

USER AND MAINTENANCE MANUAL

H-BAR ADJUSTABLE SPREADER BEAMS

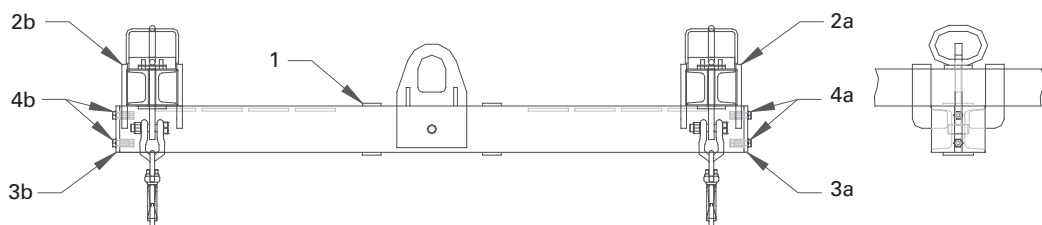


Serial number:

SUMMARY

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INSTRUCTIONS



The lifting beam is delivered in 3 parts:

- The main beam **1**
- The two secondary beams **2a** and **2b**

The main beam is placed on the ground in accordance with the following steps:

- 1.** Dismantle the closure plates **3a** and **3b** located at the ends of the main beam **1** By removing the 4 M10 bolts **4a** and **4b**.
- 2.** Lift the first secondary arm **2a** By means of a suitable lifting means and engage it on the main arm by its end, in the configuration indicated in the diagram.
- 3.** Replace the closing plate **3a** and insert the 2 M10 fixing bolts **4a**.
Bloquer les écrous.
- 4.** Proceed in the same way with the second secondary beam **2b** by presenting it on the other end of the main beam. Replace the closing plate **3b**, insert and firmly tighten the 2 M10 bolts **4b**.

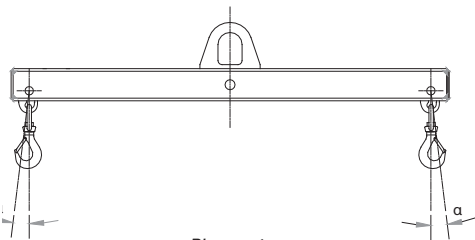
SPECIFICATION AND IDENTIFICATION

H-bar Adjustable spreader beams
SWL : _____ Kg
(considered balanced)

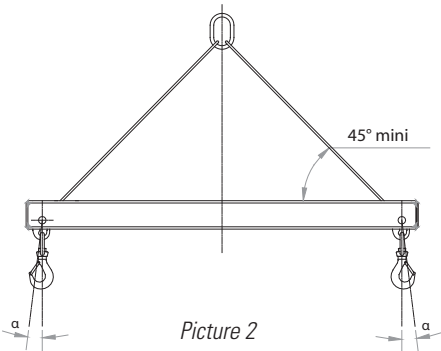
Weight: _____ Kg
Serial number: _____

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

According to norm NF EN 13155+A2



Picture 1



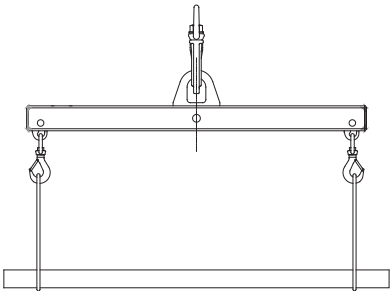
Picture 2

USE

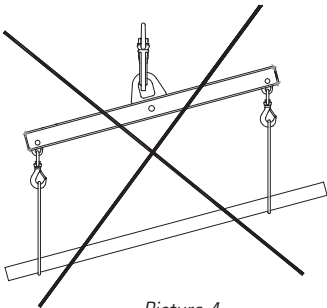
The spreader should be used exclusively in the position shown in pictures 1 and 2, meaning the central lifting eye (or sling 2,3 or 4 wires, picture 2) facing up to the hook low.
The load must always be balanced and the spreader must remain in a horizontal position (Pictures 3 and 4).

