# **Periodic Inspection**



Liko<sup>™</sup> overhead lifts

3EN191001 Rev. 2

Valid for following overhead lifts: LikoGuard™, Likorall™, Multirall™, Masterlift™

Lift information	Customer reference		
Lift:	Agreement No:		
Product Number:	Name:		
Serial Number:	Address:		
Production year:	Post Code		

Liko<sup>™</sup> overhead lifts must be thoroughly inspected at least once per year. Inspection and service must be carried out by Hill-Rom authorized personnel. If the lift is installed in a corrosive environment such as indoor pool or bathroom, see inspection point 11 before starting inspection.

NOTE! For inspection of the rail system, use Periodic Inspection Liko<sup>™</sup> Rail System (3EN111001)

*If printed: Make a colour print of this instruction.* 

OVERHEAD LIFT		Action required:		Approved	Not approved	
1	Product Decal					
2	General Inspection					
3	Carriages					
4	Hand Control					
5	Emergency Stop					
6	Emergency Lowering					
7	Limit Switch (Not valid for MasterLift)					
8	Charger (Not valid for MasterLift)					
9	SlingBar					
10	Lift Strap					
EN	ENVIRONMENTAL IMPACT N/A		Action required:		Approved	Not approved
11	Corrosive environments					
LOAD TESTING		Max Load applied:		Approved	Not approved	
12	Maximum Load overhead lift		Kg:	Lbs:		
	Emergency lowering Maximum Load		Kg:	Lbs:		
Rec	Required Measurements:		Measured dimensions:		Approved	Not approved
12	Load testing / Lift strap drift		mm:	Inch:		
Cle	Clear service N/A		Action required:		Approved	Not approved
13	Service Symbol reset					

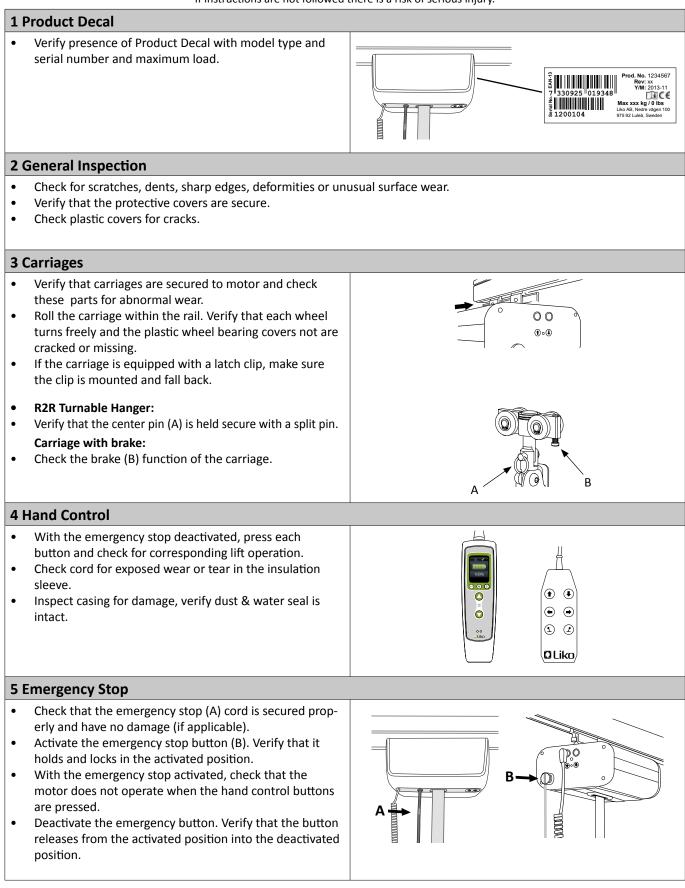
Inspection sign off						
Complete inspection according to Instructions for the check points (page 2-8), fill in this page and sign below.						
Approval to use the overhead lift Approved Not approved						
If the overhead lift has one or more inspection points "Not approved", the lift must not be used.						
Action required: Actions according to the inspection items "NOT APPROVED" should be performed immediately. After performed actions sign below. If anything is unclear or if you have questions, please contact Hill-Rom or your local Hill-Rom representative. Contact information is to be found at www.hill-rom.com.						
Inspection performed by: Date:						
Next inspection:						

Inspection performed in accordance with ISO 10535:2006 Annex B- Periodic inspection

