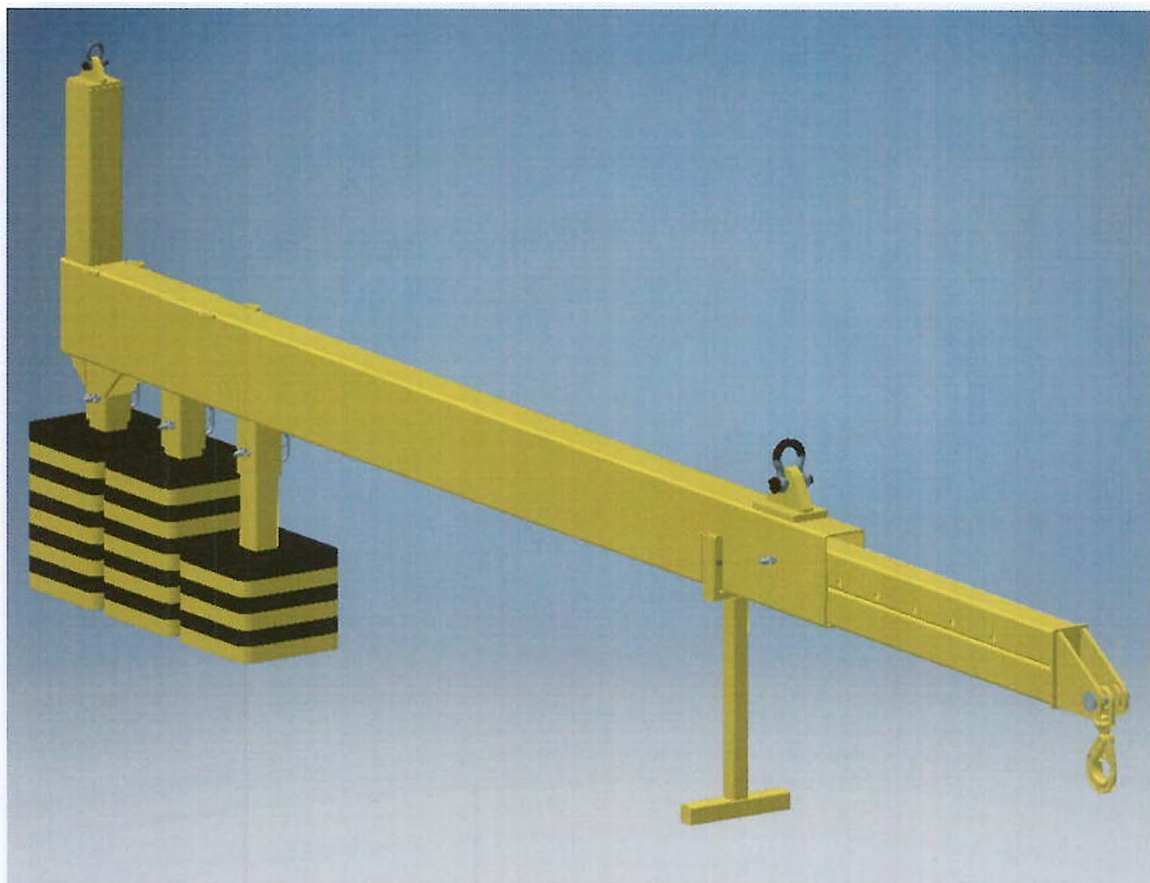


# Operating Instructions

Maxi-steker 15000 UL  
573-Serial number



[ MAATWERK IN HIJSTECHNIEK ]

## Operating instructions

**Maxi-steker 15000 UL<sup>®</sup>**

---

## Table of contents

1. General information .....	3
2. Data .....	4
2.1 Data Maxi-steker 15000 UL with options .....	4
2.2 Manufacturer .....	4
2.3 Function of the Maxi-steker 15000 UL .....	4
2.4 Explanation of symbols and documents .....	4
3. Commissioning.....	5
3.1 Connecting the Maxi-steker .....	5
3.2 Connecting the load.....	6
3.3 Setting the counterweight.....	6
3.4 Setting the load bar.....	6
3.5 Chains.....	8
3.6 Transport support .....	8
3.7 Special options on the Maxi-steker .....	9
3.8 General safety instructions .....	9
3.9 Not allowed use.....	10
4. Maintenance .....	10