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.



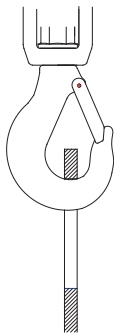
Picture 3
GOOD



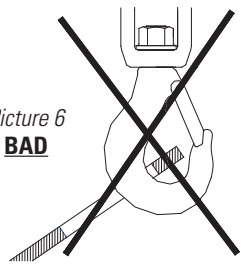
Picture 4
BAD

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



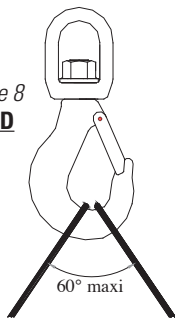
In the case where the hook for grasping the spreader would prove too large compared to the eye gripping, it is possible to use a suitable intermediate attachment. In this case, check its ability to receive the load plus the weight of the spreader..

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

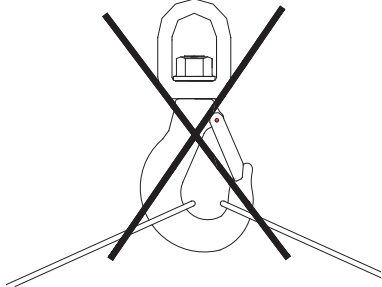
Consider the weight of the spreader (shown on the nameplate) in the calculation of the total load to be lifted, in order not to exceed the capacity of the hoist for handling the set.

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

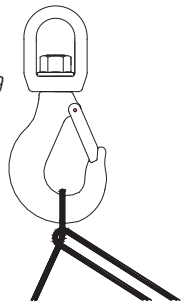
Picture 8
GOOD



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.

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:

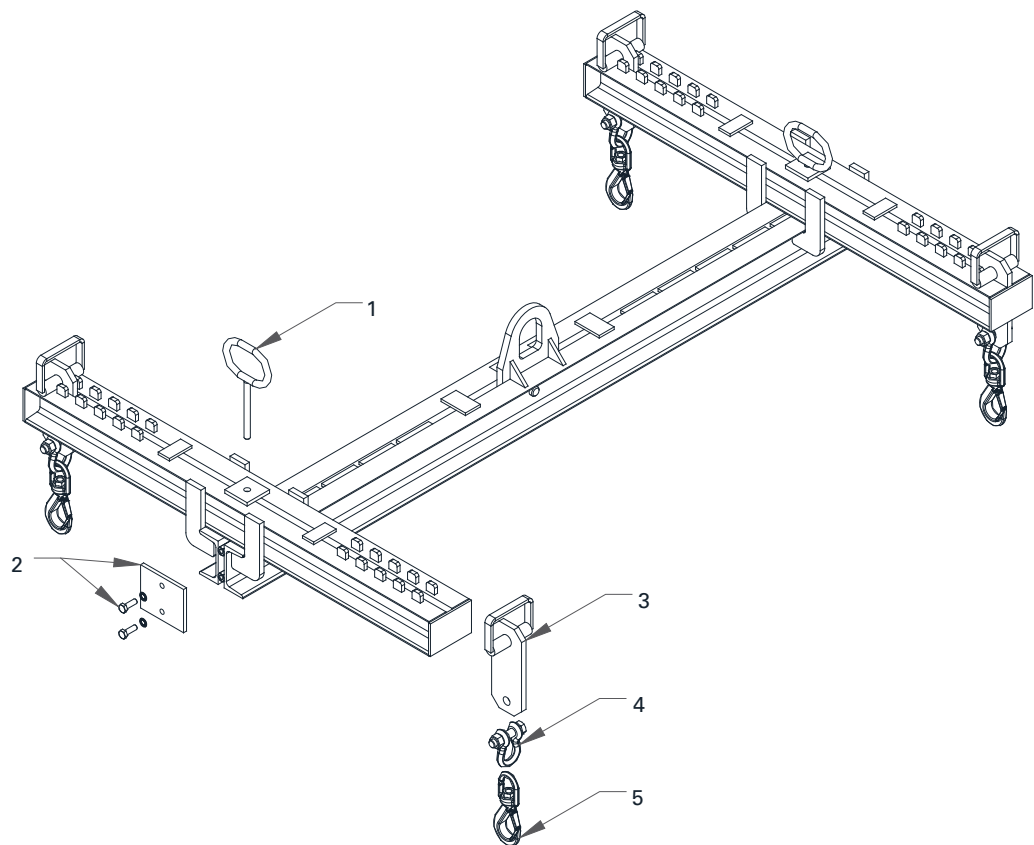
Proceed in the reverse order taking care to **REPLACE SYSTEMATICALLY** spring pins, lock nuts and washers each reassembly.

