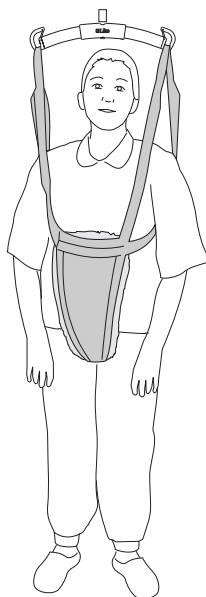


Liko™ LiftPants™ sling, Mod. 92 TeddyPants, Mod. 92



Instruction Guide



Product Description

This instruction guide is valid for Liko LiftPants sling and TeddyPants, but in the following text we will only use the name Liko LiftPants sling.

Liko LiftPants sling facilitate safe and secure standing- and gait training for patients with poor balance and leg function, giving them the confidence to take new steps. It is essential that the patient is able to bear weight on their legs. LiftPants sling enable freedom of movement, while relieving some of the burden of body weight. They lift safely, allowing the patient to move on his/her own without the risk of falling. During training, the lift is ready to take all the weight, so the patient and caregiver can devote all their attention to training without having to worry about the consequences of a wrong step.

LiftPants sling take most of the weight in the crotch, which may be appropriate for patients who are sensitive to pressure around the upper body or under the arms. A padded crotch relieves the pressure.

Liko LiftPants sling in size XS is made of a Teddy bear patterned polyester fabric and this is why this sling is called TeddyPants. LiftPants sling in other sizes are made of net polyester.

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

Several sizes

LiftPants sling are available in a range of sizes to fit different heights and body measurements.

Choosing the right lift

LiftPants sling can be used with Liko’s overhead and mobile lifts.

With a overhead lift, the patient can move freely within the entire lifting area, using a LikoGuard™ overhead lift, Likoall™ overhead lift, Multirall™ overhead lift or Liko MasterLift overhead lift. LiftPants sling can also be used with Liko’s mobile lifts; ideally with Golvo™ mobile lift, Uno™ mobile lift or Viking™ mobile lift. During training in LiftPants sling, it may be an advantage for some patients if some of the weight is relieved by the arms, for example via the lift’s armrests (Golvo mobile lift, Viking mobile lift) or with a walking support (walker, canes).

Alternatives

As an alternative to Liko LiftPants sling, we recommend Liko MasterVest™, Mod. 60 or 64.

Symbol description



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



reference to read instruction guide for detailed information.

Safety Instructions

Before lifting, keep the following points in mind:

- A responsible person within your organization should decide on a case-by-case basis whether one or more caregivers are needed.
- Ensure that the sling selected meets the patient's needs with reference to model, size, fabric and design.
- The total maximum load for a lift system is always determined by the product in the system with the lowest specified maximum load.
- For safety and hygiene reasons, use individual slings.
- Plan the lifting operation so that it can be done as safely and smoothly as possible.
- Check that the lifting accessory hangs vertically and can move freely.
- Although the Liko sling bars are equipped with latches, special caution must be exercised: before the patient is lifted from the underlying surface, but when the straps are fully extended, make sure the straps are correctly connected to the sling bar hooks.
- Never lift a patient higher off the underlying surface than is needed to complete the lifting and transfer procedure.
- 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.
- Always work ergonomically. Use the patient's ability to actively participate in the operations.
- When the sling is not being used, do not place in direct sun light.

Medical Device Class I Product

Liko Liftpants sling 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

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.

Design and Quality by Liko in Sweden

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

IMPORTANT!

Lifting and transferring a patient always involves a certain risk. Read the instruction guide for both the lift and lifting accessories before use. It is important to completely understand the contents of the instruction guide. The equipment should be used only by trained personnel. Ensure that the lifting accessories are suitable for the lift being 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 handle the lifting situation. Instruction guides can be downloaded, free of charge, at www.liko.com.

Care and Maintenance

Check the sling before each use. Check the following points with regard to wear and damage:

- Fabric
- Straps
- Seams
- Suspension loops

⚠ Do not use damaged lifting accessories.

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

Washing instructions: Please see the sling's product label and the attached appendix "Care and Maintenance of Liko Slings".

If the sling is used for bath or shower: After use in bath and shower situations, the sling should be placed so that it dries as soon as possible.

