

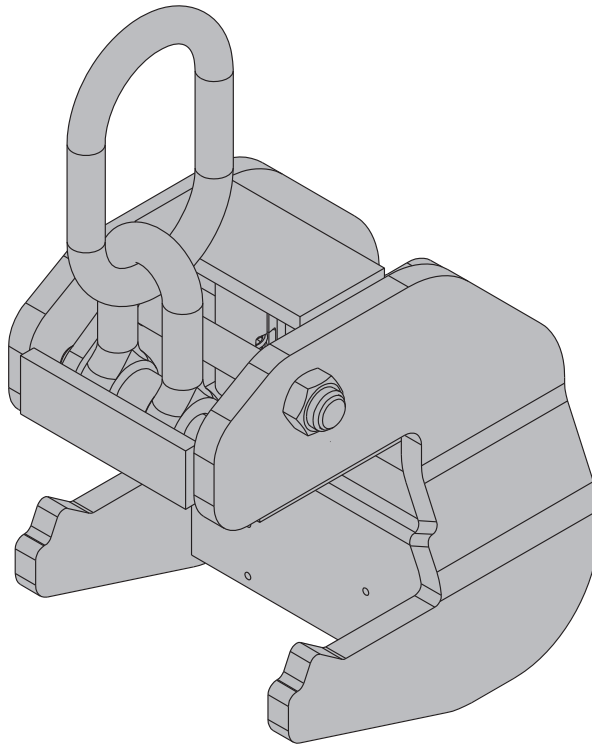
The Formwork Experts.

Framax lifting hook

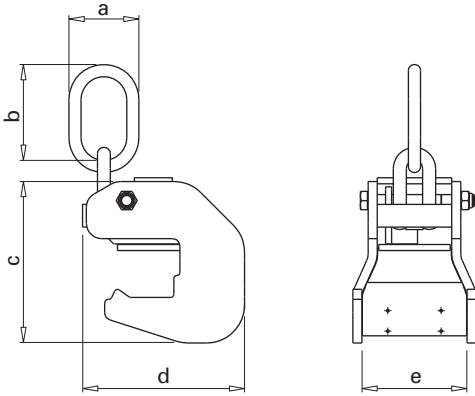
Art. n°: 588149000, 588149500 | 1998 models onward

Original Operating Instructions

Please retain for future reference



Basic drawings of product



- a ... 60 mm (2 3/8")
- b ... 110 mm (4 5/16")
- c ... 212 mm (8 3/8")
- d ... 213 mm (8 3/8")
- e ... 138 mm (5 7/16")

Data on rating plate

Designation: Framax lifting hook, Framax lifting hook SN

Art. n°: 588149000, 588149500

Dead weight: 10.6 kg (23.4 lbs)

Max. load where $\beta \leq 30^\circ$: 1000 kg (2200 lbs)

Max. load where $\beta \leq 7.5^\circ$: 1500 kg (3300 lbs)

Year of manufacture: see rating plate



Note:

Framax lifting hooks with the rated load-bearing capacity of max. 1000 kg (2200 lbs) also comply with the requirements for a load bearing capacity of 1500 kg (3300 lbs) at a spread angle $\beta \leq 7.5^\circ$.

Intended use

The Framax lifting hook is a lifting accessory. It is used for raising, repositioning and laying down Framax, Frameco and Alu-Framax panels, Column elements Alu, and gang-forms assembled from these panels (intended use).



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.
- The lifting hook must NOT be used on damaged (dented) profiles.
- The lifting hook must NOT be used for handling horizontally placed (flat) gang-forms.

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 the lifting hook for any signs of damage or visible deformation (over-elongation).



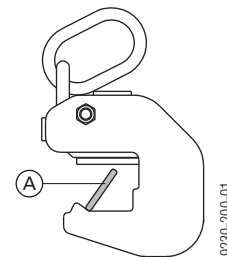
Pay particular attention to the following points:

- Crack-free and notch-free welds.
- No deformation.
- The rating plate must be in place and clearly legible.



NOTICE

If you suspect that the lifting hook has been damaged, check it with the **caliber (A)** or have it inspected by Doka. If you can push the caliber all the way through, then this lifting hook must be withdrawn from use immediately.



The caliber (A) is available from Doka under art. n° 525693000.

