



## KNHH Locksafe 2101 - WLL 150 kg

Manual type: User manual  
Type Number: 2101  
Rev. no.: 0

**EMG**  
European Merchandise Group A/S



Date of manual: 15-01-2020  
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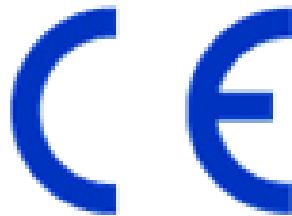
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## EC declaration of conformity

Tool:	KNHH Locksafe
Type no:	2101
Serial No.	0001
Month / Year	01/2021
Function	The KNHH Locksafe is for lifting equipment to maximum of WLL 150kg.


The KNHH Locksafe is in accordance with all relevant provisions of the Machinery Directive (2006/42/EC)



Unapproved changes to the equipment void the validity of this declaration.

**Place:** Esbjerg, Denmark

**Date:** 15-01-2021

**Signature:** 

On behalf of European Merchandise Group A/S , Martin Christoffersen

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## Explanation of Chapters and Symbols

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= Introduction



= Safety



= Technical data



= Functional description



= User's Guide



= Maintenance



= Dismantling and Scrapping



= Spare Parts List



= Subcontractor manuals



= Risk assessment



## Introduction

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### User Manual

This manual is a user manual, which is part of European Merchandise Group A/S technical documentation. It is intended in order to make available the best possible knowledge and use of the equipment.

The User's Manual contains important instructions with regard to security and operation.

Compliance with these instructions will minimize risk, repair costs and downtime, and increase safety.

### Instructions for use of this manual







All users of the equipment must read and use the manual, as in the following cases: Operation and maintenance.

In addition to this manual, current local and national safety regulations shall be applied.



## Instruction in the use of the manual

Meaning of Symbols in the manual:

	<p>Safety Information / Warnings with regard to provisions and prohibitions in order to avoid serious injuries.</p>
	<p>Wear safety shoes for protection from falling objects.</p>
	<p>Use a helmet for head protection from hanging or falling objects</p>
	<p>Wear gloves.</p>
	<p>Entrapment hazard</p>
	<p>Use the available lifting eyes or lifting trunnions</p>

## Scope

The KNHH Locksafe tool is for lift off equipment / tools. Max lift WLL 150kg

## Warranty

The Seller specifies the guarantee, for which European Merchandise Group A/S , is accountable from the date of delivery. Worn parts and general wear and tear on the equipment is not covered by this warranty. The standard warranty does not cover equipment that is damaged due to improper use or use under conditions other than for which they were intended.

The standard warranty does not cover damage, abuse or lack of maintenance, which is contrary to European Merchandise Group A/S recommendations in this manual.

European Merchandise Group A/S has been very conscientious in manufacturing and designing this product, with the aim of achieving as high safety and reliability as possible.

In the unlikely event that you experience problems with your European Merchandise Group A/S product, please contact European Merchandise Group A/S.

Please provide type and serial number information (see data on the equipment).

### **Manufacturer:**

#### **European Merchandise Group A/S**

John Tranums Vej 60, 6705 Esbjerg Ø, Denmark

### **Service & Repair:**

#### **European Merchandise Group A/S**

John Tranums Vej 60, 6705 Esbjerg Ø, Denmark

[www.emg.dk](http://www.emg.dk)



## = Safety

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### General safety regulations

European Merchandise Group A/S cannot be held responsible for damage due to improper use of the equipment.

To avoid accidents, it is extremely important to comply with the required safety precautions.

The equipment must not be used before these requirements are fully understood.

The warranty will be voided if the equipment is modified without written permission of European Merchandise Group A/S.

### User obligations

- Read and understand the User Manual.
- Observe and comply with the instructions this manual.
- Allow only trained personnel to operate the equipment.
- Operators must have a full understanding of the equipment limitations and its use.
- Before hook-up/use, check the equipment visually for defects or malfunctions, and that hooks, chains, shackles, etc. are placed and secured properly. If there are malfunctions or defects, they shall be repaired or the equipment shall be scrapped.





