

User and maintenance manual

Fixed and adjustable lifting beams



Serial number:

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1. Specification and identification

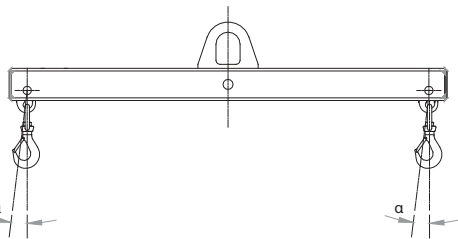
Type of lifting beam:

- ☐ Fixed
- ☐ Adjustable
- ☐ Mono-beam
- ☐ In H
- ☐ Big Bag

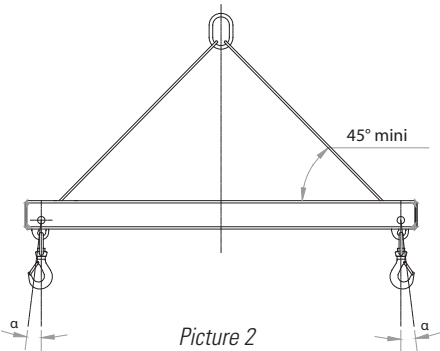
Weight: _____ Kg
Serial number : _____
SWL: _____ Kg
(considered balanced)

Hoisting speed: **16 m/mn**
Angle α maxi: **5° 50'** (see picture 1)

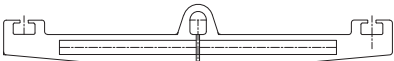
According to norm NF EN 13155+A2



Picture 1



Picture 2



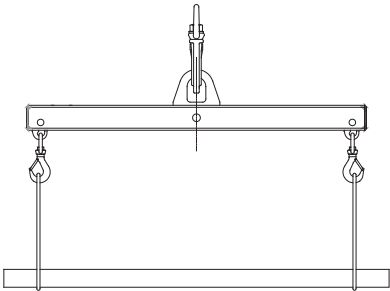
Picture 2 bis

2. Use

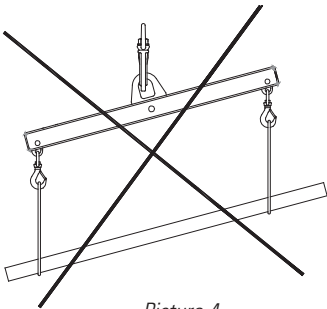
The spreader should be used exclusively in the position shown in pictures 1, 2 and 2bis, meaning the central lifting eye (or sling 2,3 or 4 wires, picture 2) facing up to the hook low.
The load must always be balanced and the spreader must remain in a horizontal position (Pictures 3 and 4).

$$\text{Load at each hook is at most equal to} = \frac{\text{Total load}}{\text{Number of hooks}}$$

In the case of an adjustable spreader beam, the same adjusting distance will be made on either side of the axis or the end of the spreader.



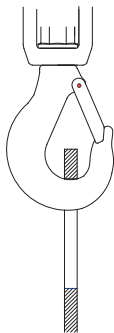
Picture 3
GOOD



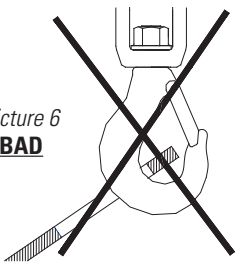
Picture 4
BAD

The spreader should be hung on a hook with a safety latch effective. The eye gripping engaged fully in the hook (see picture 5 and 6).

Picture 5
GOOD



Picture 6
BAD



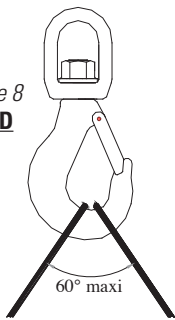
In the case where the hook for grasping the spreader would prove too large compared to the eye gripping, it is possible to use a suitable intermediate attachment. In this case, check its ability to receive the load plus the weight of the spreader..

IT IS FORBIDDEN TO EXCEED THE MAXIMUM WORKING LOAD indicated on the spreader beam.

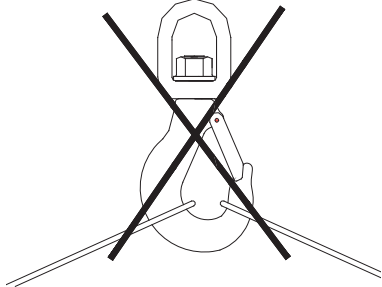
Consider the weight of the spreader (shown on the nameplate) in the calculation of the total load to be lifted, in order not to exceed the capacity of the hoist for handling the set.

Using slings: the sling at the bottom must be realized in the same conditions as shown in picture 5.

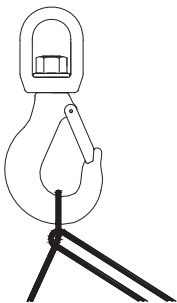
Picture 8
GOOD



Picture 7
BAD



Picture 9
GOOD



IT IS FORBIDDEN TO USE SHARP OBJECTS or likely to damage the hooks.