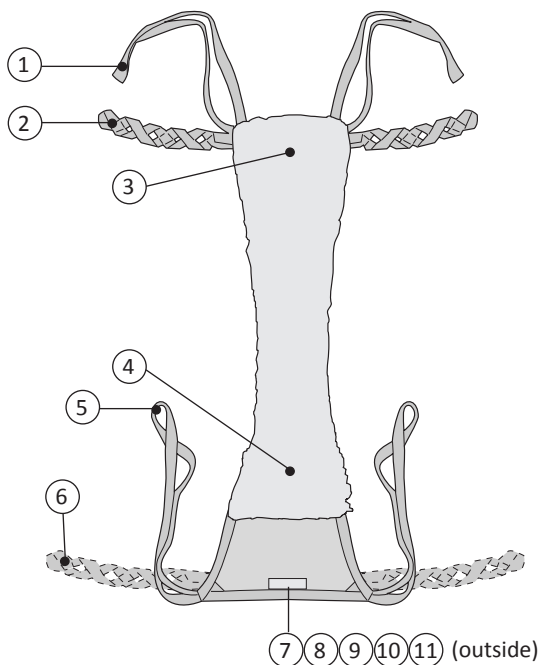
Expected Life Time

The product has an expected life time of 1-5 years during 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 for Periodic Inspection for the respective product.

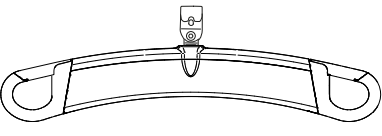
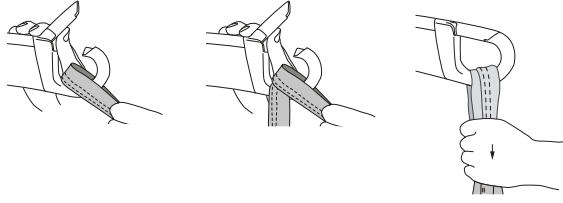
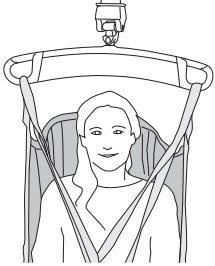
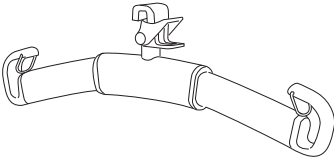
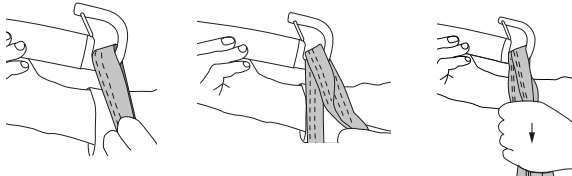

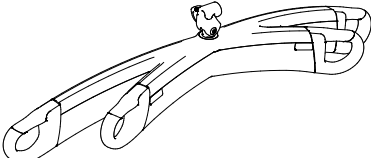
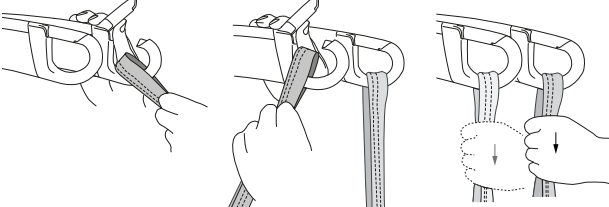
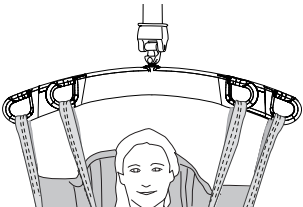
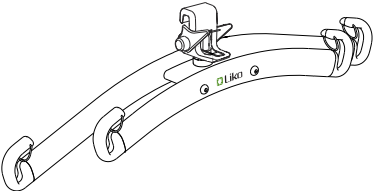
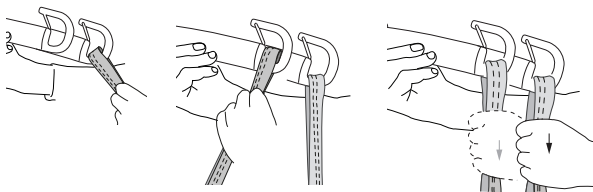
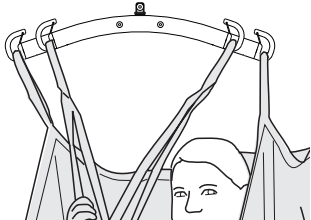
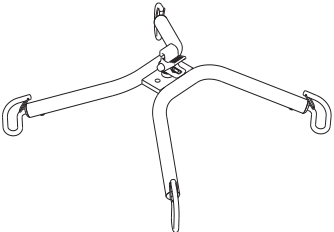
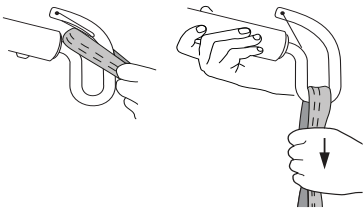
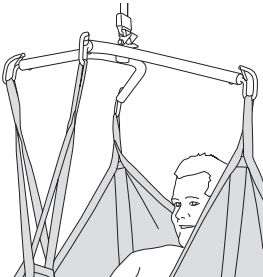
Definitions