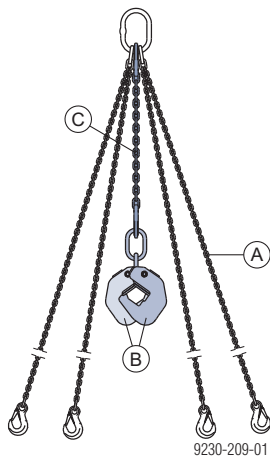
At regular intervals

- 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.

Parking position on the crane suspension tackle



- A** Crane suspension tackle (e.g. Doka 4-part chain 3.20m)
- B** Framax lifting hook
- C** Additional chain



Attach the **additional chain** to the crane suspension tackle and secure the lifting hooks to the end of the additional chain. In this way the lifting hooks are always available when needed.

Technical data of the additional chain:

- min. load-bearing capacity: 2500 kg
- Chain length: approx. 580 mm
- Link thickness: 8
- 2 KHSW 8 clevis sling hook

Positioning the lifting hooks

Note:

- To prevent sideways slippage, always use the appropriate attachment positions!
- Suspend the panel or gang-form symmetrically (centre-of-gravity position).
- Spread angle $\beta \leq 30^\circ$ or $\beta \leq 7.5^\circ$!

Max. load:

- Spread angle β up to 30° :
1000 kg (2200 lbs) / Framax lifting hook
- Spread angle β up to 7.5° :
1500 kg (3300 lbs) / Framax lifting hook

When used with Framax panels

Single panels

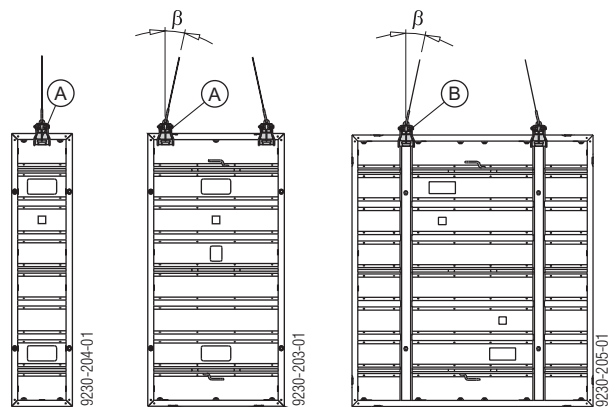
Panel longside vertical:

Panel width:

up to 60cm

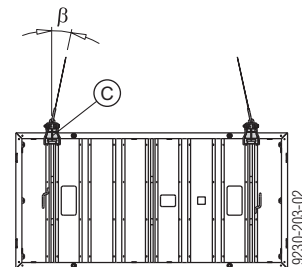
more than 60cm

more than 1.35cm



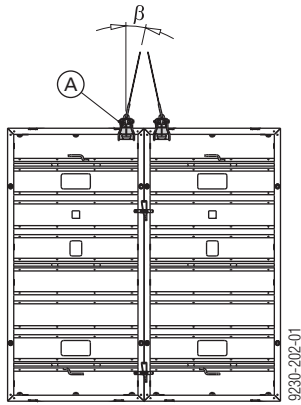
- A** Attachment position: Welded-on metal plate
- B** Attachment position: Centre profile

Panel longside horizontal:



- C** Attachment position: Cross profile

Two upright panels

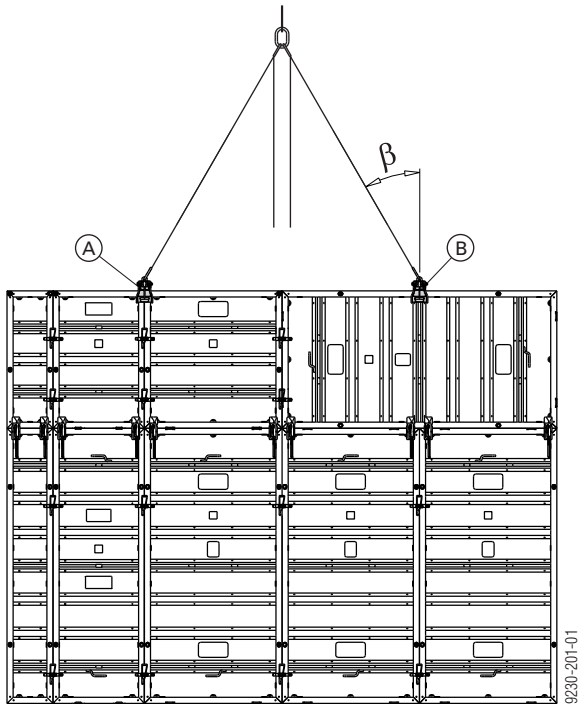


A Attachment position: Welded-on metal plate

Gang-form

Possible attachment positions:

- Panel joint
- Centre profile
- Cross profile (longside horizontal)



A Attachment position: Panel joint
B Attachment position: Cross profile

When used with Alu-Framax panels



NOTICE

Use 2 lifting hooks for each unit to be lifted!
Exception: Use 1 lifting hook for single panels.

