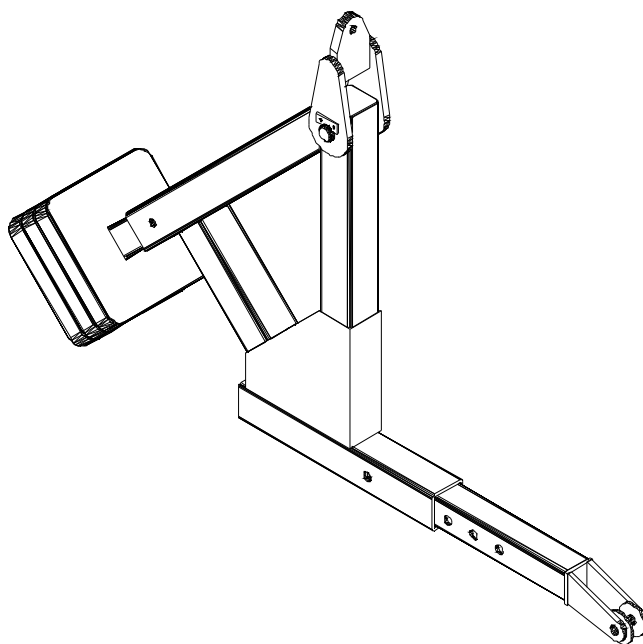




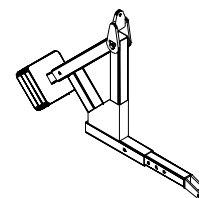
User guide

Combi- Steker 5.000 ©



BOMECON - NIJKERK©

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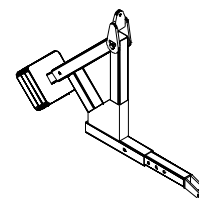


USER GUIDE

Combi- Steker 5.000[©]

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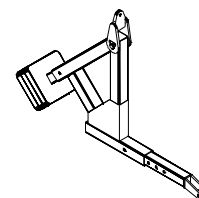
BOMECON NIJKERK CONSTRUCTION EQUIPMENT

USER GUIDE

Combi – Steker 5.000

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	A. Adjusting the counter balance arm
	B. Maximum hoisting load at various positions
	C. Certificate Aboma and Keboma
	D. Declaration Bomecon Nijkerk B.V.



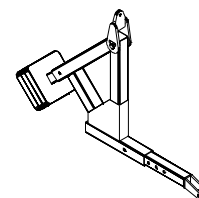
1. General

This machine 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 every one working with this machine.

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 has been based on the most recent information available. 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 machine. Also it contains important information to prevent accidents and damages when installing and running the machine. Following the directions will allow a safe and trouble-free operation of the machine.



2.1 Data Combi Steker

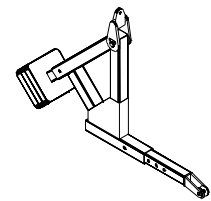
Manufacturer	BOMECON- NIJKERK
Type	<i>III</i>
Model	5000
Weight	1250 kg + 185 kg/Plate
Working load limit	Max. 5000 kg
Serial number	<i>712- serial number</i>
Year of construction	<i>2007</i>

2.2 Manufacturer

For complaints and problems regarding the operation if the Combi Steker you should contact:

BOMECON - NIJKERK
EDISONSTRAAT 14-16
POSTBUS 1017
3860 BA NIJKERK
TELEFOON: +3133-2463200
FAX: +3133-2460936
E-mail: info@bomecon.nl

Bomecon Nijkerk®



2.3 Functie van de Combi-steker 5.000:

The Combi – Steker is a device that has been especially developed to be hung in the crane hook, in order to safely load and unload building materials, directly inside the front line.

The Combi – Steker which has a central point of rotation and counter balance arm – is an universal device to which a safety swivel has been connected, that can carry a four leg sling , a pallet fork, or a stone-clamp. It is also possible to connect a lifting beam and fork to insert window frames and place cavity walls.

