

MULTILUG WLL 100 TON user manual

The work environment of the multilug is very versatile. It can be used almost everywhere, as long as there is enough space to move objects and ballast if people in the surrounding of the multilug can stand at a safe distance. The multilug is designed for maximum user friendliness. It's suitable for lifting and moving objects with a safe workload of 100 tons.

The multilug has multiple coupling points. With this function, you can always choose the right lifting plan. In this manual you can read how to use the multilug and the needed safety information before, during and after using the multilug.



Read this manual carefully prior to using the multilug and store and keep this manual for safe future use!





BEFORE USE OF MULTILUG

- Only use themultilug for its described purpose. Lifting different than described in the manual is prohibited.
- The load may never be more than the described load (Workload Limit 100 tonnes).
- The sling angle may never be smaller than the described sling angle ($\beta= 0-30^\circ$ angle).
- The multilug may not be used if the identification plate with the WLL is missing or hardly readable.
- The multilug may not be used if it hasn't been inspected, in accordance with the latest regulations, meaning:
 - Clear statement of WLL (maximum load).
 - Unique identification number.
 - Latest inspection date and report.
- Always check if the lifting gear is assembled correctly and secured in the right place.
- Only original parts (delivered by supplier) are fit for the multilug.
- Only use undamaged and certified lifting gear.

DURING USE OF MULTILUG

- Only lift balanced objects with the center of gravity right under the lifting hook.
- While lifting, make sure to do so with a continuous movement, prevent shocking.
- The multilug may only be operated by someone who is familiar with the machine and the procedures. This person must, if stated by law, have an official personal certificate to operate the machine.
- Legal requirements apply to usage of the crane in which the multilug is hanging.
- Instruction for surroundings:
 - If possible, direct visual contact between the operator of the crane and the people on the ground is important.
 - The communication between the operator of the crane and the people on the ground has to be unobstructed.
 - The surroundings are informed that the crane will be operated at a specific time.
 - The crane operator and the people in its surroundings have made agreements of the usage and the way of communication.
 - The instructions for the crane operator will be given by 1 person OR if the lifting has to be done in a tricky area agree on a signal to use when the operator needs assistance while carrying out the work.

AFTER USE OF MULTILUG

- Store the multilug, the load and other materials safely when it's not in use.



WARNING

Staff who works with multilug systems need to have proficient skills and knowledge about the use and safety of lifting and attaching the load.

The use of multilug need to be in line with EG-Machiny Directive and EG-Work Equipment Directive legislation.

NEVER EXCEED THE MAXIMUM WORKING LOAD LIMIT – FOLLOW INSTRUCTIONS OF SAFE WLL ACCORDING TO TABLE, IN COMBINATION WITH THE DESIRED SLING ANGLE ($\beta= 0-30^\circ$)

Lifting and transporting human beings is strictly forbidden.

Make sure there is a safe distance between the multilug and the load. This is to prevent the ballast touching the multilug as that can lead to a break from the multilug.

Don't try to repair the multilug yourself, this may only be done by the manufacturer.

The multilug may not be used at temperatures lower than -20 or +40 degrees Celsius. The multilug may not be exposed to chemicals like acids and other harmful fumes.

When using the multilug, personal protection gear must be used. These are: Safety shoes, safety helmet, working gloves and, if applicable, other RIE or project specific safety measures.



The multilug WLL 100 tons is in accordance with European Legislation.



DESIGN CRITERIA
EN-13155



ALLOWED OPERATING
TEMPERATURE.



-20 - +100 °C



LGH

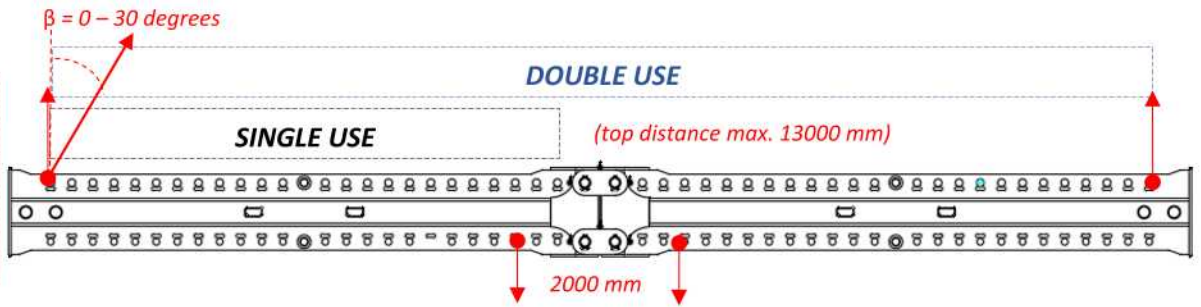
THE LIFTING EXPERTS

Please contact your supplier if you have any questions or remarks.

