999293202 - 04/2024
en-GB

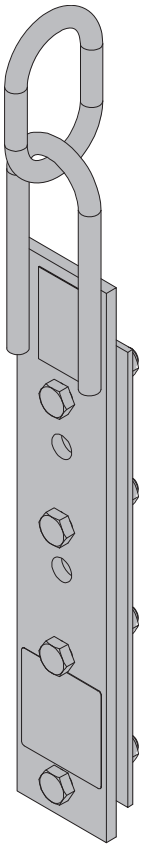
The Formwork Experts.

Lifting bracket

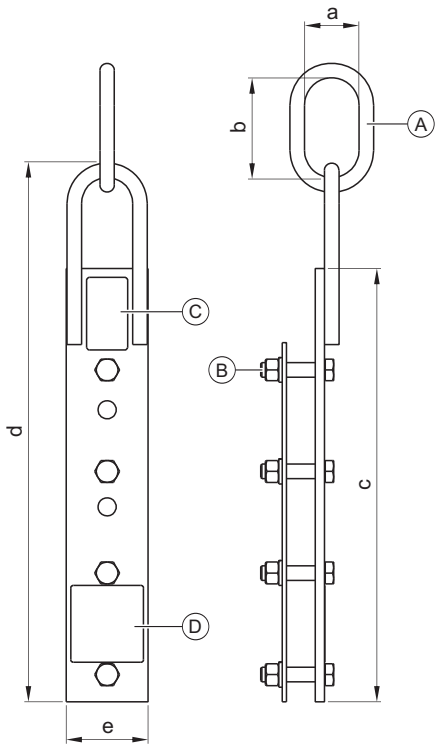
Art. n°: 580460000

Original Operating Instructions

Please retain for future reference



Product presentation



a ... 60 mm (2 3/8")
b ... 110 mm (4 5/16")
c ... 478 mm (18 7/8")
d ... 594 mm (23 3/8")
e ... 90 mm (3 1/2")

A	Chainlink A16
B	Hexagon bolt ISO 4014 M16x70 8.8 galv. Hexagon nut ISO 4032 M16 8 galv. Spring washer DIN 127 A16 galv.
C	Type plate
D	Warning label

Data on type plate

- Art. n°: 580460000
- Designation: Lifting bracket
- Permitted working load limits: 1300 kg (2860 lbs)
- Angle β of slinging means: max. 30°.
- Max. waling centre-to-centre spacing: See Operating Instructions!
- Year of manufacture: see type plate
- Serial n°: see type plate
- QR code: Information on basis of serial numbers on id.doka.com

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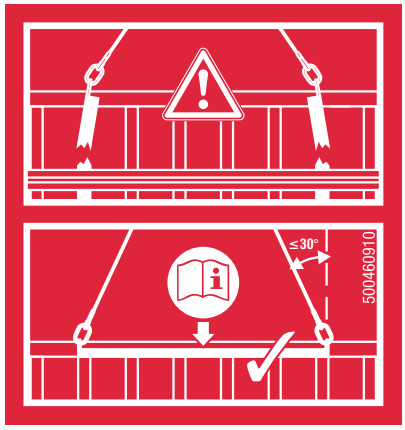
Safety notes (warning labels) on the product

- **Danger to life!**
  It is strictly prohibited to lift the formwork without pressure bracing!
  Angle β of slinging means max. 30°.



Intended use

The Lifting bracket is a lifting accessory. It is used as crane hoisting point for raising, repositioning and laying down elements of the following Doka large-area formwork systems (intended use).

- Large-area formwork Top 50
- Large-area formwork Top 100 tec

Generally applicable rules are described in these Operating Instructions.
Compliance is also required with additional instructions set out in the **User Information booklet** for the **formwork system** used!

The Lifting brackets are installed before the element is used for the first time.
2 Lifting brackets are needed for each **element**.
The Lifting brackets remain installed on the element as integral components.

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!
- It is forbidden to lift other manufacturers' formwork with it.

Maintenance & inspection

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

Before every time of using:

➤ Check for any signs of damage or visible deformation.

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

- Crack-free and notch-free welds.
- No deformation.
- The type plate and all adhesive labels must be in place, and must be clearly legible.