Nuts minimum 8.8 grade.

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

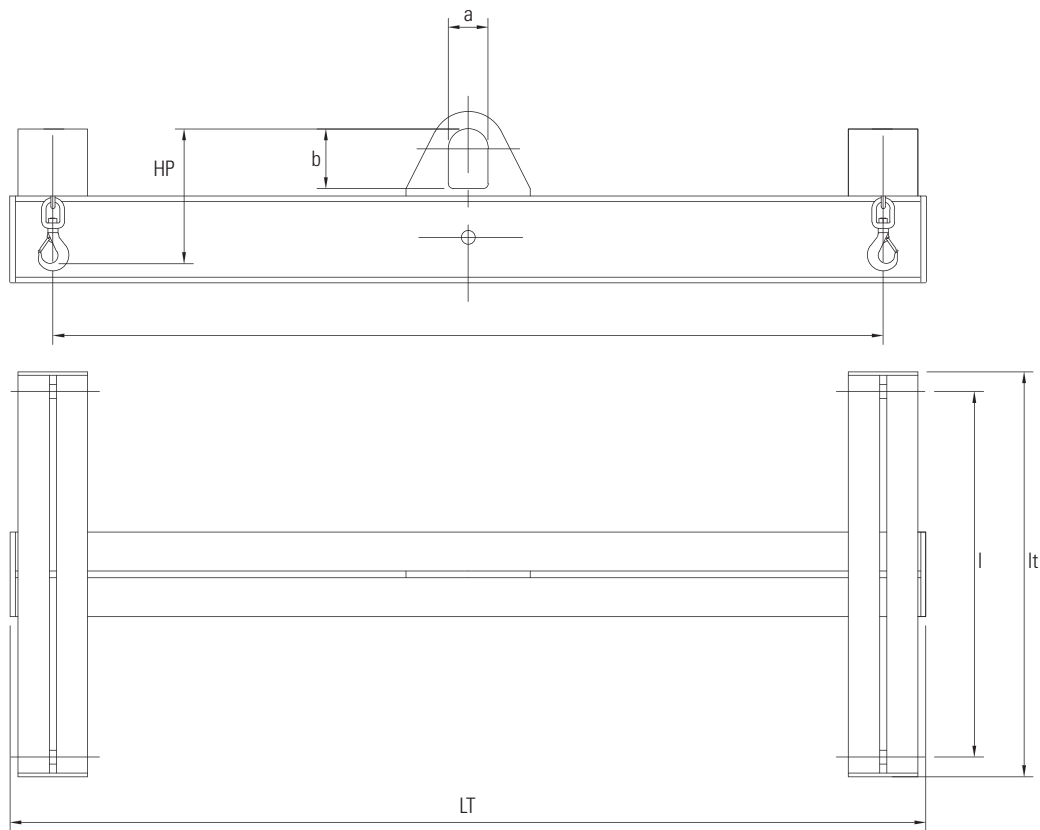
- **IT IS STRICTLY FORBIDDEN** to make any changes whatsoever to the spreader without notice the manufacturer or an approved body.