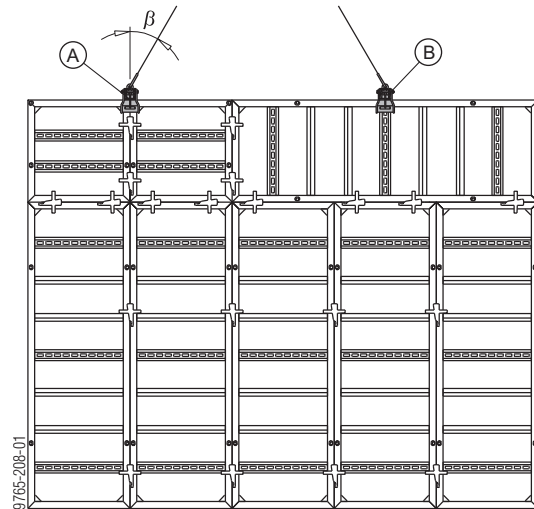
Gang-form

Note:

Spread angle β max. 30°

Possible attachment positions:

- Panel joint
- Waling profile (longside horizontal)

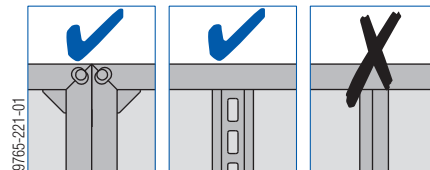


A Attachment position: Panel joint
B Attachment position: Waling profile

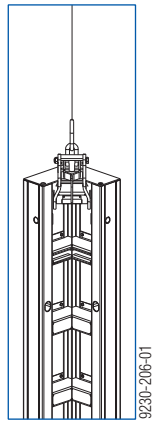


WARNING

▶ On single Alu-Framax panels incorporated in the horizontal, the lifting hook must **not be placed over a cross profile**.

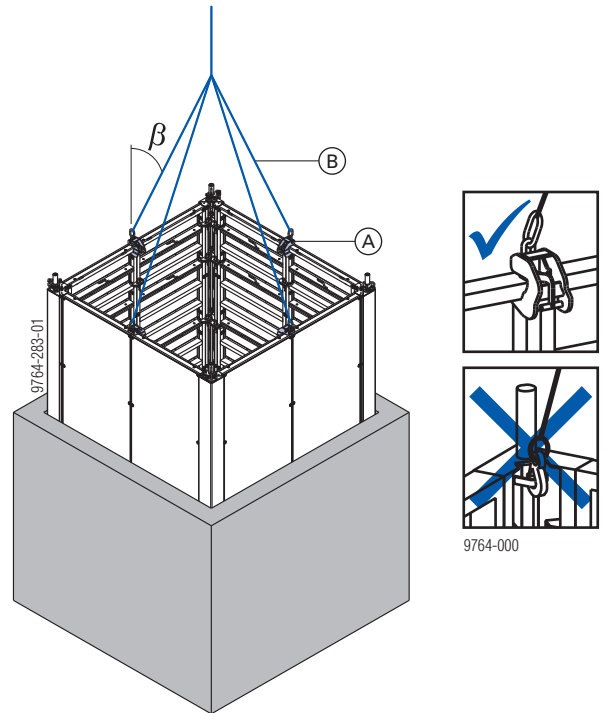


When used with inside corners



A Attachment position: Diagonal profile of the inside corner

When used with shaft formwork



β ... max. 15°

A Framax lifting hook

B Four-part lifting chain (e.g. Doka 4-part chain 3.20m)



The crane hook on the Stripping corner I is not allowed to be used for lifting the shaft formwork.

► The shaft formwork may **only be reset using lifting hooks.**

Permitted weight of the shaft formwork:

4000 kg (8800 lbs) with 4 Framax lifting hooks



Use a lifting beam for repositioning large gang-forms.