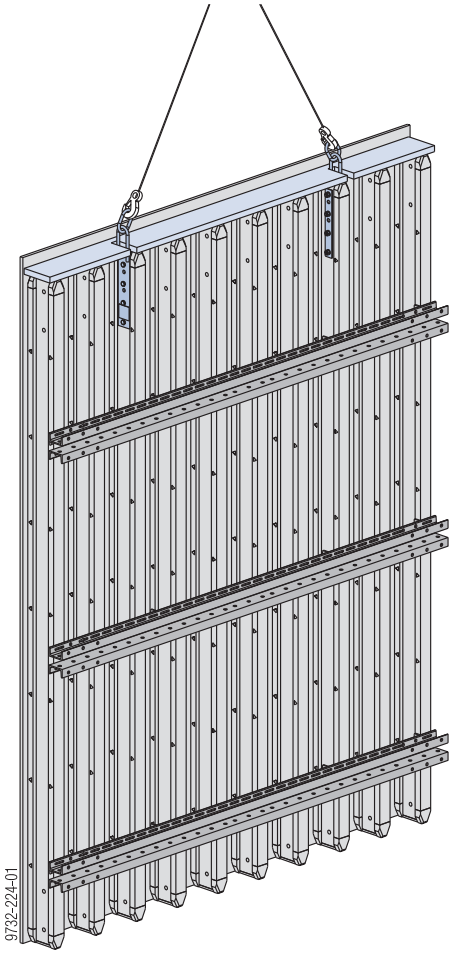
At regular intervals:

- 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.

Practical example



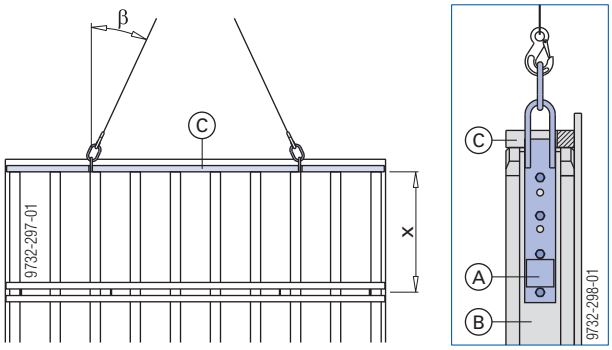
The crane cables for lifting the elements are fastened to the Lifting brackets. These are bolted onto the webs of the Doka beams.

If necessary, the Lifting brackets can also be connected to the holes in the multi-purpose walings (e.g. where elements are being used with vertical walings).

Carrying capacity

Large-area formwork Top 50

Permitted working load limit:
- 1300 kg per Lifting bracket for waling centre-to-centre spacing x less than 0.75 m
- 1000 kg per Lifting bracket for waling centre-to-centre spacing x 0.75 to 1.00 m

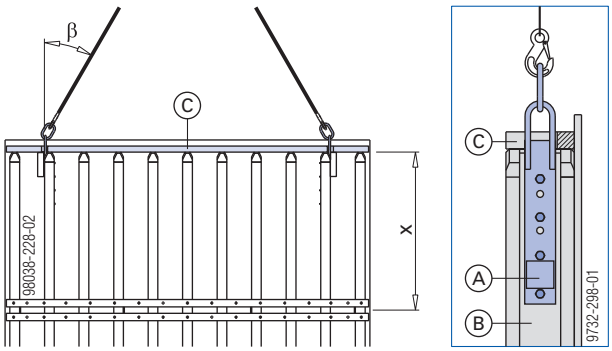


β ... max. 30°

A	Lifting bracket
B	Doka beam
C	Pressure bracing (plank 4.5x20 cm)

Large-area formwork Top 100 tec

Permitted working load limit:
- 1300 kg per Lifting bracket (with Doka beam I tec 20)



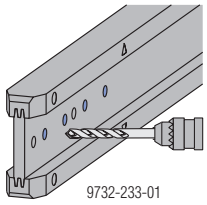
β ... max. 30°

x ... Waling centre-to-centre spacing: max. 1.40 m

A	Lifting bracket
B	Doka beam I tec 20
C	Pressure bracing (plank, 4.5x20 cm)

Mounting the lifting brackets

➤ Prepare the required number of Doka beams with such extra holes as are needed. Extra holes must be drilled for lifting brackets, Universal brackets, Top scaffold brackets and stacking-plates.