## Warnings and Mandatory Signs

The following warnings and mandatory signs are used on the equipment and in the operator's manual



WLL 150Kg

WLL (Working load limit) is defined as the maximum load that must be applied on the lifting equipment.

### Loadtest

See attached document 2021.00095.0001-L



## **Safety Precautions for lifting**

### **CHECK BEFORE LIFTING:**

- Use only approved and suitable lifting wires, shackles.
- Verify that the equipment has been inspected (tested) and approved for the lifting procedure.
- Always check the equipment visually for damage before use (see service).
- Check the equipment (e.g. lock) for structural failure (e.g. cracks, fractures, wear) which can reduce the safety and function.

### **DANGER ZONE:**

- Do not stand under during lifting.
- Do not walk under a suspended load.
- Make sure that the equipment cannot swing into the operator or other persons in the lift zone when the load/lifting equipment is lowered.
- Clear the lift zone for any trip hazards, which could cause operators to fall during the lifting procedure.
- Never leave the equipment unsupervised during a lifting procedure.
- Make sure to fasten the load/lifting equipment securely before leaving lift site.

### **SAFE LIFT:**

- It is important that the equipment and load are adjusted and secured, so as to ensure a correct and safe lift.
- Each type of load (including transient loads) which exceed the maximum Work Load Limit (WLL) must be avoided. Should such a situation occur, the equipment must undergo a full inspection by an expert, before re-entry into service.
- Oblique pull on loads should never occur. If such a situation occurs, the equipment must fully be examined by an expert, before it is used again.
- Always use gloves, helmet and safety shoes, when the equipment is used.
- Lifting operations must take place in a controlled manner without sudden movements.

**The equipment shall not be operated by persons under the age of 18 years.**

**The equipment must only be used by trained personnel.**



## PERSON LIFT:

The equipment must not be used for lifting persons or other living things.





If needed for other appliances please contact EMG for more info.

Modification of the equipment without written permission of European Merchandise Group A/S is not allowed.

The guarantee will be void if this condition is not met.

**Non-compliance with the above rules and safety precautions may result in injury or damage to property.**

## Personal protective equipment

Safety Assessment for normal lift	Labelling
Use only approved equipment.	
Wear safety shoes for protection from falling objects.	
Wear helmet for protection from falling objects.	
Use gloves in case of contacting wire, chains, etc.	



## Technical data

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### Data

Type No.:	KNHH Locksafe 2101
Work Load Limit: (WLL)	150 Kg
Safety Factor:	Lift: 5 x WLL
Design code:	Machinery Directive (2006/42/EC)
Ambient temperature:	-20° C to +40 °C
Atmospheric environment:	No requirements
Construction material(s):	Aluminium

