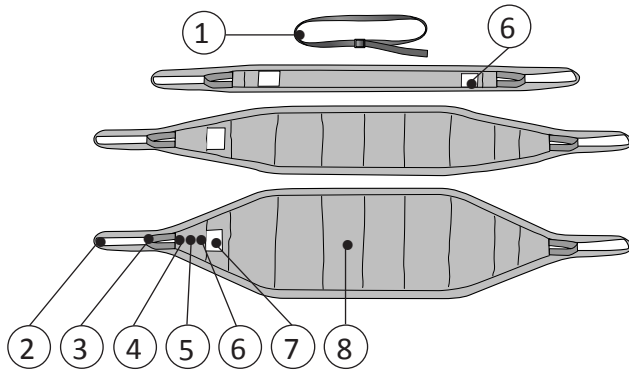
**⚠ is a warning triangle used for situations which require extra care and attention.**



#### **IMPORTANT!**

Lifting a patient always involves a certain risk. Make sure to read the instruction guide for both the lift and the lifting accessories. It is important to completely understand the contents of the instruction guide. The equipment should be used by trained staff only. Ensure that the lifting accessories are suitable for the lift used. Exercise care and caution during use. As caregiver, you are responsible for the patient's safety. You must be aware of the patient's ability to handle the lifting situation. If anything is unclear, please contact the manufacturer or supplier. Instruction guides can be downloaded free of charge at [www.liko.com](http://www.liko.com).

## Definitions



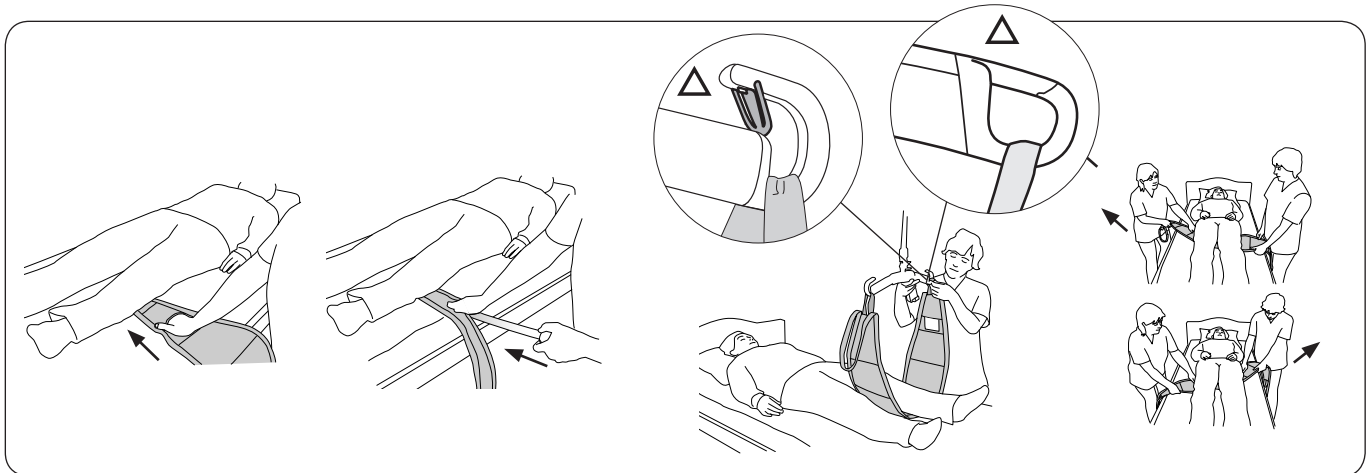
1. FixStrap 135 cm (53 inch.)
2. Large strap loop
3. Small strap loop
4. Pocket
5. Serial number
6. Label: Periodic Inspection
7. Product label
8. Fabric section with reinforcement

## Safety Instructions

### △ Before lifting, keep the following points in mind:

- Choose the MultiStrap best suited to the task at hand.
- Pay attention to any skin sensitivity, pressure sensitivity or pain in those places where the MultiStraps are to be applied.
- Ensure that the patient has the joint mobility necessary to passively lift body parts with the MultiStraps.
- Before lifting, plan the lifting operation to make it as safe and convenient as possible.
- Although the Liko sling bars are equipped with safety latches, special caution must be exercised: before the patient is lifted from the bed, but after the straps are fully extended, make sure the strap loops are properly attached to the sling bar.
- Never leave a patient unattended during a lifting situation.
- The wheels of the bed must be locked during a lifting/transfer operation; this is especially important when turning patients.
- Use bed rails during the turning operation; this is especially important when only one caregiver is performing the task.
- Always work ergonomically.