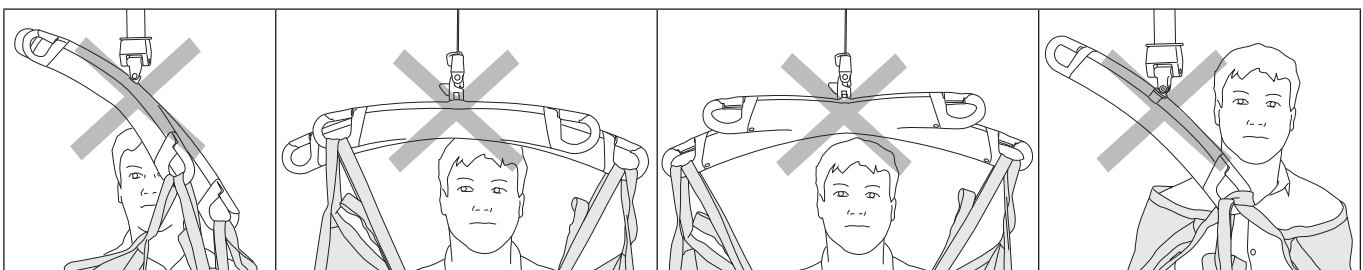
1. Front suspension strap
2. Loop strap (size XS, S, M and L)
3. Front section
4. Rear section
5. Rear suspension strap
6. Loop strap (only for size XL)
7. Size marking
8. Serial number
9. Product label
10. Label: Periodic Inspection
11. Label: Individual marking (Belongs to)

NOTE! In size XL, the loop straps are placed on the rear section, not on the front section.

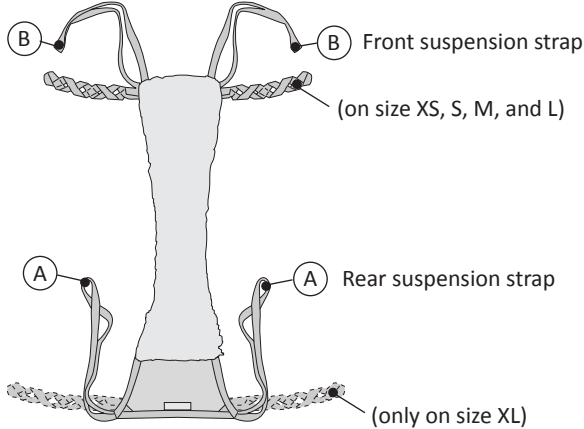
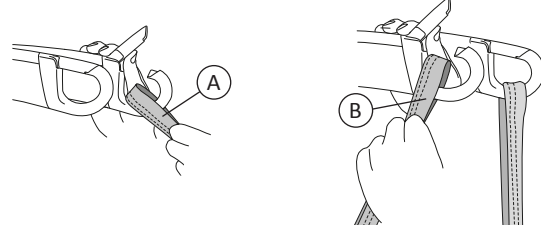
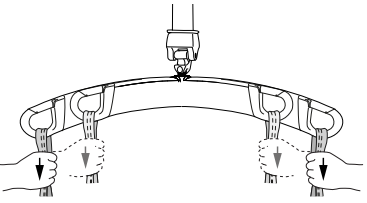
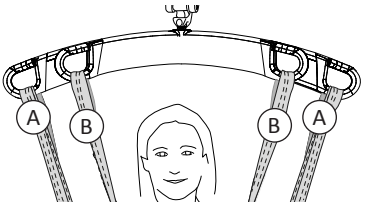
How to Attach a Sling to Different Sling Bars