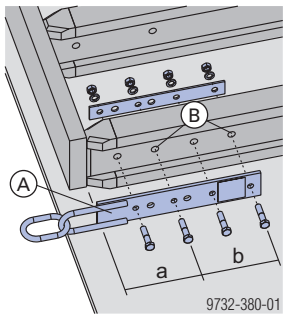
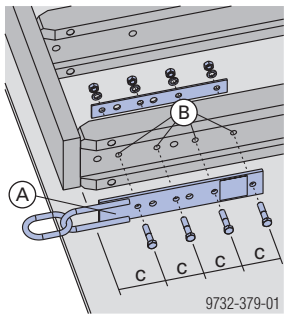
We recommend a carbide-tipped bit for drilling through the Doka beam H 20 P.

WARNING

➤ Doka beams which have lifting brackets mounted to them must be attached to the multi-purpose walings by means of threaded joints or flange clamps.

Simply nailing them only to the connection plate is not sufficient.

➤ Bolt the lifting bracketinto 4 drilled holes.
Tools needed: Reversible ratchet 1/2", Box nut 24, Fork spanner 24

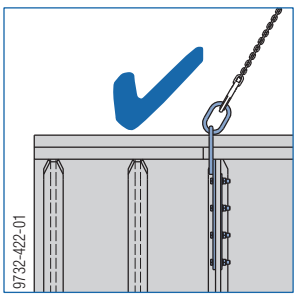
Distance of outermost hole from edge of beam	
9 cm	5 cm
	

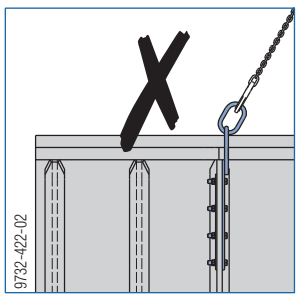
a ... 20.0 cm
b ... 22.4 cm
c ... 11.2 cm

A	Lifting bracket
B	Extra diam. 18 mm holes

NOTICE

Be careful to ensure that the Lifting brackets are mounted in the correct position!





Mounting the top plank (pressure bracing)

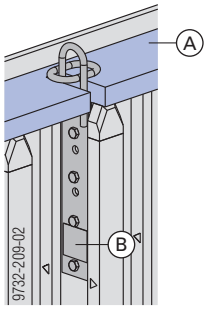
DANGER

➤ There must always be a pressure bracing between the Lifting brackets.

➤ The gap between the two Lifting brackets must be firmly braced, without any play, to prevent any oblique pull being applied to the Doka beams.

This means that the recesses must be profiled very precisely into the web of the beam.

➤ Fasten the top plank (pressure bracing) to each beam-flange using a 3.1x90 nail.



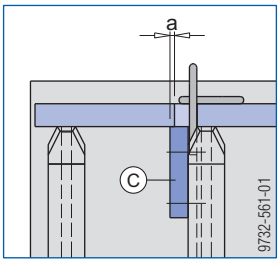
A Top plank (pressure bracing)

B Lifting bracket

CAUTION

➤ If the lifting bracket is mounted on the 2nd beam from the outside, the top plank must be supported where it has been recessed.

➤ Nail a supporting board onto the formwork beam.



a ... min. 10 mm (minimum support surface)

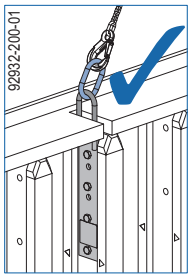
C e.g. 200x200 mm board

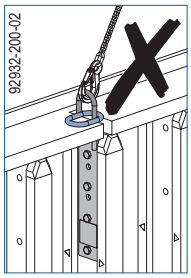
Attaching the crane

WARNING

Do not attach the crane hook to the rigid bow of the Lifting bracket!

➤ Attach the crane hook to the A16 chainlink of the Lifting bracket.





Stripping and repositioning the panels

Before repositioning: Remove any loose items from the formwork and platforms, or secure them firmly.

NOTICE

➤ Make sure the tag-lines are long enough to enable the holders to stay outside the danger zone at all times.

WARNING

The formwork tends to adhere to the concrete. When stripping the formwork, do not try to break concrete cohesion using the crane!

Risk of injury and damage to property due to crane overload.

➤ Use suitable tools such as timber wedges or a special pry-bar to detach the formwork from the concrete.

➤ Crane-lift the gang-form to its next location (guide with tag-lines if necessary).

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 bracket, art. n° 580460000

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
- EN ISO 13854

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

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