## Application



Apply the MultiStrap under the body part which is to be lifted/held. Fold in the strap loop under the MultiStrap and push it in under the patient's body. Insert your hand or use the spatula in the MultiStrap pocket to facilitate the application (please see figures above).

Work out the strap loop from the opposite side and pull the MultiStrap forward so that the body part is placed in the middle of the strap.

Attach the strap loops to the sling bar. Use the small strap loop if the lifting height is insufficient.

The MultiStrap can also be inserted where there is most space, e.g. under the knees, and then carefully be pulled into place under the patient. This can be made easier by alternatively pulling the MultiStrap from side to side until it is in desired place, e.g. under the buttocks.

**NOTE:** The MultiStrap can also be applied using HandySheet™, which is recommended for heavy patients or when you need to be extra gentle with the patient. For more information, please contact Liko.

## Lift and Hold

Place the MultiStrap under the part of the patient's body which is to be lifted/held.  
Before lifting, check that the strap loops are properly attached to the sling bar. Lift to desired height.

### Example

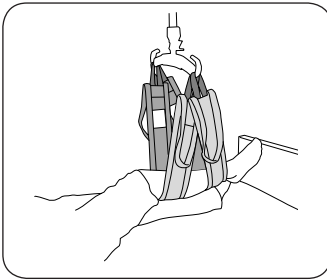


Fig. 1. Lift/Hold a leg with two MultiStraps

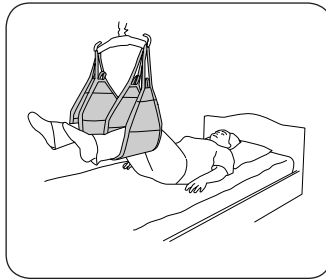


Fig. 2. Lift/Hold both legs with two MultiStraps

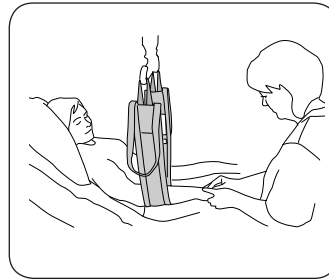


Fig. 3. Lift/Hold arm

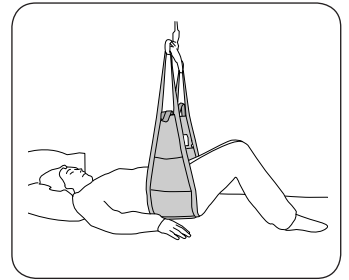


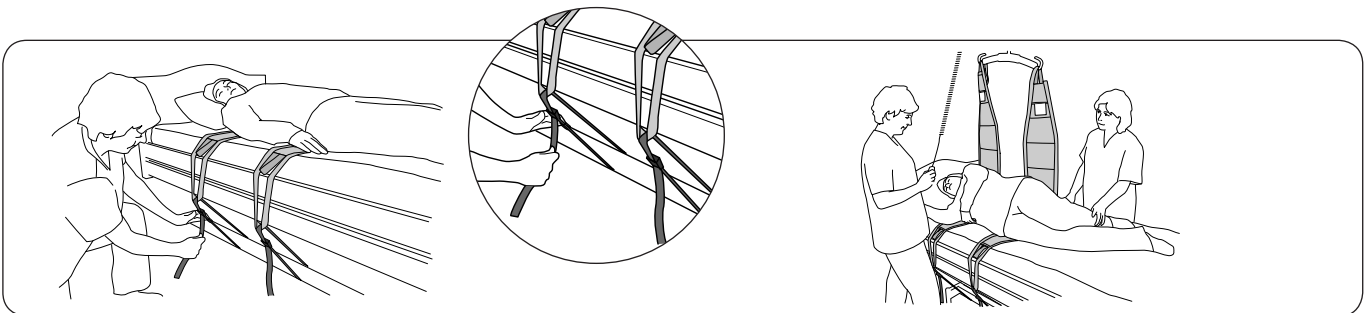
Fig. 4. Lift/Hold buttocks

The sling bar with 2-point suspension is recommended for lifting/holding as per the above examples. One MultiStrap (Fig. 3) or two MultiStraps (Fig. 1) can be used.