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

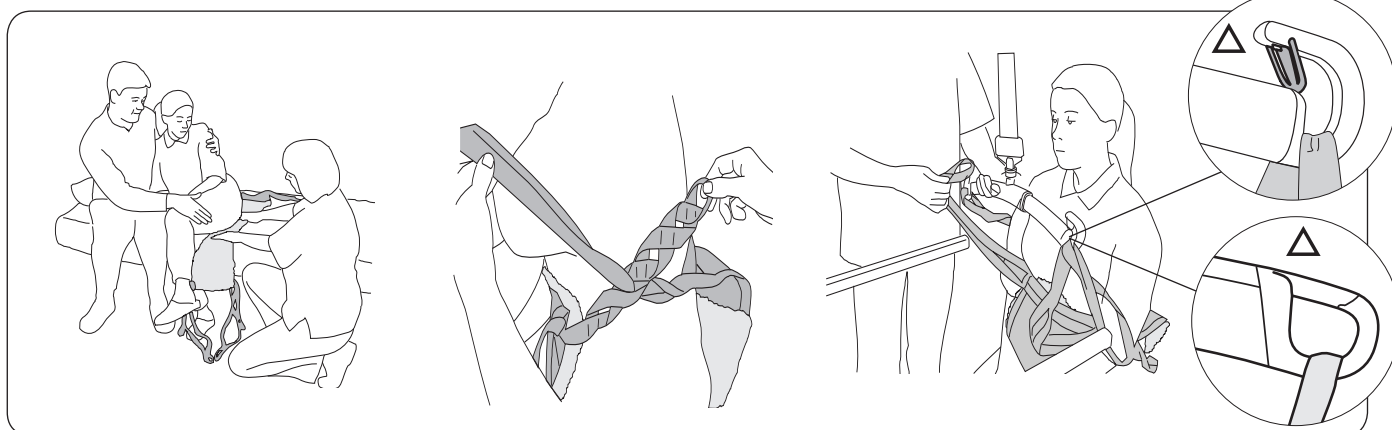
Wrong!



How to Attach LiftPants Sling to a Sling Bar with 4 Hooks (Twin Bars and Cross Bars)

 <p>Diagram of the LiftPants Sling. The front suspension strap (B) is shown at the top, and the rear suspension strap (A) is shown at the bottom. The front strap is labeled "Front suspension strap (on size XS, S, M, and L)". The rear strap is labeled "Rear suspension strap (only on size XL)".</p>	<p>1.</p>  <p>Illustration 1 shows the front suspension strap (B) being attached to a hook on the sling bar. The strap is shown being inserted into the hook, and the hook is shown being closed.</p>
<p>2.</p>  <p>Illustration 2 shows the rear suspension strap (A) being attached to a hook on the sling bar. The strap is shown being inserted into the hook, and the hook is shown being closed.</p>	<p>3.</p>  <p>Illustration 3 shows the completed attachment of the LiftPants Sling to the sling bar. The front suspension strap (B) and the rear suspension strap (A) are both attached to the bar. A person's head is shown in the center, indicating the position of the person being lifted.</p> <p>The illustrations 1, 2, and 3 shows a twin bar but this also applies to a Cross-bar.</p>

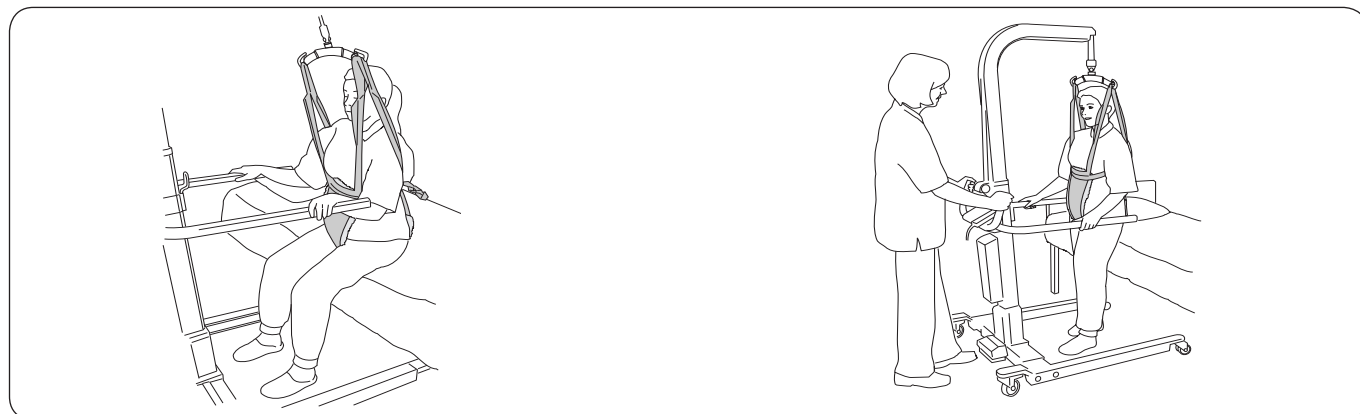
Applying the LiftPants



The starting position for using LiftPants sling is the sitting position. The patient leans to one side to enable the caregiver to position LiftPants sling directly under the seat. Place LiftPants sling as far as possible under the patient, with the marking label facedown and towards the back of the seat.

