

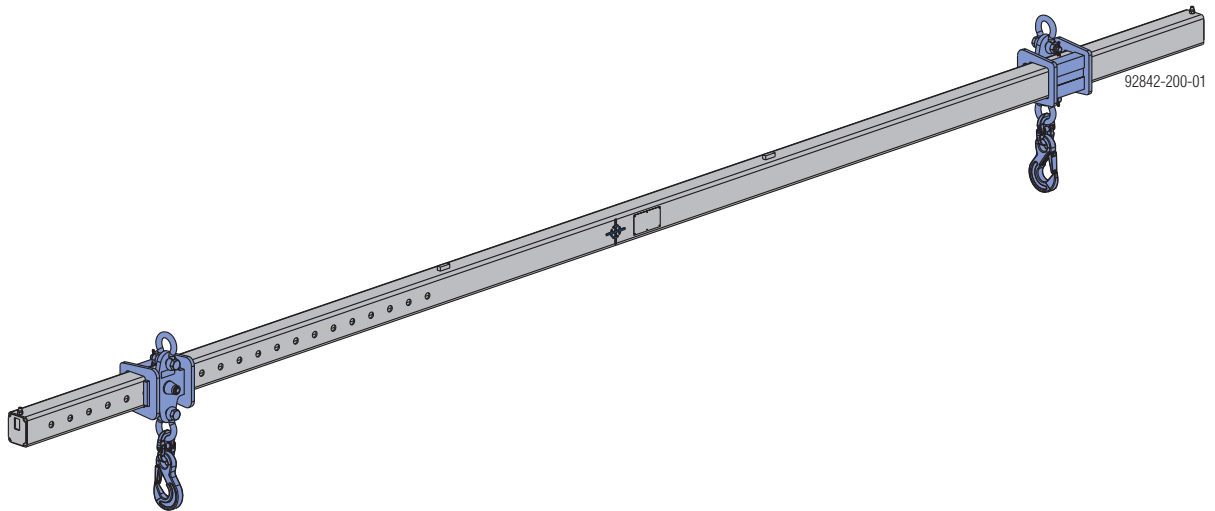
The Formwork Experts.

# Lifting beam 110kN 6.00m

Art.-Nr.: 586359000 | ab Baujahr 2010

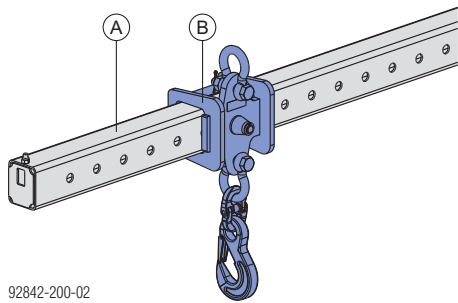
## Original Operating Instructions

Please retain for future reference



## Product presentation

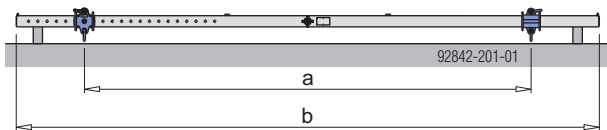
On the lifting-beam there are movable adjusting-lugs which can be fixed in a 100 mm grid.



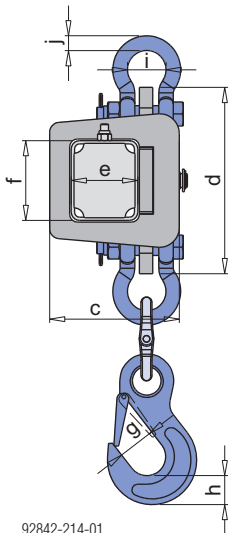
92842-200-02

**A** Lifting beam

**B** Adjusting-lug



a ... min. 2000 mm  
a ... max. 6000 mm  
b ... 6266 mm



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c ... 195 mm  
d ... 280 mm  
e ... 100 mm  
f ... 120 mm  
g ... 39 mm  
h ... 44 mm  
i ... 58 mm  
j ... 22 mm

