

ENGLISH



# LIFTING BEAMS



**YOUR TRUSTED  
PARTNER FOR  
HEAVY LIFTING  
SOLUTIONS**

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## LIFTING BEAMS INDEX

page 04  
**SUSPENSION** ELEMENTS

page 05  
**SUSPENSION** ELEMENTS

page 06  
**STANDARD** BEAM

page 07  
**ADJUSTABLE TYPE** BEAM

page 8  
**FIXED H TYPE** BEAM

page 9  
**ADJUSTABLE H TYPE** BEAM

page 10  
**RECTANGULAR** BEAMS

page 11  
**CROSS** BEAMS

page 12  
**SWIVEL** SPREADER

page 13  
**TELESCOPIC** BEAM

page 14  
**OTHER** BEAMS

page 15  
**SPREADER** CONTAINERS

page 16  
**SPECIAL** BEAMS

### Do you need more information?

Do you need more information? Looking for an official dealer or reseller? More load tables? More images or pictures?

### Check out these websites

OX & RUD  
Lifting Solutions  
[ox-rud.com](http://ox-rud.com)

RUD KETTEN  
(partner)  
[rud.com](http://rud.com)

CARGOFLET BLASANT  
(partner)  
[cfblasant.com](http://cfblasant.com)

## LIFTING BEAMS

# DESIGNED FOR EVERY LIFTING NEED

## DESCRIPTION

The lifting beams are elements for the handling of loads. They are placed between the crane and the tool to be manipulated to improve the stability and safety of the movement of the load.

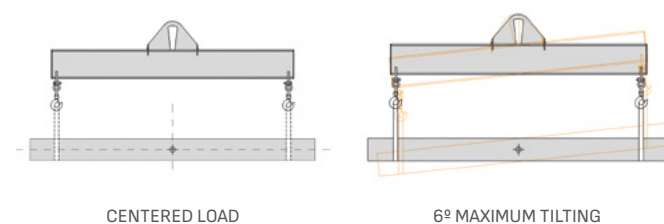
There are as many lifting beam models as our customers have requirements. They are custom designed to solve the lifting of loads of each client, strictly complying with design and manufacturing regulations. They can be fixed, adjustable, in the form of "H", rectangular, rotating, telescopic ... Or a mixture of all. At OX

Worldwide we have designed and manufactured lifting beams to handle loads from 100 kilograms to 180 tonnes.

They are usually manufactured with a beam, structural tube or electrowelded box to which the necessary upper and lower suspension elements are added. The upper elements are those that are attached to the crane (or cranes) and the lower elements are those that are attached to the load. Go to page 68-69 to see all the possibilities.

## GENERAL CHARACTERISTICS

- Designed to withstand dynamic effects at lifting speeds of up to 20m / min.
- Calculation and analysis by finite elements.
- Work with the center of gravity centered on the whole.
- Maximum inclination of the lifting beam: 6° with respect to the horizontal.



## FINISH

The material we have used is: S275 steel for beams and S355 steel for the rest of materials. We can design spreader beams in high elastic limit depending on the customer premises.

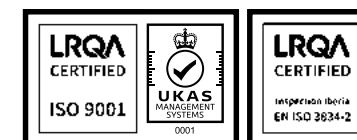
## MATERIAL

The basic finishing of our products consists of Sa 2.5 sandblasting according to ISO 8501-1 standards. One layer of zinc phosphate epoxy primer with a thickness of 50 microns and two layers of polyurethane enamel colour RAL 1028. Other grades on request.

## IN ACCORDANCE WITH

- **UNE-EN ISO 12100: 2012.** Safety of machinery – General principles for design – Risk assessment and risk reduction
- **UNE-EN 13155:2004+A2:2009.** Cranes. Security, static equipment for lifting loads.
- **UNE-EN ISO 3834-2:2006.** Quality requirements for fusion welding of metallic materials – Part 2: Comprehensive quality requirement

**FEM5** building section. Lifting speed 20m/min.



## TOP

The top suspension elements are used to join the lifting beam with the crane that is going to perform the movement. To choose them it is important to know the crane or cranes to be used and to know the center of gravity of the load to be handled.

All these models of top suspensions are with non-load welding and can be placed twice to work with two cranes at the same time.

### RECOMMENDED FOR LOADS WITH NO VARIATIONS ON THE CENTER OF GRAVITY



#### Simple Eye

Fixed top suspension. Economical solution advisable when the lifting beam is always used with the same crane or crane hook model.



#### Master Link

Fixed top suspension that allows to change the master link (for one of the same load or higher) depending on the hook of the crane.



#### Pin

Fixed top suspension with removable pin. It allows to reduce the height and is valid for a wider range of measures of crane hooks.

### RECOMMENDED FOR LOADS WITH POSSIBLE VARIATIONS ON THE CENTER OF GRAVITY



#### Master link with two legs

Fixed top suspension. Economical solution advisable when the lifting beam is always used with the same crane or crane hook model.



#### Multi position plate for master links

Fixed top suspension that allows to change the master link (for one of the same load or higher) depending on the hook of the crane.



#### Top multi-eye sheet

Fixed top suspension with removable pin. It allows to reduce the height and is valid for a wider range of measures of crane hooks.

## BOTTOM

All these models of bottom suspensions can be placed twice or combine some of them to work with the load as stable as possible

Other models, please ask us.

### WITH WELDING SUPPORTING THE LOAD



#### Eye in the end

Fixed bottom suspension. Two plates can be placed with one or more holes for shackles at the ends.



#### Double hook in the end

Fixed bottom suspension with hooks on the lifting beam end plate. Made to measure with security closure.



#### Weldable hook in the end

Fixed bottom suspension with welded hooks placed at the ends



#### Weldable hook in the end

Fixed bottom suspension with welded hooks placed at the ends

### WITH WELDING NOT SUPPORTING THE LOAD



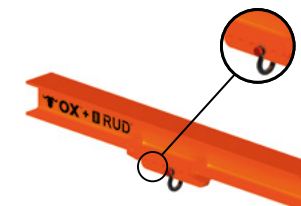
#### Fixed eye

Fixed bottom suspension. They can be placed at the ends or throughout the length with one or more shackle holes.



#### Suspension Hook

Fixed bottom suspension with market suspensions coupled to our lifting beam.



#### Multi-eye sheet

Fixed bottom suspension that allows regulation. You can change the position shackle to the desired length.

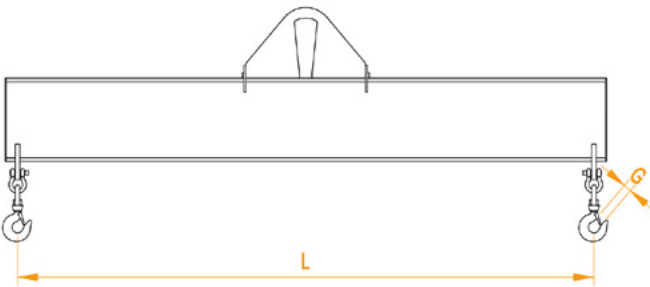


#### Bottom movable fixation

Adjustable bottom suspension. The plate is moved with the incorporated shackle, without the need to disassemble any part.



The fixed lifting beams are composed of a tube or beam where the suspension elements are welded. Although the elements are fixed, you can choose upper or lower suspensions that do allow regulation, such as the multi-drill plate, to be able to change the position shackle.



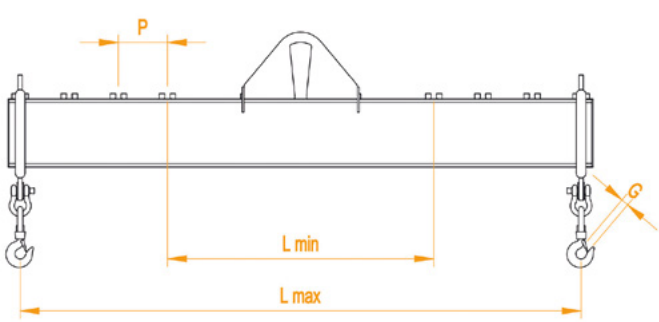
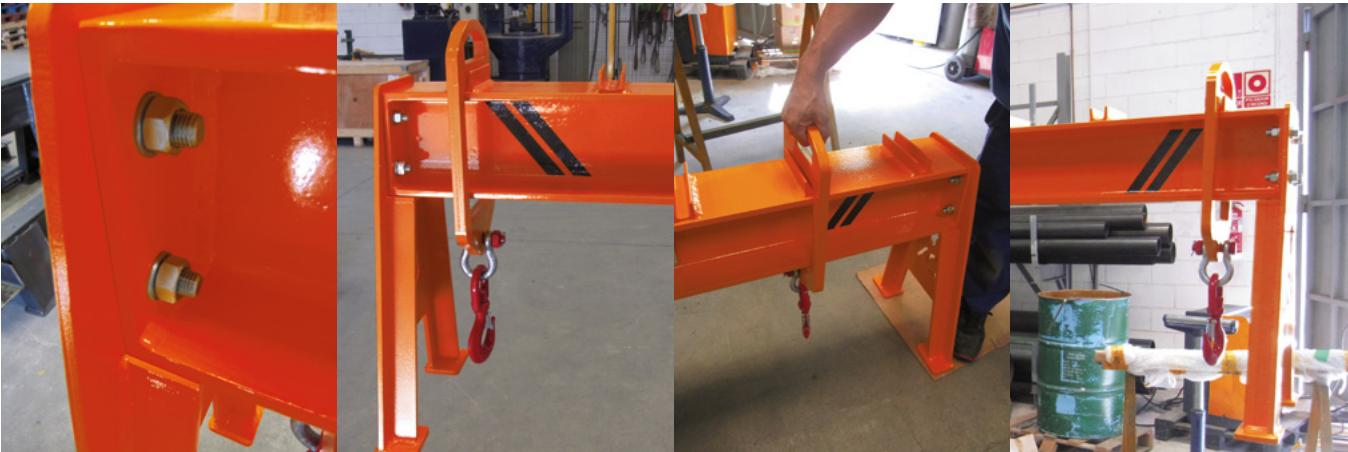
The most common configuration of this lifting beam is a simple top eye fixed at the center and two bottom eyes fixed at the ends. With this option, little height is lost and all the suspension elements will be without the welding supporting any loads.

| CODE          | TYPE     | WLL (t) | DIMENSIONS (mm) |    | WEIGHT (kg) |
|---------------|----------|---------|-----------------|----|-------------|
|               |          |         | L               | G  |             |
| 803LBA0001020 | LBA001-2 | 1       | 2000            | 25 | 85          |
| 803LBA0001030 | LBA001-3 | 1       | 3000            | 25 | 140         |
| 803LBA0001040 | LBA001-4 | 1       | 4000            | 25 | 215         |
| 803LBA0001050 | LBA001-5 | 1       | 5000            | 25 | 310         |
| 803LBA0003020 | LBA003-2 | 3       | 2000            | 32 | 100         |
| 803LBA0003030 | LBA003-3 | 3       | 3000            | 32 | 170         |
| 803LBA0003040 | LBA003-4 | 3       | 4000            | 32 | 295         |
| 803LBA0003050 | LBA003-5 | 3       | 5000            | 32 | 415         |
| 803LBA0003060 | LBA003-6 | 3       | 6000            | 32 | 565         |
| 803LBA0005020 | LBA005-2 | 5       | 2000            | 38 | 155         |
| 803LBA0005030 | LBA005-3 | 5       | 3000            | 38 | 245         |
| 803LBA0005040 | LBA005-4 | 5       | 4000            | 38 | 355         |
| 803LBA0005050 | LBA005-5 | 5       | 5000            | 38 | 545         |
| 803LBA0005060 | LBA005-6 | 5       | 6000            | 38 | 710         |
| 803LBA0008020 | LBA008-2 | 8       | 2000            | 48 | 160         |
| 803LBA0008030 | LBA008-3 | 8       | 3000            | 48 | 290         |
| 803LBA0008040 | LBA008-4 | 8       | 4000            | 48 | 455         |

| CODE          | TYPE     | WLL (t) | DIMENSIONS (mm) |    | WEIGHT (kg) |
|---------------|----------|---------|-----------------|----|-------------|
|               |          |         | L               | G  |             |
| 803LBA0008050 | LBA008-5 | 8       | 5000            | 48 | 555         |
| 803LBA0008060 | LBA008-6 | 8       | 6000            | 48 | 870         |
| 803LBA0010020 | LBA010-2 | 10      | 2000            | 58 | 190         |
| 803LBA0010030 | LBA010-3 | 10      | 3000            | 58 | 330         |
| 803LBA0010040 | LBA010-4 | 10      | 4000            | 58 | 460         |
| 803LBA0010050 | LBA010-5 | 10      | 5000            | 58 | 740         |
| 803LBA0010060 | LBA010-6 | 10      | 6000            | 58 | 920         |
| 803LBA0015020 | LBA015-2 | 15      | 2000            | 67 | 220         |
| 803LBA0015030 | LBA015-3 | 15      | 3000            | 67 | 370         |
| 803LBA0015040 | LBA015-4 | 15      | 4000            | 67 | 580         |
| 803LBA0015050 | LBA015-5 | 15      | 5000            | 67 | 800         |
| 803LBA0015060 | LBA015-6 | 15      | 6000            | 67 | 1070        |
| 803LBA0020020 | LBA020-2 | 20      | 2000            | 81 | 300         |
| 803LBA0020030 | LBA020-3 | 20      | 3000            | 81 | 415         |
| 803LBA0020040 | LBA020-4 | 20      | 4000            | 81 | 630         |
| 803LBA0020050 | LBA020-5 | 20      | 5000            | 81 | 915         |
| 803LBA0020060 | LBA020-6 | 20      | 6000            | 81 | 1185        |

The adjustable lifting beams are usually formed by a single beam structure to which are incorporated the displaceable elements that allow the regulation of the

useful length. When a length change is made, it must be checked that the center of gravity is centered with respect to the top eye before performing the lifting.

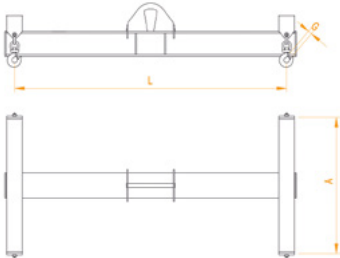
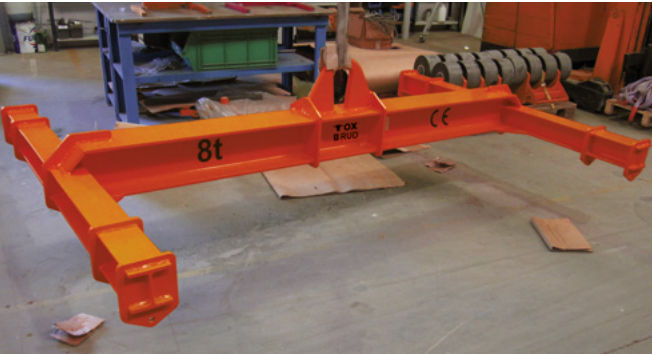


The most frequent design of the adjustable lifting beam is a simple top eye fixed at the center and two bottom eyes movable at the ends. With this option, little height is lost and all the suspension elements can be without the welding supporting any loads.

| CODE          | TYPE     | WLL (t) | DIMENSIONS (mm) |       |     |    | WEIGHT (kg) |
|---------------|----------|---------|-----------------|-------|-----|----|-------------|
|               |          |         | L max           | L min | G   | G  |             |
| 803LBB0001020 | LBB001-2 | 1       | 2000            | 1000  | 250 | 25 | 85          |
| 803LBB0001030 | LBB001-3 | 1       | 3000            | 1500  | 250 | 25 | 140         |
| 803LBB0001040 | LBB001-4 | 1       | 4000            | 2000  | 250 | 25 | 215         |
| 803LBB0001050 | LBB001-5 | 1       | 5000            | 2500  | 250 | 25 | 310         |
| 803LBB0003020 | LBB003-2 | 3       | 2000            | 1000  | 250 | 29 | 100         |
| 803LBB0003030 | LBB003-3 | 3       | 3000            | 1500  | 250 | 29 | 170         |
| 803LBB0003040 | LBB003-4 | 3       | 4000            | 2000  | 250 | 29 | 295         |
| 803LBB0003050 | LBB003-5 | 3       | 5000            | 2500  | 250 | 29 | 415         |
| 803LBB0003060 | LBB003-6 | 3       | 6000            | 3000  | 250 | 29 | 565         |
| 803LBB0005020 | LBB005-2 | 5       | 2000            | 1000  | 250 | 38 | 155         |
| 803LBB0005030 | LBB005-3 | 5       | 3000            | 1500  | 250 | 38 | 245         |
| 803LBB0005040 | LBB005-4 | 5       | 4000            | 2000  | 250 | 38 | 355         |
| 803LBB0005050 | LBB005-5 | 5       | 5000            | 2500  | 250 | 38 | 545         |
| 803LBB0005060 | LBB005-6 | 5       | 6000            | 3000  | 250 | 38 | 710         |
| 803LBB0008020 | LBB008-2 | 8       | 2000            | 1000  | 250 | 48 | 160         |
| 803LBB0008030 | LBB008-3 | 8       | 3000            | 1500  | 250 | 48 | 290         |
| 803LBB0008040 | LBB008-4 | 8       | 4000            | 2000  | 250 | 48 | 455         |

LIFTING BEAMS  
**FIXED H TYPE**  
BEAM

Fixed “H” lifting beams are H-shaped structures. They consist of a beam or central tube where one or more top suspension elements and two beams are welded at the ends, where four or more lower suspension elements are placed. Usually the “H” beams are welded to the central structure. If necessary, the lifting beam can also be designed so it can be demountable to save space in transport and storage.



The most common suspension elements for this model are four fixed bottom eyes on the ends of the beams and a single top eye fixed at the center. With this option, little height is lost and all the suspension elements will be without the welding supporting any loads.

| CODE          | TYPE     | WLL (t) | DIMENSIONS (mm) |      |    |
|---------------|----------|---------|-----------------|------|----|
|               |          |         | L               | A    | G  |
| 803LBA0001020 | LBA001-2 | 1       | 2000            | 1000 | 25 |
| 803LBA0001030 | LBA001-3 | 1       | 3000            | 2000 | 25 |
| 803LBA0001040 | LBA001-4 | 1       | 4000            | 2000 | 25 |
| 803LBA0001050 | LBA001-5 | 1       | 5000            | 3000 | 25 |
| 803LBA0003020 | LBA003-2 | 3       | 2000            | 1000 | 27 |
| 803LBA0003030 | LBA003-3 | 3       | 3000            | 2000 | 27 |
| 803LBA0003040 | LBA003-4 | 3       | 4000            | 2000 | 27 |
| 803LBA0003050 | LBA003-5 | 3       | 5000            | 3000 | 27 |
| 803LBA0003060 | LBA003-6 | 3       | 6000            | 3000 | 27 |
| 803LBA0005020 | LBA005-2 | 5       | 2000            | 1000 | 29 |
| 803LBA0005030 | LBA005-3 | 5       | 3000            | 2000 | 29 |
| 803LBA0005040 | LBA005-4 | 5       | 4000            | 2000 | 29 |
| 803LBA0005050 | LBA005-5 | 5       | 5000            | 3000 | 29 |
| 803LBA0005060 | LBA005-6 | 5       | 6000            | 3000 | 29 |
| 803LBA0008020 | LBA008-2 | 8       | 2000            | 1000 | 32 |
| 803LBA0008030 | LBA008-3 | 8       | 3000            | 2000 | 32 |
| 803LBA0008040 | LBA008-4 | 8       | 4000            | 2000 | 32 |

| CODE          | TYPE     | WLL (t) | DIMENSIONS (mm) |      |    |
|---------------|----------|---------|-----------------|------|----|
|               |          |         | L               | A    | G  |
| 803LBC0008050 | LBC008-5 | 8       | 5000            | 3000 | 32 |
| 803LBC0008060 | LBC008-6 | 8       | 6000            | 3000 | 32 |
| 803LBC0010020 | LBC010-2 | 10      | 2000            | 1000 | 38 |
| 803LBC0010030 | LBC010-3 | 10      | 3000            | 2000 | 38 |
| 803LBC0010040 | LBC010-4 | 10      | 4000            | 2000 | 38 |
| 803LBC0010050 | LBC010-5 | 10      | 5000            | 3000 | 38 |
| 803LBC0010060 | LBC010-6 | 10      | 6000            | 3000 | 38 |
| 803LBC0015020 | LBC015-2 | 15      | 2000            | 1000 | 48 |
| 803LBC0015030 | LBC015-3 | 15      | 3000            | 2000 | 48 |
| 803LBC0015040 | LBC015-4 | 15      | 4000            | 2000 | 48 |
| 803LBC0015050 | LBC015-5 | 15      | 5000            | 3000 | 48 |
| 803LBC0015060 | LBC015-6 | 15      | 6000            | 3000 | 48 |
| 803LBC0020020 | LBC020-2 | 20      | 2000            | 1000 | 58 |
| 803LBC0020030 | LBC020-3 | 20      | 3000            | 2000 | 58 |
| 803LBC0020040 | LBC020-4 | 20      | 4000            | 2000 | 58 |
| 803LBC0020050 | LBC020-5 | 20      | 5000            | 3000 | 58 |
| 803LBC0020050 | LBC020-6 | 20      | 6000            | 3000 | 58 |

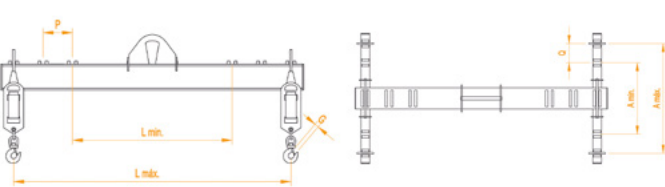
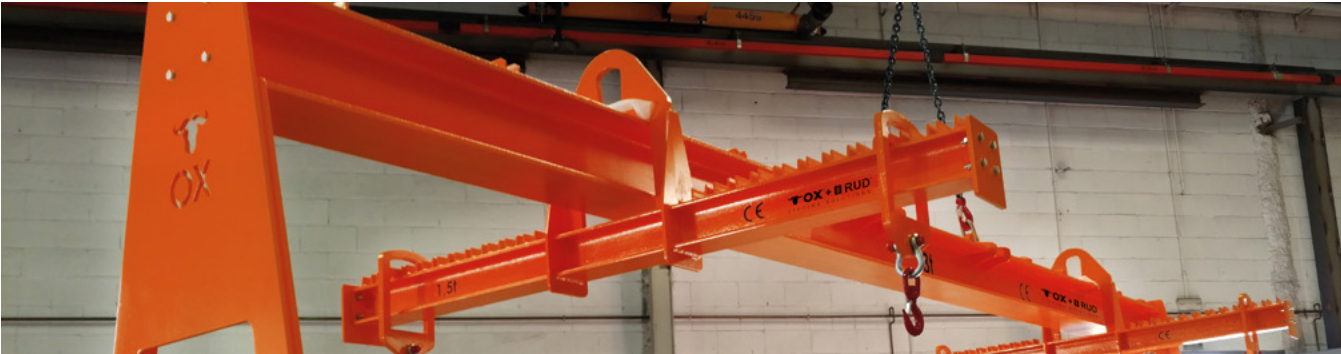
LIFTING BEAMS  
**ADJUSTABLE H TYPE**  
BEAM

The adjustable “H” lifting beams are H-shaped structures with movable suspension elements. The regulation can go in one direction (transverse or longitudinal) or in two directions (transverse and longitudinal).

In the event that the lifting beam is only transversely adjustable, the transverse beams are welded to the

central structure and the bottom adjustable suspension elements are placed.

If the lifting beam is adjustable longitudinally, it is the transverse beams themselves that move with a plate similar to the adjustable movable attachment. In this case, the lifting beam is removable and less bulky to transport and / or store



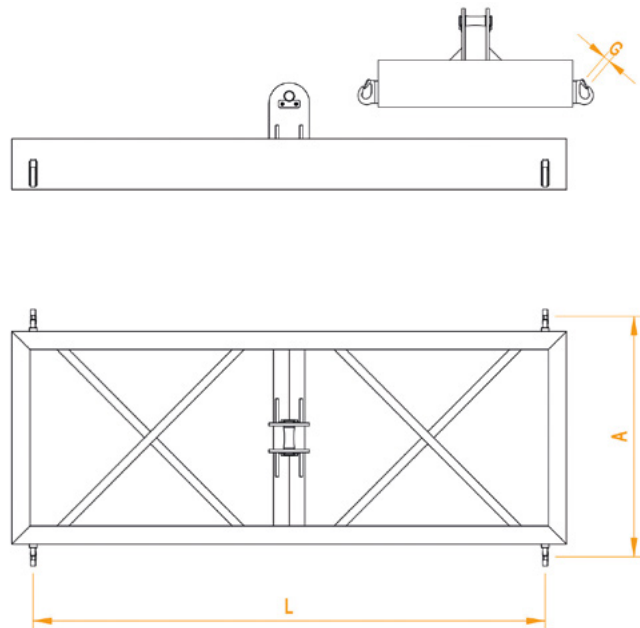
In order for the lifting beam to be adjustable in both transverse and longitudinal directions, a combination must be made between the two cases.

| CODE          | TYPE     | WLL (t) | DIMENSIONS (mm) |       |     |       |       |     |    |
|---------------|----------|---------|-----------------|-------|-----|-------|-------|-----|----|
|               |          |         | L max           | L min | P   | A max | A min | Q   | G  |
| 803LBC0008050 | LBC008-5 | 8       | 2000            | 1000  | 250 | 1000  | 500   | 250 | 25 |
| 803LBC0008060 | LBC008-6 | 8       | 3000            | 1500  | 250 | 2000  | 1000  | 250 | 25 |
| 803LBC0010020 | LBC010-2 | 10      | 4000            | 2000  | 250 | 2000  | 1000  | 250 | 25 |
| 803LBC0010030 | LBC010-3 | 10      | 5000            | 2500  | 250 | 3000  | 1500  | 250 | 25 |
| 803LBC0010040 | LBC010-4 | 10      | 2000            | 1000  | 250 | 1000  | 500   | 250 | 27 |
| 803LBC0010050 | LBC010-5 | 10      | 3000            | 1500  | 250 | 2000  | 1000  | 250 | 27 |
| 803LBC0010060 | LBC010-6 | 10      | 4000            | 2000  | 250 | 2000  | 1000  | 250 | 27 |
| 803LBC0015020 | LBC015-2 | 15      | 5000            | 2500  | 250 | 3000  | 1500  | 250 | 27 |
| 803LBC0015030 | LBC015-3 | 15      | 6000            | 3000  | 250 | 3000  | 1500  | 250 | 27 |
| 803LBC0015040 | LBC015-4 | 15      | 2000            | 1000  | 250 | 1000  | 500   | 250 | 29 |
| 803LBC0015050 | LBC015-5 | 15      | 3000            | 1500  | 250 | 2000  | 1000  | 250 | 29 |
| 803LBC0015060 | LBC015-6 | 15      | 4000            | 2000  | 250 | 2000  | 1000  | 250 | 29 |
| 803LBC0020020 | LBC020-2 | 20      | 5000            | 2500  | 250 | 3000  | 1500  | 250 | 29 |
| 803LBC0020030 | LBC020-3 | 20      | 6000            | 3000  | 250 | 3000  | 1500  | 250 | 29 |
| 803LBC0020040 | LBC020-4 | 20      | 2000            | 1000  | 250 | 1000  | 500   | 250 | 32 |
| 803LBC0020050 | LBC020-5 | 20      | 3000            | 1500  | 250 | 2000  | 1000  | 250 | 32 |
| 803LBC0020050 | LBC020-6 | 20      | 4000            | 2000  | 250 | 2000  | 1000  | 250 | 32 |

| CODE          | TYPE     | WLL (t) | DIMENSIONS (mm) |       |     |       |       |     |    |
|---------------|----------|---------|-----------------|-------|-----|-------|-------|-----|----|
|               |          |         | L max           | L min | P   | A max | A min | Q   | G  |
| 803LBD0008050 | LBD008-5 | 8       | 5000            | 2500  | 250 | 3000  | 1500  | 250 | 32 |
| 803LBD0008060 | LBD008-6 | 8       | 6000            | 3000  | 250 | 3000  | 1500  | 250 | 32 |
| 803LBD0010020 | LBD010-2 | 10      | 2000            | 1000  | 250 | 1000  | 500   | 250 | 38 |
| 803LBD0010030 | LBD010-3 | 10      | 3000            | 1500  | 250 | 2000  | 1000  | 250 | 38 |
| 803LBD0010040 | LBD010-4 | 10      | 4000            | 2000  | 250 | 2000  | 1000  | 250 | 38 |
| 803LBD0010050 | LBD010-5 | 10      | 5000            | 2500  | 250 | 3000  | 1500  | 250 | 38 |
| 803LBD0010060 | LBD010-6 | 10      | 6000            | 3000  | 250 | 3000  | 1500  | 250 | 38 |
| 803LBD0015020 | LBD015-2 | 15      | 2000            | 1000  | 250 | 1000  | 500   | 250 | 48 |
| 803LBD0015030 | LBD015-3 | 15      | 3000            | 1500  | 250 | 2000  | 1000  | 250 | 48 |
| 803LBD0015040 | LBD015-4 | 15      | 4000            | 2000  | 250 | 2000  | 1000  | 250 | 48 |
| 803LBD0015050 | LBD015-5 | 15      | 5000            | 2500  | 250 | 3000  | 1500  | 250 | 48 |
| 803LBD0015060 | LBD015-6 | 15      | 6000            | 3000  | 250 | 3000  | 1500  | 250 | 48 |
| 803LBD0020020 | LBD020-2 | 20      | 2000            | 1000  | 250 | 1000  | 500   | 250 | 58 |
| 803LBD0020030 | LBD020-3 | 20      | 3000            | 1500  | 250 | 2000  | 1000  | 250 | 58 |
| 803LBD0020040 | LBD020-4 | 20      | 4000            | 2000  | 250 | 2000  | 1000  | 250 | 58 |
| 803LBD0020050 | LBD020-5 | 20      | 5000            | 2500  | 250 | 3000  | 1500  | 250 | 58 |
| 803LBD0020060 | LBD020-6 | 20      | 6000            | 3000  | 250 | 3000  | 1500  | 250 | 58 |



The rectangular lifting beams are designed to have at least four suspension elements; but it is advisable to choose this model only when more lifting points are needed, since they are heavier than the “H” lifting beams. The advantage of rectangular lifting beams is that they have four sides to weld the suspension elements.



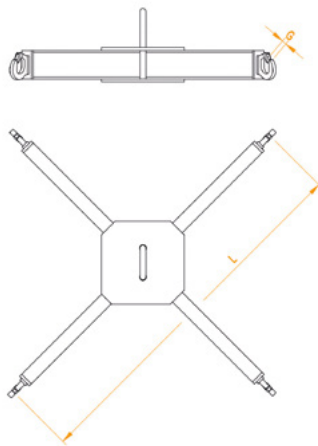
| CODE          | TYPE     | WLL (t) | DIMENSIONS (mm) |      |    | WEIGHT (kg) |
|---------------|----------|---------|-----------------|------|----|-------------|
|               |          |         | L               | A    | C  |             |
| 803LBE0001020 | LBE001-2 | 1       | 2000            | 1000 | 22 | 25          |
| 803LBE0001030 | LBE001-3 | 1       | 3000            | 2000 | 22 | 25          |
| 803LBE0001040 | LBE001-4 | 1       | 4000            | 2000 | 22 | 25          |
| 803LBE0001050 | LBE001-5 | 1       | 5000            | 3000 | 22 | 25          |
| 803LBE0003020 | LBE003-2 | 3       | 2000            | 1000 | 22 | 25          |
| 803LBE0003030 | LBE003-3 | 3       | 3000            | 2000 | 22 | 25          |
| 803LBE0003040 | LBE003-4 | 3       | 4000            | 2000 | 22 | 25          |
| 803LBE0003050 | LBE003-5 | 3       | 5000            | 3000 | 22 | 25          |
| 803LBE0003060 | LBE003-6 | 3       | 6000            | 3000 | 22 | 25          |
| 803LBE0005020 | LBE005-2 | 5       | 2000            | 1000 | 22 | 26,5        |
| 803LBE0005030 | LBE005-3 | 5       | 3000            | 2000 | 22 | 26,5        |
| 803LBE0005040 | LBE005-4 | 5       | 4000            | 2000 | 22 | 26,5        |
| 803LBE0005050 | LBE005-5 | 5       | 5000            | 3000 | 22 | 26,5        |
| 803LBE0005060 | LBE005-6 | 5       | 6000            | 3000 | 22 | 26,5        |
| 803LBE0008020 | LBE008-2 | 8       | 2000            | 1000 | 22 | 26,5        |
| 803LBE0008030 | LBE008-3 | 8       | 3000            | 2000 | 22 | 26,5        |
| 803LBE0008040 | LBE008-4 | 8       | 4000            | 2000 | 22 | 26,5        |

The most common configuration of this model is a rectangular tube structure with weldable lifting points on the sides or fixed suspension elements at points where movement requires it.

| CODE          | TYPE     | WLL (t) | DIMENSIONS (mm) |      |    | WEIGHT (kg) |
|---------------|----------|---------|-----------------|------|----|-------------|
|               |          |         | L               | A    | C  |             |
| 803LBE0008050 | LBE008-5 | 8       | 5000            | 3000 | 22 | 26,5        |
| 803LBE0008060 | LBE008-6 | 8       | 6000            | 3000 | 22 | 26,5        |
| 803LBE0010020 | LBE010-2 | 10      | 2000            | 1000 | 22 | 29          |
| 803LBE0010030 | LBE010-3 | 10      | 3000            | 2000 | 22 | 29          |
| 803LBE0010040 | LBE010-4 | 10      | 4000            | 2000 | 22 | 29          |
| 803LBE0010050 | LBE010-5 | 10      | 5000            | 3000 | 22 | 29          |
| 803LBE0010060 | LBE010-6 | 10      | 6000            | 3000 | 22 | 29          |
| 803LBE0015020 | LBE015-2 | 15      | 2000            | 1000 | 34 | 34,5        |
| 803LBE0015030 | LBE015-3 | 15      | 3000            | 2000 | 34 | 34,5        |
| 803LBE0015040 | LBE015-4 | 15      | 4000            | 2000 | 34 | 34,5        |
| 803LBE0015050 | LBE015-5 | 15      | 5000            | 3000 | 34 | 34,5        |
| 803LBE0015060 | LBE015-6 | 15      | 6000            | 3000 | 34 | 34,5        |
| 803LBE0020020 | LBE020-2 | 20      | 2000            | 1000 | 37 | 34,5        |
| 803LBE0020030 | LBE020-3 | 20      | 3000            | 2000 | 37 | 34,5        |
| 803LBE0020040 | LBE020-4 | 20      | 4000            | 2000 | 37 | 34,5        |
| 803LBE0020050 | LBE020-5 | 20      | 5000            | 3000 | 37 | 34,5        |
| 803LBE0020060 | LBE020-6 | 20      | 6000            | 3000 | 37 | 34,5        |

The cross-shaped lifting beams are the most suitable for handling “big-bags”.

The most recurrent and economical design of this model is a welded cross-shaped structure, with all sides equal, with a single top eye in the center and four hooks at the ends. All suspension elements are fixed.



Multiple beams / Minimum height loss

| CODE          | TYPE      | WLL (t) | DIMENSIONS  |    |
|---------------|-----------|---------|-------------|----|
|               |           |         | L x L (mm)  | G  |
| 803LBF0001080 | LBF001-09 | 1       | 800 x 800   | 25 |
| 803LBF0001010 | LBF001-10 | 1       | 1000 x 1000 | 25 |
| 803LBF0001015 | LBF001-15 | 1       | 1500 x 1500 | 25 |
| 803LBF0015008 | LBF015-09 | 1,5     | 800 x 800   | 25 |
| 803LBF0015010 | LBF015-10 | 1,5     | 1000 x 1000 | 25 |
| 803LBF0015015 | LBF015-15 | 1,5     | 1500 x 1500 | 25 |
| 803LBF0020008 | LBF020-09 | 2       | 800 x 800   | 25 |
| 803LBF0020010 | LBF020-10 | 2       | 1000 x 1000 | 25 |
| 803LBF0020015 | LBF020-15 | 2       | 1500 x 1500 | 25 |



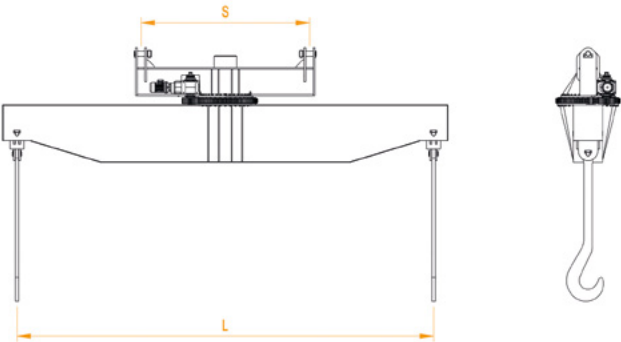
\*Other dimensions can be manufactured on order



At OX Worldwide we have developed a new design of cross beam with super reduced height to solve the problems of some of our customers. It is a lifting beam with a welded structure in the shape of a cross, with all sides equal, with a simple top eye in the center, with the hooks screwed in the upper area of the structure, being able to be placed in the outermost area or more internal structure to regulate the height of the “big-bag”.

The rotating lifting beams can be, in turn, fixed, adjustable, telescopic, simple or even H-shaped.

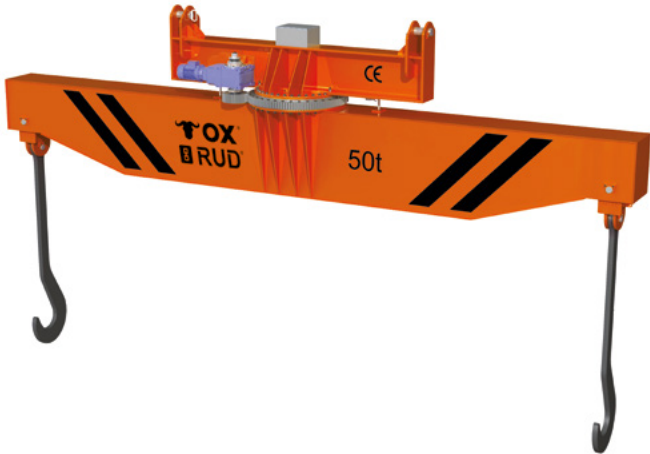
They consist of two welded structures: a tube or beam with the top suspension elements and another tube or beam with the elements that will grab the load. Between both parts a rotating crown is incorporated. The turn is motorized and you can include limit switches with predefined positions or infinite turns, weighing, load sensors, etc.



- Multiple beams and/or box beam.  
\* Other dimensions can be manufactured on order.

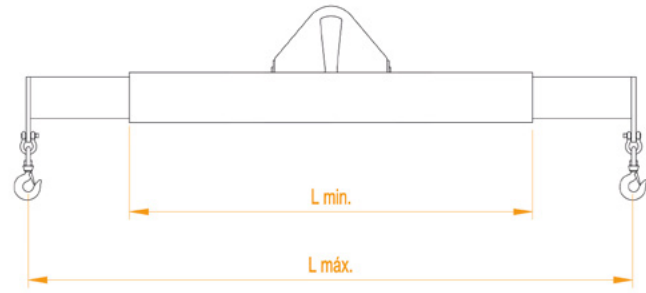
| CODE          | TYPE     | WLL (t) | DIMENSIONS |   | ROTATION SPEED |
|---------------|----------|---------|------------|---|----------------|
|               |          |         | L          | S |                |
| 803LBG0002020 | LBG002-2 | 2       | 2          | 2 | 5              |
| 803LBG0002040 | LBG002-4 | 2       | 4          | 2 | 2              |
| 803LBG0005020 | LBG005-2 | 5       | 2          | 2 | 5              |
| 803LBG0005030 | LBG005-3 | 5       | 3          | 2 | 4              |
| 803LBG0005040 | LBG005-4 | 5       | 4          | 2 | 2              |
| 803LBG0010020 | LBG010-2 | 10      | 2          | 2 | 5              |
| 803LBG0010030 | LBG010-3 | 10      | 3          | 2 | 4              |
| 803LBG0010040 | LBG010-4 | 10      | 4          | 2 | 2              |
| 803LBG0010050 | LBG010-5 | 10      | 5          | 3 | 1              |
| 803LBG0015030 | LBG015-3 | 15      | 3          | 2 | 2              |
| 803LBG0015040 | LBG015-4 | 15      | 4          | 2 | 1              |
| 803LBG0015050 | LBG015-5 | 15      | 5          | 3 | 1              |
| 803LBG0020030 | LBG020-3 | 20      | 3          | 2 | 1              |
| 803LBG0020040 | LBG020-4 | 20      | 4          | 3 | 1              |
| 803LBG0020050 | LBG020-5 | 20      | 5          | 3 | 1              |
| 803LBG0030030 | LBG030-3 | 30      | 3          | 3 | 1              |
| 803LBG0030040 | LBG030-4 | 30      | 4          | 3 | 1              |
| 803LBG0030050 | LBG030-5 | 30      | 5          | 3 | 1              |
| 803LBG0050030 | LBG050-3 | 50      | 3          | 3 | 1              |
| 803LBG0050040 | LBG050-4 | 50      | 4          | 3 | 1              |
| 803LBG0050050 | LBG050-5 | 50      | 5          | 3 | 1              |

Generally this type of lifting beam is used with two cranes, because the movement is more stable, therefore, it must be supplied with two fixed top suspensions. In the case of having only one crane, the lifting beam with a central top suspension could be used, blocking the rotation of the crane.



The telescopic lifting beams are extensible and adjustable. That is, its volume changes depending on the useful span needed.

These lifting beams are composed of two parts: a central tube and two lateral tubes that move inside the central tube to modify the length. The movement of the side tubes can be done manually or through motorized spindles. Before each lift, you must set the useful length and check



The upper and lower suspension elements can be placed both in the central tube and in the side tubes of smaller section. Even so, the most usual configuration of this model is with a top eye on the central tube and two bottom eyes fixed on the ends of the lateral tubes, with several fixing points on the length of the tubes.



| CODE          | TYPE     | WLL (t) | DIMENSIONS |       |
|---------------|----------|---------|------------|-------|
|               |          |         | L max      | L min |
| 803LBH0001020 | LBH001-2 | 1       | 2000       | 500   |
| 803LBH0001030 | LBH001-3 | 1       | 3000       | 2000  |
| 803LBH0001040 | LBH001-4 | 1       | 4000       | 2500  |
| 803LBH0001050 | LBH001-5 | 1       | 5000       | 3000  |
| 803LBH0003020 | LBH003-2 | 3       | 2000       | 1500  |
| 803LBH0003030 | LBH003-3 | 3       | 3000       | 2000  |
| 803LBH0003040 | LBH003-4 | 3       | 4000       | 2500  |
| 803LBH0003050 | LBH003-5 | 3       | 5000       | 3000  |
| 803LBH0003060 | LBH003-6 | 3       | 6000       | 3500  |
| 803LBH0005020 | LBH005-2 | 5       | 2000       | 1500  |
| 803LBH0005030 | LBH005-3 | 5       | 3000       | 2000  |
| 803LBH0005040 | LBH005-4 | 5       | 4000       | 2500  |
| 803LBH0005050 | LBH005-5 | 5       | 5000       | 3000  |
| 803LBH0005060 | LBH005-6 | 5       | 6000       | 3500  |
| 803LBH0008020 | LBH008-2 | 8       | 2000       | 1500  |
| 803LBH0008030 | LBH008-3 | 8       | 3000       | 2000  |
| 803LBH0008040 | LBH008-4 | 8       | 4000       | 2500  |

| CODE          | TYPE     | WLL (t) | DIMENSIONS |       |
|---------------|----------|---------|------------|-------|
|               |          |         | L max      | L min |
| 803LBH0008050 | LBH008-5 | 8       | 5000       | 3000  |
| 803LBH0008060 | LBH008-6 | 8       | 6000       | 3500  |
| 803LBH0010020 | LBH010-2 | 10      | 2000       | 1500  |
| 803LBH0010030 | LBH010-3 | 10      | 3000       | 2000  |
| 803LBH0010040 | LBH010-4 | 10      | 4000       | 2500  |
| 803LBH0010050 | LBH010-5 | 10      | 5000       | 3000  |
| 803LBH0010060 | LBH010-6 | 10      | 6000       | 3500  |
| 803LBH0015020 | LBH015-2 | 15      | 2000       | 1500  |
| 803LBH0015030 | LBH015-3 | 15      | 3000       | 2000  |
| 803LBH0015040 | LBH015-4 | 15      | 4000       | 2500  |
| 803LBH0015050 | LBH015-5 | 15      | 5000       | 3000  |
| 803LBH0015060 | LBH015-6 | 15      | 6000       | 3500  |
| 803LBH0020020 | LBH020-2 | 20      | 2000       | 1500  |
| 803LBH0020030 | LBH020-3 | 20      | 3000       | 2000  |
| 803LBH0020040 | LBH020-4 | 20      | 4000       | 2500  |
| 803LBH0020050 | LBH020-5 | 20      | 5000       | 3000  |
| 803LBH0020060 | LBH020-6 | 20      | 6000       | 3500  |

