

Product Description

Intended Use:

The MultiStraps are intended for use in the following environments: Health care, Intensive care, Emergency ward, Rehabilitation, Habilitation, and Home healthcare environments.

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.

Overview:

Instead of performing these tasks manually, the caregiver should use the MultiStraps together with a lift and thereby potentially 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.

Sizes:

The MultiStraps are available in three widths. The standard MultiStraps are often easier to place and give better access to a larger skin area. The wide MultiStraps support a larger area and distribute pressure more evenly. The ultra MultiStraps support an even larger area than the wide.

Fabrics:

The MultiStraps are made with woven polyester with reinforced pads to reduce pressure. The polyester material can be washed and used with multiple patients.

For information about the Solo MultiStrap for use with a single patient, contact your Hillrom representative.

Suitable Lifts:

The MultiStraps can be used together with **Liko** 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.

IMPORTANT!

Lifting and transferring a patient always involves a certain level of risk. Read the instructions for use for both the patient lift and lifting accessories before use. It is important to completely understand the contents of the instructions for use. The equipment should only be used by a trained caregiver. To be trained, a caregiver needs to read and understand the Instructions for Use. 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. If something is unclear, contact the manufacturer or supplier.

Safety Information

⚠ 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.
- Make sure that the patient has the joint mobility necessary to passively lift body parts with the MultiStraps.
- Before lifting a limb, 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. With the straps fully extended, make sure that the straps are correctly attached to the stretcher. Do this before you lift the patient's limb off of the surface.
- Make sure that the wheels on the bed are locked during operation. This is especially important when turning the patient.
- Use bed rails during the turning operation; this is especially important when only one caregiver is performing the task.
- Plan the lifting operation so that it can be done as safely and smoothly as possible.
- Always work ergonomically.

⚠ Make sure that the patient and caregiver stay clear of pinch points and moving parts during a lifting event. Injury could occur.

⚠ Evaluate patients for entrapment risk and monitor patients appropriately. Make sure that the patient's head and limbs are not in or between sling loops during lifting event. Failure to do either of these could cause serious injury or death.

⚠ Only use a MultiStrap that is the correct size for the patient. Correct size must be assessed by a trained caregiver.

⚠ Never leave a patient unattended during a lifting situation!

⚠ Never leave children unattended in the vicinity of the straps!

⚠ Do not operate, store, or transport the straps in the vicinity of pets, pests, or unattended children!

⚠ Do not store the straps where it will be exposed to direct sunlight, or to heat sources, such as a radiator, fireplace, or stove/oven!

 Medical Device Class I Product

Registered Design

Maximum Load

Each part on an assembled lift system has a unique maximum load rating. The parts of an assembled lift system include the rail, lift, sling bar, sling and any other items. The maximum load rating of the total lift system is always the lowest rating of any single part.

Product Changes

Liko products undergo continuous development, which is why we reserve the right to make product changes without prior notice. Contact your Hillrom 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.

Notice to Users and/or Patients in EU

Any serious incident that has occurred in relation to the device, should be reported to the manufacturer and the competent authority of the Member State in which the user and/or patient is established.

Symbol Description

These symbols may be found in this document and/or on the product.

Symbol	Description	Symbol	Description
	Warning; this situation requires extra care and attention. This symbol is a yellow triangle with a black border, and a black exclamation mark at the center.		
	Recyclable		
	Read instructions for use before use. This symbol is a blue circle with a white image of a person reading a book.		
	Read instructions for use before use		Caution! Consult instructions for use.
	CE-mark. European Union medical device conformity mark, Class I Medical Device.		
	Swiss authorized representative		
	Legal manufacturer		Date of manufacture
	Product Identifier		Medical device
	Serial Number		Unique device identification
	Do not dry clean		Line drying in shade
	Do not iron		Do not bleach
	Tumble drying		Do not wash
	Do not tumble dry		
	Washing Symbol is always in combination with recommended temperature in °C and °F.		
	Latex Free		
	Periodic inspection		
	Do not use product. (Only on Solo products, and only visible after wash when use is prohibited)		Patient name
	Single patient use (only on Solo products)		
	Direction upwards and symbol on outside of equipment.		Symbol on outside of equipment.
	GS1 Data Matrix Barcode that may contain following information. (01) Global Trade Item Number (11) Production Date (21) Serial Number		

Care and Inspection

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

- Fabric
- Straps
- Seams
- Strap loops

⚠ Do not use damaged lifting accessories.