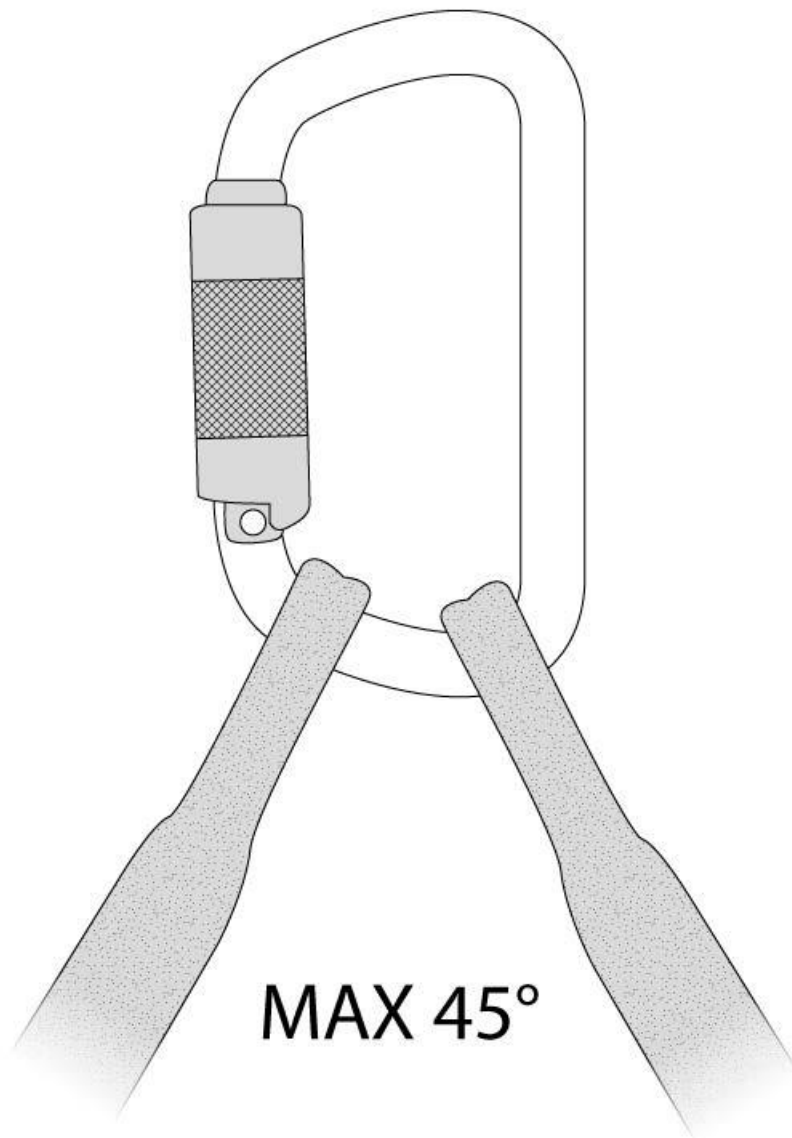


## Functional description

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The equipment is for lift to WLL 150Kg

USE OF EQUIPMENT ON LIFTING BAGS: When hoisting lifting bags through the equipment the angle of the lifting slings must be a maximum of 45 degrees.





## User's Guide

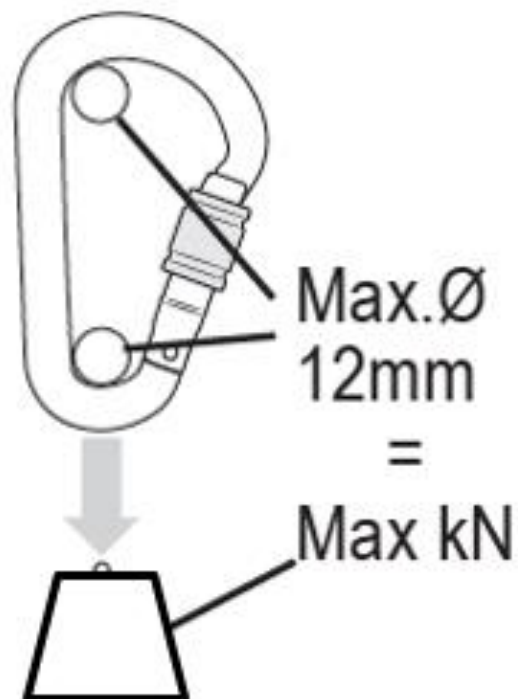
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### Work procedure

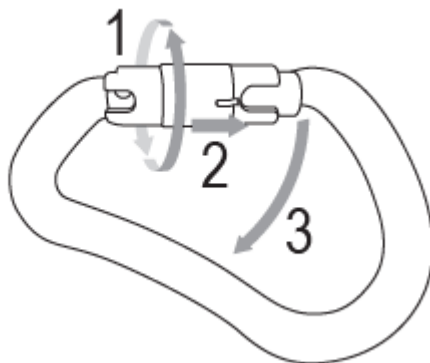
#### USE OF EQUIPMENT:

The KNHH Locksafe 2101 is for lifting equipment and tools. Must only be used to lift vertical.

As shown.



