

# Liko Sling Cross-bars



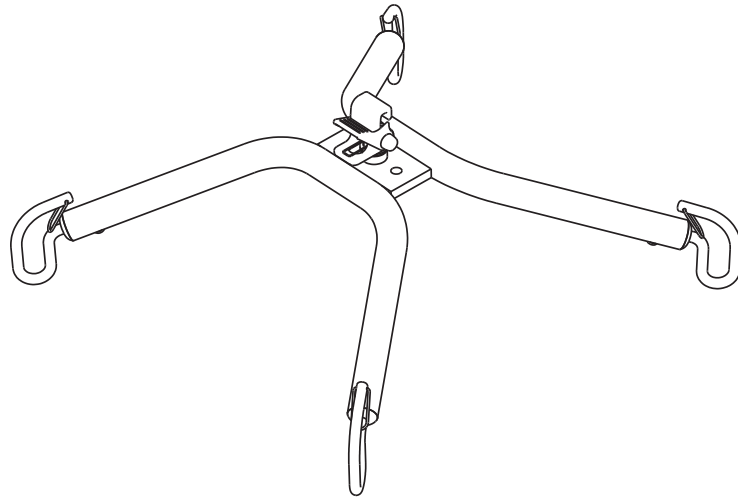
## Instructions for Use

### Applies to the following models:

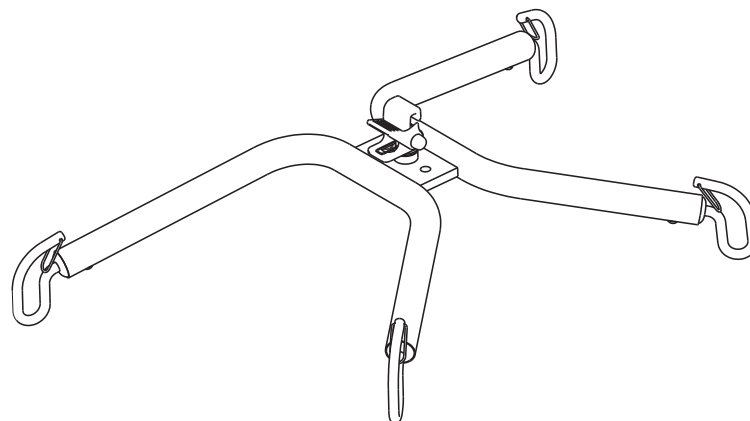
Sling Cross-bar 450  
Sling Cross-bar 450 with Quick-release Hook

Prod. No. 3156021 Sling Cross-bar 670  
Prod. No. 3156022 Sling Cross-bar 670 with Quick-release Hook

Prod. No. 3156018  
Prod. No. 3156019



**Sling Cross-bar 450**



**Sling Cross-bar 670**

## Product Description

There are two models of Liko Sling Cross-bar. Each model is available with fixed assembly or Quick-release hook. Both models can be ordered with the Quick-release hook installed. All Sling Cross-bars have four hooks to attach a sling, providing a slightly reclined lifting position.

### Intended Use

A Sling Cross-bar is used as an aid in carrying out lifts but does not come in to contact with the patient.

It is intended for use in following environments: Health care, Intensive care, Emergency ward, Rehabilitation, Habilitation and Home healthcare environments.

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

## Table of Contents


Product Description .....	1
Intended Use .....	1
Safety Information .....	3
Maximum Load .....	3
Symbol Description .....	3
Assembly .....	4
How to Attach a Sling to Sling Cross-Bars .....	5
Dimensions .....	5
Care and Inspection .....	6

## Safety Information

CrossBar can be used with **Liko** slings that attaches to the sling bar using sling loops. CrossBar can be used with **Liko** slings designed for four connection points on the sling bar.

For more information on how to select a sling, read the sling's instructions for use. The sling's instructions for use will have information for using **Liko** sling bars with **Liko** slings.

**Note! Always read the instruction for use that comes with different sling models from Liko for correct and safe use of the sling.**

 **Before the patient is lifted from the underlying surface, but when the sling's straps are fully extended, make sure the straps are correctly connected to the sling bar hooks.**

 **For safety reasons, all the sling bar hooks must carry the load together when lifting!**

 **Using lifting accessories other than those approved can entail a risk.**

 **Incorrect attachment of sling to sling bar may cause severe injury to the patient.**

 **Do not operate, store, or transport the sling cross-bars in the vicinity of pets, pests, or unattended children!**

 **Never leave a patient unattended during a lifting situation!**

 **Never leave children unattended in the vicinity of the sling cross-bars!**

 **Do not store the sling cross-bars where it will be exposed to direct sunlight, or heat sources, such as a radiator, fireplace, or stove/oven!**

 **The sling cross-bars has not been tested for use in the Magnetic Resonance Imaging (MRI) setting. Transfer the patient to a compatible surface to do an MRI, and remove the product from the MRI room.**

 Medical Device Class I Product

## Maximum Load

**Maximum load: 300 kg (660 lbs)**

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. For each individual part, the maximum load includes the weight of everything attached to that part, including the patient.