Appendix A: Load chart General

Appendix B: Load chart General + Oriëntator 600

Appendix C: Load chart T-frame – Load bar 1100

Appendix D: Load chart T-frame – Load bar 1100 + Oriëntator 600

Appendix E: Setting Counterweight

Appendix F: Setting the load bar

Appendix G: Setting the T-frame

## **1. General information**

This hoisting mechanism has been developed and built to allow a safe use and maintenance. This applies to the application, circumstances and guide lines, as described in this documentation. Reading this documentation is a must for everyone who's working with this hoisting mechanism.

All technical information and the given drawings remain the property of **BOMECON Nijkerk** and may not be used without written permission.

The information in this user guide is based on the most recent available information. They are provided with the restriction of possible later modifications.

This user guide contains useful and important information for a proper operation and maintenance of the hoisting mechanism. It contains also important information to prevent accidents and damages when installing and running the hoisting machine. Following the directions will allow a safe and trouble-free operation of the hoisting mechanism.

The Maxi-steker has many different configurations. The correct configuration of the Maxi-steker must be determined before you start working with the Maxi-steker. The configuration of the Maxi-steker must be recorded in the work plan.

## **2. Data**

### **2.1 Data Maxi-steker 15000 UL with options**

Manufacturer	Bomecon
Type	Maxi-steker 15000 UL
Own mass	Max. 4965 kg, according to load chart.
Workload limit (WLL)	Max. 15000 kg, according to load chart.
Serial number	573-...

### **2.2 Manufacturer**

For complains and problems regarding the operation of the Maxi-steker, you should contact:

BOMECON CONSTRUCTION & VERHUUR B.V.  
EDISONSTRAAT 21A  
POSTBUS 1017  
3860 BA NIJKERK  
TEL. : 033-2463200  
E-MAIL: info@bomecon.nl

### **2.3 Function of the Maxi-steker 15000 UL**

The Maxi-steker 15000 UL is a special developed hoisting tool, which can be connected to the hook of the crane. This tool is special develod for safe hoisting of several building materials, just inside the front line of a building.

The Maxi-steker, provided with counterweight, is an universal hoisting tool with (in normal situation) a safety hook to connect the load. It's also possible to exchange the standard load bar to connect another Bomecon tool, by example a T-frame or special load bars.

### **2.4 Explanation of symbols and documents**

The following symbols are shown on the Maxi-steker.

Warning! Read the operating instructions!



Warning for suspended loads.

The Maxi-steker has a load chart, with important data. The load chart shows the maximum workload and the own mass for different configurations of the standard Maxi-steker. In special situations, you need to use the special load chart, by example when a T-frame or a special load bar is connected to the Maxi-steker.

It is forbidden to work without the load chart. Also exceeding the load chart is forbidden.

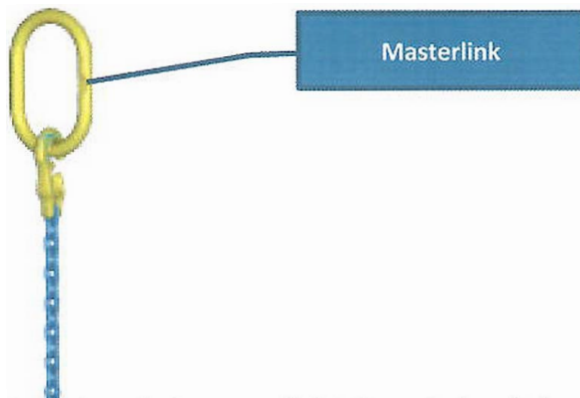
The load charts for general and specific situations are shown in appendix A, B, C and D.