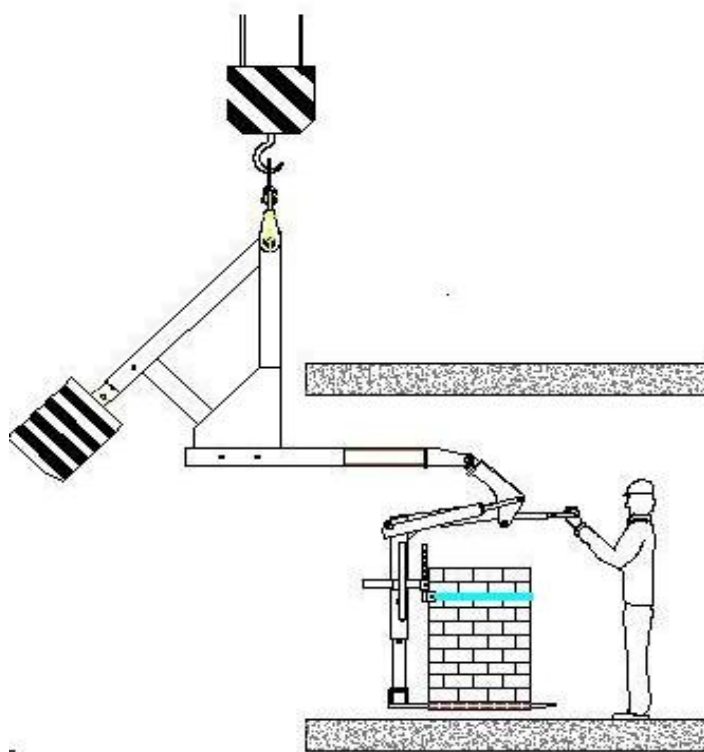
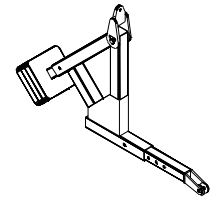


Figure 2.1 Working method of the Combi Steker



3.How to put the Combi-Steker into operation.

3.1 Slinging on the Combi Steker:

Sling on the Combi Steker by placing it into the crane hook.(Use tilting yoke with the right working load limit, Should meet the performance requirements of Federal Specifications).

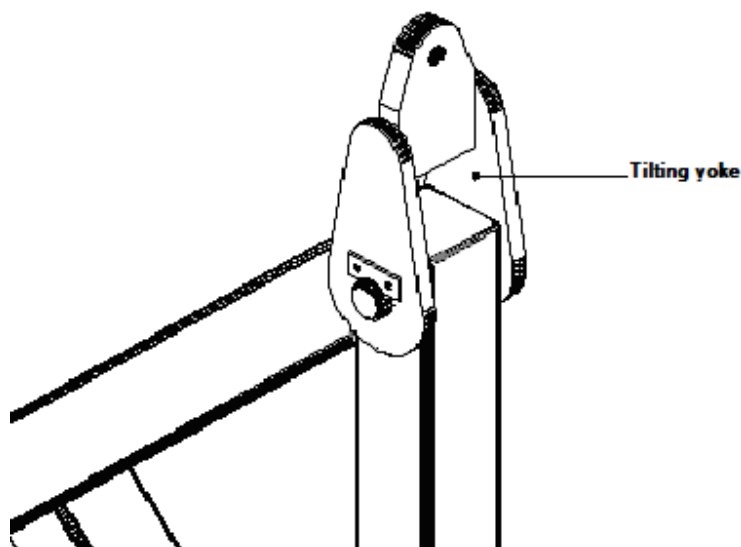
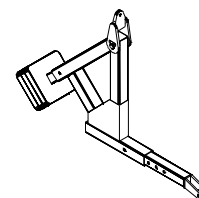


Fig.3.1 : “ tilting yoke”

The location of the tilting yoke is indicated in above figure 3.1. The tilting yoke - with anchor shackles and master link – is part of the Combi Steker. Warning: the above instruction have to be followed for a safe operation of the Combi Steker. Always check before use the cotter pin. Use bolt type anchor shackles with a thin head bolt-nut and cotter pin !



3.2 Adjustment of the Combi Steker

It is of utmost importance for Bomecon to know:

- The depth of inserting (the arm).
- The working load

This information will determine the type of Combi-steker and the maximum ballast load.

The user must at all times adhere to the loading limits as instructed by Bomecon. Bomecon will provide a loading diagram to determine the ballast. See loading diagram.

Do never hoist more than the effective load (inserting depth x load) as instructed by Bomecon.