## Data on rating plate

Designation: Lifting beam 110kN 6.00m

Art.n°: 586359000

Dead weight: 140 kg

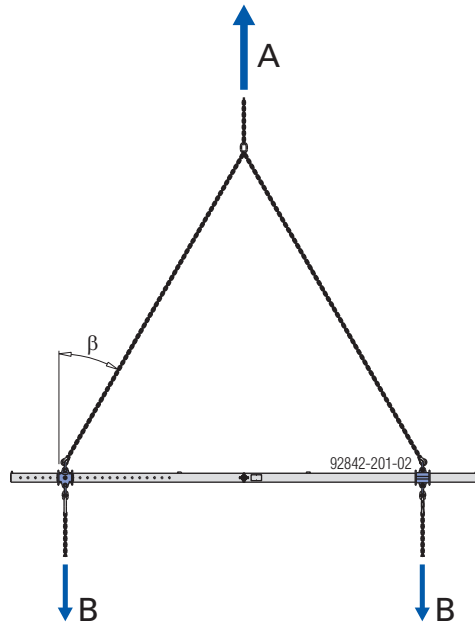
Max. load: 11,000 kg

Year of manufacture: see rating plate



## Intended use

The Lifting beam 110kN 6.00m is a lifting accessory with movable adjusting-lugs. It is used for attaching and lifting loads on which only vertical force is allowed. (Intended use).



Spread-angle  $\beta$  max. 30°!

### Max. load:

A ... 11,000 kg

B ... 5500 kg



### NOTICE

- Other use or use not in conformity with that stated above is non-intended use and requires the prior written approval of the Doka company!
- Only use serviceable, functioning components. (Do a sight-check to see if any parts are damaged).
- The lifting accessory may only be used by experienced, trained persons ('crane slingers').

## Deployment limitations

- It is forbidden to use it for handling liquid or bulk materials.
- Only use the lifting-beam in a temperature range from -20 °C to +100 °C.

## Maintenance & inspection

- Repairs may only be carried out by the manufacturer!
- Doka accepts no liability for products that have been altered!

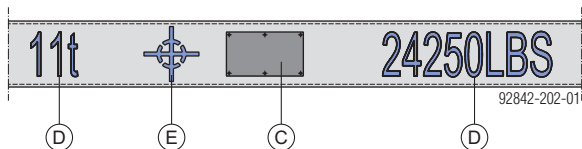
### Before every use

- Check for any signs of damage or visible deformation.



Lifting accessories that do not meet the following criteria must be withdrawn from use immediately:

- No deformation.
- No cracks or notches.
- No damage due to the influence of heat.
- Rating plate must be in place and clearly legible
- The load-carrying capacity must be clearly legible on both the lifting-beam and the adjusting-lugs.



**C** Rating plate

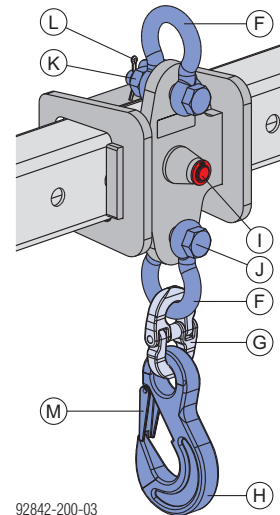
**D** Information on load-carrying capacity

**E** Centre-of-gravity mark

- Check the slinging points.



- Completeness
  - On each of the two adjusting-lugs there must be 2 shackles, a connecting link and an eye-hook.
- Adjusting-lugs must fit firmly
  - The pressure pin on the adjusting-lug must snap into the borehole automatically, i.e. without having to be pushed.