### **3. Commissioning**

#### **3.1 Connecting the Maxi-steker**

The connection of the Maxi-steker into the hook of the crane, takes place by connecting the master links of the 2 chain slings directly in the hook of the crane.

2 chain slings are attached above the Maxi-steker, 1 in the front and 1 rear. In the front is the strongest chain connected. It's forbidden to exchange the location of the chains.





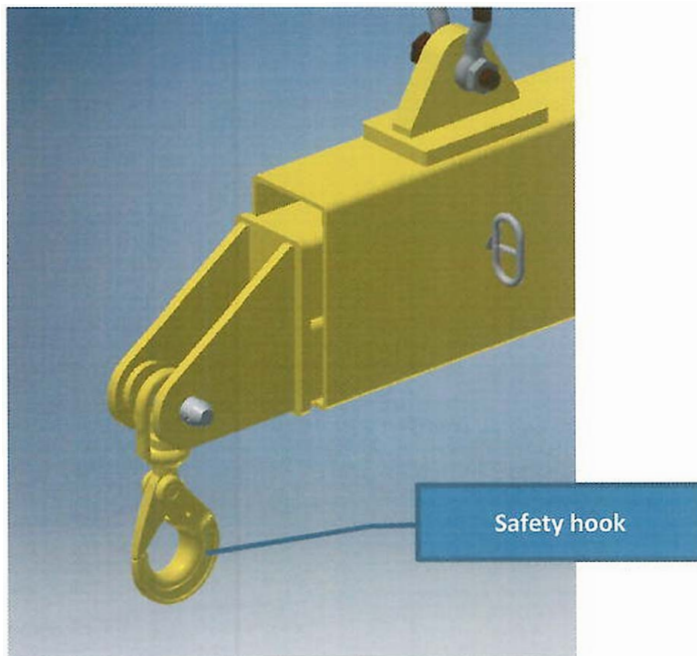
**Warning!** Adjusting the chains can ensure dangerous lifting situations. When it isn't really necessary, do not do it. When you really need to adjust the chain, see appendix A, B, C and D and check size **A=**. If in doubt, you should consult Bomecon.

The chain at the front may be made up to 3.5 meters shorter (maximum). When you make the front chain 3.5 meters shorter, the chain behind has to be made 2.75 meters shorter.

When you make the front chain 2 meters shorter, the chain behind has to be made 1.6 meters shorter.

### 3.2 Connecting the load

The load needs to be connected into the safety hook of the Maxi-steker. The safety hook is linked with a locked pin. It's for the user strictly forbidden to remove the pin and the locking.



### 3.3 Setting the counterweight

The counterweight of the machine is adjustable by the number of counterweight-plates.

The number of counterweight-plates is depending on the hoisting situation. The number of plates is variable, dependent on the load. The amount of plates can be seen in the load chart.

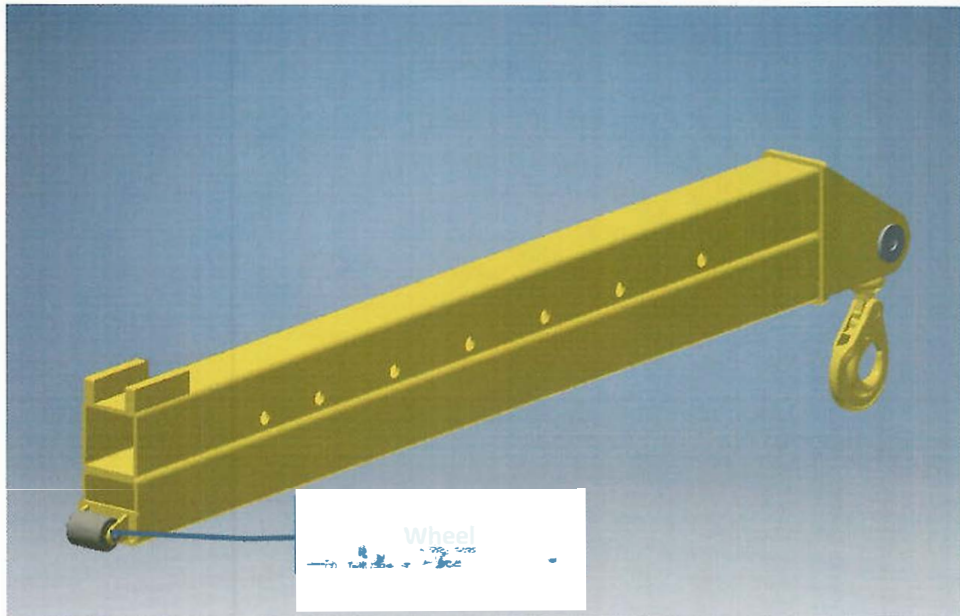
For setting the counterweight, see appendix E.