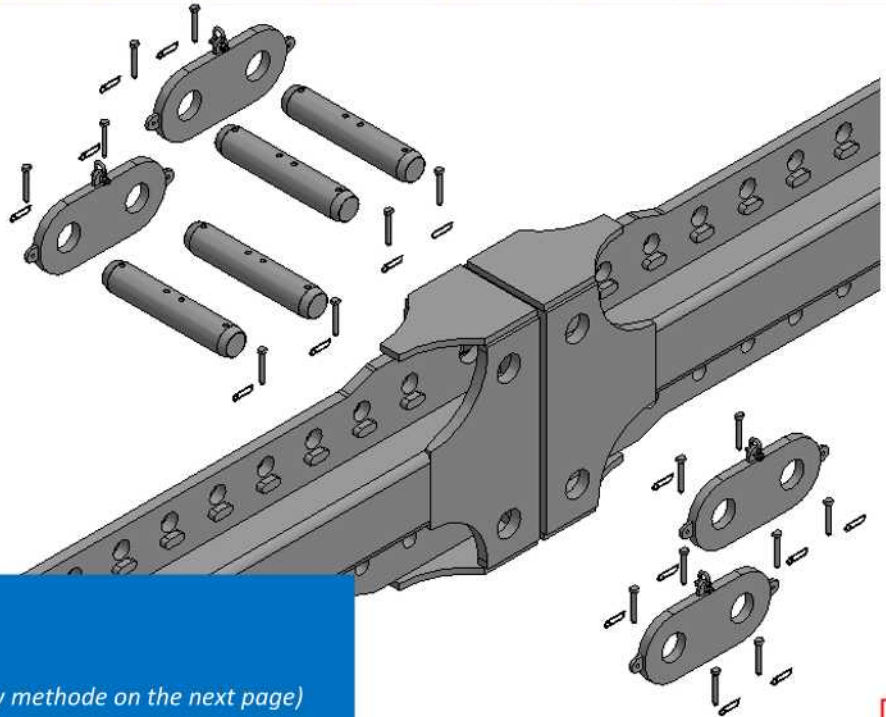


SUITABLE SHACKLES SIZE:
TOP
 GPHMB 125 TON (1x)
 GPHMB 85 TON (24x)

BOTTOM
 GPHMB 125 TON (1x)
 GPHMB 55 TON (24x)



SINGLE USE		In every possible situation, there is a max. capacity of 100 tons.							
DOUBLE USE		<i>See table below.</i>							
TOP DISTANCE	[mm]	2000	2000	2000	2000	2000	2000	2000	2000
BOTTOM DISTANCE	[mm]	1000 > 6000	6500	7000	7500	8000	8500	9000	
WLL	[TON]	100	95	85	80	70	65	60	
TOP DISTANCE	[mm]	2000	2000	2000	2000	2000	2000	2000	2000
BOTTOM DISTANCE	[mm]	9500	10000	10500	11000	11500	12000	12500	13000
WLL	[TON]	60	60	55	50	45	45	40	40