*Alternatively a sling bar with 4-point suspension can be used in combination with two MultiStraps to lift/hold a leg. During the lifting, load should then be applied to all the sling bar hooks.*

## Turning Sideways

Turning a patient sideways can be done by a lone caregiver, but we recommend two assisting each other. This is a time-effective and smooth way of operating. Use the bed rails, in particular if just one caregiver performs the turning.



Use two MultiStraps; place one under the shoulders and the other under the hips. If necessary, the strap loops can be attached to a suitable place on the bed using FixStraps (see pos. 1, page 2). This holds the MultiStraps in place during turning.

Prepare the operation by placing the patient so that the turning is facilitated; one arm out to the side and one leg over the other. Lift in such a manner that the patient is turned sideways by means of the lift. Do not lift so high that there is a risk of the patient tipping over. Adjust the patient's position so that it is comfortable.

**⚠ Do not lift too high!**

When turning a patient sideways, we recommend a sling bar with a 2-point suspension.

## Removal

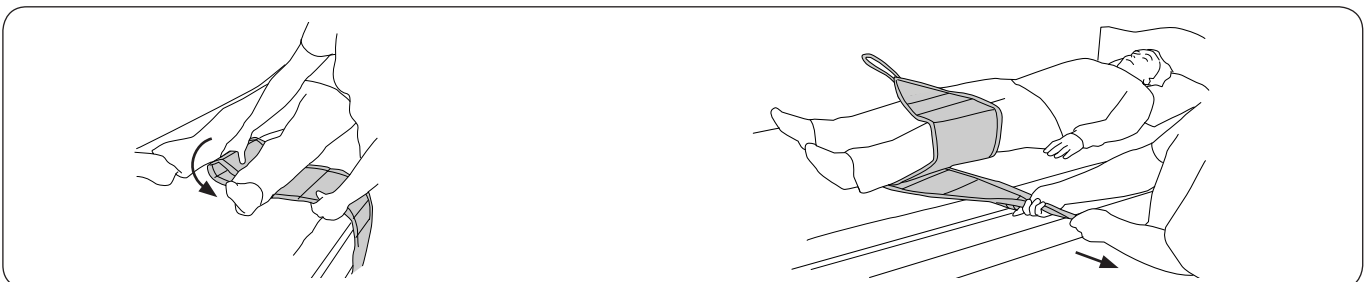


Fig. 5.

Fig. 6.

Fold in the strap loop under the MultiStrap (Fig. 5). Work out and grasp the strap loop and remove the MultiStrap carefully (Fig. 6).

The MultiStrap can also be pulled out carefully where there is extra space, e.g. under the knees.

**For extra gentle removal, use HandySheet™. For more information, contact Liko.**

# Overview MultiStrap™

Name	Prod. No.	Max. Load	Material
MultiStrap Standard, incl. FixStrap*	3695115	200 kg	100% polyester
MultiStrap Wide, incl. FixStrap*	3695116	200 kg	100% polyester
MultiStrap Ultra, incl. FixStrap*	3695117	200 kg	100% polyester
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<b>Accessories:</b> Spatula Mod 600 IC (fits MultiStrap Standard and Wide)	3684002		
*FixStrap 135 cm (53 inch.)	3696001		

## Care and Maintenance

Inspect the lifting accessories regularly. Pay special attention to wear and damages to material/fabric, seams, straps and strap loops. Do not use damaged lifting accessories. If anything is unclear, please contact the manufacturer or supplier.

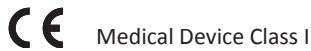
**Washing instructions:** See the MultiStrap product label.

## Expected Life Time

The product has an expected life time of 2-5 years or longer during normal use. Life time varies depending on material, 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 products are used or washed more often than normal. See Liko's protocol Periodic Inspection for the respective product.



MultiStrap complies with the harmonized standard ISO10535:2006.

## Registered Design

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 equivalence for the medical device industry, ISO 13485. Liko is also certified in accordance with environmental standard ISO 14001.