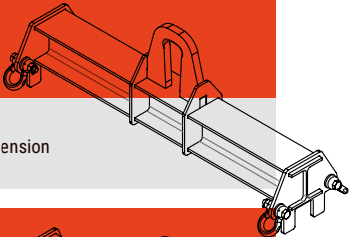
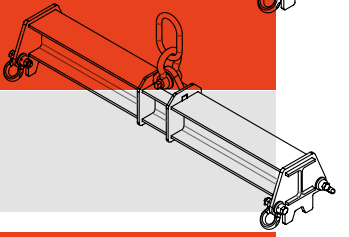
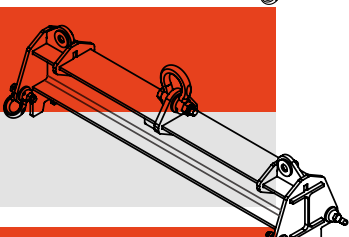
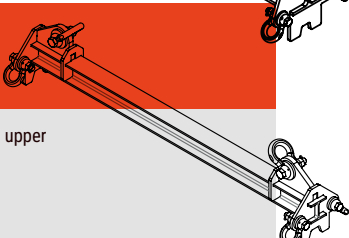
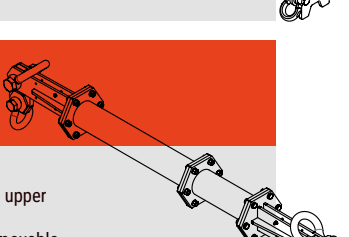




At OX Worldwide, we manufacture lifting tools for the maritime sector.

Maritime containers can be moved from the top, with rectangular lifting beams that have twistlocks in each corner. The result is a structure as large as the container to be handled.

The less bulky and more economical option is to use a fixed lifting beam, with a single beam structure, with the width of the container. In the lower suspension elements four chains are placed with lateral twistlock at the ends to go to find the base of the container. The same lifting beam is used to handle containers of 20', 40' and 40' HC.

| CODE          | TYPE       | DESCRIPTION                                                                                                                     | WLL (t) | LENGTH | CHARACTERISTICS                                                                                                                       |    |
|---------------|------------|---------------------------------------------------------------------------------------------------------------------------------|---------|--------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 803LBA0032CTC | LBA032-CTC | Lifting beam with upper simple eye for crane hook                                                                               | 32,5    | 2500   | Minimum height loss.<br>Unalterable simple eye dimension                                                                              |                                                                                       |
| CODE          | TYPE       | DESCRIPTION                                                                                                                     | WLL (t) | LENGTH | CHARACTERISTICS                                                                                                                       |   |
| 803LBA0032CTA | LBA032-CTA | Lifting beam with two options of upper lifting point: simple eye for shackle and masterlink and eyes for an upper 2-legs slings | 35      | 2500   | Maximum versatility:<br>crane and useful height                                                                                       |                                                                                       |
| CODE          | TYPE       | DESCRIPTION                                                                                                                     | WLL (t) | LENGTH | CHARACTERISTICS                                                                                                                       |  |
| 803LBA0035CTB | LBA-CTB    | Lifting beam with upper simple eye for shackle and masterlink                                                                   | 32,5    |        | Minimum height loss.<br>Crane versatility.                                                                                            |                                                                                       |
| CODE          | TYPE       | DESCRIPTION                                                                                                                     | WLL (t) | LENGTH | CHARACTERISTICS                                                                                                                       |  |
| 803LBA0032CTO | LBA032-CTC | Lifting beam for upper 2-legs sling                                                                                             | 32,5    | 2500   | It requires more height and upper 2-legs sling.<br>Lighter lifting beam.<br>Crane versatility.                                        |                                                                                       |
| CODE          | TYPE       | DESCRIPTION                                                                                                                     | WLL (t) | LENGTH | CHARACTERISTICS                                                                                                                       |  |
| 80220034      | OX-SB 0034 | OX Spreader beam                                                                                                                | 34      | 2500   | Modular lifting beam.<br>It requires more height and upper 2-legs sling.<br>Lighter lifting beam and removable.<br>Crane versatility. |                                                                                       |



## BEAM FOR HUGE LOADS

We manufacture beams for huge loads that cannot be handled with standard structures.



## BEAMS ACCESSORIES



Small holder.  
Less than 100 mm  
width beams.



Medium holder.  
Less than 350 mm  
width beams.



Big holder.  
Less than 650 mm  
width beams.

## CUSTOMIZED BEAMS

We adapt to every client to offer a customized beam that properly satisfy their needs.



## GROUP OF BEAMS

We study and design groups of beams for lifting in a balanced way loads with irregular shapes.

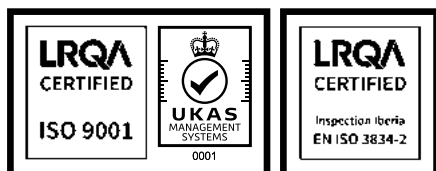


## OX & RUD LIFTING SOLUTIONS, S.L.

OX, as a brand of the CFB Group, was created in 2011, and in 2024 we joined a huge company, RUD Ketten Rieger & Dietz GmbH u. Co. KG., with the mission of offering and bringing to all countries the best solutions for the transport and lifting of loads in a controlled and safe way in any industrial, naval, railway, wind, oil & gas, offshore, automotive, aeronautical and small industries. Now, more than ever, closer to the customer, with distributors and branches on all five continents.

At OX & RUD, engineering, experience and advice are the basis of our quality.

**OX & RUD, now bigger, stronger, better.**



## ISO CERTIFICATE

We have managed to manufacture and distribute machinery that meets the highest standards.

For this, it is an essential requirement to pass all quality controls, which is why we have the following certifications:

- **ISO 9001:2015**
- **EN ISO 3834-2:2006 (Welding)**

OX & RUD is Lloyd Register Quality Assurance certified, in order to comply with all regulations, standards and norms of the European Union.



"Our priority is to provide effective, profitable and safe solutions, to ensure long-term business relationships, through customer satisfaction."

**Emilio Blasco**  
Founder

**YOUR TRUSTED  
PARTNER FOR  
HEAVY LIFTING  
SOLUTIONS**

**OX® + RUD®**  
LIFTING SOLUTIONS

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