SPARE PARTS



N°	Désignation
1	Adjustment spindle
2	Sheet closing + screws
3	Suspension
4	Manille
5	Hook

TECHNICAL SPECIFICATIONS



L max	Max. length between hooks
L min	Min. length between hooks
l max	Max. distance between hook
l min	Min. distance between hook
LT	Total length
lt	Total width
HP	Headroom

Max. capacity	Max. length between hooks (L max)	Min. length between hooks (L min)	Max. distance between hook (l max)	Min. distance between hook (l min)	Total length (LT)	Overall dimension (lt)	Headroom (HP)	a	b	Weight
KG	mm	mm	mm	mm	mm	mm	mm	mm	mm	KG
1 000	1 000	500	1 000	500	1 200	1 100				98
	2 000	1 000	1 000	500	2 200	1 100				125
	3 000	1 000	1 000	500	3 200	1 100	290	60	80	162
	3 000	1 000	2 000	1 000	3 200	2 100				197
	4 000	2 000	1 000	500	4 200	1 100				188
	4 000	2 000	2 000	1 000	4 200	2 100				223
2 000	1 000	500	1 000	500	1 200	1 100				105
	2 000	1 000	1 000	500	2 200	1 100				138
	3 000	1 000	1 000	500	3 200	1 100	320	80	120	181
	3 000	1 000	2 000	1 000	3 200	2 100				231
	4 000	2 000	1 000	500	4 200	1 100				236
	4 000	2 000	2 000	1 000	4 200	2 100				286
3 000	1 000	500	1 000	500	1 200	1 100				123
	2 000	1 000	1 000	500	2 200	1 100				161
	3 000	1 000	1 000	500	3 200	1 100	400	100	180	230
	3 000	1 000	2 000	1 000	3 200	2 100				304
	4 000	2 000	1 000	500	4 200	1 100				301
	4 000	2 000	2 000	1 000	4 200	2 100				375
4 000	1 000	500	1 000	500	1 200	1 100				147
	2 000	1 000	1 000	500	2 200	1 100				197
	3 000	1 000	1 000	500	3 200	1 100	400	100	180	275
	3 000	1 000	2 000	1 000	3 200	2 100				341
	4 000	2 000	1 000	500	4 200	1 100				359
	4 000	2 000	2 000	1 000	4 200	2 100				425
5 000	1 000	500	1 000	500	1 200	1 100				155
	2 000	1 000	1 000	500	2 200	1 100				212
	3 000	1 000	1 000	500	3 200	1 100	440	100	180	302
	3 000	1 000	2 000	1 000	3 200	2 100				390
	4 000	2 000	1 000	500	4 200	1 100				392
	4 000	2 000	2 000	1 000	4 200	2 100				480
6 000	1 000	500	1 000	500	1 200	1 100				178
	2 000	1 000	1 000	500	2 200	1 100				249
	3 000	1 000	1 000	500	3 200	1 100	440	100	180	348
	3 000	1 000	2 000	1 000	3 200	2 100				424
	4 000	2 000	1 000	500	4 200	1 100				453
	4 000	2 000	2 000	1 000	4 200	2 100				550
8 000	1 000	500	1 000	500	1 250	1 100				193
	2 000	1 000	1 000	500	2 250	1 100				276
	3 000	1 000	1 000	500	3 250	1 100	480	100	180	388
	3 000	1 000	2 000	1 000	3 250	2 100				487
	4 000	2 000	1 000	500	4 250	1 100				531
	4 000	2 000	2 000	1 000	4 250	2 100				630
10 000	1 000	500	1 000	500	1 250	1 100				219
	2 000	1 000	1 000	500	2 250	1 100				310
	3 000	1 000	1 000	500	3 250	1 100	480	100	180	457
	3 000	1 000	2 000	1 000	3 250	2 100				531
	4 000	2 000	1 000	500	4 250	1 100				549
	4 000	2 000	2 000	1 000	4 250	2 100				673

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