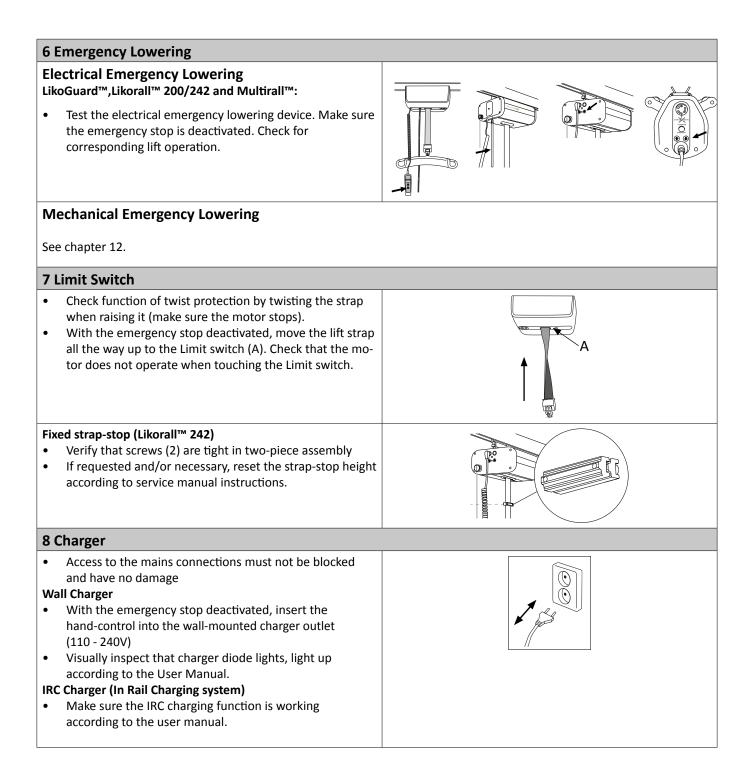


Liko<sup>™</sup> overhead lifts

A In this document, this warning symbol indicates that special care should be taken. If instructions are not followed there is a risk of serious injury.



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## 9 SlingBar

- Make sure only recomended sling bar is used according to the overhead lifts User Manual.
- Visually inspect the sling bar to detect any cracks or deformities.

#### SlingGuard™

- Check that the unit rotates freely on its bearings.
- Make sure the spring function on the latches are working. The latches on the SlingGuard should still be locked in place while the SlingGuard is held upside down.

## **Universal SlingBar**

- Check that the unit rotates freely on its bearings. Make sure the sling bar doesn't rotate unevenly, wobble or the spinning stops due to high friction.
- Make sure that both latches are mounted and fall back against the body of the sling bar.
- Check that the sling bar is correctly fastened.
- Make sure there are no deformities in the attachment points (A).

## **SlingBar Standard**

- Verify that the o-ring is present and positioned in the center bolt groove.
- Check that the unit rotates freely on its bearings.
- Make sure that both latches are mounted and fall back against the body of the sling bar.
- Make sure the SlingBar cover is attached to the sling bar.

## Quick-release Hook TDM™

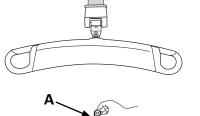
- Verify that fasteners in red plastic covers are tight.
- Inspect spring recoil. Manually press and lower the plastic covers and spring assembly away from the aluminium hook.
- Verify that the spring snaps back against the hook, providing a secure snap-fit lock.

## 10 $\triangle$ Lift Strap

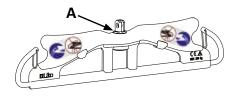
- Make sure the lift strap is not older than 5 years, according to service history. If service history not is available, the recommendation is to replace the lift strap if the lift is 5 years or older.
- Using the hand control, lower the strap to its maximum extension. Inspect the strap for frayed edges, heavy wrinkles or wear-through areas.
- Make sure the plastic cover is not damaged and the screws are properly fastened
- Verify that the sling bar attachment is secure on strap.
- Make sure there are no deformities in the slingbar attachment (A)

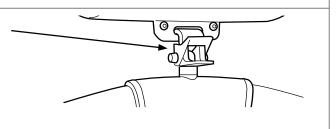
## Q-Link / Lift Strap Joint (Likorall<sup>™</sup>)

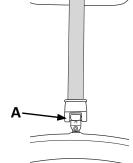
• Verify that the link is secure on strap. Slide plastic cover off the link and visually inspect that the lift strap safety pin is seated securely in the middle recess of the link.

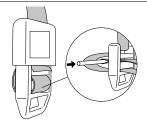












Liko<sup>™</sup> overhead lifts

#### 11 Environmental Impact – corrosive environments

Due to the environment an overhead system is installed in, components may be subject to corrosion. High temperature, high relative humidity, poor ventilation, presence of chlorine and different combinations of these factors, will affect the corrosion rate.

Depending on material type a corrosion attack can occur suddenly or in other cases form gradually. The corrosion rate and type of corrosion attack might be different in one area of the installation compared to another.

 $\Delta$  Fixing points classified as safety critical, installed in a corrosive environment such as indoor pool or bathroom, must be inspected. When a component has reached a certain stage of corrosion it might need to be replaced.

#### Note! If printed - print out in color.

Check for visible severe corrosion and material loss and identify if components need to be replaced.

## **Galvanized steel**

These pictures describes the evaluation method for all galvanized steel components.









1. New bolt

2. Acceptable

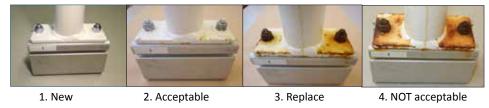
3. Replace

4. NOT acceptable

- 1. A galvanized steel component.
- 2. White rust on a component appears when the surface treatment corrodes.
- 3. Red rust appears when the actual steel has started to corrode. Corroding steel will result in material loss and should therefore be replaced.
- 4. A component covered in red rust is unfit for use.