### 3.4 Setting the load bar

The load bar of the Maxi-steker is collapsable. A wheel is attached at the rear. The load bar is adjustable in length and has a number of tab holes which allow the user to change the length.

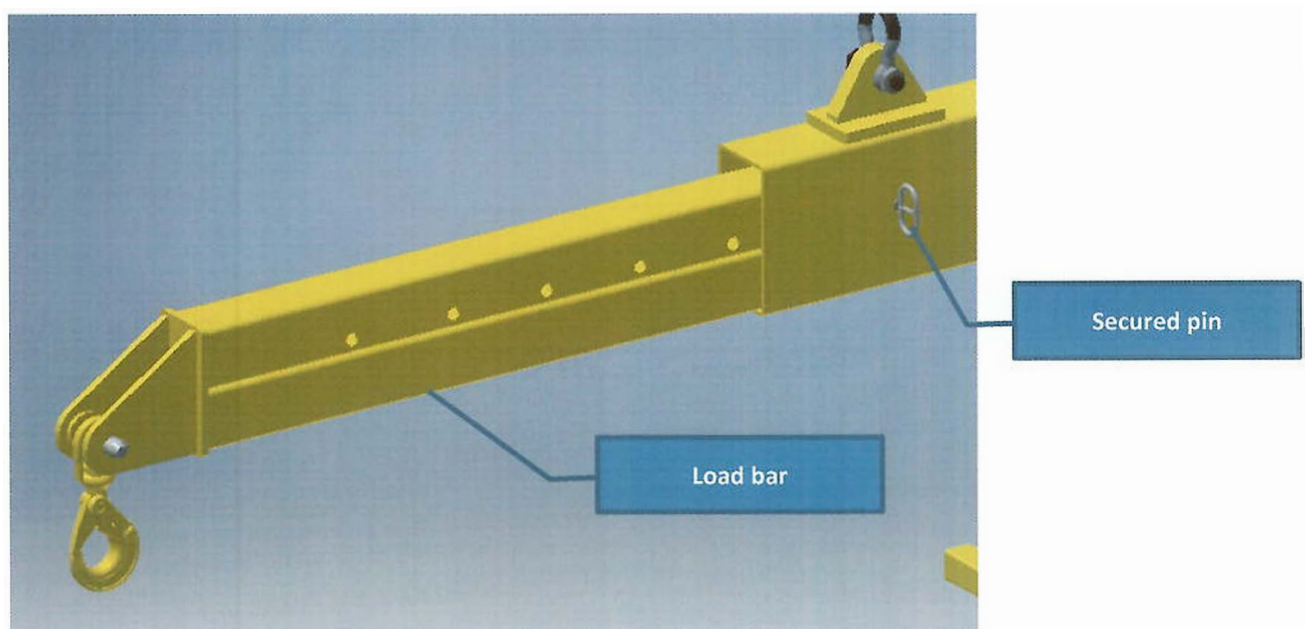
For changing the load bar or the length of the load bar, see appendix F.

For setting the load bar, see appendix A, B, C and D.



The length of the load bar is adjustable and mounted by a secured pin into the tab hole of the machine frame. The allowable length of the load arm is depending on the load and the number of counterweight-plates. The length of the load bar is different in each hoist situation.