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

Washing and Disinfection Instructions:

See the MultiStrap product label.

Material:

MultiStrap is made of polyester.

Expected Life Time

The product has an expected life time of 5 years or longer during normal use. Lifetime varies depending on material, use frequency, washing procedure and weight carried. Hillrom recommends the product to be used only during its expected life time.

Periodic Inspection

Inspect the MultiStraps at least once every 6 months. More frequent inspections might be required if the products are used or washed more often than normal. See the **Liko** Periodic Inspection for the respective product. For protocols please contact your Hillrom representative.

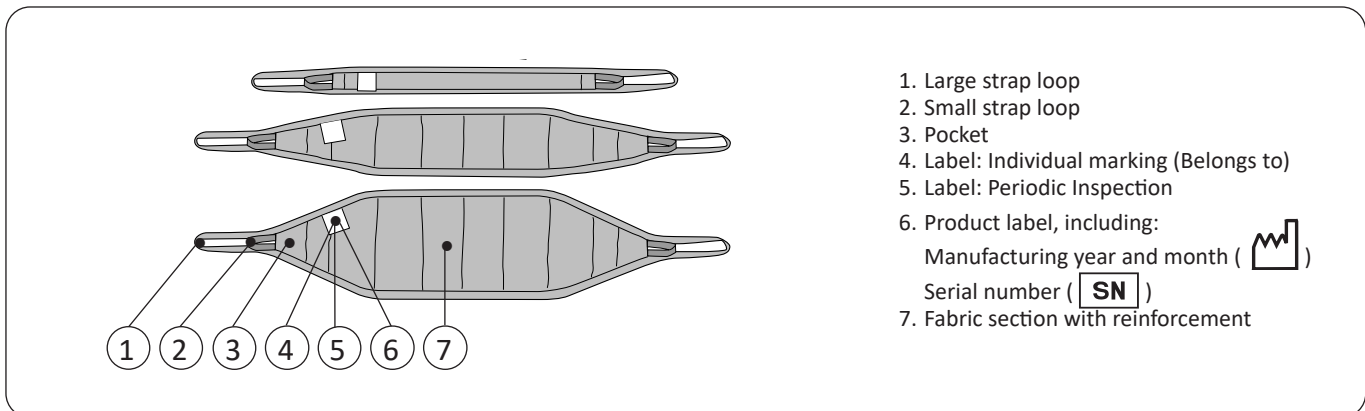
Recycling Instructions

The entire product should be sorted as Combustible waste.