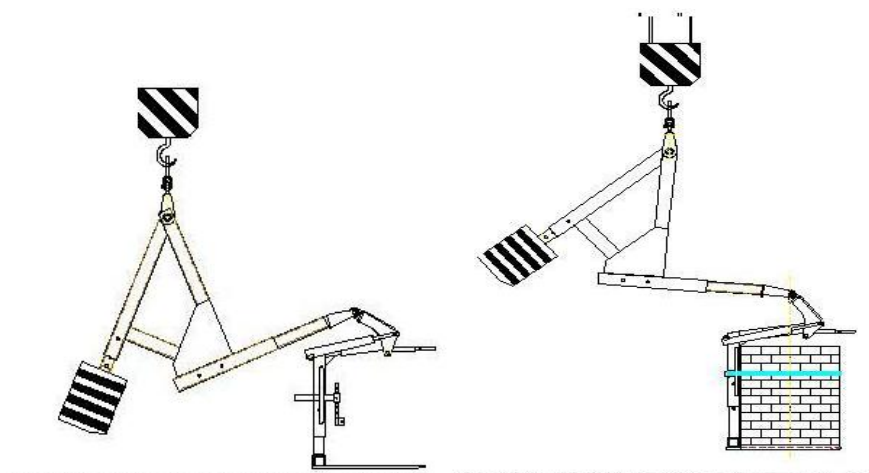
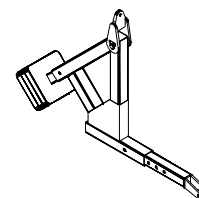


Fig. 3.2 'Hoist Combi-Steker'



3.2.2 Adjustment of the counter ballast blocks

The counter weight can be adjusted by sliding the balance weight required, around the adjustable socket. Consult the loading diagram provided by Bomecon.

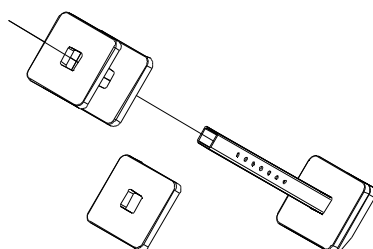
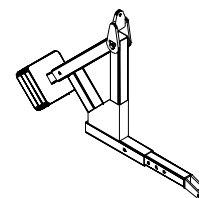


Fig. 3.3. 'adjustable socket - counter weight.'

In Attachment A are the different longitudes of the counter weight displayed



3.3 Adjustment of the front head arm

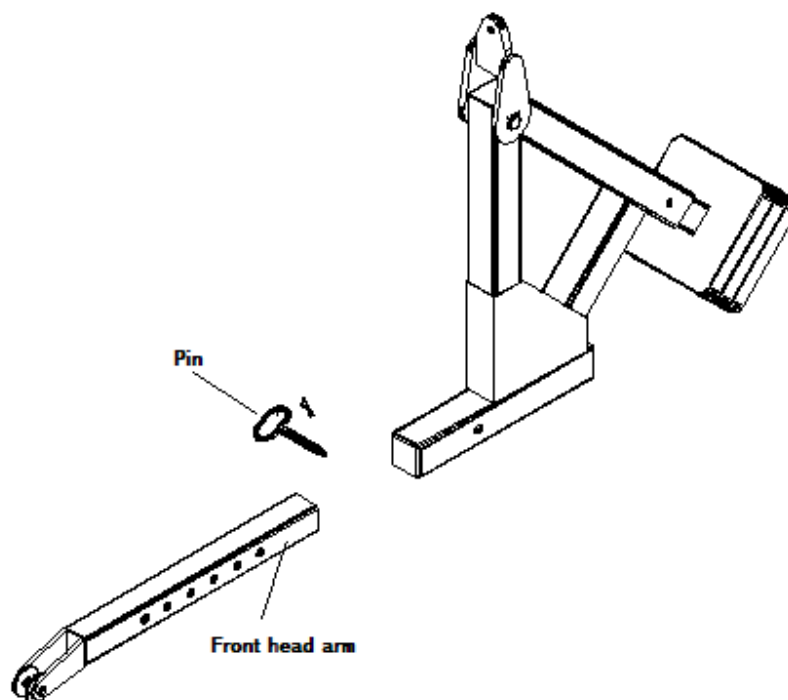
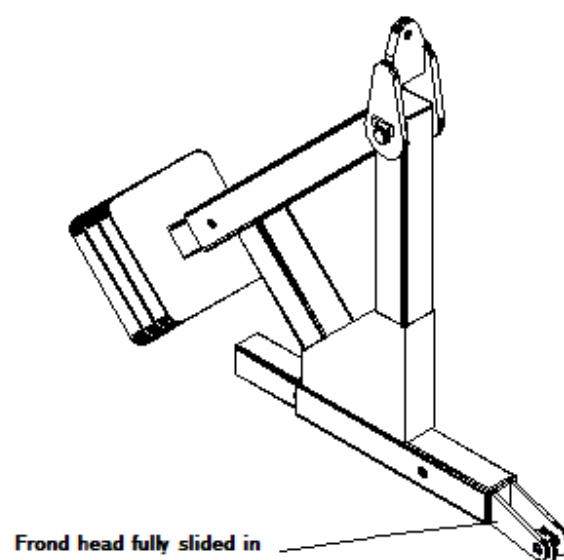
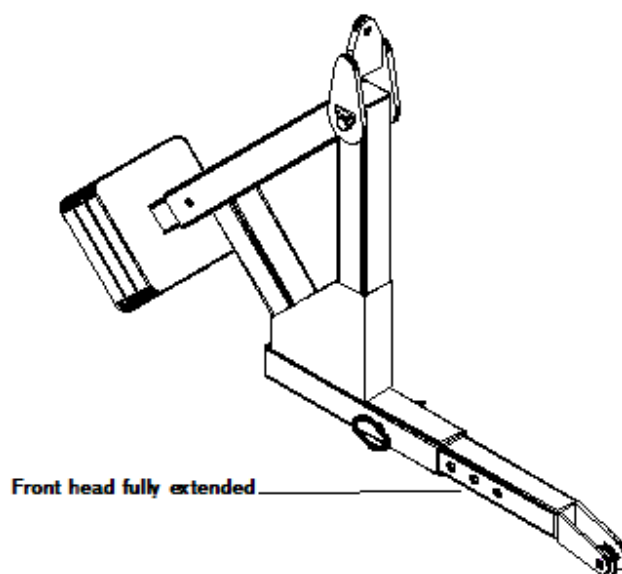
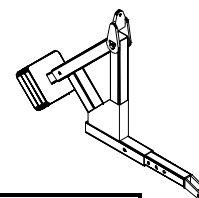