To set the load bar, you should lift the load bar a little bit in the front with a crane or something like this. After that, you can put the load bar in or out. A more specific description is shown in appendix F.





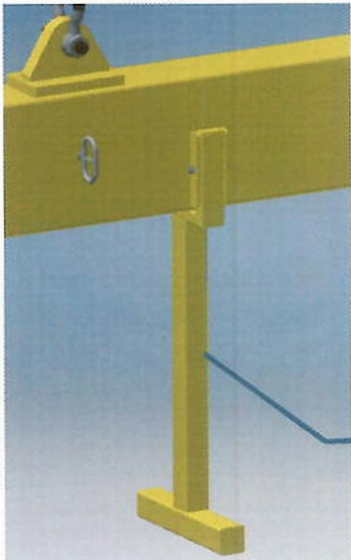
### 3.5 Chains

The Maxi-steker has 2 certified chain slings, which carry the machine with the load. The chain in the front is much stronger, and takes the biggest load. Both chain slings are equipped with a master link, connected in the hook of the crane.

**Warning!** The chain slings are connected by Bomecon and may never be changed by the user. It's important that the strongest chain sling is mounted in the front.

### 3.6 Transport support

The machine has a removable support, which is connected when the machine is transported or when the machine isn't in use. This takes care for a stable placement.



When the machine is in use to place a load, it isn't mandatory to use the transport support. When the machine is put aside, the transport support must be mounted.

Transport support

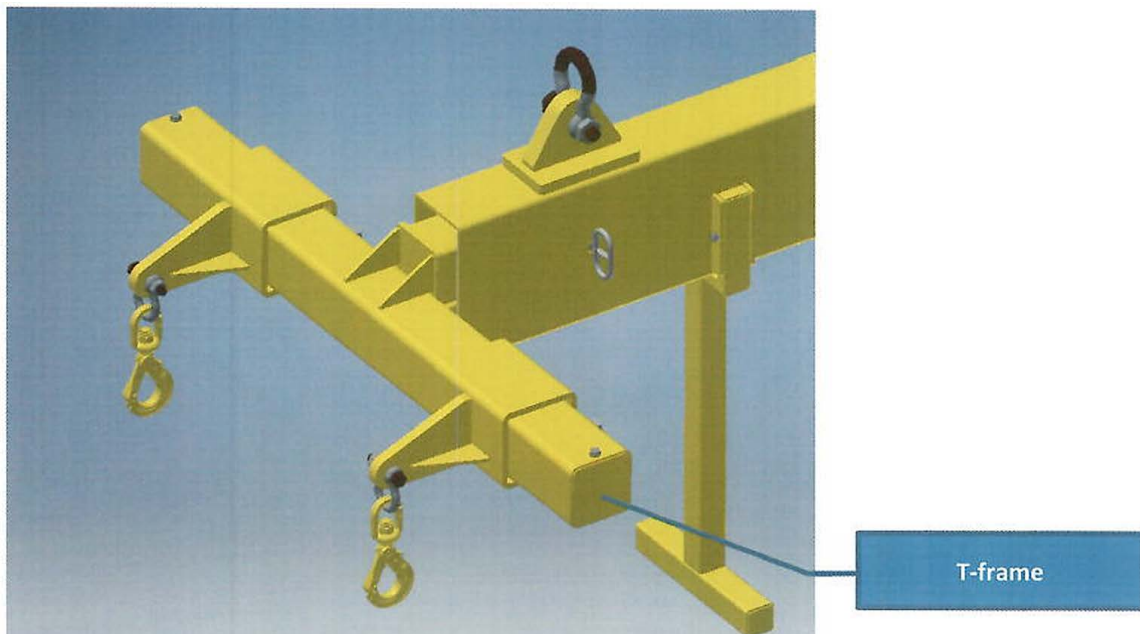
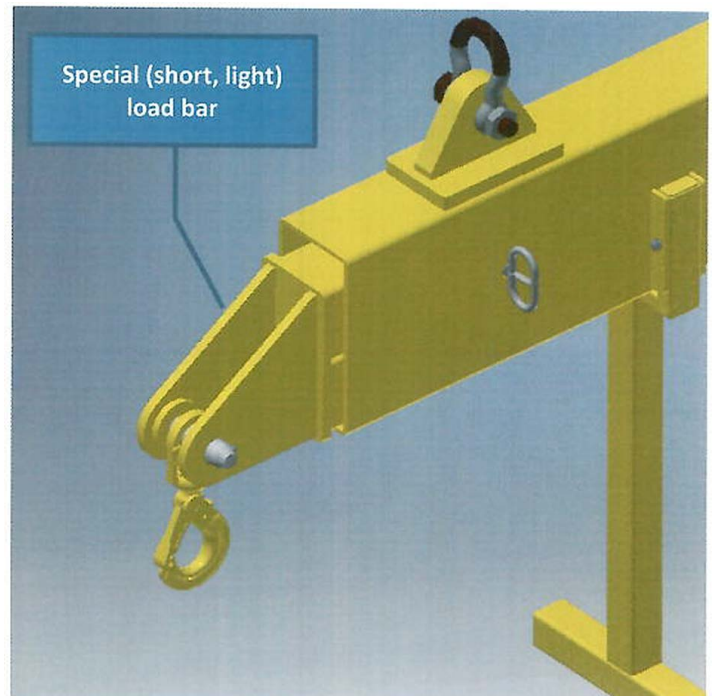
### 3.7 Special options on the Maxi-steker