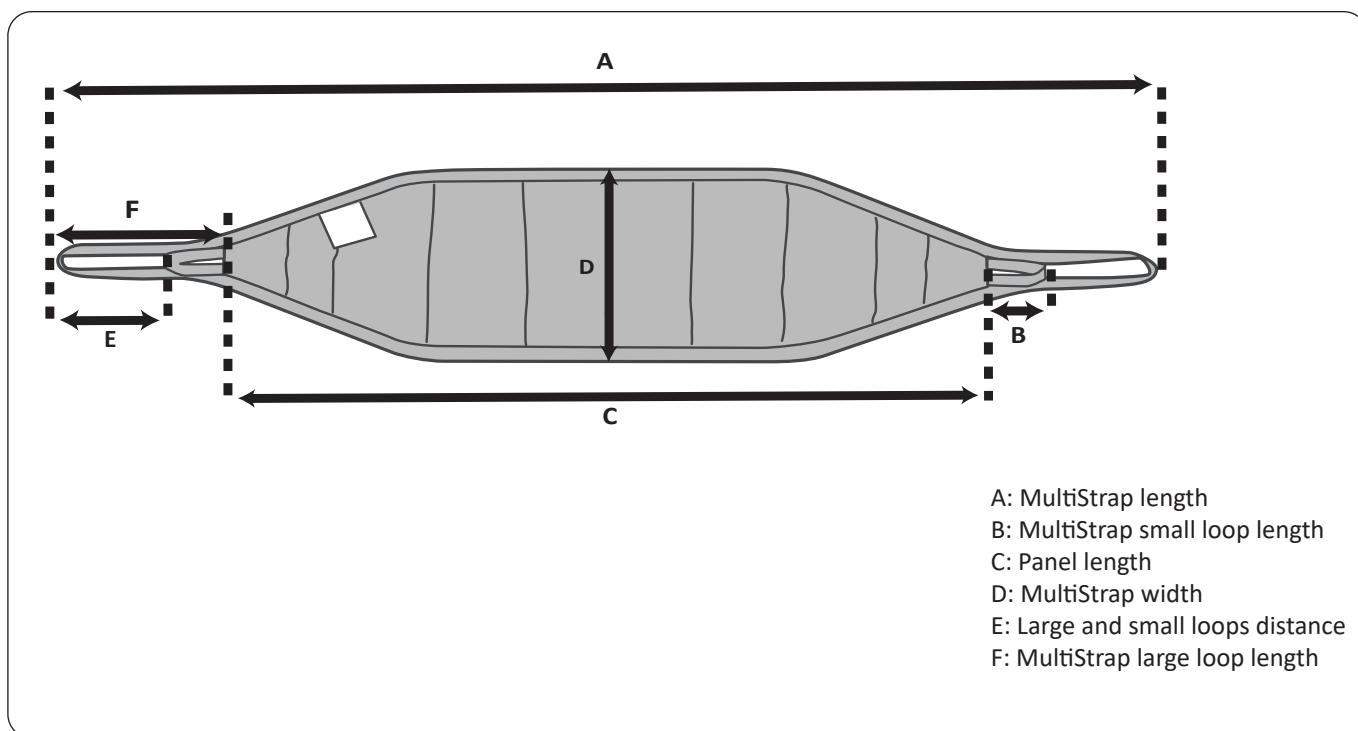
Hillrom evaluates and provides guidance to its users on the safe handling and disposal of its devices to aid in the prevention of injury, including, but not limited to: cuts, punctures of the skin, abrasions, and any required cleaning and disinfection of the medical device after use and prior to its disposal. Customers should adhere to all federal, state, regional, and/or local laws and regulations as it pertains to the safe disposal of medical devices and accessories.

If in doubt, the user of the device shall first contact Hillrom Technical Support for guidance on safe disposal protocols.

Definitions



Dimensions and Sizing



Size Measurements in Centimeters

SIZE	A	B	C	D	E	F	Maximum load (kg)	Prod. No.
Standard	157	10	97	10	20	30	200	3695115
Wide	196	10	136	25	21	30	200	3695116
Ultra	196	10	136	38	20	30	200	3695117