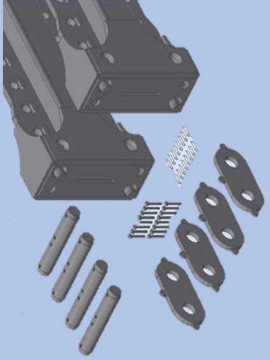
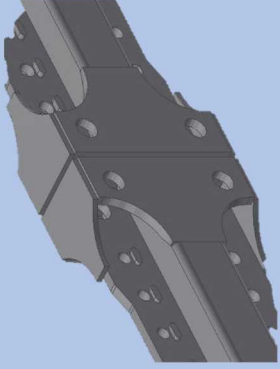
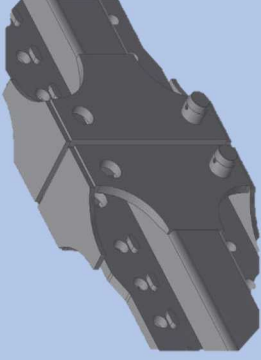
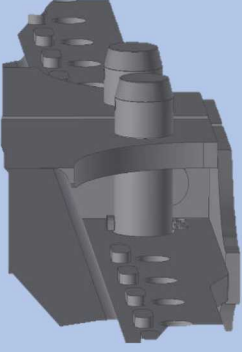
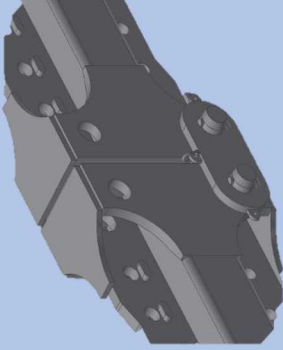
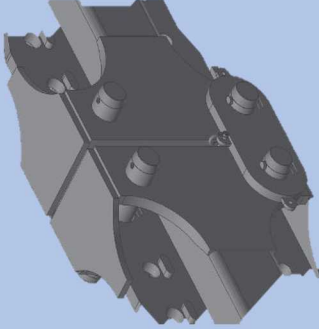
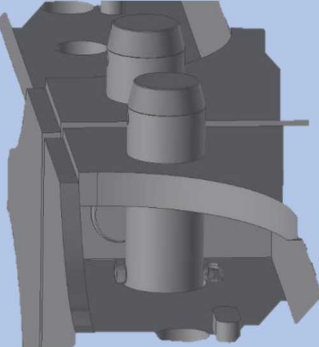
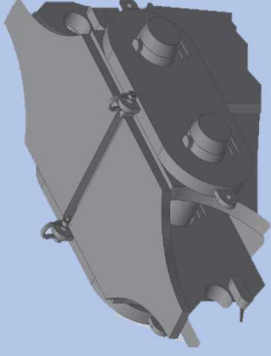
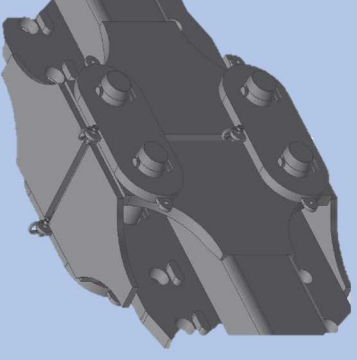
ASSEMBLY

ASSEMBLY (see the step by step assembly methode on the next page)

1. Check, before assembling, if the assemble parts, holes and flanges, are clean (no sand or dirt etc. and no ice in winters).
2. Align both multilugs and slide them in each other using the positioning pins.
3. Place the first 2 assemble pins on the bottom side with the locking pins/clips (on the inside). Then assemble the plates in the bottom part of both multilugs with the locking pins/clips (on the outside). Check before assembling if the two parts are aligned.
4. Repeat step 3 for the upper pins. Check before assembling if the two parts are aligned. (Use a nylon hammer if necessary.)
5. The assembled multilug needs to be inspected by an expert before using it.

Article nr.	Description	Weight [Kg/p]	Quantity [p]
210210-300	Multilug	4300	2
210210-403	Assemble plate	49	4
210210-501	Assemble pin	59,8	4
210210-503	Assemble locking pin	0,4	16
BS009	Lockingclip	0,2	16
ASSEMBLED	2x multilug Incl. parts	9045	1



<p>Step 1</p>  <p>Check, before assembling, if the assembly parts, holes and flanges, are clean (no sand or dirt etc. and no ice in winters).</p>	<p>Step 2</p>  <p>Align both multilugs and slide them in each other using the positioning pins</p>	<p>Step 3.1</p>  <p>Place the first 2 assembly pins on the bottom side</p>	<p>Step 3.2</p>  <p>Place the locking pins and clips on the inside</p>	<p>Step 3.3</p>  <p>Then assembly the plates on the bottom part of both the Multilugs with the locking pins and clips</p>
<p>Step 4.1</p>  <p>Place the 2 upper assembly pins</p>	<p>Step 4.2</p>  <p>Place the locking pins and clips on the inside</p>	<p>Step 4.3</p>  <p>Then assembly the plates on the upper part of both the Multilugs with the locking pins and clips</p>	<p>Step 5</p>  <p>The assembled multilugs needs to be inspected by an experienced employee before using it. The multilugs are now ready for use.</p>	



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Las- en constructie werkplaats
Hijs- en hefwerktuigen
Test en certificeerinrichting



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