DO NOT STAND UNDER THE LOADS.

IT IS FORBIDDEN TO CARRY PEOPLE with the spreader beam and IT IS FORBIDDEN TO USE IT FOR ANY OTHER PURPOSE THAN THAT FOR WHICH IT WAS MADE.

3. Maintenance

Before each use:

- Check the correct display of the SWL.
- Check the operation of the safety latches.
- Check the appearance of hooks.
- Ensure full spreader assembly, check if any pins or no retaining nut axis is missing.

Periodically ((at least 2 times a year or more depending on usage):

- Check the structure of the spreader and the handle. No cracks shall appear.
If applicable: **DECLARE IMMEDIATELY THE SPREADER OUT OF SERVICE.**
- Carefully check the condition of hooks. No marks or injury should occur. If necessary, replace hooks same characteristics (preferably ask the manufacturer).
- Check the condition of the axis. No marks or deformation should appear. If necessary, replace them with new axis (preferably ask the manufacturer).
- For your safety, have your spreader checked at least once a year by an approved body.
- Lightly oil the bearings of rotating hooks.

Dismantling axes of hook:

Remove spring pins or locknuts with a pin remover or an appropriate key, then remove the pin and hook.

Reassembly:

Proceed in the reverse order taking care to **REPLACE SYSTEMATICALLY** spring pins, lock nuts and washers each reassembly.

Nuts minimum 8.8 grade.

The spring pins are « *MECANINDUS* » or equivalent.

- **IT IS STRICTLY FORBIDDEN** to make any changes whatsoever to the spreader without notice the manufacturer or an approved body.

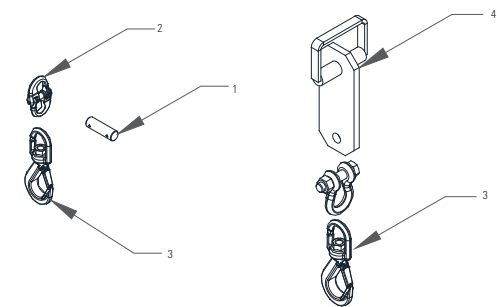
4. Mandatory checks

- Carry out a check when the spreader is put into service by a qualified body in accordance with the order of 1 March 2004.
- Carry out periodic checks in accordance with the order of 1 March 2004.
- A thorough inspection must be carried out to detect any defects caused by impact, cracks, deformation or corrosion.
This inspection must be carried out at least twice a year.

Before each use :

- Carry out a visual inspection and check that the equipment is working properly.
- Check the correct display of the maximum load.
- Check the appearance and functioning of the safety latches.
- Ensure that all the components of the spreader bar are present.
- Any defective part must be removed from service immediately.
- Lightly oil the supports of the rotary hooks.

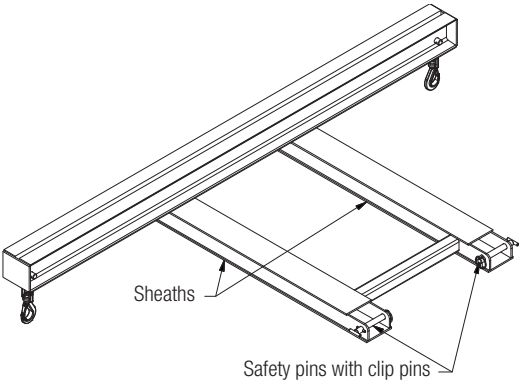
5. Spare parts



N°	Designation
1	Suspension pin hook + pins
2	Coupling
3	Hook
4	Suspension (adjustable lifting beam)

6. Option for forklift truck with forklift truck

The spreader forks must be locked to the forks of your forklift truck by means of the pins and safety chains provided.

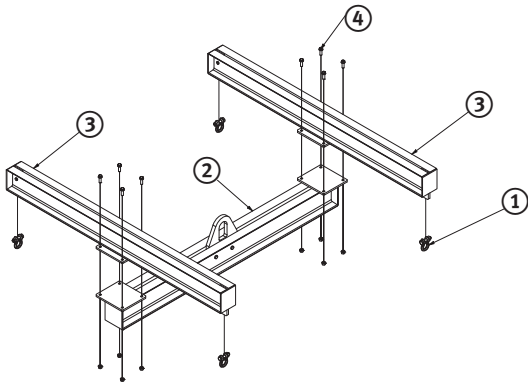


7. Removable H-spreader beam

Mount the secondary beams to the main beam using the screws provided.

Tightening torque

	M10	M12	M14	M16	M18	M20	M24
	2,4 daN.m	4,1 daN.m	6,4 daN.m	9,9 daN.m	14,0 daN.m	20,0 daN.m	34,0 daN.m



N°	Qty	Description	Length
1	4	Shackle / hook as per option	1 mm
2	1	Main beam	2 664 mm
3	2	Secondary beam	2 650 mm
4	8	Screws and bolts	1 mm