Size Measurements in Inches

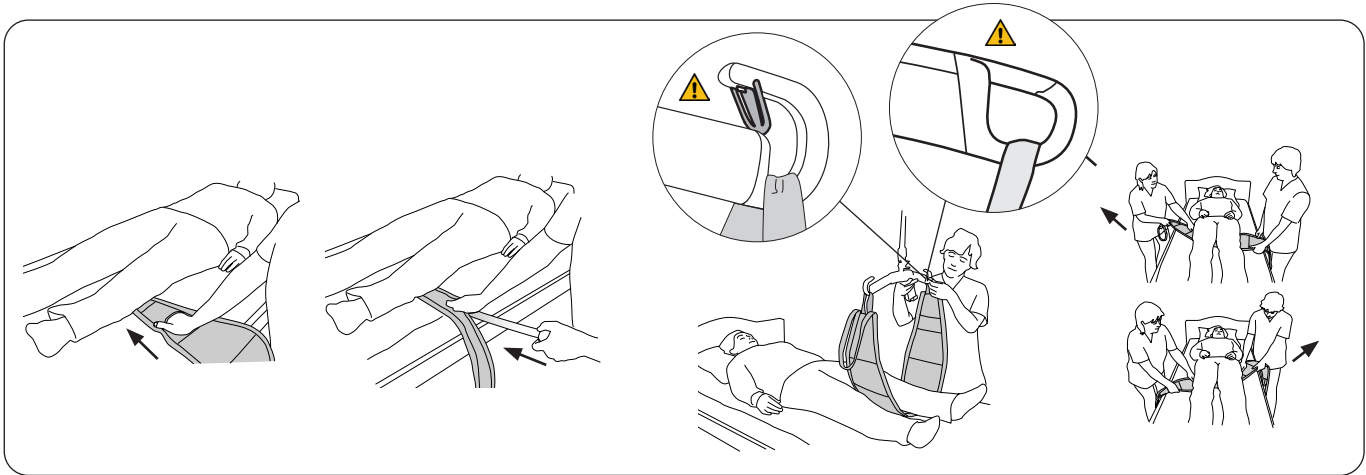
SIZE	A	B	C	D	E	F	Maximum load (lbs)	Prod. No.
Standard	62	4	38	4	8	12	440	3695115
Wide	77	4	54	10	8	12	440	3695116
Ultra	77	4	54	15	8	12	440	3695117

Sizing:

⚠️ Only use a sling that is the correct size for the patient. Correct size must be assessed by a trained caregiver.

Choose the size that is necessary to support the patient without causing excessive pressure on the patient. Use the Wide or Ultra sizes when longer straps are necessary. Use the Wide or Ultra sizes for a better pressure distribution for heavier patients and patients with sensitive skin.

Application



Put the MultiStrap under the body part that will be supported. Fold the strap loop under the wide part of the MultiStrap. Use your hand or the spatula to push the MultiStrap under the patient.

Pull the strap loop out from the opposite side of the patient. Adjust the MultiStrap so that the body part is 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.

Alternate method:
Insert the MultiStrap where there is more space, e.g. under the knees. Then carefully move the MultiStrap into place under the body part that will be supported. If necessary, pull the MultiStrap from side to side until it is under the body part that will be supported.

NOTE: The MultiStrap can also be applied using HandySheet. We recommend the HandySheet for heavy patients, or patients with sensitive skin. For more information, please contact your Hillrom representative.

Lift and Hold

Put the MultiStrap under the body part that will be supported. Before lifting, check that the strap loops are properly attached to the sling bar. Lift to desired height.

Example

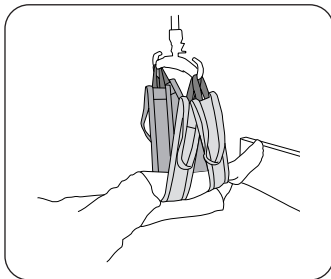


Fig. 1. Lift/Hold a leg with two MultiStraps.

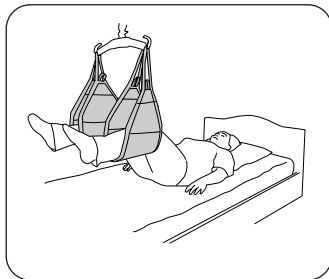


Fig. 2. Lift/Hold both legs with two MultiStraps.

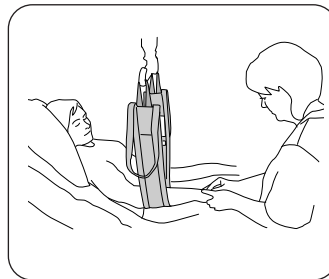


Fig. 3. Lift/Hold arm.