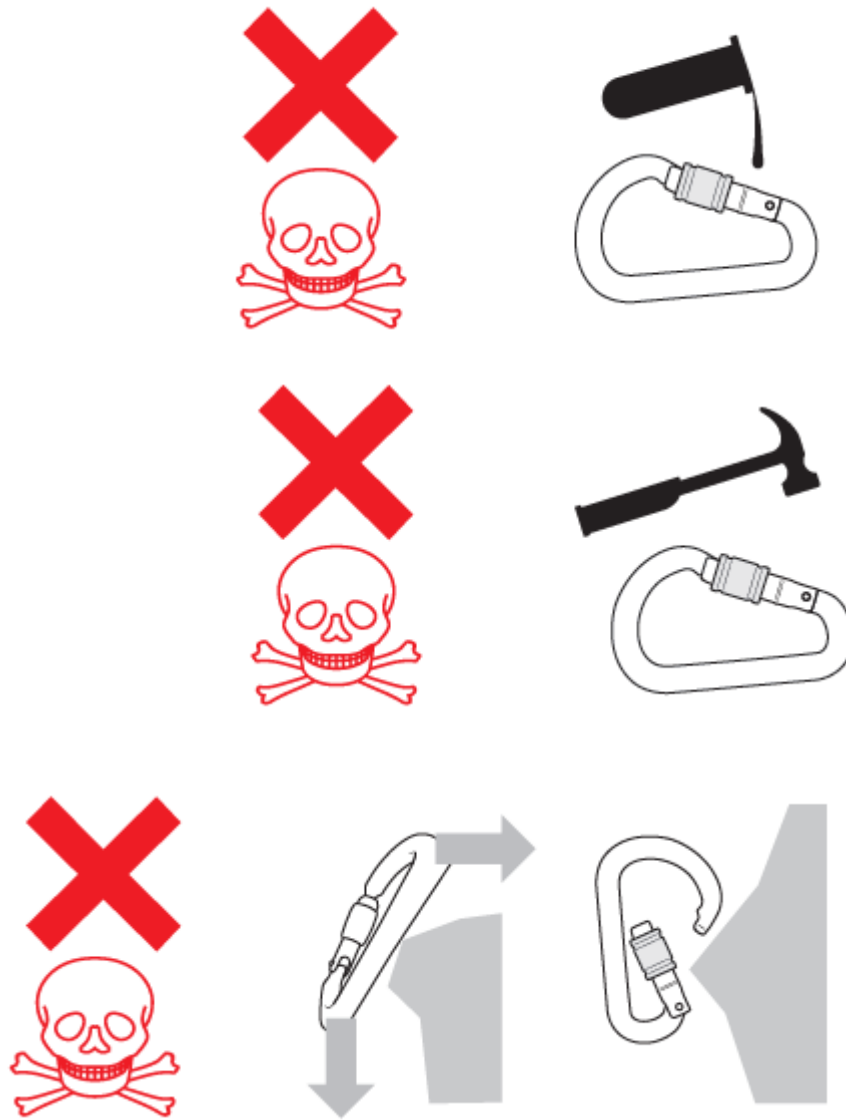
Make sure it is locked before lifting. Lifting is not allowed before the device is locked.

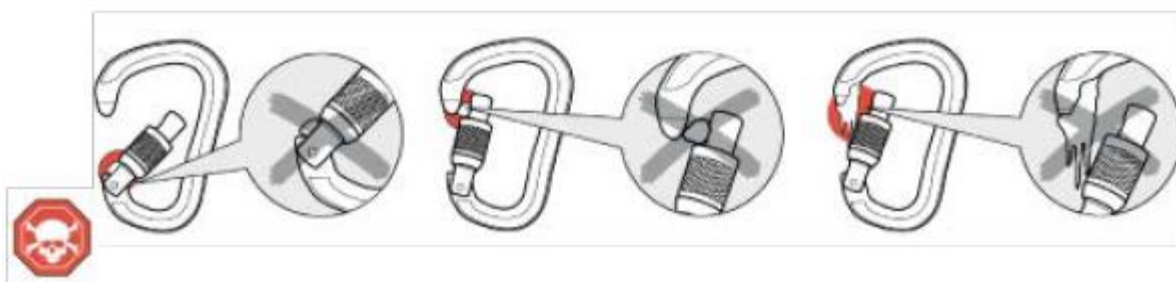
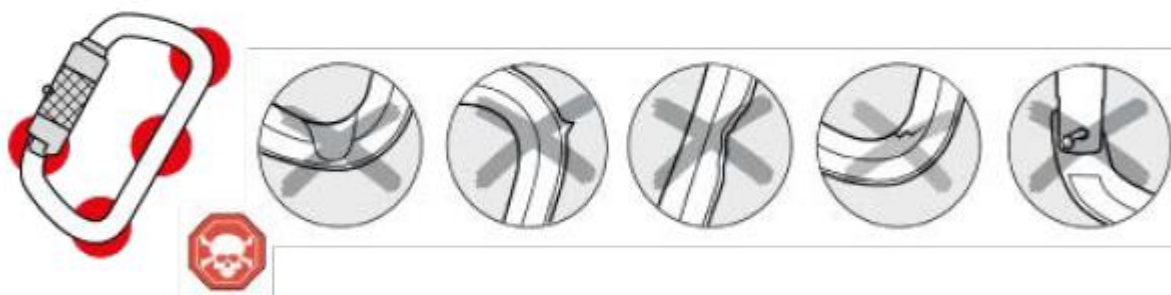