Pull the front section of LiftPants sling up between the legs, so that the straps are accessible from the front. Pass the rear suspension straps through the appropriate loops on the loop straps (see page 7).

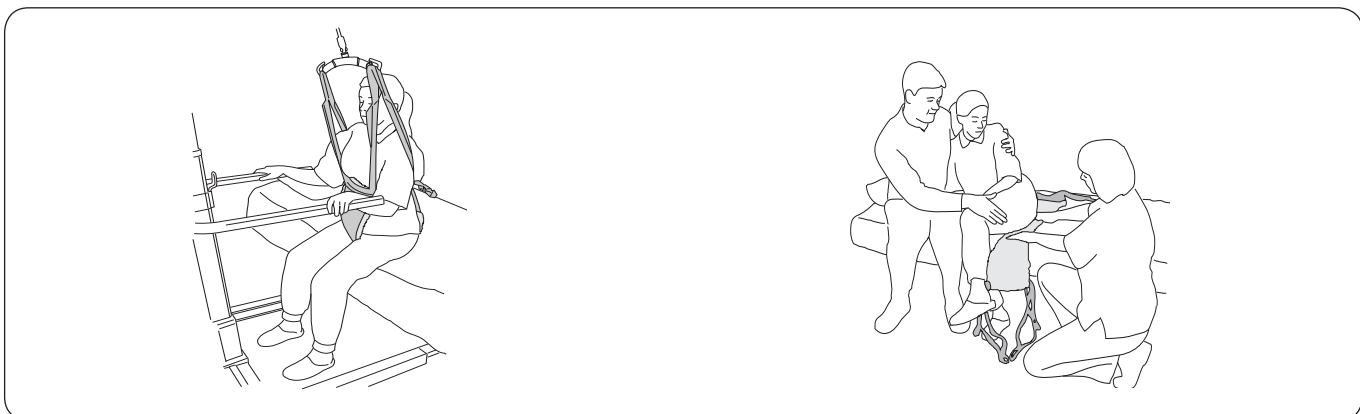
Hook the rear and front suspension straps to the sling bar. The outermost loops are the most commonly used. See page 4-5 for instructions on how to attach the sling loops to different sling bars.



Before the patient is raised from the sitting position: Have the patient move as far forward on the seated surface and bring their feet as far back on the floor as needed to stand up comfortably. Raise the lift slightly, so that tension is applied to the straps without the patient's seat rising from the underlying surface, while ensuring that strap tension on the upper body is as comfortable as possible for the patient.

During lifting: Pull the lift forward in the direction of the raising motion to enable correct and optimal weight transfer until the patient is standing fully upright and is balanced. Lift only high enough to enable the patient to be raised and still maintain sufficient contact with the floor.