**F** Shackle

**G** Connecting link

**H** Eye-hook

**I** Pressure pin

**J** Shackle bolt

**K** Hexagon nut M24

**L** Cotter pin

**M** Safety latch

### At regular intervals

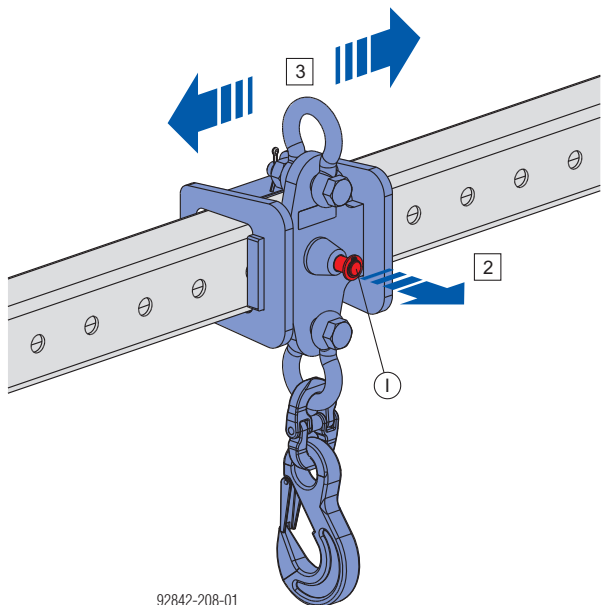
- Inspection of lifting accessories must be performed at regular intervals by an **expert** in conformity with **national statutory provisions**. Unless otherwise stipulated, such inspection must be carried out **at least once a year**.

### Storage

- Store lifting accessories in a dry and well ventilated place, protected from the weather and from all corrosive substances.


## Positioning the adjusting-lugs

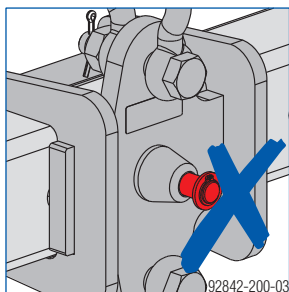
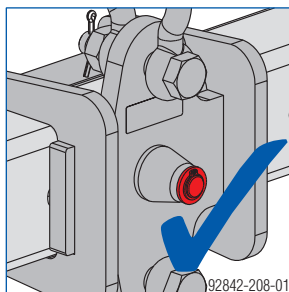
- 1) Place the lifting beam onto squared timbers.
- 2) Pull out the pressure pin.
- 3) Set each adjusting-lug to the position required for the slinging points of the load to be lifted.



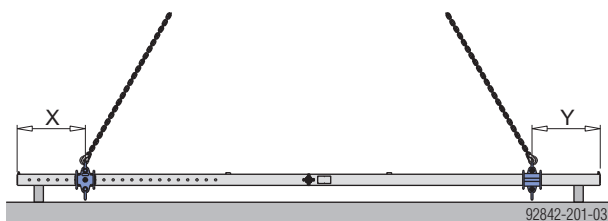
### I Pressure pin

The pressure pin should snap into the borehole automatically.

 The pressure pin of the adjusting-lug must have snapped all the way into the borehole.



**Note:**  
Make sure that the adjusting-lugs are arranged symmetrically!



X = Y

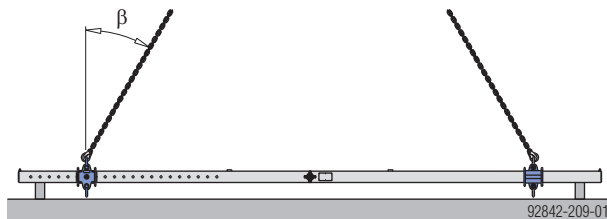
## How to use

### Attaching the lifting chain to the lifting beam



#### NOTICE

- ▶ The lifting chain used must be adequately dimensioned.
- ▶ Attach the lifting chain to the shackles on the lifting-beam.



Spread-angle  $\beta$  max. 30°!



Follow the directions given in the Operating Instructions of the lifting chain that is being used.

### Attaching and repositioning the load



#### NOTICE

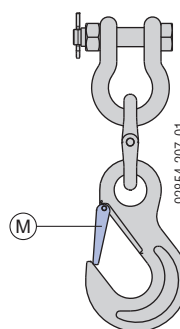
- ▶ Never exceed the permitted load-carrying capacity of the lifting-beam.
- ▶ Do not exceed the max. load of the slinging points on the item (load) for repositioning!
- ▶ The load centre must be located exactly beneath the crane hook.

**Maximum angle of inclination of the lifting-beam: 6°**

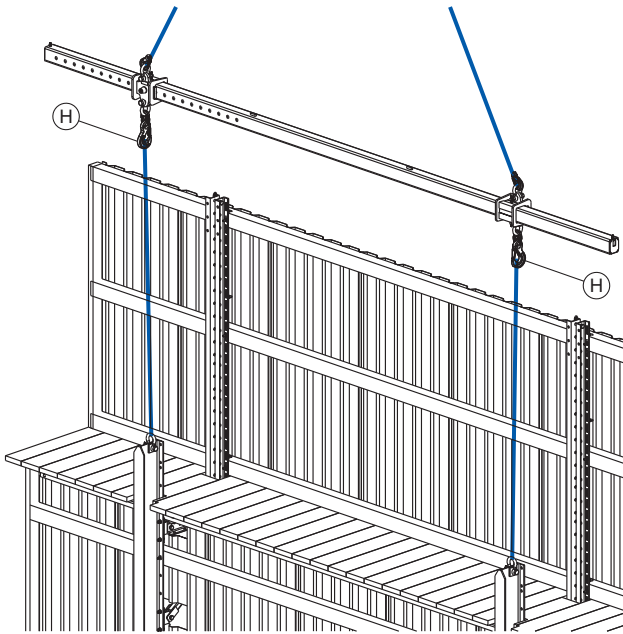
- ▶ Attach the load to both eye-hooks.



After the lifting chains have been connected to the eye-hooks, the safety latches must always be in the closed position.



### M Safety latch



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**H** Eye-hooks



**WARNING**

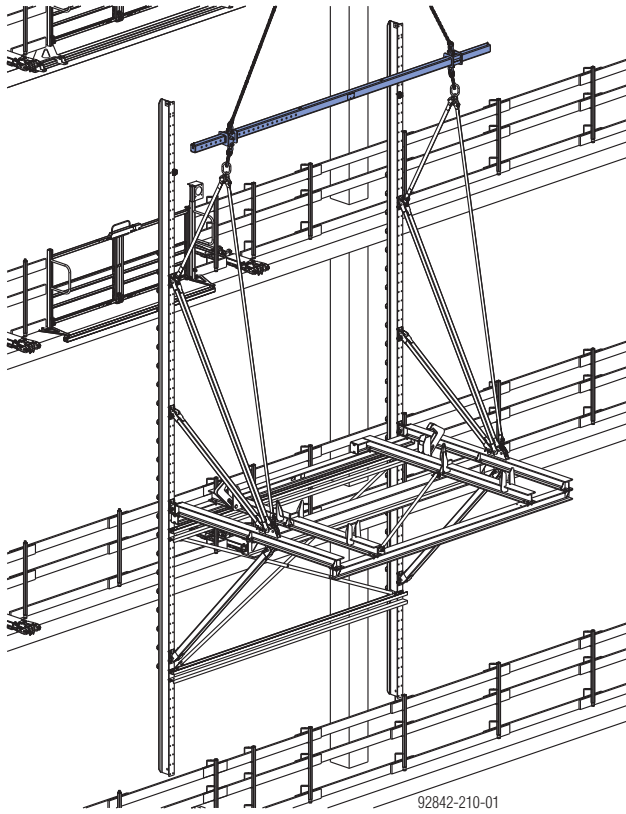
Jerky movements cause overloading

- ▶ It is strictly forbidden to apply any oblique pull to the lifting-beam.
- ▶ Never use the lifting-beam to break cohesion between the concrete and the load.
- ▶ While repositioning the load, make sure that no collisions occur, and that the load does not sway back and forth.

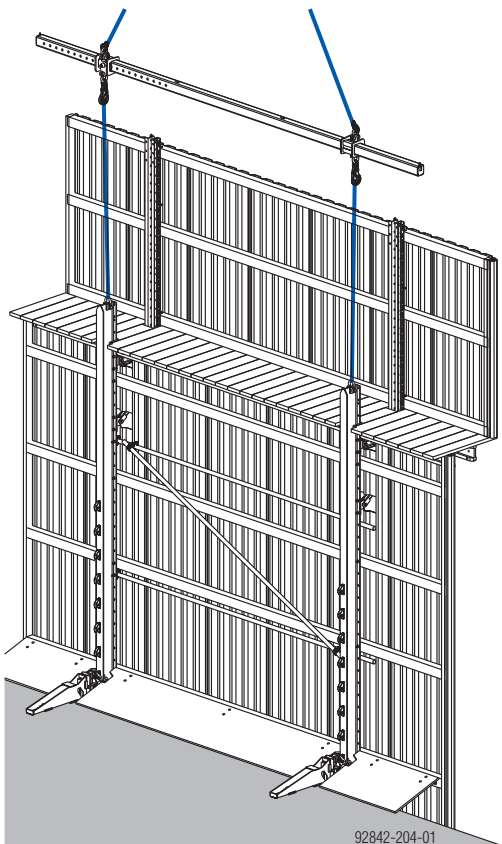
- ▶ Fly the load to its next location (guide with tag-lines if necessary).

## Practical examples

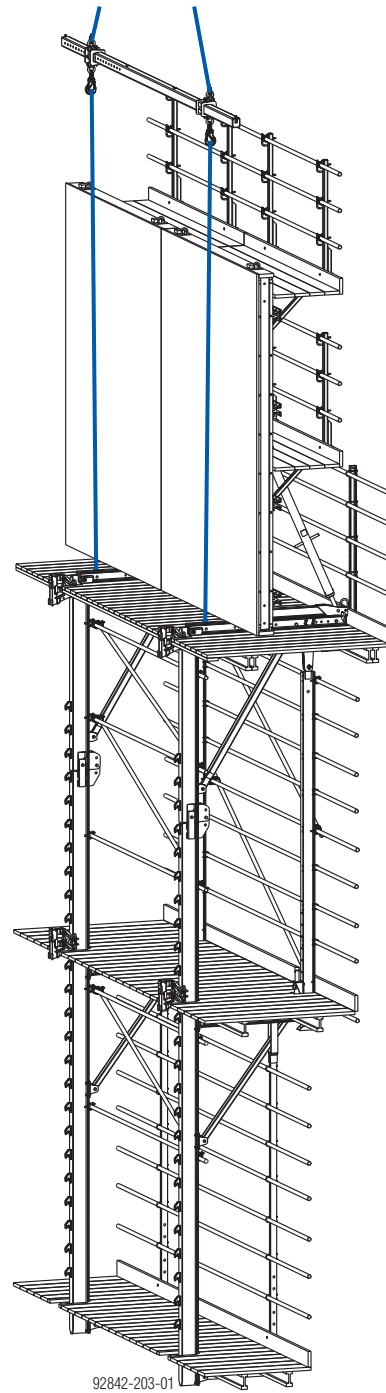
### Self-climbing unit TLS



### Protection screen Xclimb 60



### Climbing formwork Xclimb 60 (structure-guided)



Follow the directions in the relevant User Information booklets and Operating Instructions!

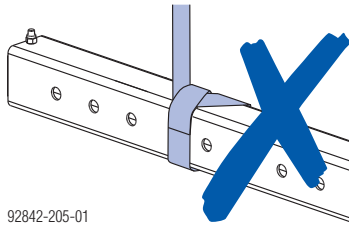
## Possible incorrect usages



### WARNING

▶ The uses illustrated below are prohibited, as are other, similar uses!

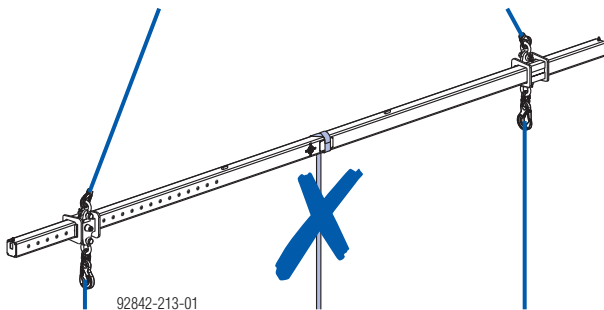
▶ Only use the slinging points on the adjusting-lugs.



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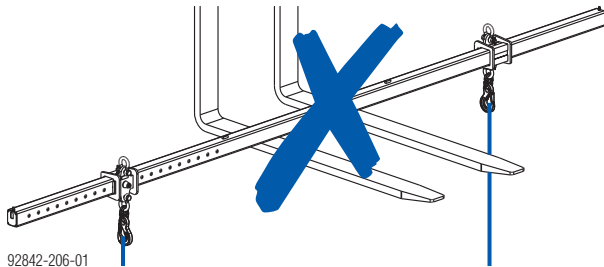
It is forbidden to loop lifting slings around the lifting-beam.

▶ Do not attach any additional slings to the lifting-beam.



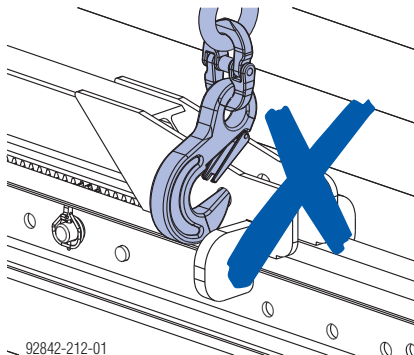
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▶ Do not subject the lifting-beam to bending stress.



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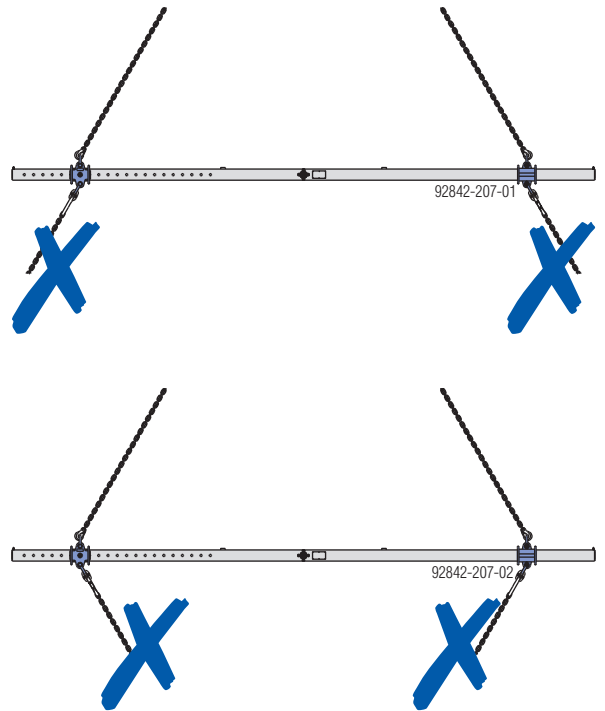
▶ Do not apply loads to the tips of the eye-hooks.



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The hooks and lugs of the load must be able to move freely in the eye-hooks.

▶ Only vertical loads may be suspended from the lifting-beam.



## Declaration of conformity

**CE**

EC Declaration of Conformity  
pursuant to EC Directive 2006/42/EC.

The manufacturer declares that by reason of its conception and design, the following product

**Lifting beam 110kN 6.00m, Art.n° 586359000**

conforms – in the version marketed by ourselves – to the pertinent fundamental health and safety stipulations of the relevant EC Directives.

The following harmonised Standards were applied:

- EN ISO 12100:2010
- EN 13155:2009

**Person authorised to compile technical documentation (pursuant to European Directive on Machinery Annex II):**

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Amstetten, 07/01/2019

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