Periodic Inspection protocol



FreeSpan[™], FreeStand[™] freestanding lift systems

3EN301001 Rev. 3

System information	Customer reference		
Type of Freestanding	Agreement No:		
Lift System:	Name:		
Approved Max Load:	Address:		
Year of installation:	Post Code		

Liko[™] Freestanding Lift System must be thoroughly inspected at least once per year. Inspection and service must be carried out by Hill-Rom authorized personnel. Periodic Inspections are available for: Liko[™] Overhead Lifts (3EN191001), Overhead Rail System (3EN301001), Accessories (3EN601001) and Mobile Lifts (3EN371001). If printed: Make a color print of this instruction.

ecal rail marking				
an and the second term				
eneral inspection				
ails				
nd stops				
de Support				
	N/A	Action required:	Approved	Not approved
eeSpan Cross-beam				
eeStand adj. support arm				
ltra Twist S/N:				
/heels / Feet				
ONMENTAL IMPACT				
orrosive environments				
LOAD TESTING Max Load applied:		Approved	Not approved	
laximum load	Kg:	Lbs:		
Required Measurements: Dimension and (one) unit		Approved	Not approved	
port arm protrude	rm protrude mm: Inch:			
	eneral inspection ils d stops de Support IONAL COMPONENTS eeSpan Cross-beam eeStand adj. support arm tra Twist S/N: heels / Feet ONMENTAL IMPACT rrosive environments TESTING aximum load ed Measurements: port arm protrude	eneral inspection ills d stops de Support IONAL COMPONENTS INFORMATION IONAL COMPONENTS Information Information	Inspection ils d stops de Support IONAL COMPONENTS N/A Action required: ieeSpan Cross-beam ieeStand adj. support arm ieeStand adj. support arm	inspection is is

Inspection sign off

Complete inspection according to the instructions (page 2-6), fill in this page and sign below.					
Approval to use the freestandir	ng lift system	Approved	Not approved		
If the freestanding lift system has one or more inspection points "Not approved", the system must not be used.					
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





Inspection points and product specifications

Liko[™] freestanding lift systems











FreeSpan Rail (Prod. No. 3103115-3103150 or 3103215-3103250) FreeSpan Side Support (Prod. No. 3103512)

 Maximum load:
 250 kg (550 lbs) with FreeSpan Rail up to 3,5 m (138 inch)

 230 kg (507 lbs) with FreeSpan Rail 4,0 m (158 inch)

 200 kg (550 lbs) with FreeSpan Rail from 4,5 m (177 inch)

FreeSpan Traverse

FreeSpan Rail (Prod. No. 3103115-3103150 or 3103215-3103250) x 2 FreeSpan Upright Support (Prod. No. 3103515) FreeSpan Cross-beam (Prod. No. 3103020-3103040)

 Maximum load:
 250 kg (550 lbs) with FreeSpan Rail up to 3,5 m (138 inch)

 230 kg (507 lbs) with FreeSpan Rail 4,0 m (158 inch)

 200 kg (550 lbs) with FreeSpan Rail from 4,5 m (177 inch)

FreeSpan UltraTwin Traverse

FreeSpan Rail (Prod. No. 3103115-3103135) x 2 FreeSpan Upright Support (Prod. No. 3103515) FreeSpan Cross-beam (Prod. No. 3103015-3103045) Straight Rail H70, H100 or H140 x 2 (depending on cc-distance between the FreeSpan rails)

Maximum load: 460 kg (1014 lbs)

FreeSpan UltraTwin

(cc 300 mm): FreeSpan Rail (Prod. No. 3103115-3103150) x 2 UltraTwin Upright Support (Prod. No. 3103520) (cc 800 mm): FreeSpan Rail (Prod. No. 3103115-3103150) x 2 UltraTwin Upright Support (Prod. No. 3103521)

 Maximum load:
 250 kg (550 lbs) with FreeSpan Rail up to 3,5 m (138 inch)

 230 kg (507 lbs) with FreeSpan Rail 4,0 m (158 inch)
 200 kg (550 lbs) with FreeSpan Rail from 4,5 m (177 inch)

FreeSpan Poollift

FreeSpan Rail (Prod. No. 3103115-3103150) FreeSpan Pool Side Support (Prod. No. 3103513) FreeSpan Pool High Side Support (Prod. No. 3103514)

 Maximum load:
 250 kg (550 lbs) with FreeSpan Rail up to 3,5 m (138 inch)

 230 kg (507 lbs) with FreeSpan Rail 4,0 m (158 inch)
 200 kg (550 lbs) with FreeSpan Rail from 4,5 m (177 inch)



FreeStand

FreeStand Upright Support (Prod. No. 3104001) FreeStand parking set (Prod. No. 3104002) Rail H100 (max 3.2 m)

Maximum load: 200 kg (550 lbs)

Instructions for inspection points

Liko[™] freestanding lift systems

 Δ 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.



Instructions for inspection points

Liko[™] freestanding lift systems



Instructions for inspection points

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10 Environmental Impact – corrosive environments

Due to the environment an Freestanding Lift 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.

 Δ 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! 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.







3. Replace



1. New bolt

2. Acceptable

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. New

2. Acceptable

4. NOT acceptable

- 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. Replace

- 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.

10	Environmental Impact – corrosive	environments, cont.						
	Stainless steel							
	These pictures describe the evalu	ation method for all sta	inless steel compo	nents.				
	1. New 2. A	cceptable	3. Replace	4. NOT acco	eptable			
	 A stainless steel component. Local discoloration may occur of direct proximity of welds are a Discoloration of stainless steel Corrosion. Corrosion will lead A stainless steel component with unfit to use. 	on stainless steel compo cceptable. surfaces in the direct p to material loss and the th visible cracking, gou	onents. Minor stain roximity of a weld i component should ging or extensive co	s on stainless steel su might be an indicatior d therefore be replace prrosion in the direct	rfaces NOT in the n of Inter granular ed. proximity of a weld is			
Saf	ety critical fixing points:							
•	Load bearing bolts and nuts		Exa	Example of load bearing bolts and nuts:				
•	Carriers							
•	End stop				₽			
11	Maximum load Freestanding	g Lift system						
	All handling of heavy weights can po Attach the test load so that the weig Ensure that the sling bar is level whe	ose a risk. Ensure that we ht is evenly distributed ov n lifting.	ights are securely fas ver all sling bar attac	stened before lifting. hment points.				
•	Carry out load test with lift motor lift-system, using maximum load (the whole lifting area, by moving rail, and then in a Z pattern (trave Listen for unusual noises and vibr	carriages in Freestandi ±5%) for the system, ac the load along the prim rse). ations. Check for any	ng cross ary					
	abnormalities such as deflection, resistance.	abnormal movement o	r	1918	kg / lbs			



www.hill-rom.com I www.liko.com



Liko AB Nedre vägen 100 SE-975 92 Luleå, Sweden +46 (0)920 474700

Enhancing outcomes for patients and their caregivers.