It's possible to connect a special load bar or a T-frame in the front of the Maxi-steker. The special load bars are shorter or longer than standard load bar.

Users have to work with a crane or forklift truck to exchange a load bar or T-frame. Exchanging is only allowed when the machine is not in use.

In appendix F is shown how to set or exchange a load bar.

In appendix G is shown how to set the T-frame.



### 3.8 General safety instructions

- ◆ It is prohibited to hoist more than the maximum permitted load, specified in the load chart.
- ◆ It is prohibited to hoist loose piled material.

- ◆ It is prohibited to hoist the load attached to the packaging material.
- ◆ It is prohibited to use the Maxi-steker for the transport of persons.
- ◆ It is prohibited to work with the Maxi-steker before the correct configuration is recorded in the work plan.
- ◆ It is all times forbidden to be under the load during or after hoisting.
- ◆ Safety is crucial. Therefore careful control is necessary when one knows or supposes that the Maxi-steker has been overloaded, it is important – to ensure the safety – contact Bomecon and report this.
- ◆ It is prohibited to after conclude of damage (deformation and breakage), by overloading, to continue working.
- ◆ Before you start working with the Maxi-steker, it have to be checked that all pins, chains and hooks are secured.
- ◆ Before you start working, the configuration of the Maxi-steker must be determined. The configuration needs to be defined in a work plan.
- ◆ The Maxi-steker has to be tested with a trail load of two times the working load according to the European Standard NEN-EN 13155
  - after production
  - after reparationAt least once a year and after intense use of the Maxi-Steker a visual inspection is required. (Consult your manufacturer for information on this procedure).
- ◆ It is absolutely forbidden to align the parts by means glowing.
- ◆ To prevent damage, the Maxi-steker may only be moved with the 2 chain slings.

### **3.9 Not allowed use**

It is not allowed to use the Maxi-steker 15000 UL else than explicitly described in this manual. In case of doubt or lack of clarity you always must consult Bomecon.

## **4. Maintenance**

For a proper maintenance the user must carry out the following activities, on a monthly basis.

- Check hinge pins.
- Check all pivot points.
- Repair damages in time.
- Check spring clips, tab hole pins and replace if necessary.
- Check the chain slings and safety hooks.

The maintenance activities, mentioned in the operation instructions may only be executed by authorized technicians. Major maintenance activities may only be done by mechanics of Bomecon.

In view of safety, maintenance activities may not be executed during hoisting.