The maximum load rating is not the maximum patient weight. The maximum patient weight varies with the weight of all parts of the assembled lift system.

The maximum load rating of an assembled lift system is always the lowest rating of any single part. For example: A Sling bar has a maximum load of 300 kg (660 lbs.) is attached to an overhead lift with a maximum load of 200 kg (440 lbs.). The maximum load of 200 kg (440 lbs.) applies to the assembled lift system.

Check the maximum load on the lift and all lifting accessories or contact your Hillrom representative if you have any questions.

## Symbol Description

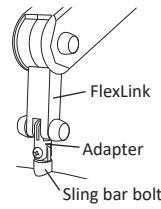
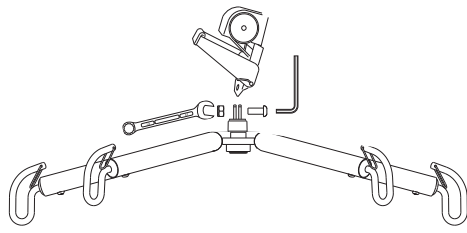
These symbols may be found in this document and/or on the product.

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.		
	CE mark. European Union medical device conformity mark, Class I Medical Device.		
	Swiss authorized representative		
	Recyclable		
	Read instruction for use before use. This symbol is a blue circle with a white image of a person reading a book.		
	<b>Caution!</b> consult instructions for use.		Read instruction for use before use.
	Legal manufacturer.		Date of manufacture.
	Product Identifier.		Medical device.
	Serial Number.		Unique device identification
	GS1 Data Matrix Barcode that may contain following information. (01) Global Trade Item Number (11) Production Date (21) Serial Number		

# Assembly

## Fixed assembly to lift

Applies to the following sling bars: Sling Cross-bars 450 and 670 (Prod. No. 3156021 and 3156018)



**Applies to:** Likorall 242 S/ES overhead lift, Likorall 243 ES overhead lift, Golvo mobile lift, Uno 100/102 mobile lift\* and Viking mobile lift\*

For fixed assembly, use the provided M10 x 25 (special) bolt and M10 lock nut to attach the Sling Cross-bar. Make sure that the bolt protrudes 2 mm through the nut, and that the sling bar bolt can move (adaptation works as it should).

*\*For fixed assembly to mobile lifts with FlexLink, an adapter for the lift in question must always be fitted, see below.*

**Adapter 8 mm,** (Prod. No. 2016502)

Applies to: Uno up to and incl. serial no. 31824. See applicable assembly instructions.

**Adapter 12 mm,** (Prod. No. 2016504)

Applies to: Uno up to and incl. serial no. 31825.

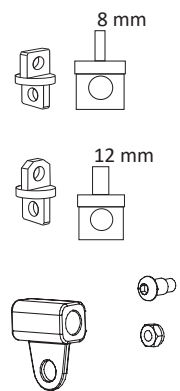
and the **Viking** mobile lift series. See applicable assembly instructions.

**Fixed kit 4,** (Prod. No. 3308860)

Fits: Prod. No. 3156018 and 3156021 in combination with

LikoGuard L, XL overhead lift.

**NOTE! Shall be assembled by personnel authorized by Hill-Rom!**

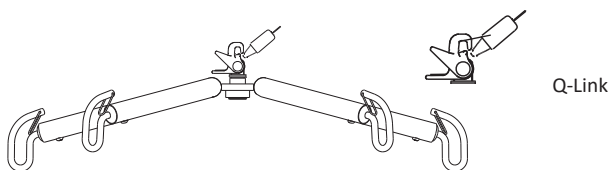


## Assembly with Quick-release

 **Incorrect attachment of sling bar to lift may cause severe injury to the patient.**

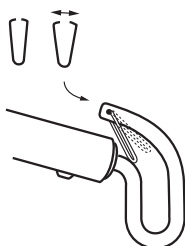
**Applies to the following sling bars:**

Sling Cross-bar 450 and 670 (Prod. No. 3156022 and 3156019)



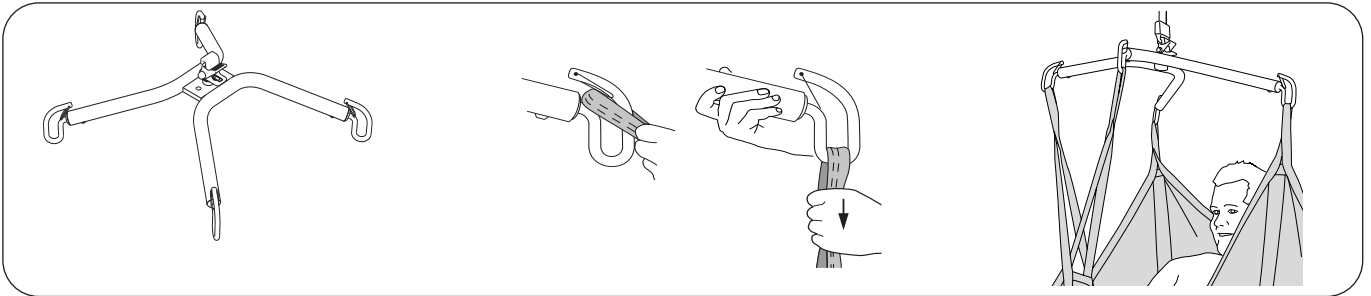
**Applies to:** Golvo mobile lift\*, Likorall 242 S/ES R2R overhead lift, Likorall 243 overhead lift\*, Likorall 250 overhead lift\* and Multirall overhead lift. \*If fitted with Q-link (Prod. No. 31590005). See applicable assembly instructions.