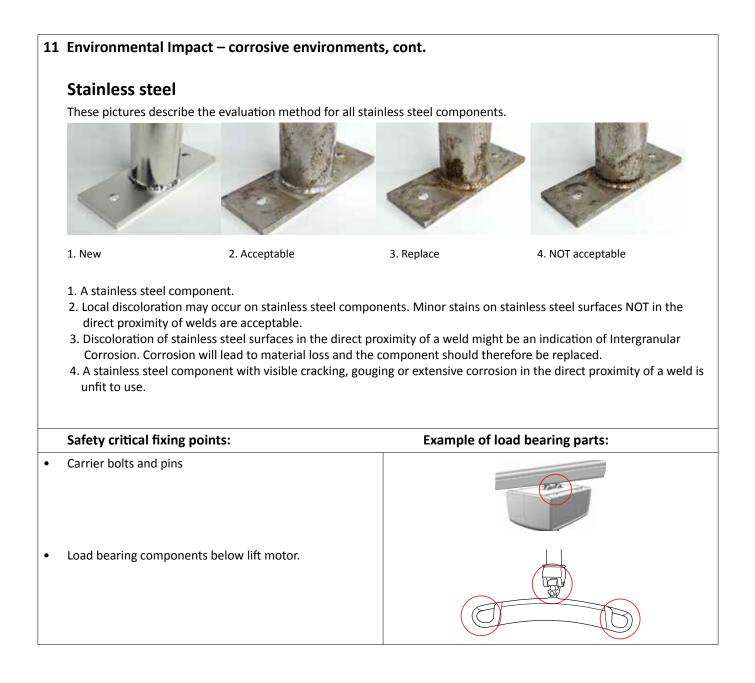
## **Powder coated steel**

These pictures describes the evaluation method for all powder coated steel components.

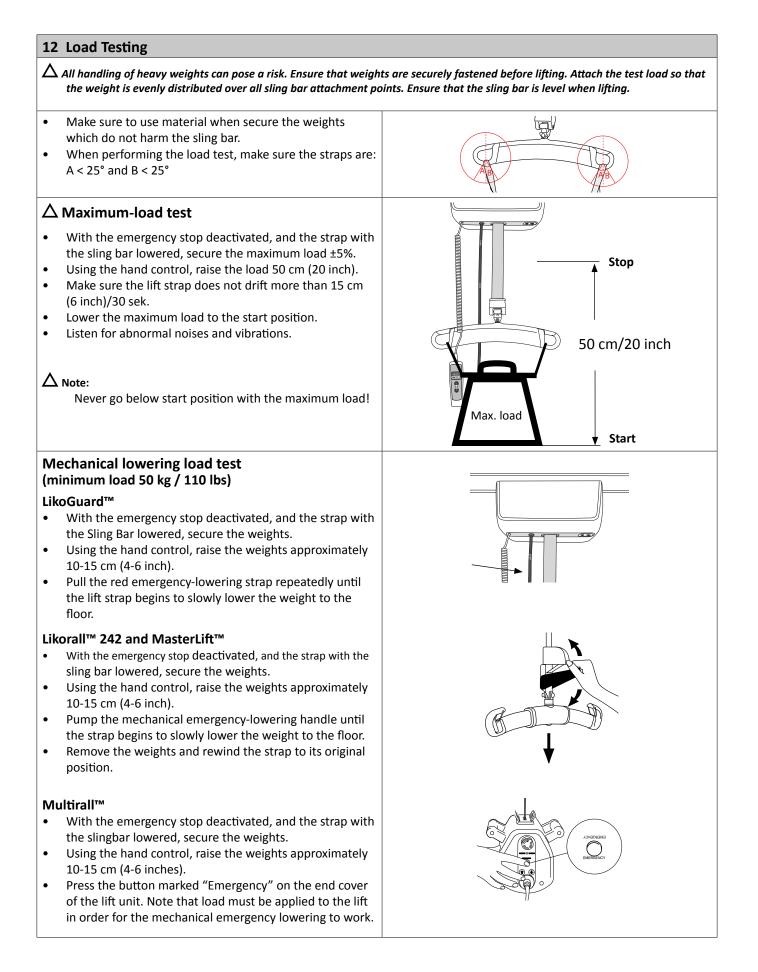


- 1. A powder coated steel component.
- 2. Local discoloration may occur in close proximity to corroding non-painted components. Stains on the painted surface is acceptable.
- 3. Cracks in the paint and red corrosion under the paint is a sign of corroding steel. Corroding steel will result in material loss and should therefore be replaced.
- 4. A component with peeling coating, bubbles in the paint and red corrosion under the paint is unfit to use.

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# Instructions for the check points Liko<sup>™</sup> overhead lifts

13 Clear Service (if applicable):							
<ul> <li>LikoGuard<sup>™</sup></li> <li>When approved Periodic Inspection has been performed, reset the hand control service symbol  for according to instructions in LikoGuard<sup>™</sup> Service Manual chapter "Reset Service".</li> </ul>							



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