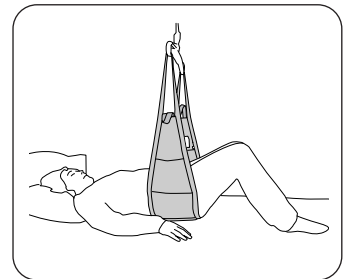


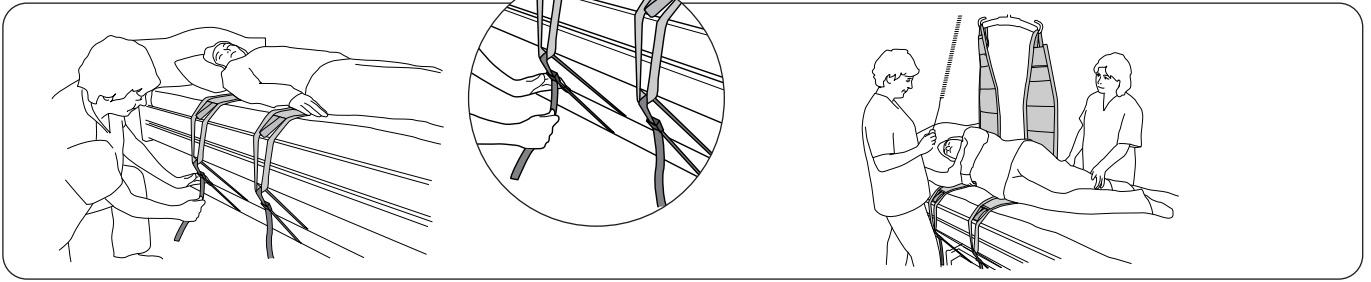
Fig. 4. Lift/Hold buttocks.

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

Turning the Patient in Bed

One caregiver can turn the patient in the bed. We recommend that two caregivers turn the patient.

⚠️ When turning the patient, we recommend that you use the bed rails, especially if only one caregiver is turning the patient.



Use two MultiStraps to turn the patient. Put one under the shoulders and the other under the hips. If necessary, attach the strap loops to a suitable place on the bed using the accessory FixStrap Prod. No. 3696001. This holds the MultiStraps in place while you turn the patient.

Position the patient to make turning easier: arms at sides, one leg over the other. Attach the MultiStraps to a sling bar.

Lift carefully, so that the patient is turned to one side with the help of the lift, but without turning all the way over. Adjust the patient's position, or put pillows behind or under the patient to make them more comfortable. Lower the sling bar and disconnect the strap loops. Smooth out the sheets.

⚠️ Do not lift too high!

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

Removal



Fold the strap loop under the wide part of the MultiStrap.

Pull the strap loop out, and remove the MultiStrap carefully.

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

The MultiStrap can also be removed using HandySheet. For more information, please contact your Hillrom representative.

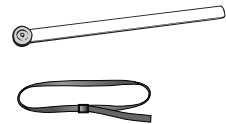
Overview MultiStrap

Name	Width	Prod. No.	Max. Load	Material
MultiStrap Standard	10 cm (4 in)	3695115	200 kg (440 lbs)	100% polyester
MultiStrap Wide	25 cm (10 in)	3695116	200 kg (440 lbs)	100% polyester
MultiStrap Ultra	38 cm (15 in)	3695117	200 kg (440 lbs)	100% polyester

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

Optional Components:

Spatula Mod 600 IC (fits MultiStrap Standard and Wide)	3684002
FixStrap 135 cm (53 inch.)	3696001
FixStrap 135 cm (53 inch.), set of 10 pcs	3696001-10



Recommended combinations


MultiStrap can be used in combination with the following sling bars:

Sling bar with 2-point suspension: Universal SlingBar 350/450, Standard 450, and SlingGuard 450.

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Enhancing outcomes for
patients and their caregivers:

Hill-Rom