How to operate the lifting hook

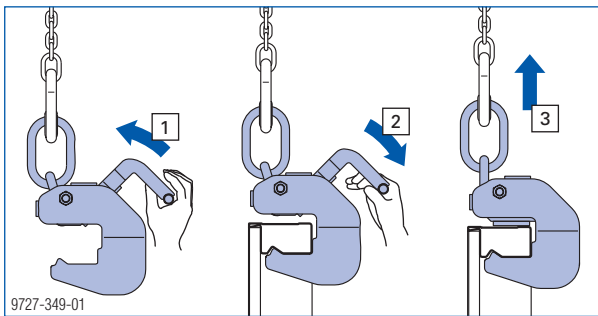
- 1) Raise the handle (locking lever) as far as it will go.
- 2) Push the lifting hook onto the frame profile as far as the rear stop, and close the handle (spring-loaded).



Do a sight-check to make sure that there is a secure form-fit between the lifting hook and the frame profile!

The handle must be closed!

- 3) When the panels are lifted by the crane, a load-dependent locking mechanism is activated.



Striking and repositioning the panels

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



WARNING

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

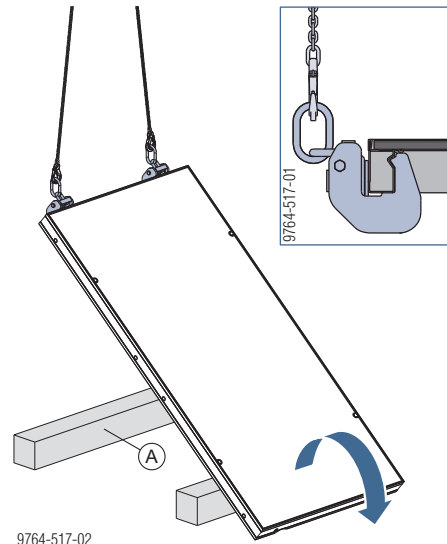
Risk of crane overload.

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

- ▶ Lift the gang-form to its new location (guide with tag-lines if necessary).

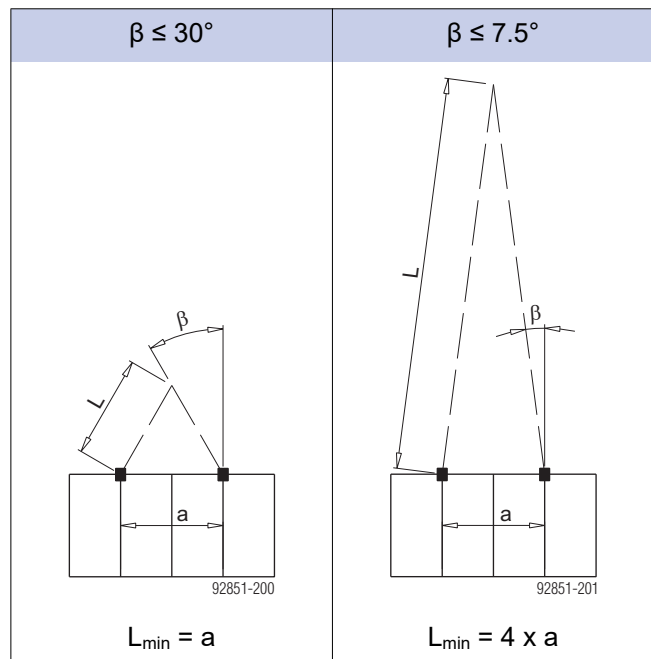
Lifting panels upright / turning panels over

- ▶ Use Framax transport bolts to lay the framed panel flat on squared timbers 20x20 cm
- ▶ Position the Framax lifting hooks.
- ▶ Lift the framed panel upright with Framax lifting hooks and, if applicable, lay it flat with the sheeting side down.



A Squared timber 20x20 cm

Determining the correct length of chain



Declaration of conformity

 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 Framax lifting hook DF, art. n° 588149000 Framax lifting hook SN, art. n° 588149500 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: <ul style="list-style-type: none"> ▪ EN ISO 12100:2010 ▪ EN 349:1993+A1:2008 	
Person authorised to compile technical documentation (pursuant to European Directive on Machinery Annex II): Dipl.-Ing. Ludwig Pekarek Josef Umdasch Platz 1 A-3300 Amstetten	
Amstetten, 05/03/2018	Doka GmbH Josef Umdasch Platz 1 A-3300 Amstetten
 	
Dipl.-Ing. Ludwig Pekarek Executive Manager	Dipl.-Ing. Peter Reisinger Authorised Officer, Head of Engineering