## Installation of latches



After installation, check that the latch locks and moves freely in the sling bar hook.

## How to Attach a Sling to Sling Cross-Bars

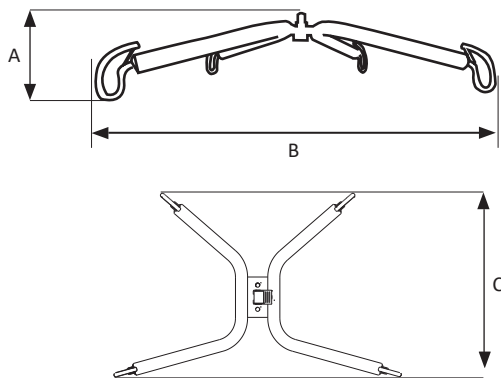


**NOTE!** The wider part of the Cross-bar is intended for use with the sling's upper strap loops and the narrower part of the Cross-bar is to be used for the leg support's strap loops.

## Dimensions

### Sling Cross Bar 670

Prod. No. 3156018 (with fixed attachment)



\* Installation dimensions: the distance between the sling bar hooks attachment point (for sling etc.) to the sling bar's central suspension point (CSP) to lift.

#### Dimensions (mm)

model	A	B	C	H*
670	151	470	720	670

#### Dimensions (in.)

model	A	B	C	H*
670	5.94	18.5	28.3	26.37

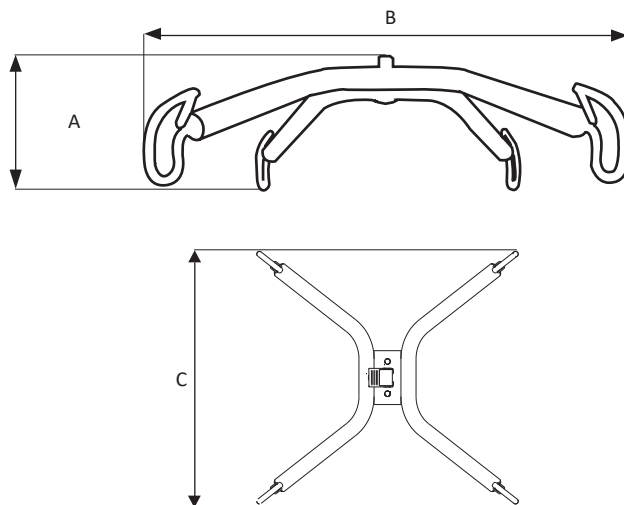
Weight: Approx. 3.81 kg / 8.4 lbs.

Contact Points: 4

\*Width between attachment point (hook to hook)

### Sling Cross Bar 450

Prod. No. 3156021 (with fixed attachment)



\* Installation dimensions: the distance between the sling bar hooks attachment point (for sling etc.) to the sling bar's central suspension point (CSP) to lift.

#### Dimensions (mm).

model	A	B	C	H*
450	189	460	500	450

#### Dimensions (in.)

model	A	B	C	H*
450	7.44	18.1	19.68	17.71

Weight: Approx. 3.81 kg / 8.4 lbs.

Contact Points: 4

\*Width between attachment point (hook to hook)

## Care and Inspection

For trouble-free use, certain details should be checked before each use.

- Check the sling cross-bar bolt and lock nut.
- Check that the latches are in place, intact and working correctly; missing or damaged latches must always be replaced with new ones.
- If equipped, check that the Quick-release Hook is correctly attached to the lift and sling cross-bar
- Before lifting, check that the lifting accessory hangs vertically and can move freely.

### Washing and Disinfection instructions:

When necessary, clean the product with a moist cloth. Find more detailed information regarding cleaning and disinfection of your Liko product in the “*Cleaning and Disinfection*” section for the lift used.

**NOTE! Do not use cleaning agents that contain phenol or chlorine, since these can damage aluminium and plastic.**



**The product should not be exposed to running water.**

### Service

Inspect the Sling Cross-Bars at least once a year.



**Periodic inspection, repair and maintenance may be performed only in accordance with the Liko service manual by personnel authorized by Hill-Rom and using original Liko spare parts.**

### Expected Life Time

The product has an expected life time of 10 years when correctly handled, serviced and periodically inspected in accordance with Liko instructions.



### Recycling Instructions

The product should be recycled as scrap metal.

Hill-Rom 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.

### 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

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.

### 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.

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