Fig. 5 'Front head arm'

The front head arm is adjustable in length and has a number of tab holes which allow the user to change the length. Determine the length on basis of the loading diagram and place the pin into the tab hole of the frame and close with a locking pin

Warning
Maximal hoist weight only at maximal length of the front head arm
-
See hoist model at attachment B



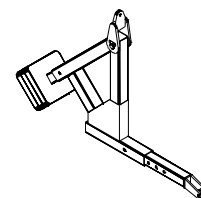


Fig. 6 'Extreme length front head arm'

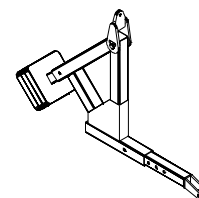
3.4 General safety rules:

- It is prohibited to hoist more than the maximum permitted load.
- When working with a pallet hook, one must check carefully whether the load is well placed on the pallet and whether the load is wrapped around with foil or nylon straps. It is forbidden to move a pallet with loosely stacked material.
- It is prohibited to hoist the load attached to the packaging material.
- It is prohibited to use the Combi-Steker for the transport of persons.
- It is at all times forbidden to be under the load during or after hoisting.
- Control the Combi-Steker regularly on deformation and breakage. If required you should consult an expert mechanic. After reparation the Combi-Steker has to be tested again!
- The Combi-Steker has to be tested with a trial load of two times the working load according to the European Standard NEN-EN 13155
 - after production
 - after intense usage
 - after reparation
 - at least once a year

Consult your manufacturer for information on this procedure.

- Safety is crucial. Therefore careful control is necessary when one knows or supposes that the Combi-Steker has been overloaded.
It is absolutely forbidden to align the parts by means of glowing.

- 3.5** It is forbidden to use the Combi-Steker in any circumstance which is not in accordance with the nature, specifications or instructions laid down in this user guide. When in doubt, always consult Bomecon.



4. Maintenance

For a proper maintenance one should carry out the following activities, on a monthly basis.

- Control hinge pins and bearing bushes on play and replace parts if required.
- Control all pivot points.
- Repair damages in time.
- Control spring clips, tab hole pins and replace if necessary.

The maintenance activities, mentioned in the operation instructions may only be executed by expert mechanics.

In view of safety, maintenance activities may not be executed at the Combi-Steker during hoisting. The Combi-Steker must stand on a fixed basis