**Warning:**

Equipment must only lift in the position as shown above.

Please be aware of anything that can harm the equipment.









## Maintenance

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### Maintenance Personal

Maintenance and repair work must only be carried out by personnel who have received the necessary Instructions and training for this work.

### Cleaning and order

The equipment must be kept clean.

### Preventive Maintenance

*All checks and load tests must be documented.*

The equipment, hooks, shackles, slings, etc. should be visually checked for malfunctions or defects before and after use. If any malfunctions or defects are found during the check, the defect equipment shall be taken out of service and labelled as defective until the malfunction or defect is rectified.

If the marking is unclear or missing, it shall be replaced immediately with a new one.

If the equipment embossed number or WLL is unclear, it must be restored immediately.

Replacing components is not permitted..

Any remediation of errors or shortages, or component replacement, support and equipment, must be followed by a complete overhaul.

Substantial alteration or repair is not permitted.

## Inspection prior to use

A visual inspection must be carried before use

A person that has “user level” knowledge and who has gone through the user instructions must perform the inspection, which shall include at least:

- ✓ Check for overload
- ✓ Check all welds for cracks
- ✓ Check whether there is deformation, breakage, etc.
- ✓ Check for wear on suspension points and lifting pins
- ✓ Check for exposure to heat, chemical substances, etc.
- ✓ Check for wear, condition and rust (pitting)
- ✓ Check rating plate and decals etc.
- ✓ Check date of last annual overhaul
- ✓ Check all connections / lock

### **Must be discarded with:**

- ÷ Cracked welds, cracks, etc.
- ÷ Strong and permanent deformations
- ÷ Pitting
- ÷ Unreadable or missing type plate and warning signs, etc.

## Annual Inspection

A major overhaul must be performed at least once every 12 months.

The inspection must be carried out by an "expert" and must include at least:

- The same overhaul, as in monthly, as well as the following:

The inspection should also include the following:

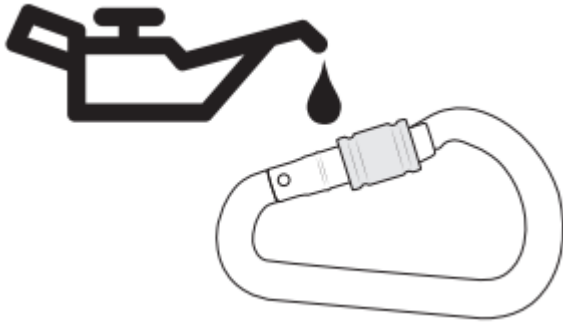
- A static load test at 5 x WLL

### **An expert is one who has:**

1. Knowledge of the equipment technical structure and function
2. The necessary education and training in service and maintenance of the equipment
3. Knowledge of the equipment User Instructions
4. Knowledge of Workplace Safety Ordinance safety requirements for the equipment, especially in the area of review, load test and document.
5. Knowledge of requirements of other authorities

## Service

Must be lubricated minimum every 12 months or as needed





## Dismantling and Scrapping

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### **Scrapping:**

Equipment shall be scrapped according to applicable laws and regulations.



## Subcontractor manuals

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1. Loadtest report number 2021.00095.0001-L



## Risk assessment

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Risk assessment can be obtained from European Merchandise Group A/S.