Removing the LiftPants

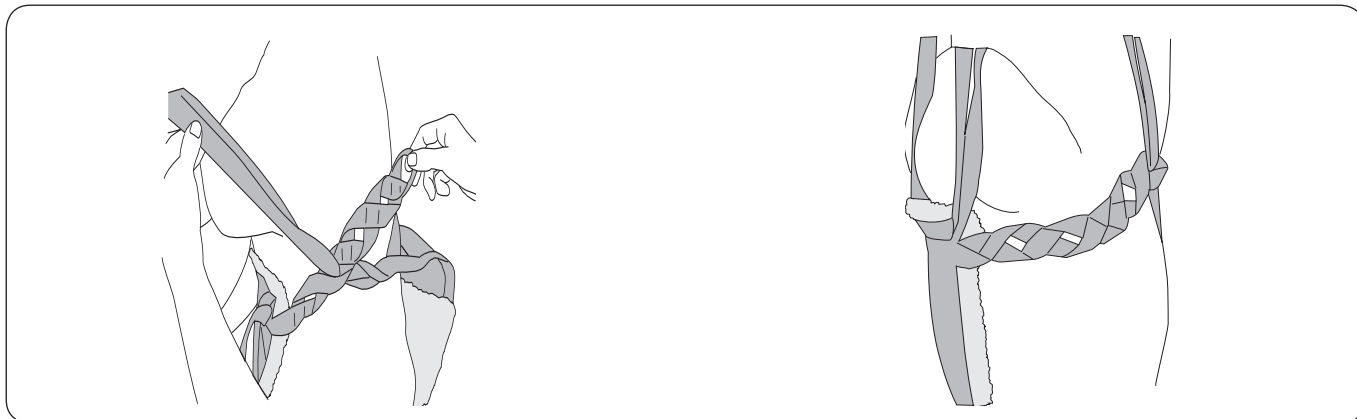


Lower the patient down into a sitting position. Unhook the rear suspension straps and front suspension straps from the sling bar. Loosen the rear suspension straps from the loop straps.

Let the patient lean to one side and carefully remove the LiftPants.

Adjusting Loop Straps

The straps that support the upper body should neither be too loose nor too tight. Comfortable tension is the best.

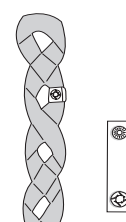


For a slender patient, suspension straps can be looped through an inner loop.

For a heavier patient, suspension straps can be looped through an outer loop.

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

Support Springs

Springs are available as an accessory in order to enable a gentler, springy motion during gait training. They stimulate the natural pattern of movement and allow the patient to find the right walking technique.

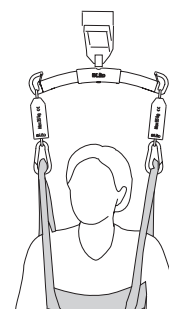
Liko's Springs for patient weights up to 70 kg (154 lbs.) are available in two lengths:

- Long 28 cm (11 inch.), Prod. No. 3156511 and
- Short 22 cm (8.7 inch.), Prod. No. 3156512

Short springs are recommended in cases where the lifting height does not permit the use of long springs.

For patient weights up to 100 kg (220 lbs.):

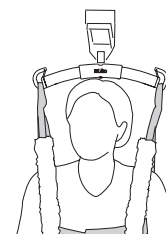
- Short 22 cm (8.7 inch.), Prod. No. 31565134



Padded cases

Padded cases are available as an accessory to help relieve pressure on the front suspension straps.

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



Overview, Liko LiftPants sling, Mod. 92

Product	Prod. No.	Size	Patient weight ¹	Patient height ¹	Maximum load ²	Material
TeddyPants	3592823	XS	< 30 kg (< 66 lbs.)	< 130 cm (< 51 in.)	200 kg (440 lbs.)	Teddy bear patterned polyester
LiftPants	3592324	S	20-50 kg (44-110 lbs.)	120 - 160 cm (47-63 in.)	200 kg (440 lbs.)	Net Polyester
LiftPants	3592325	M	50-85 kg (110-187 lbs.)	160 - 180 cm (63-71 in.)	200 kg (440 lbs.)	Net Polyester
LiftPants	3592326	L	70-120 kg (154-264 lbs.)	170 - 200 cm (67-79 in.)	200 kg (440 lbs.)	Net Polyester
LiftPants	3592327	XL	100- kg (220- lbs.)	170 - 210 cm (67-83 in.)	500 kg (1100 lbs.)	Net Polyester

¹ The indicated patient weights/heights are guidelines only – there may be deviations.

² To maintain maximum load, lift/accessories intended for the same load or more are required.

Choose the right size

Lift Pants sling should reach above waist level, but not so high that pressure is applied under the arms.

A heavy person may require a larger size than a slender person, even though both are the same height.

Recommended Combinations

Recommended combinations with Liko™ LiftPants™ sling and Liko's sling bars:	Mini 220	Slim 350	Universal 350	Sling bars 450 ¹	Universal 600	Wide 670	Twin bars 670 ²	Cross-bar 450	Cross-bar 670	Side bars + Mini 220	Side bars + Slim 350	Univ. Side bars + Universal 350	Side bars + Standard 450	Univ. Side bars + Universal 450
TeddyPants, XS	2	1	1	1	3	4	4	2	4	4	4	2	4	2
LiftPants, S	2	1	1	1	3	4	4	1	4	4	4	2	4	2
LiftPants, M	2	1	1	1	3	1	1	1	2	4	4	2	4	2
LiftPants, L	3	2	2	1	2	1	1	1	1	4	4	4	4	2
LiftPants, XL	3	2	3	1	2	1	1	1	1	4	4	4	4	2

¹ Sling bars 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.

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

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

Other Combinations

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



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Enhancing outcomes for
patients and their caregivers:

