

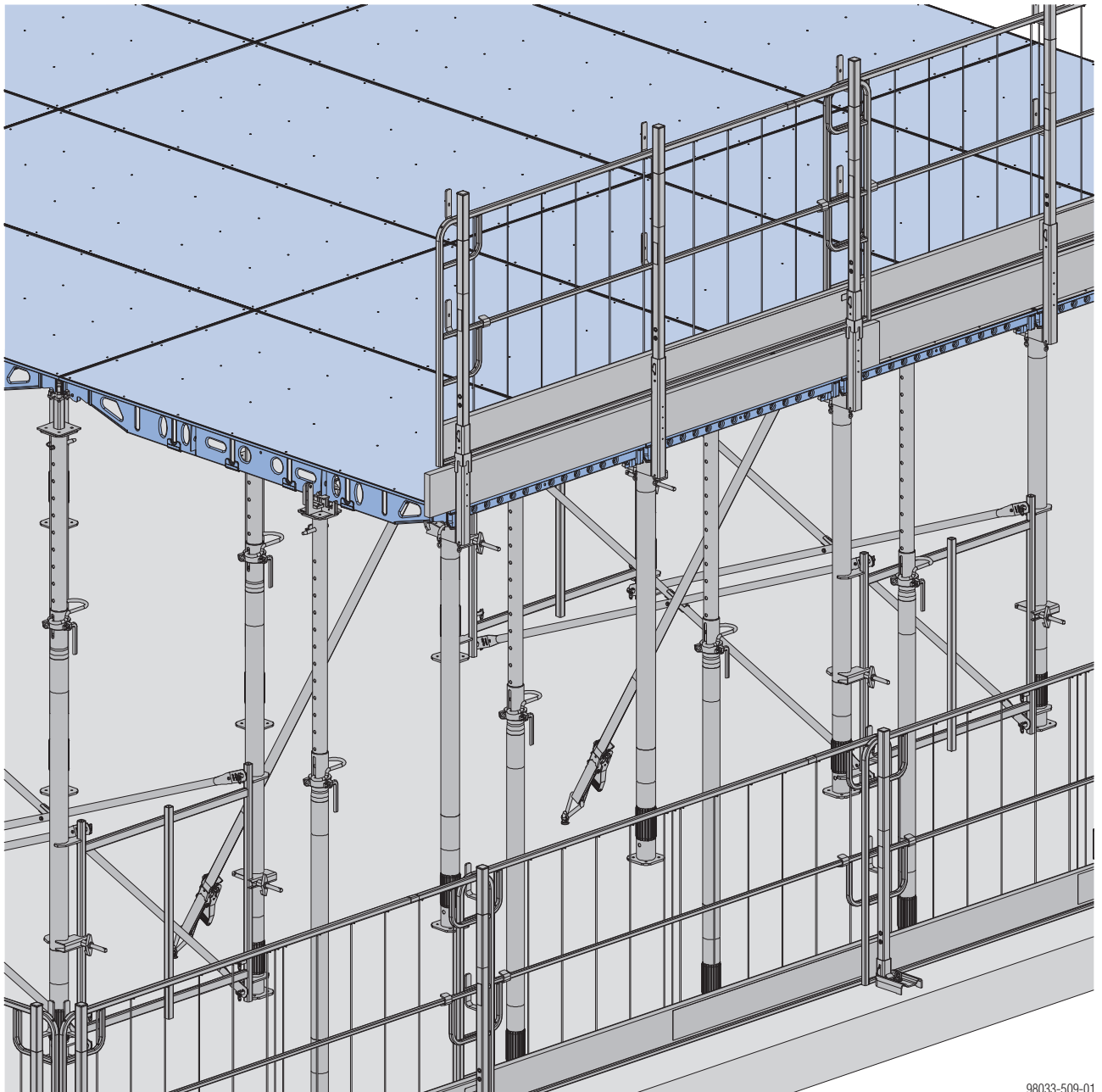
The Formwork Experts.

# Structure edge

Panel floor formwork Dokadek 30

## User Information

Instructions for assembly and use (Method statement)



98033-509-01



## Contents

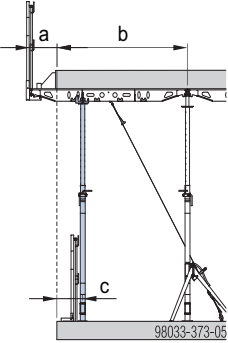
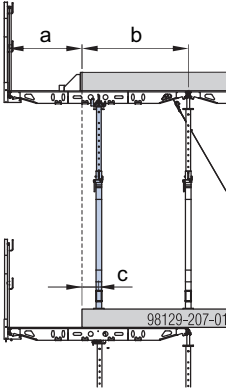
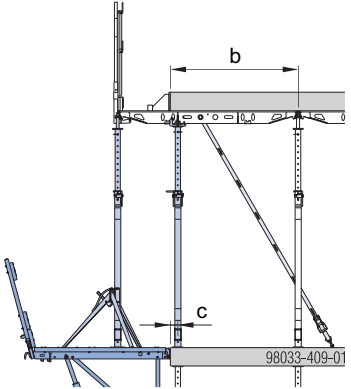
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# Overview



## NOTICE

- This document is valid only in combination with the basic document(s): **'Panel floor formwork Dokadek 30'** User Information booklet.
- When using Dokadek 30 for structures with high floor-to-ceiling heights, also follow the directions in the **'Alternative methods of assembly'** User Information booklet.
- Use of Dokadek panels 1.22x1.22m and 0.81x1.22m at structure edge not permitted.

	<b>Variant 1</b> Propping of the cantilevering panels at the one-third point		<b>Variant 2</b> Propping of the cantilevering panels at the middle point		<b>Variant 3</b> Propping the cantilevering panels at the one-third point or at the middle point on Folding platform K
	Operating with assembling tool	Operating with DekLift 4.50m	Operating with assembling tool and personal fall-arrest system	Operating with DekLift 4.50m	
					
Permitted cantilever <b>a</b> of the Dokadek panel	max. 71 cm		max. 112 cm		—
Permitted concrete load <b>b</b>	220 cm <sup>1)</sup>		140 cm		220 cm <sup>1)</sup>
Distance <b>c</b> (floor prop centreline to slab edge)	min. 10 cm		min. 10 cm		min. 10 cm

<sup>1)</sup> depending on slab stop-ends



# Variant 1 - Propping of the cantilevering panels at the one-third point

## Ground rules



### NOTICE

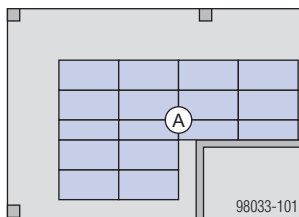
Use of Dokadek panels 1.22x1.22m and 0.81x1.22m at structure edge not permitted.

### Permitted slab thickness [cm] without additional precautions

Panel size	Permitted slab thickness	Deflection as defined by DIN 18202
1.22x2.44m	30	Line 6
1.22x2.44m	> 30 - 35	Line 5
1.22x1.22m	35	Line 5
0.81x2.44m	45	Line 6
0.81x2.44m	> 45 - 50	Line 5
0.81x1.22m	50	Line 6

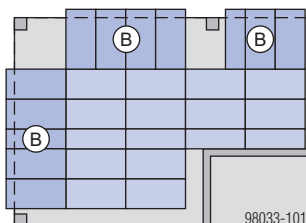
## Schematic set-up

- 1) Erect formwork in the typical zone until only the planned infill zone is left unformed; level and secure it against tip-over.



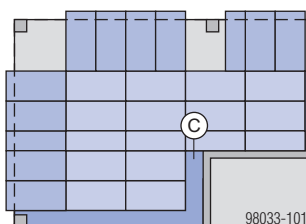
**A** Typical zone

- 2) Set up the cantilevering panels, level them and tie them back.



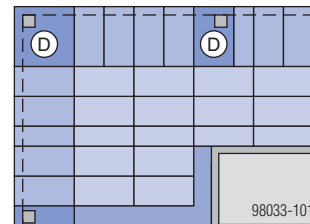
**B** Cantilevering panels

- 3) Mount guardrail systems.
- 4) Form the infilling in the typical zone.



**C** Infilling in typical zone

- 5) Form the infilling between the cantilevering panels.



**D** Infilling between cantilevering panels

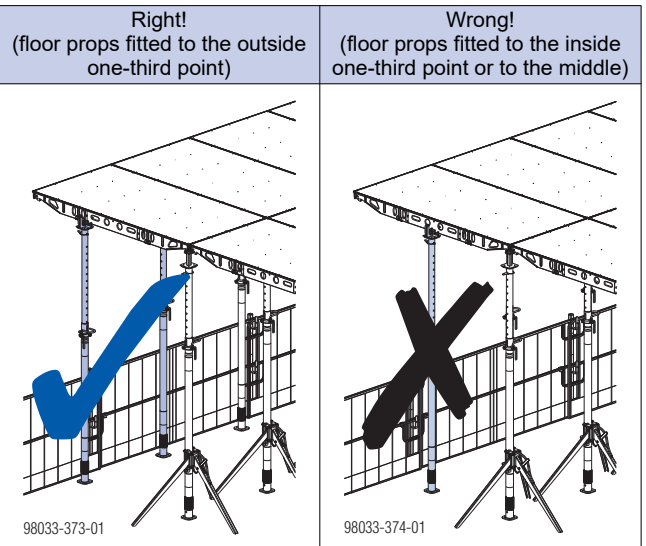
- 6) Mount the stop-end formwork.

## Dokadek heads

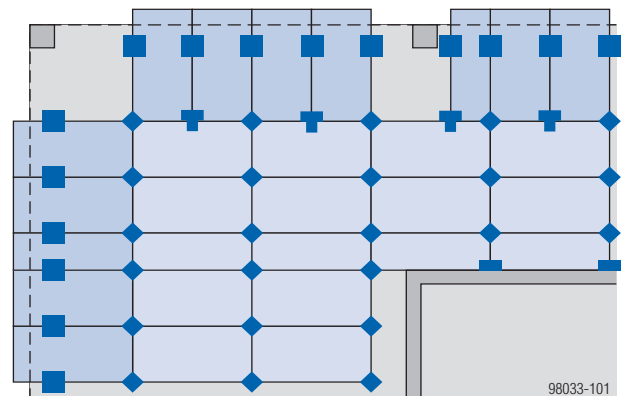


### WARNING

- ▶ The Dokadek heads must always be fixed to the floor prop with the correct pin (exception: edge heads at a panel joint).
- ▶ The edge head may only be fitted to the outside one-third point of the panel.



## Position of the Dokadek heads



**Legend**

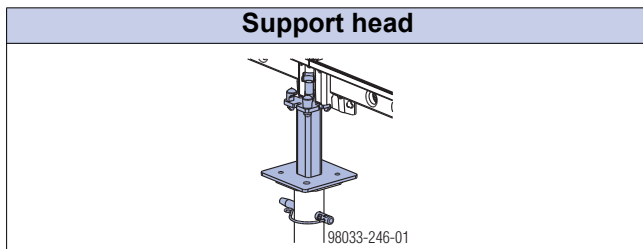
Support head	Edge head 18mm / 21mm / 27mm	Cross head	Wall head
1)	1) 2)	1)	

1) Spring locked connecting pin 16mm not included with product

2) Spring locked connecting pin 16mm only needed when the edge head is combined with an infill beam

**NOTICE**

- When placing the panels onto the heads, make sure that the panels are correctly fixed in the heads.
- Edge heads to which infill beams are mounted (in the infill zone) must be secured with Spring locked connecting pins 16mm.
- If a Dokadek panel 1.22x2.44m is to be connected, the cross head is fitted in the middle of the broadside of the panel.
- If a Dokadek panel 0.81x2.44m is to be connected, the cross head is fitted at the one-third point of the broadside of the panel.

**Installation examples**

Edge head	
Used at panel joint	Used with panel and infill beam

**A** Pin for fixing the edge head on the panel (included with product)

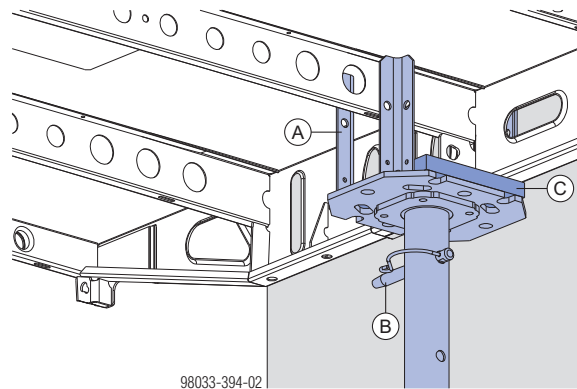
**Identification mark (D) on 'Edge head' to show matching sheet thickness**

Sheet thickness		
18 mm	21 mm	27 mm

Cross head	Wall head
Used on the broadside of the panel, at the one-third point or in the middle of the panel	

**Forming wall junctions**

In place of the relevant edge head at the one-third point of the panel, on wall junctions the 4-way head or Lowering head is used instead.



**A** 4-way head H20 or Lowering head H20

**B** Spring-locked connecting pin 16 mm

**C** Height compensation min. 21 mm (fix with nails)

## Securing the formwork against tip-over



### WARNING

- Before anybody steps onto the surface of the formwork, its stability must be ensured by e.g. wall clamps or lashing straps.
- Transfer of concreting loads must be ensured by other measures (e.g. by transferring these loads into the structure or using tie-backs).
- All cantilevered panels must be secured against overturning.



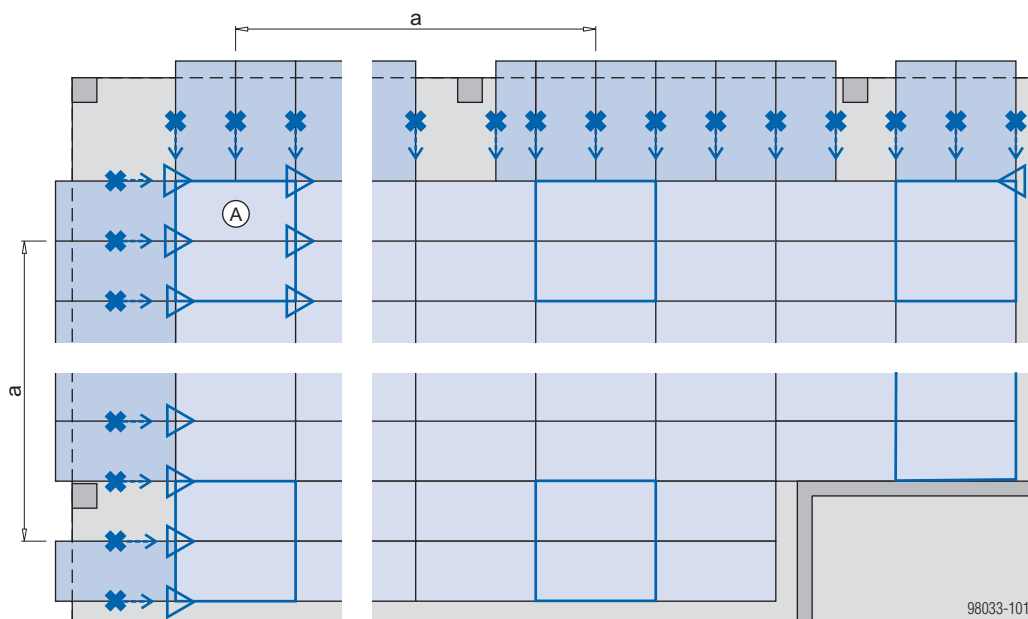
For more information on tie-backs with lashing straps, see the section headed 'Floor formwork around edges' in the 'Panel floor formwork Dokadek 30' User Information booklet and the 'Lashing strap 5.00m' User Information booklet.



### NOTICE

- Secure every floor prop in the 1st row of props with a Removable folding tripod.
  - Shoring height < 3.00 m: Removable folding tripod
  - Shoring height ≥ 3.00 m: Removable folding tripod 1.20m
- While the formwork is being set up, make a braced unit on the 1st pair of panels (with removable folding tripods), every max. 7.50 m and on the last pair of panels (without removable folding tripods) – see 'Practical examples 1 & 2'.
  - Alternatively, tie-backs can also be attached (see Practical example 3).
- Important to remember when mounting the floor prop (incl. cross head): in the typical zone, secure – with tripods – the props that have only 1 panel resting on them.
- Tie back the typical zones at the corners.
- Tie back cantilevering panels:
  - by the Scaffold tube 0.50m on every panel joint (see Practical example 5)
  - additionally, on the outside panels, by the middle bulkhead plate (see Practical example 6)

### Variant with braced unit



a ... braced unit on 1st pair of panels, every max. 7.50 m **and** on the final pair of panels

**A** Starting unit

### Legend



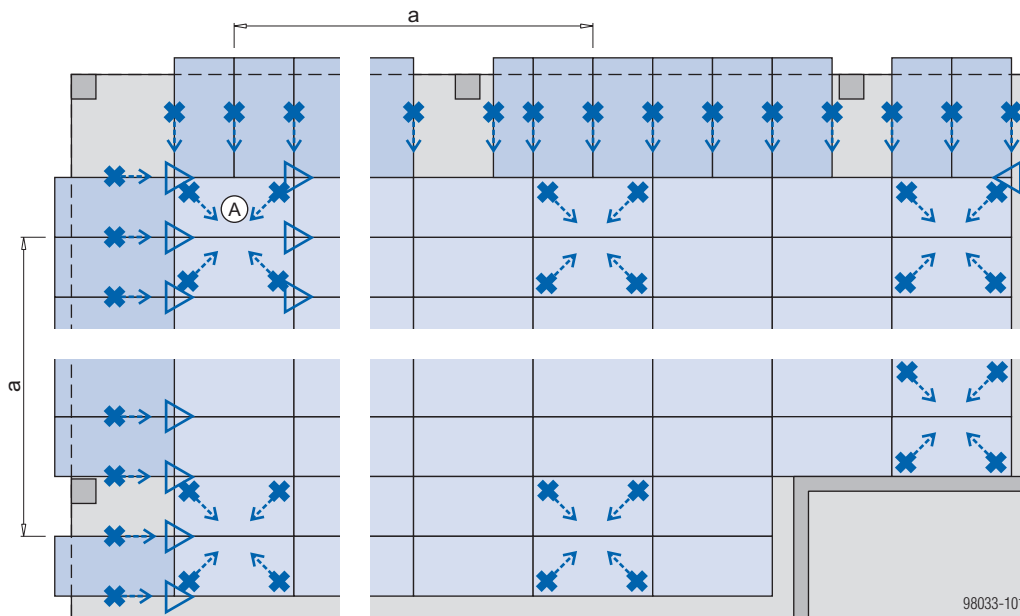
Removable folding tripod



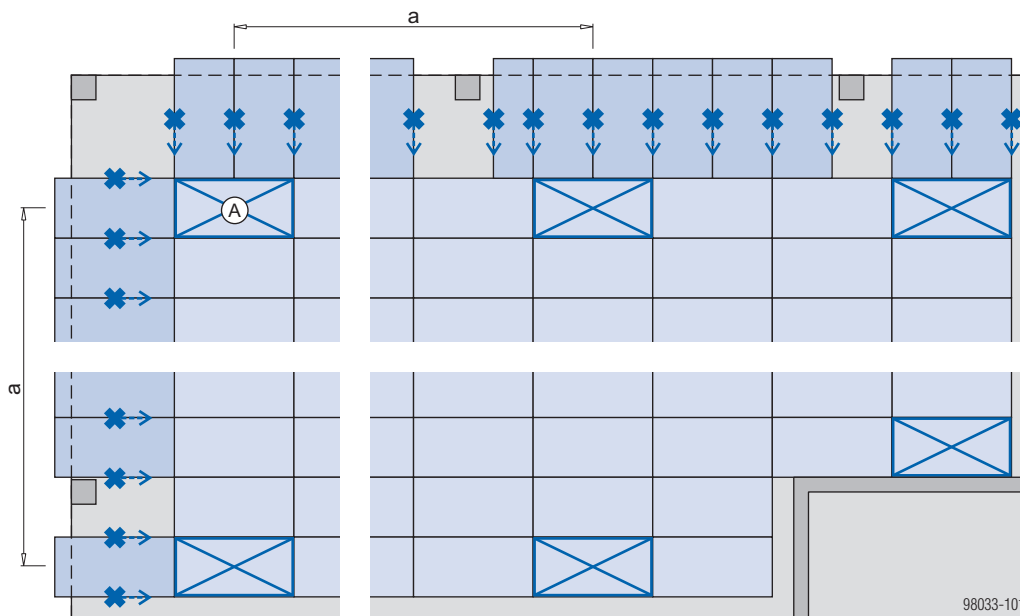
Fixing point (e.g. with tie-back)  
Arrow = direction of the tie-back



Braced unit

**Variant without braced unit**

a ... braced unit / tie-back on 1st pair of panels, every max. 7.50 m **and** on the final pair of panels

**Variant with Bracing frame Eurex**

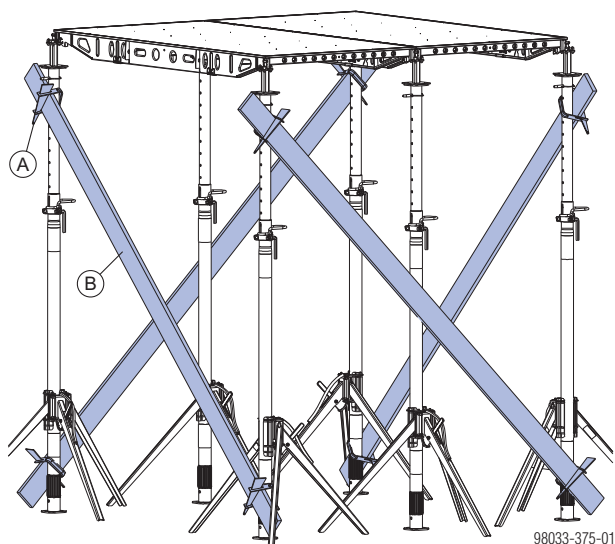
a ... braced unit with bracing frames Eurex on 1st pair of panels, every max. 7.50 m **and** on the final pair of panels

**A** Starting unit

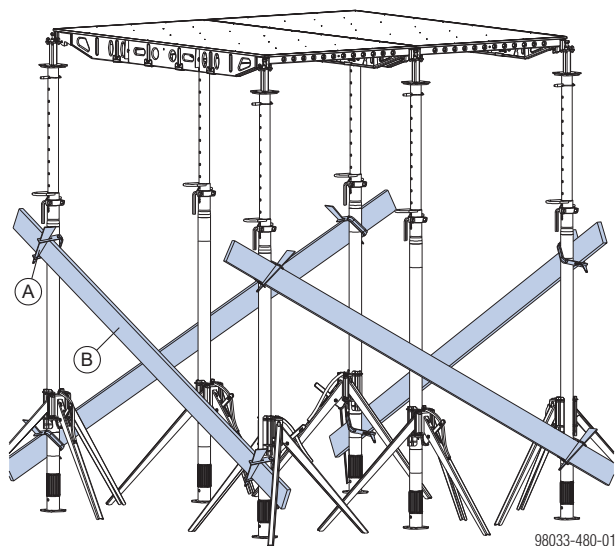
**Legend**

	Removable folding tripod
	Fixing point (e.g. with tie-back) Arrow = direction of the tie-back
	Braced unit
	Bracing frames Eurex with diagonal crosses

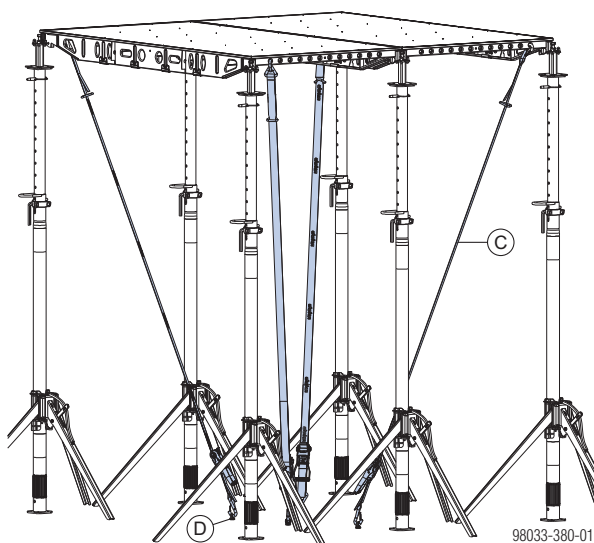
### Practical example 1 Braced unit on 1st pair of panels



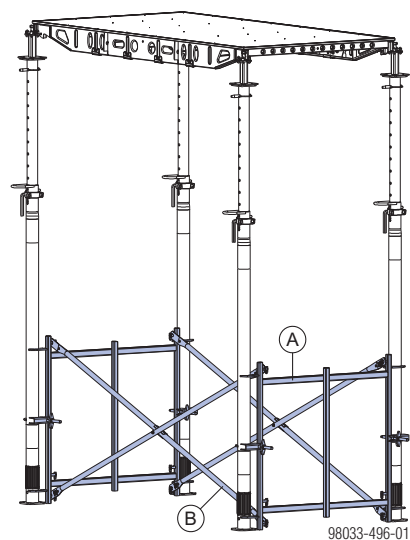
### Practical example 2 Alternative braced unit



### Practical example 3 Alternative tie-back



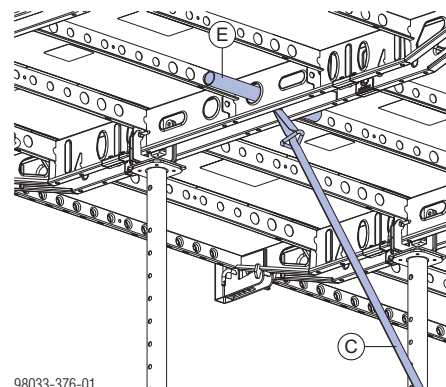
### Practical example 4 With bracing frame Eurex



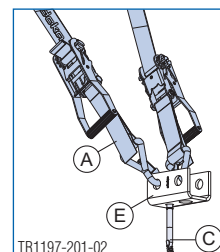
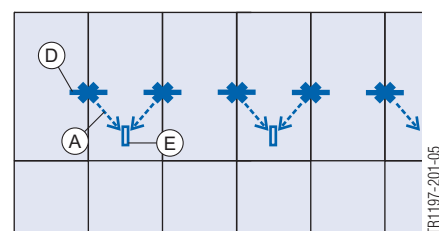
A Bracing frame Eurex

B Diagonal cross

### Practical example 5 Tie-back at panel joint



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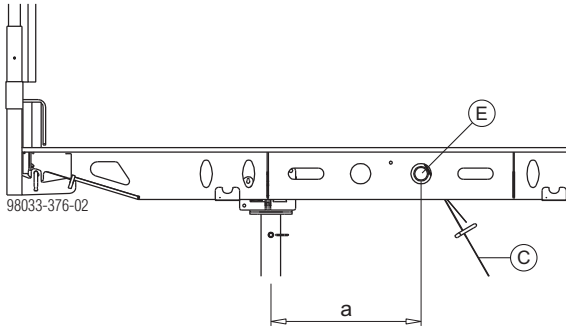


A Lashing strap 5.00m

C Doka express anchor 16x125mm

D Scaffold tube 48.3mm 0.50m

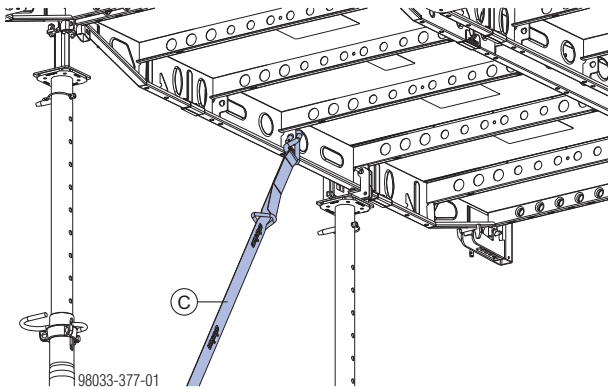
E Bracing shoe



a ... 50 cm

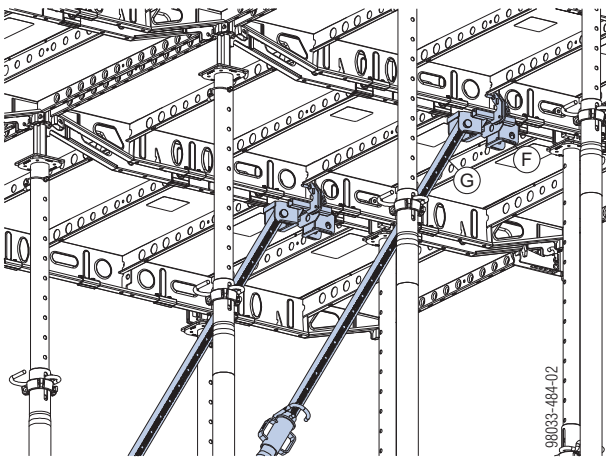
Permitted bracing force in longitudinal direction on the Scaffold tube 48.3mm 0.50m: 5 kN

#### Practical example 6 Tie-back in middle bulkhead plate



Permitted bracing force in longitudinal and transverse directions at the middle bulkhead plate: 5 kN

#### Practical example 7 Tie back at the inter-panel joint at the middle point with Dokadek plumbing strut connector



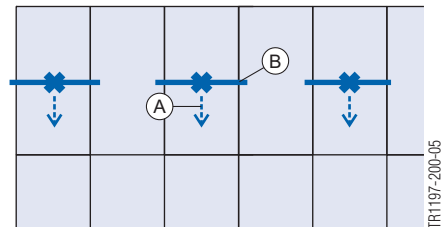
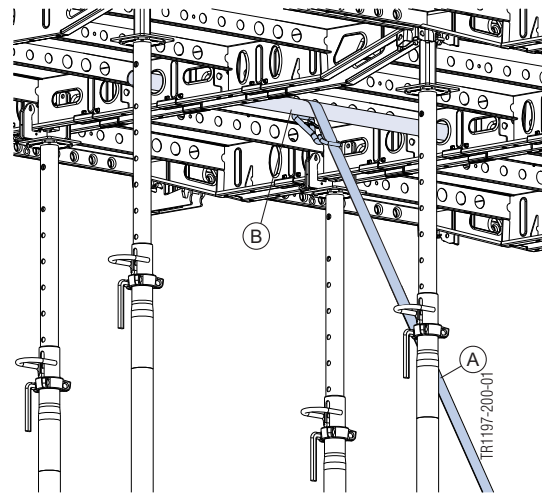
- A Bracing clamp B
- B Plank
- C Lashing strap 5.00m
- D Doka express anchor 16x125mm
- E Scaffold tube 48.3mm 0.50m
- F Dokadek plumbing strut connector
- G Plumbing strut 340 IB or 540 IB

Permitted compressive force: 13.5 kN  
Permitted tensile force: 5 kN



For details on use of the Dokadek plumbing strut connector see the section headed 'Sloping slabs' in the 'Panel floor formwork Dokadek 30' User Information booklet.

#### Practical example 8 Tie-back in middle of the panel



- A Lashing strap 5.00m
- B Scaffold tube 48.3mm 1.50m

Permitted bracing force in longitudinal direction on the Scaffold tube 48.3mm 1.50m: 3 kN

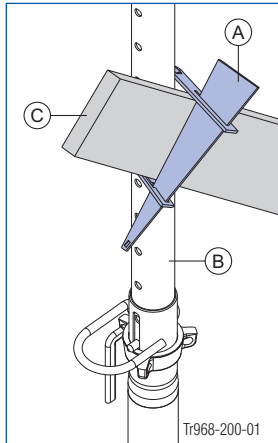
## Bracing clamp B

Planks can be attached to the floor props as diagonal braces, using the Bracing clamp B.



### NOTICE

- Only allowed to be used as a set-up aid.
- Not suitable for sustaining horizontal loads during pouring.
- Always hammer in the wedge from top to bottom!



**A** Bracing clamp B

**B** Doka floor prop Eurex 30

**C** Plank

### Possible plank/floor-prop combinations with the Bracing clamp B

Eurex 30 top	Plank											
	2.4 x 15		3 x 15		4 x 15		5 x 10		5 x 12		5 x 15	
	IT	OT	IT	OT	IT	OT	IT	OT	IT	OT	IT	OT
250	—	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓
300	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
350	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
400	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
450	✓	✓	✓	✓	✓	✓	✓	—	✓	—	✓	—
550	✓	✓	✓	✓	✓	—	✓	—	✓	—	—	—

#### Legend:

IT	Inner tube
OT	Outer tube
✓	Possible to combine
—	Not possible to combine



## FreeFalcon



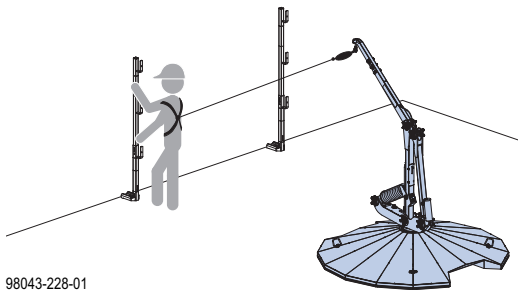
### WARNING

Risk of falling at open edges!

- Personnel must be trained to use personal fall-arrest systems (e.g. safety harness) until all fall protection has been installed.
- Suitable anchorage points must be defined by an approved person appointed by the contractor.



A fall arrester such as the FreeFalcon provides a mobile anchorage point for the safety harness.



User instruction prior to use of the FreeFalcon is mandatory. Follow the directions in the 'FreeFalcon' Operating Instructions.

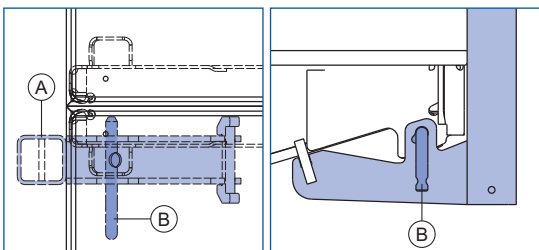
## Guardrail systems on the formwork



For more information on permitted influence width of the handrail-post shoe, see the section headed 'Floor formwork around edges' in the 'Panel floor formwork Dokadek 30' User Information booklet.

### Note:

The position of the Handrail-post shoe short is different from that in the standard installation configuration as described in the 'Floor formwork around edges' section of the 'Panel floor formwork Dokadek 30' User Information booklet.



**A** Dokadek handrail-post shoe short

**B** Bolt (vertical!)

## Fall-arrest systems on the structure

### Note:

When tilting up cantilevering panels, make sure that these do not collide with the guardrail system on the structure. Different minimum room heights are required, depending on the attachment method used.

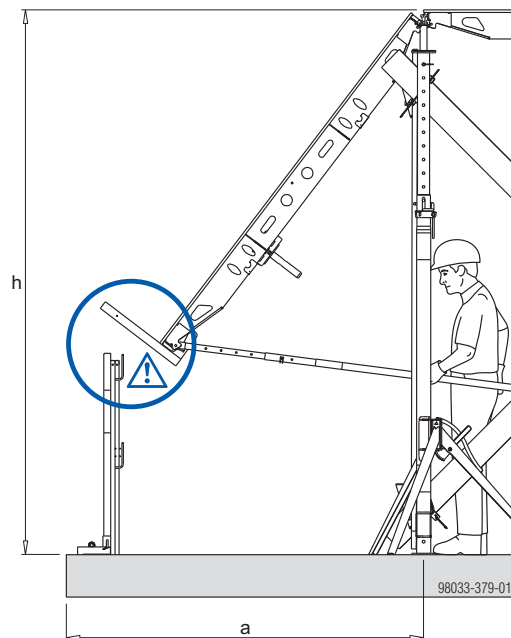
### Possible ranges of use with Edge protection system XP

Attachment method used	Min. room height 'h'
Handrail-post shoe XP	310 cm
Railing clamp XP 40cm	300 cm
Screw-on shoe XP	300 cm

### Note:

Always comply with the country-specific safety regulations! For lower room heights, the guardrail system can be temporarily removed and a personal fall-arrest system (PFAS) must be used instead (e.g. safety harness).

### Practical example



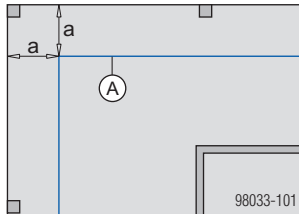
a ... 210 cm (checking is necessary for any other dimension than this!)



## Operating with Dokadek assembling tool

### Formwork set-up in the typical zone

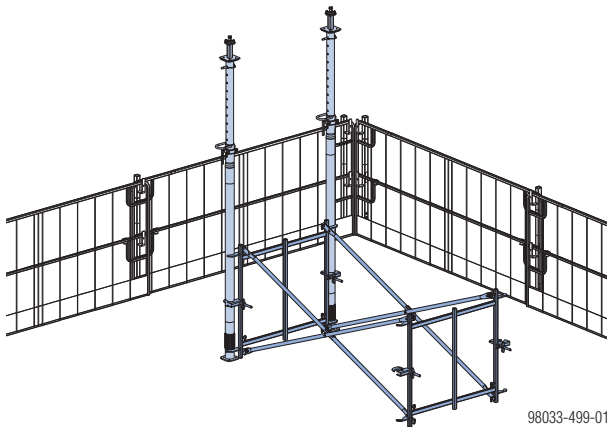
- Draw a vertical plan of the typical zone.



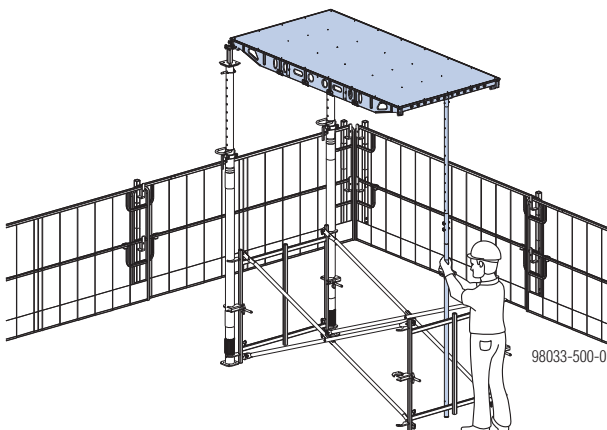
a ... 210 cm (checking is necessary for any other dimension than this!)

#### A Vertical plan

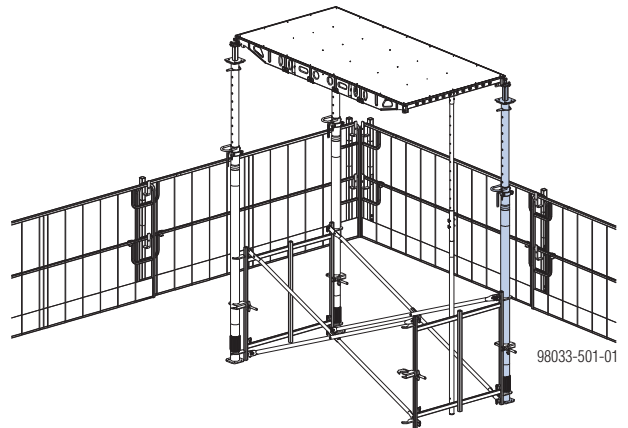
- Pre-assemble the unit consisting of bracing frames and diagonal crosses and set up the first two floor props (with support heads) at the appropriate positions.



- Engage the panel, raise the free end and support it with the assembling tool. Secure the assembling tool so that it cannot tip over.

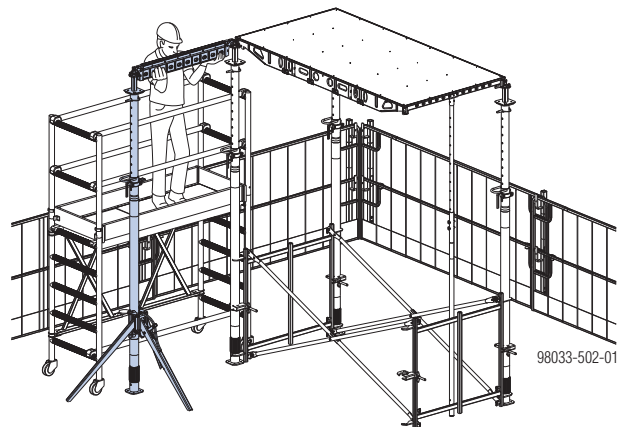


- Secure another floor prop (with support head) to the bracing frame with the quick-fixing mechanism. Assembling tool remains securely propped in position. Max. inclination of the assembling tool with respect to the perpendicular: 5°).



#### NOTICE

- Make sure that the Wheel-around scaffold DF has sufficient stability against overturning!
- When work is being carried out near drop-off edges (i.e. at a distance of < 2 m), the Wheel-around scaffold DF accessory set (consisting of a toeboard and intermediate guardrail) is needed.
- Working from a Wheel-around scaffold DF, put up the next floor prop (with a support head), secure it with a removable folding tripod and engage infill beams into the heads to fix the props the correct distance apart.

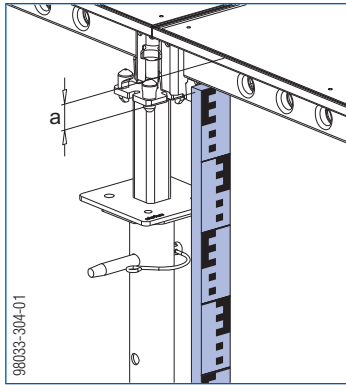


#### CAUTION

- When engaging and tilting up the panel, give the floor props additional fixing (i.e. as well as with the removable folding tripods) to prevent them tipping over.
- Set up further panels in the same way, until only the planned infill zone is left unformed. Assemble units consisting of bracing frames and diagonal crosses (see the section headed 'Securing the formwork against tip-over' in the 'Panel floor formwork Dokadek 30' User Information booklet).
- From now on, all the other rows of panels follow the standard set-up procedure.

## Levelling the typical zone

- Adjust the panels at the corners to the desired floor-slab height (= room height minus 6.5 cm, with reference to the frame cross-profile).



a ... 6.5 cm

## Securing the typical zone against tip-over

- See the section headed 'Ground rules'.

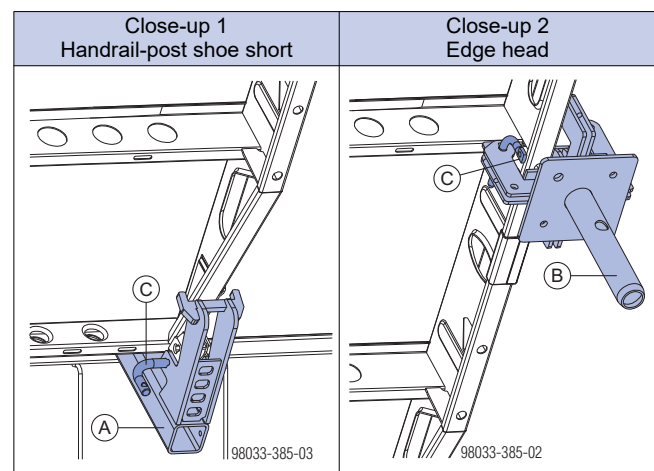
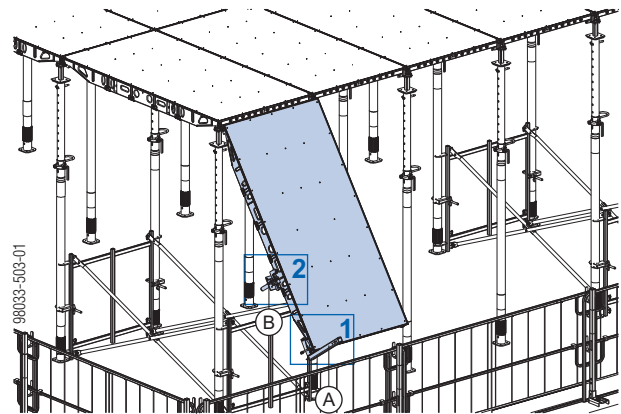
## Adding cantilevering panels

### Preparations

- Set at least **2 Dokadek assembling tools** to the required length (= approx. room height + 20 cm).
- Roughly adjust the height of the floor prop, using the fastening clamp (required length = room height minus 25 cm).
- Fit the cross head onto the floor prop and secure it with the pin.

### Adding to narrow side of standard panels

- Engage the cantilevering panel in the support heads.
- Mount a handrail-post shoe - short and an edge head.



**A** Dokadek handrail-post shoe short

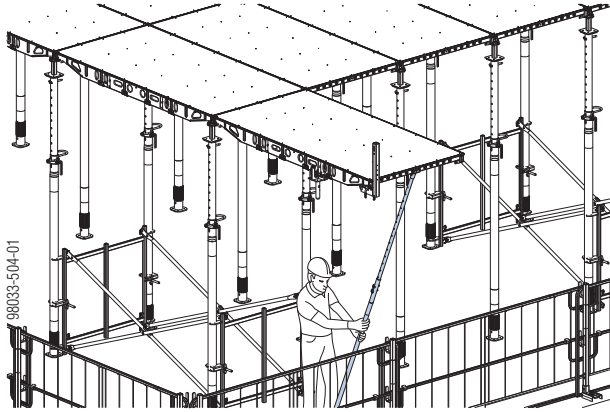
**B** Dokadek edge head

**C** Safety pin (vertical!)

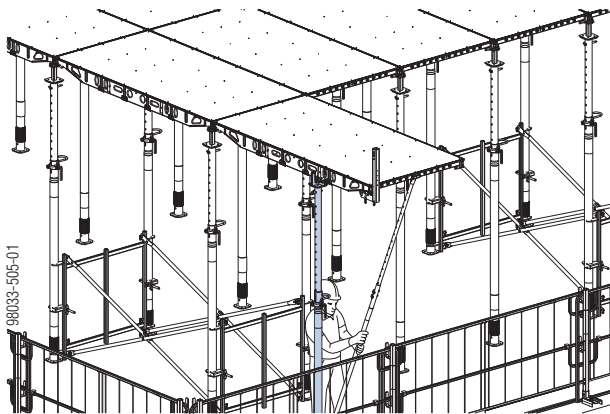
**WARNING**

➤ When putting up cantilevering panels, the assembling tool must always be held by one person to prevent it tipping over.

- Hook the assembling tool into the middle of the outside cross profile of the panel, raise the panel and secure the assembling tool so that it cannot tip over.

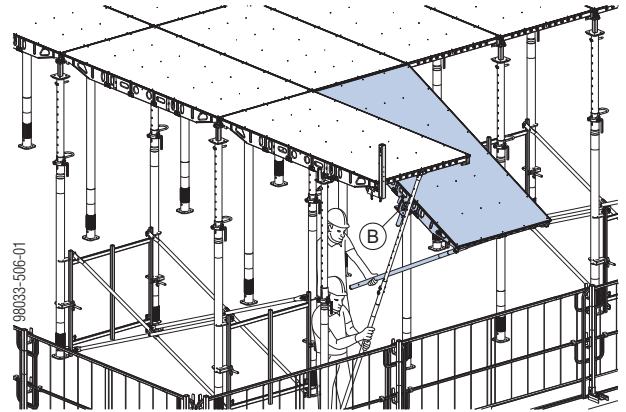
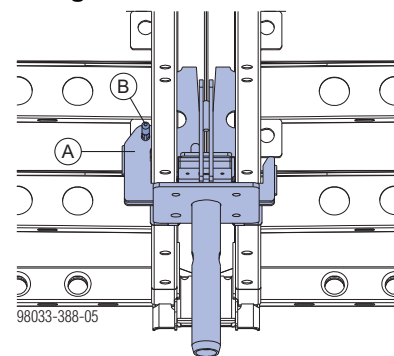


- Shore the panel by placing a floor prop under the edge head. Assembling tool remains securely propped in position.



- Engage the next panel.

- Mount the edge head and – if necessary – the Hand-rail-post shoe - short (will depend on the permitted influence width). Then tilt the panel up.

**Close-up of edge head**

**A** Dokadek edge head

**B** Safety pin (vertical!)

- Set up further panels in the same way, until only the planned infill zone is left unformed. In this case, however, an extra edge head is needed on the final panel.



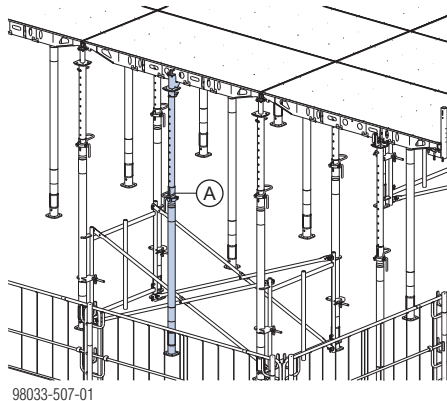
Dokadek panels 0.81x2.44m can be used to optimise the infill width around columns. The Dokadek panels 0.81x2.44m are mounted in the same way as the Dokadek panels 1.22x2.44m.

## Adding to broadside of standard panels

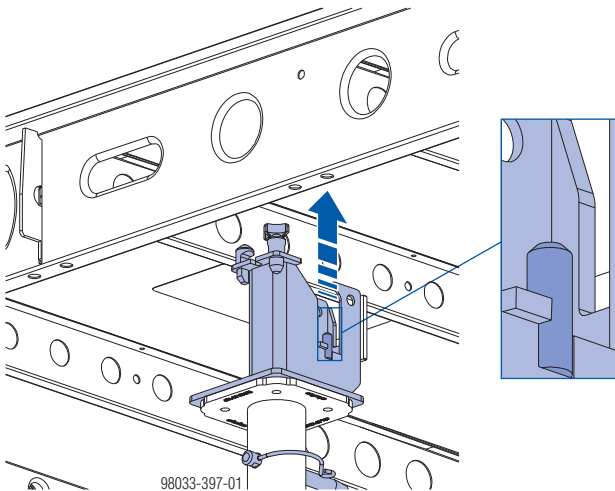


### NOTICE

- ▶ Props with a cross head should only be extended (by turning the adjusting nut) until the prop encounters resistance from above. The panel must not be raised.
- ▶ At the corners, use tripods to secure every floor prop where only 1 panel is resting on this prop's head.
- ▶ Shore the panels with floor props and cross heads at the required position.



**A** Doka floor prop with Dokadek cross head

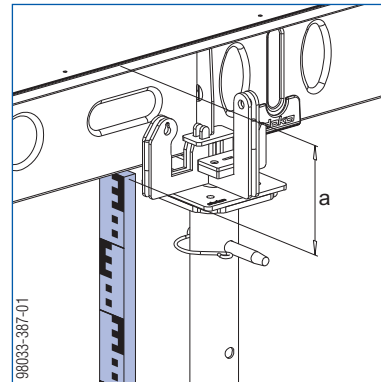


The pins of the cross head must be fitted into the two holes in the panel.

- ▶ All the other worksteps are the same as for adding cantilevering panels to the narrowsides of standard panels.

## Levelling cantilevering panels

- ▶ Adjust the panels above the floor prop to the desired floor-slab height (= room height minus 17.5 cm), with reference to the longitudinal profile.



a ... 17.5 cm

## Securing cantilevering panels against tip-over

- ▶ See the section headed 'Ground rules'.

## Mounting guardrail systems



For more information, see the 'Panel floor formwork Dokadek 30' User Information booklet.

## Mounting fillers

### Mounting fillers in the typical zone



For more information, see the 'Panel floor formwork Dokadek 30' User Information booklet.

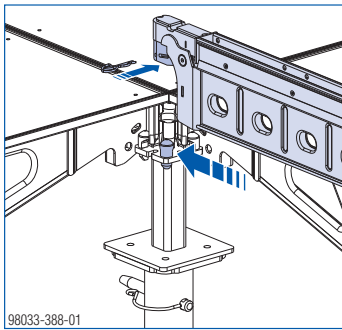
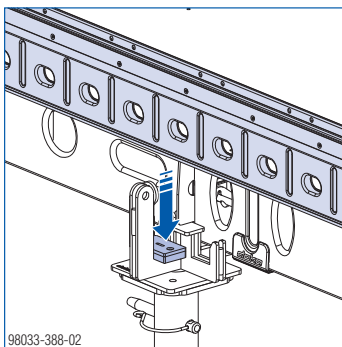
### Mounting fillers between the cantilevering panels

- In order to be able to transfer the horizontal forces, the superstructure components must be firmly attached to one another.
- The tie-down can be fastened to either the secondary or primary beam.

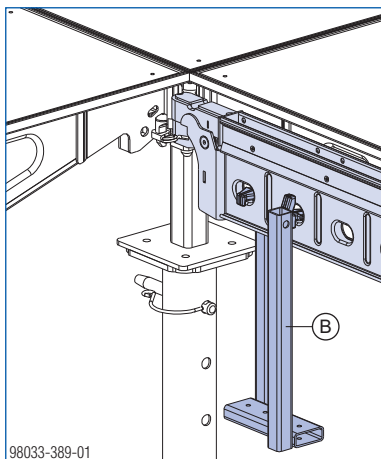
**WARNING**

- Secure cantilevering slab formwork to prevent lift-out and tipover.
- Secondary beams with stop-end formwork must be secured against horizontal pull-out.
- In addition, if necessary, put up a protection platform on the structure (e.g. Folding platform K).

- Engage an infill beam 2.44m into the heads (cheek plate at top), and secure with spring cotter.

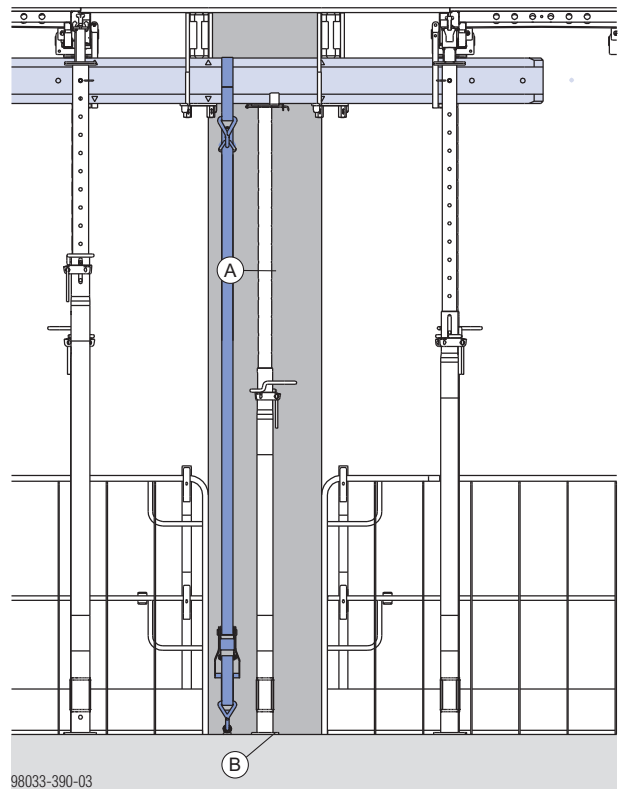
**Position on support head****Position on edge head**

- Hook 4 suspension clamps into the infill beam, as close as possible to each floor prop.

**B** Dokadek suspension clamp H20

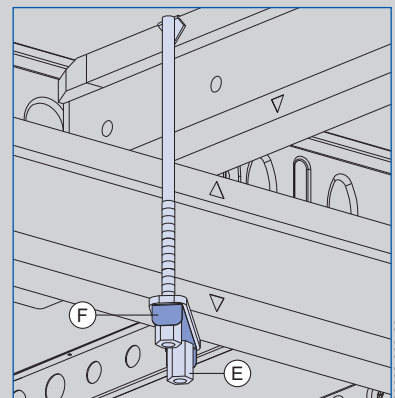
- Fit 2 Doka beams H20 into the suspension clamps, to serve as primary beams.

- Tie back each primary beam in the vertical with a lashing strap.

**A** Lashing strap 5.00m**B** Doka express anchor 16x125mm**CAUTION**

There is a risk of the hexagon nuts working loose on the Brace stirrup 8.

- Fix the hexagon nuts on the Brace stirrup 8 with a **Safety plate for brace stirrup 8**.



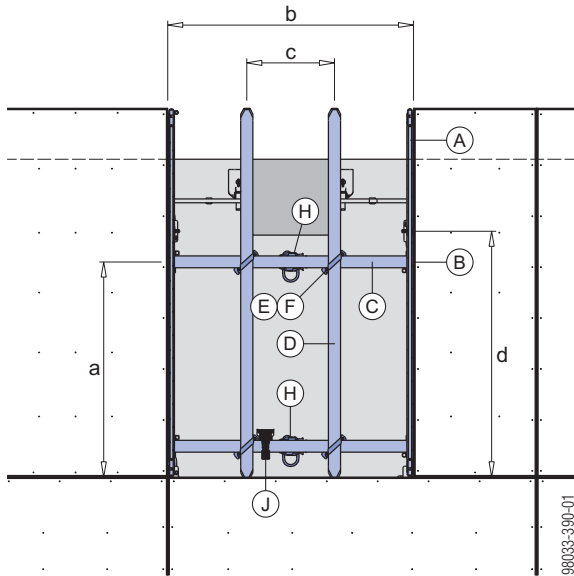
Always bend the anti-twisting plate over the flat side of the hexagon nut.

Use each anti-twisting plate once only.

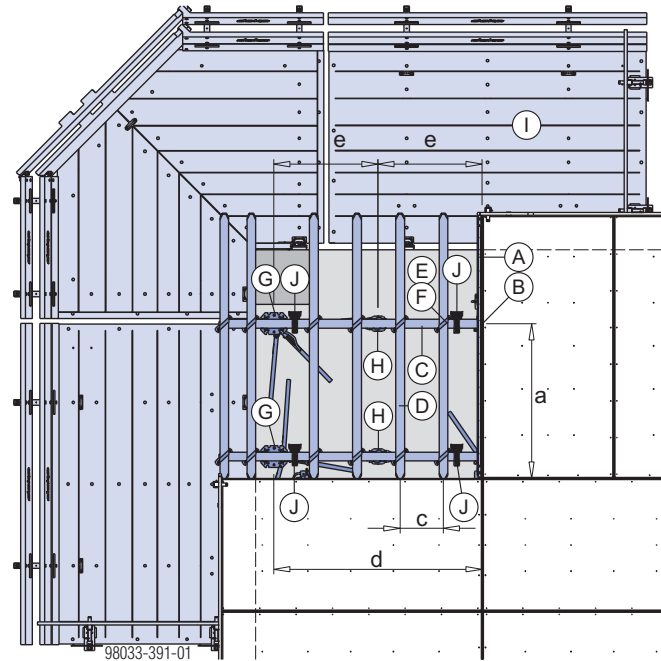
- Mount Doka beams H20 as secondary beams and fix them with Brace stirrups 8.
- Mount the fillers.

## Practical examples

### Infilling between cantilevering panels



### Infilling at corner of building



### Permissible dimensions [cm]

Max. slab thickness	32	45
Dokadek panel	1.22x2.44m	0.81x2.44m
a (position of outside primary beam)	$\geq 142$	
b (max. infill width <b>without</b> centred additional prop)	$\leq 122$	$\leq 81.3$
b (max. infill width <b>with</b> 1 centred additional prop)	$\leq 184$	$\leq 81.3$
c (max. secondary-beam spacing)	50	30
d (position of floor prop with edge head)	163	
e (max. spacing of props)	96.5 (with 1 centred additional prop)	64 (with 2 additional props at one-third point)

**A** Dokadek infill beam 2.44m

**B** Dokadek suspension clamp H20

**C** Doka beam H20 as primary beam

**D** Doka beam H20 as secondary beam (e.g. 2.45m)

**E** Brace stirrup 8

**F** Safety plate

**G** Floor prop Eurex 30 top  
Removable folding tripod  
Lowering head H20

**H** Floor prop Eurex 30 top and Supporting head H20 DF

**I** Protection platform, e.g. folding platform

**J** Lashing strap 5.00m



#### NOTICE

Put up the intermediate props so that they force-fit. It is not allowed to make some props higher than others!

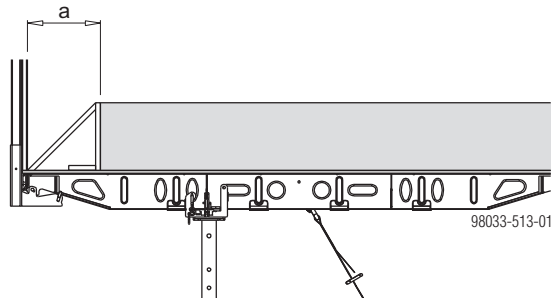
## Pouring



### WARNING

Ensure correct direction of pouring!

- Always work outwards from the middle of the building towards the edge of the slab when pouring.



a ... 20 to 30 cm



### NOTICE

Use of Dokadek panels 1.22x1.22m and 0.81x1.22m at structure edge not permitted.

### Permitted slab thickness [cm]<sup>1)</sup>

Panel size	Without additional precautions	With additional precautions <sup>2)</sup>	Flatness deviation as per DIN 18202, Table 3
1.22x2.44m	30	—	Line 6
1.22x2.44m	> 30 - 35	—	Line 5
1.22x2.44m	—	> 30 - 50	Line 6
1.22x1.22m	35	> 30 - 50	Line 5
0.81x2.44m	45	—	Line 6
0.81x2.44m	> 45 - 50	—	Line 5
0.81x2.44m	—	> 45 - 50	Line 6
0.81x1.22m	50	—	Line 6

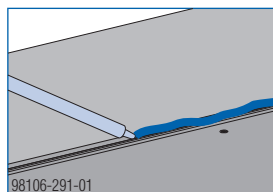
<sup>1)</sup> when using Doka floor prop Eurex 30 top

<sup>2)</sup> see the section headed 'Additional precautions for slab thicknesses of up to 50 cm'.

To protect the surface of the form-facing, we recommend using a vibrator with a protective rubber cap.



PU foam (e.g. Hilti CF-FW 500 or Würth UNI PUR) can be used to seal any gaps between the formwork and the walls.



## Stripping the formwork



### NOTICE

- Comply with the stipulated stripping times.
- Always strip out the formwork in reverse order.
- Observe the following sections in the 'Panel floor formwork Dokadek 30' User Information booklet.
  - 'Reshoring props, concrete technology and stripping'
  - If necessary, 'Additional precautions for slab thicknesses of up to 50 cm'.



## Operating with DekLift 4.50m

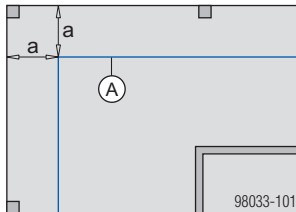
### Formwork set-up in the typical zone



#### NOTICE

- The procedure for setting up the formwork in the typical zone is the same as in the standard set-up procedure (see the section headed 'Instructions for Assembly and Use' in the 'Panel floor formwork Dokadek 30' User Information booklet), with the exception of the 1st panels.

- Draw a vertical plan of the typical zone.



a ... 210 cm (checking is necessary for any other dimension than this!)

#### A Vertical plan

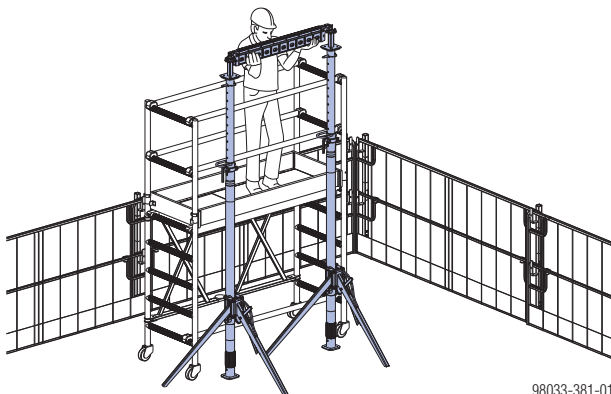
- Put up the first two floor props (each with a support head) in the planned position, and secure them with removable folding tripods.



#### NOTICE

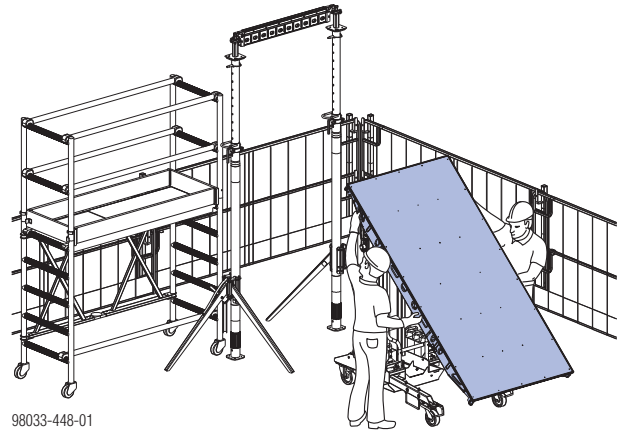
- When work is being carried out near drop-off edges (i.e. at a distance of < 2 m), the Wheel-around scaffold DF accessory set (consisting of a toeboard and intermediate guardrail) is needed.

- Working from a Wheel-around scaffold DF, engage an infill beam into the heads, to fix the props the correct distance apart. When doing this, ensure that the Wheel-around scaffold DF has sufficient stability against overturning!

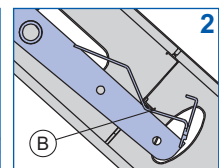
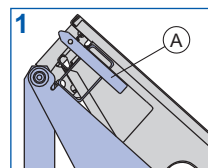
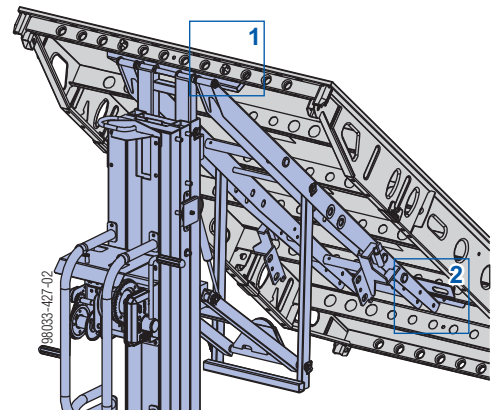


#### CAUTION

- When engaging and tilting up the panel, give the floor props additional fixing (i.e. as well as with the removable folding tripods) to prevent them tipping over.
- Place the panel down centrally on the DekLift and wheel it to the usage location.



Check to make sure that the panel is properly engaged in the locating pins (A) and locating brackets (B) on the DekLift (wind lift-out protection).



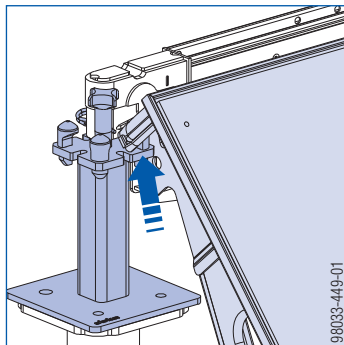


- Turn the crank-handle of the DekLift to raise the panel and hook it into the heads.

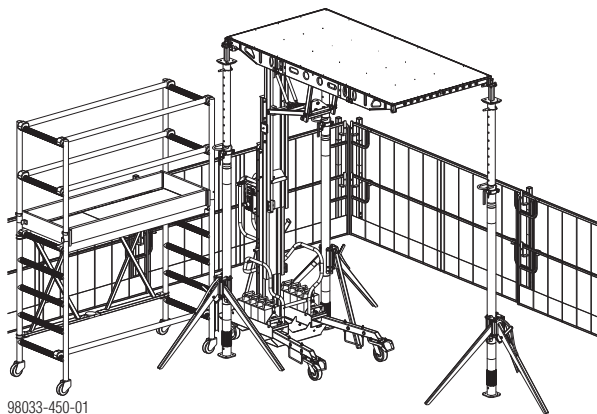


Make sure that the panel is correctly fitted onto the pins of both heads.

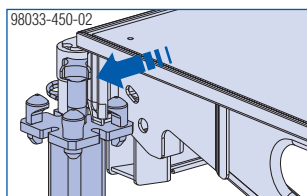
#### Support head



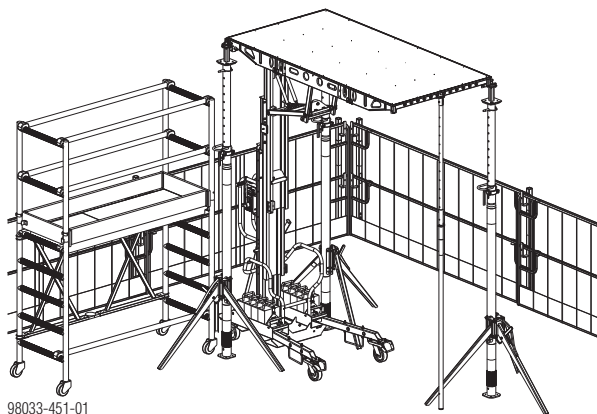
- Tilt up the panel with the DekLift and place a floor prop (incl. head) beneath it. Secure the floor prop with a Removable folding tripod.



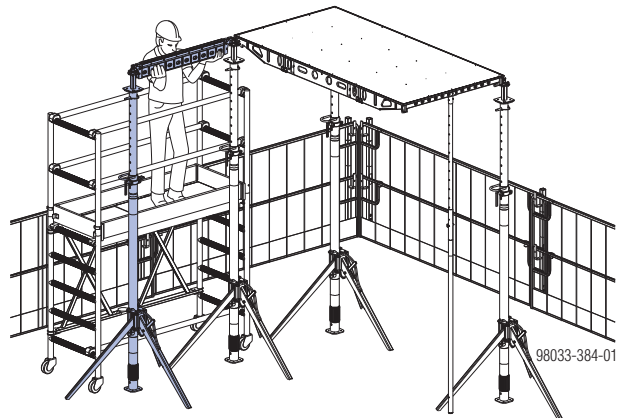
Make sure that the panel is correctly fitted onto the pin of the head.



- Place an assembling tool beneath the panel and secure the assembling tool so that it cannot tip over. Max. inclination of the assembling tool with respect to the perpendicular: 5°)



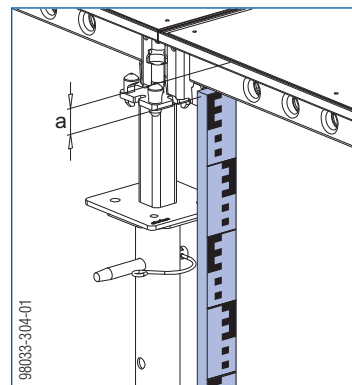
- Remove the infill beam.
- Put up the next floor prop (with a support head), secure it with a removable folding tripod and engage infill beams into the heads to fix the props the correct distance apart.



- Set up further panels in the same way, until only the planned infill zone is left unformed. Prepare braced units (see the section headed 'Securing the form-work against tip-over')
- From now on, all the other rows of panels follow the standard set-up procedure.

#### Levelling the typical zone

- Adjust the panels at the corners to the desired floor-slab height (= room height minus 6.5 cm, with reference to the frame cross-profile).



a ... 6.5 cm

#### Securing the typical zone against tip-over

- See the section headed 'Ground rules'.

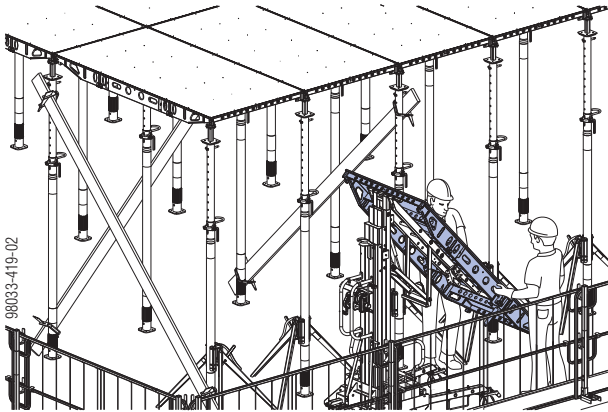
#### Adding cantilevering panels

##### Preparations

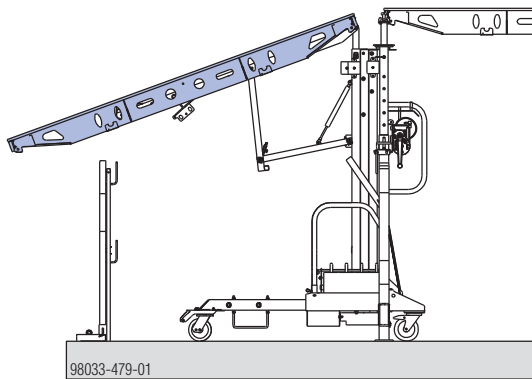
- Set at least **2 Dokadek assembling tools** to the required length (= approx. room height + 20 cm).
- Roughly adjust the height of the floor prop, using the fastening clamp (required length = room height minus 25 cm).
- Fit the cross head onto the floor prop and secure it with the pin.

## Adding to narrowside of standard panels

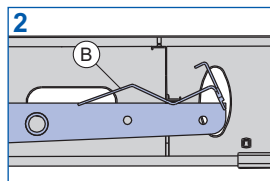
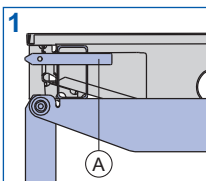
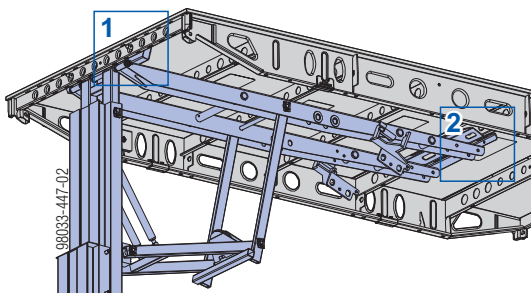
- Place the panel down centrally on the DekLift.



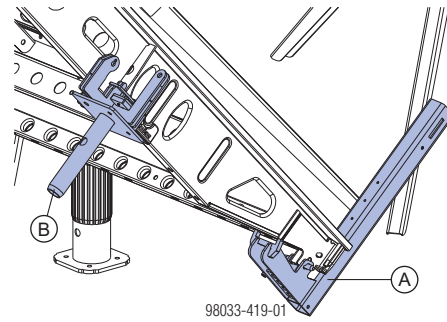
- To make it easier to reposition the DekLift, one bracing plank may briefly be dis-mounted.
- For lower room heights, the panel can be tilted-up sufficiently far to avoid collision with the guardrail system (see also 'Guard-rail systems on the structure' in the section headed 'Ground rules').



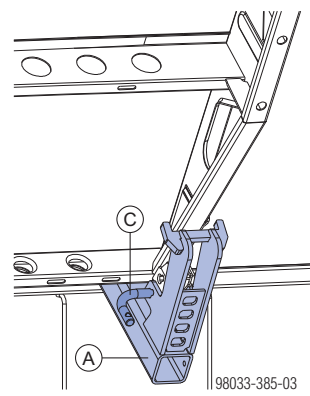
Check to make sure that the panel is properly engaged in the locating pins (**A**) and locating brackets (**B**) on the DekLift (wind lift-out protection).



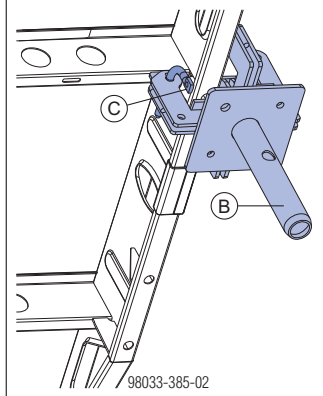
- Mount a handrail-post shoe short and an edge head.



Close-up of Handrail-post shoe short



Close-up of edge head



**A** Dokadek handrail-post shoe short

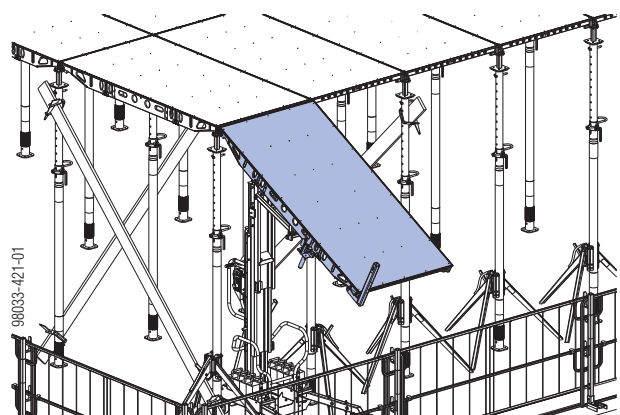
**B** Dokadek edge head

**C** Safety pin (vertical!)

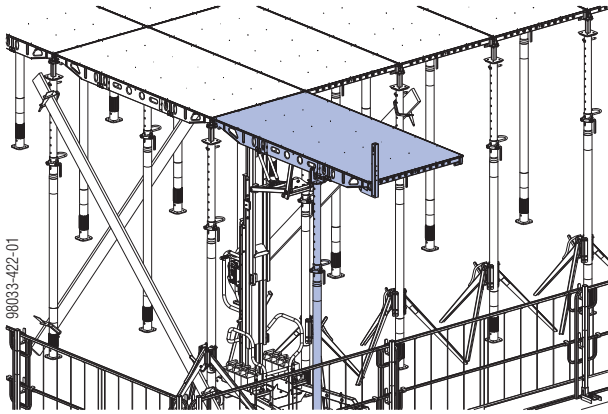


### WARNING

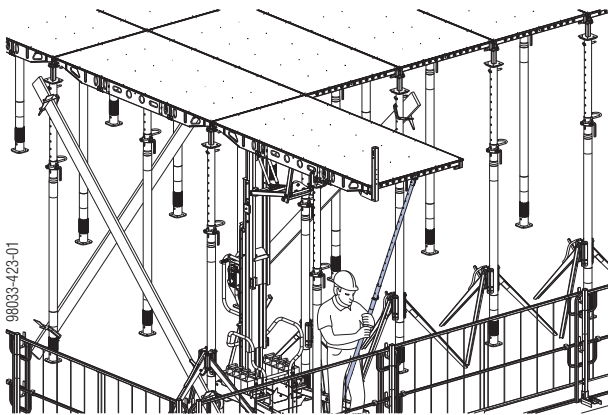
- When putting up cantilevering panels, the assembling tools must always be held by one person to prevent it tipping over.
- Position the DekLift, crank up the panel to the desired height and engage it in the heads.



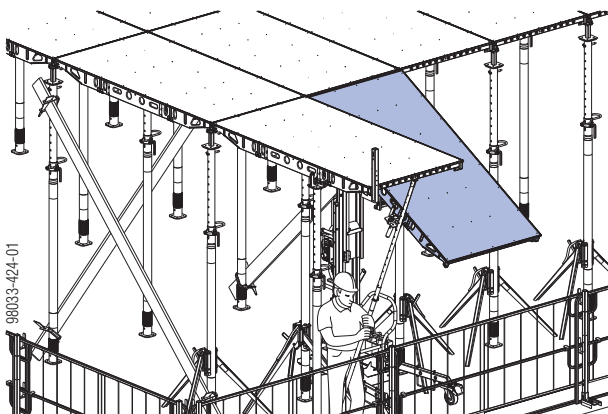
- ▶ Tilt the panel up and support it by placing a floor prop under the edge head.



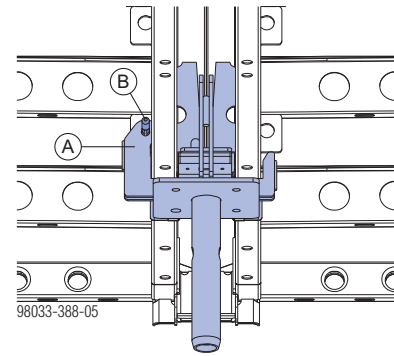
- ▶ Support the panel by fitting an assembling tool under the middle of the outside cross profile, and secure the assembling tool so that it cannot tip over.



- ▶ In the same way, use the DekLift to put up the next panels until only the planned infill zone is left unformed. However, an extra edge head is needed on the last panel (mount a Handrail-post shoe short as necessitated by the permitted influence width).



### Close-up of edge head



A Dokadek edge head

B Safety pin (vertical!)



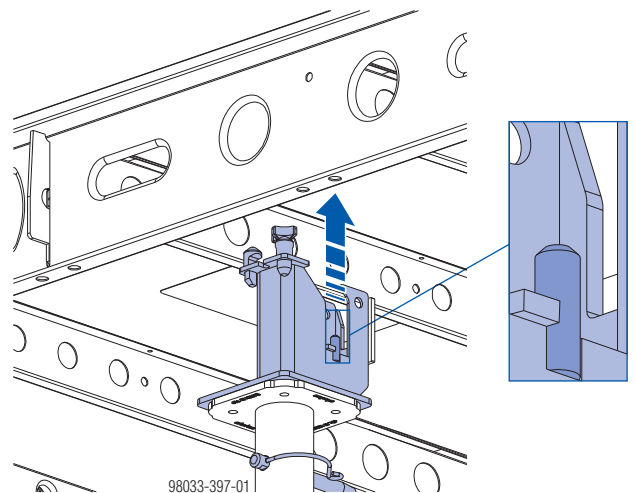
Dokadek panels 0.81x2.44m can be used to optimise the infill width around columns. The Dokadek panels 0.81x2.44m are mounted in the same way as the Dokadek panels 1.22x2.44m.

### Adding to broadside of standard panels



#### NOTICE

- ▶ Props with a cross head should only be extended (by turning the adjusting nut) until the prop encounters resistance from above. The panel must not be raised.
- ▶ At the corners, use tripods to secure every floor prop where only 1 panel is resting on this prop's head.
- ▶ Shore the panels with floor props and cross heads at the required position.



The pins of the cross head must be fitted into the two holes in the panel.

- ▶ All the other worksteps are the same as for adding cantilevering panels to the narrowsides of standard panels.
- ▶ For details on all other worksteps, see the section headed 'Operating with assembling tool'.

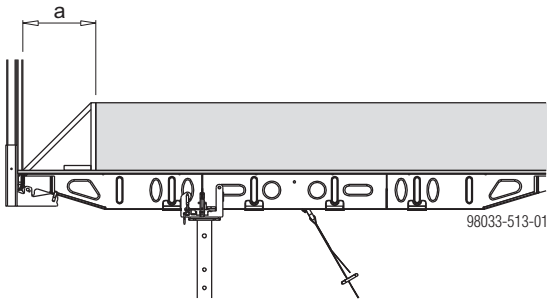
## Pouring



### WARNING

Ensure correct direction of pouring!

- ▶ Always work outwards from the middle of the building towards the edge of the slab when pouring.



a ... 20 to 30 cm



### NOTICE

Use of Dokadek panels 1.22x1.22m and 0.81x1.22m at structure edge not permitted.

### Permitted slab thickness [cm]<sup>1)</sup>

Panel size	Without additional precautions	With additional precautions <sup>2)</sup>	Flatness deviation as per DIN 18202, Table 3
1.22x2.44m	30	—	Line 6
1.22x2.44m	> 30 - 35	—	Line 5
1.22x2.44m	—	> 30 - 50	Line 6
1.22x1.22m	35	> 30 - 50	Line 5
0.81x2.44m	45	—	Line 6
0.81x2.44m	> 45 - 50	—	Line 5
0.81x2.44m	—	> 45 - 50	Line 6
0.81x1.22m	50	—	Line 6

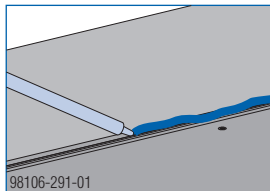
<sup>1)</sup> when using Doka floor prop Eurex 30 top

<sup>2)</sup> see the section headed 'Additional precautions for slab thicknesses of up to 50 cm'.

To protect the surface of the form-facing, we recommend using a vibrator with a protective rubber cap.



PU foam (e.g. Hilti CF-FW 500 or Würth UNI PUR) can be used to seal any gaps between the formwork and the walls.



## Stripping the formwork



### NOTICE

- Comply with the stipulated stripping times.
- Always strip out the formwork in reverse order.
- Observe the following sections in the 'Panel floor formwork Dokadek 30' User Information booklet.
  - 'Reshoring props, concrete technology and stripping'
  - If necessary, 'Additional precautions for slab thicknesses of up to 50 cm'.

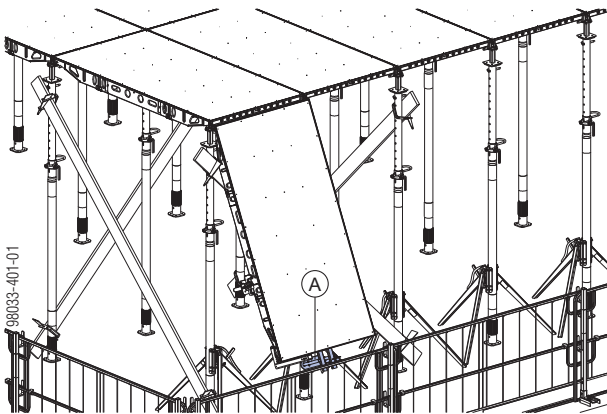
## Additional precautions for slab thicknesses of up to 50 cm

### Mounting additional shores (at the structure edge)

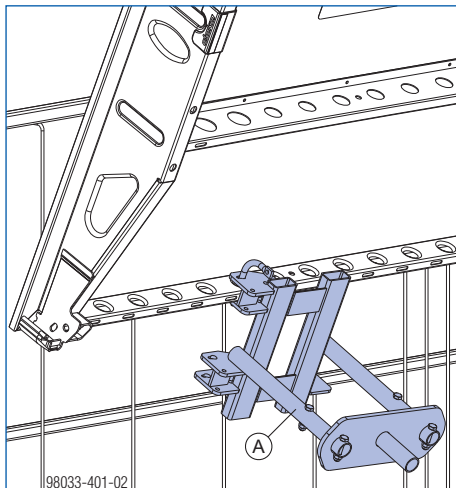


For more information on assembly in the typical zone see the section headed 'Mounting additional shores' in the 'Panel floor formwork Dokadek 30' User Information booklet.

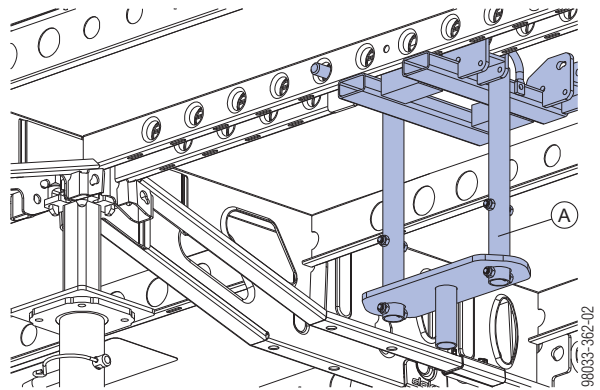
- After the panel has been engaged in the support heads, fit the front timber beam seat H20 to the middle of its end cross profile.



### Close-up of timber beam seat H20



- After the panel has been tilted up and shored, fit the rear timber beam seat H20 to the middle of the other end cross profile, using e.g. a Platform stairway 0.97m.

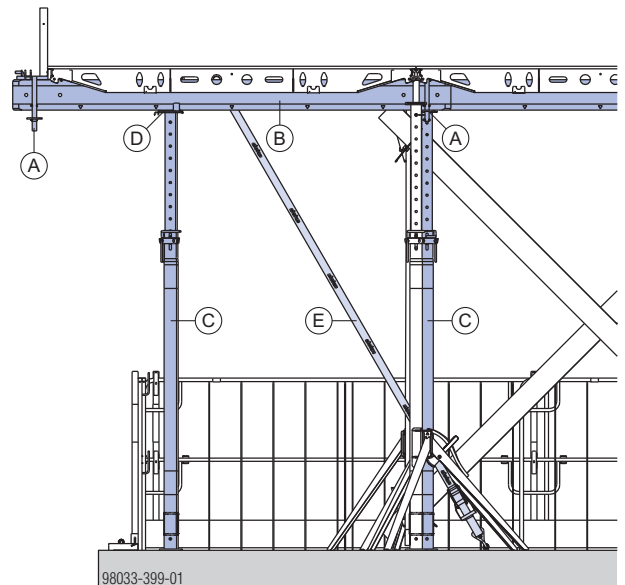


- Insert a Doka beam H20 so that it rests in the middle of the timber beam seats H20.



#### NOTICE

- Only extend the floor props until they encounter resistance from above. The panel must not be raised.
- Fit a floor prop into the rear Timber beam seat H20, and adjust it.
- Place a floor prop plus Supporting head H20 under the Doka beam H20 at the outer one-third point of the panel.



- A Timber beam seat H20
- B Doka beam H20
- C Doka floor prop Eurex 30 top
- D Supporting head H20
- E Tie-back



## Stripping the formwork



### NOTICE

- Comply with the stipulated stripping times.
- Always strip out the formwork in reverse order.
- As well as the instructions given here, you must follow the instructions in the section headed 'Reshoring props, concrete technology and stripping out'.

On slabs with thicknesses of between 30 cm and 50 cm, early removal of all the extra shores from the typical zone is permitted even in cases where service loads and live loads are present. The resulting prop loads are of max. 40 kN per prop, which is permissible for temporary reshores.

Minimum concrete strength required before the extra shores are removed: C8/10

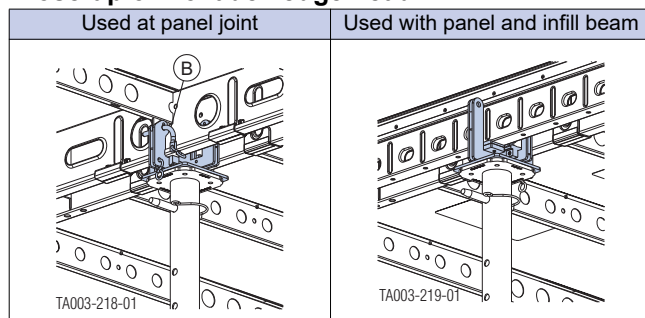
## Variant 2 - Propping of the cantilevering panels at the middle point

### Operating with assembling tool and personal fall-arrest system

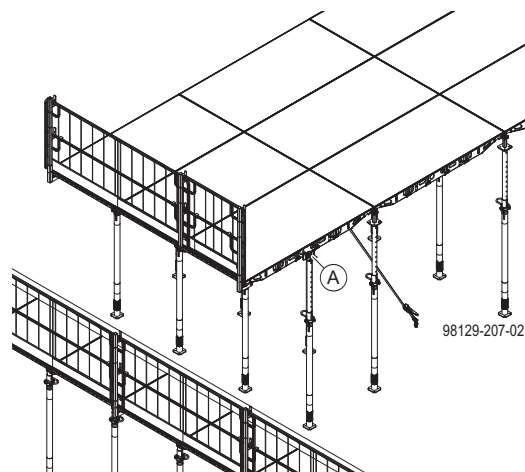
#### Ground rules

The Dokadek edge head is used for making a platform up to 1.0 m wide at the building edge with cantilevered Dokadek panels. In this configuration the Dokadek edge head supports the Dokadek panel at the middle, not at the one-third point.

#### Close-up of Dokadek edge head



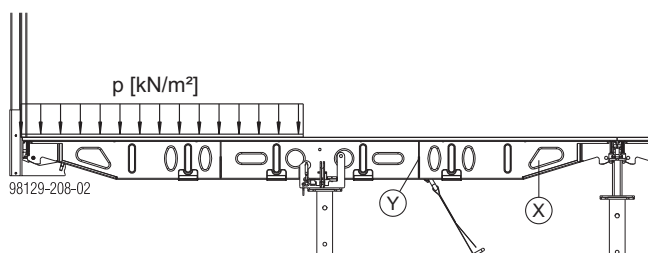
#### Practical example



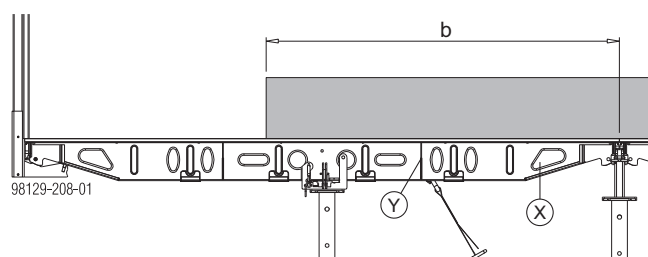
**A** Dokadek edge head

**B** Pin for fixing the edge head on the panel (included with product)

#### Permitted platform load $p$ [kN/m<sup>2</sup>] on cantilevered panel (see table)



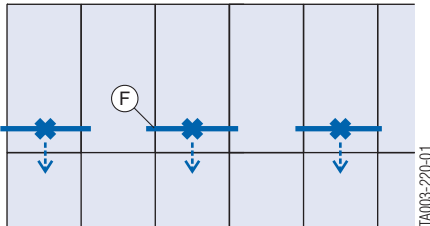
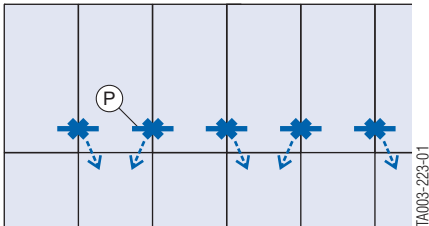
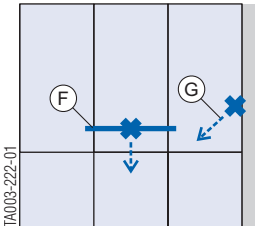
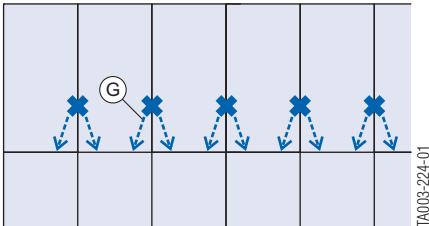
#### Permitted concrete load on cantilevered panel



$b$  ... max. 140 cm

**X** 1st grip hole

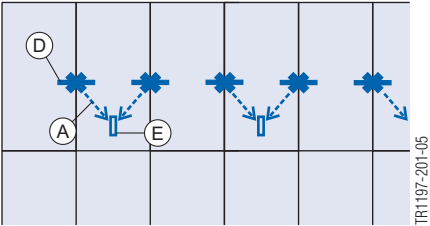
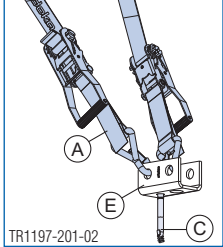
**Y** Bulkhead plate at one-third point

Variant 1		Variant 2	
Load Class 1. as defined in EN 12811		Load Class 2. as defined in EN 12811	
Permitted platform load $p \leq 0,75 \text{ kN/m}^2$		Permitted platform load $p \leq 1.50 \text{ kN/m}^2$	
Attachment to grip hole	<p>In this configuration, a scaffold tube 1.50m has to be tied back from the 1st grip hole in every second panel. Make sure that each scaffold tube is correctly positioned: The scaffold tube has to tie back the adjacent panel as well.</p> 	<p>In this configuration a tie-back is required in the form of a scaffold tube 1.50m or a short tie rod 20.0 in the 1st grip hole at every joint between two panels. Make sure that the lashing straps are installed to left and right alternately.</p> 	Max. back-stay force: 3.00 kN
Attachment to bulk-head plate	<p>If necessary (for example close to the wall), the panel can also be tied back by means of the bulkhead plate at the one-third point.</p> 	<p>Alternatively, each panel can also be tied back twice by means of the bulkhead plate at the one-third point.</p> 	Max. back-stay force: 5.00 kN

**F** Scaffold tube 48.3mm 1.50m

**G** Lashing strap 5.00m

**P** Tie rod 20.0 or Scaffold tube 48.3mm 0.50m

Variant 3	
Load Class 2. as defined in EN 12811	
Permitted platform load $p \leq 0,75 \text{ kN/m}^2$	
Attachment at the middle point	<p>This variant requires a tie-back at every panel, with the tie-back looped round the Scaffold tube 0.50m at the middle point. The scaffold tubes can be tied back in pairs with lashing straps and anchored in bracing shoes.</p>  
	Max. back-stay force: 5.00 kN

**A** Lashing strap 5.00m

**C** Doka express anchor 16x125mm

**D** Scaffold tube 48.3mm 0.50m

**E** Bracing shoe

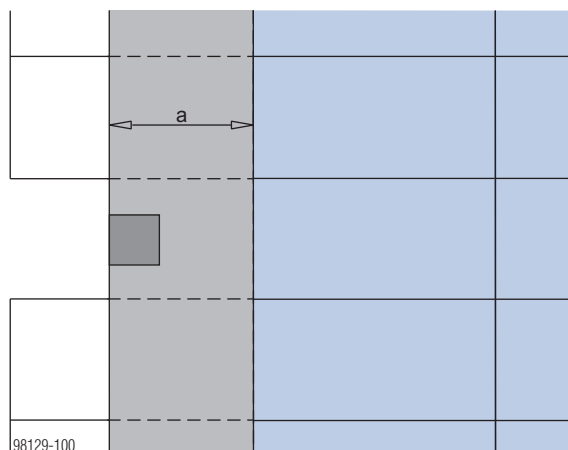


**Permitted slab thickness [cm] without additional precautions**

Panel size	Permitted slab thickness	Deflection as defined by DIN 18202
1.22x2.44m	30	Line 6
1.22x2.44m	> 30 - 32	Line 5
1.22x1.22m	32	Line 5
0.81x2.44m	45	Line 6
0.81x2.44m	> 45 - 50	Line 5
0.81x1.22m	50	Line 6

**NOTICE**

- This method must not be used for constructing outward-staggered floor-slabs.
- It is not possible to change the direction of the panels at the structure edge.
- The outermost row of floor props must be at a distance of at least 10 cm from the slab edge.
- The last row of floor props with support heads must be at a distance of 140 cm from the structure edge, so that the edge head can be installed centred underneath the cantilevered panel (platform width  $\leq 1.0\text{m}$ ).
- Use of Dokadek panels 1.22x1.22m and 0.81x1.22m at structure edge not permitted.

**Diagrammatic floorplan**

a ... 140 cm

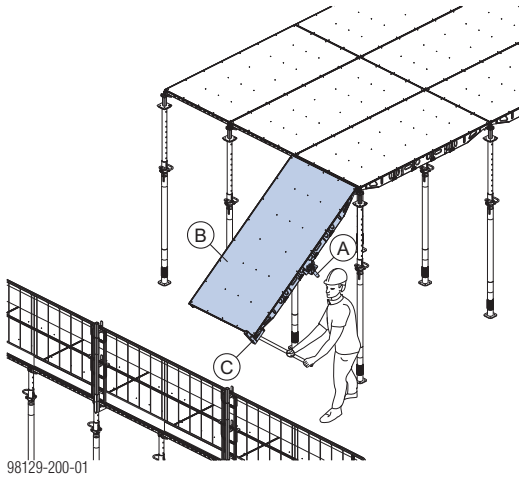
	Dokadek panels on lower level
	slab between two levels
	Dokadek panels on upper level

## Closing the formwork



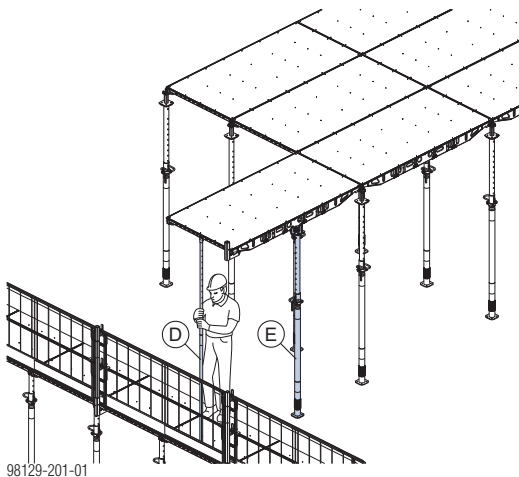
### WARNING

- Before stepping on to the panels at the slab edge (which will act as the platform), make sure that the floor props with the Dokadek edge heads on the level below are not stress-relieved!
- Mount the Dokadek edge head and the Dokadek handrail-post shoe short on the Dokadek panel.
- Engage the Dokadek panel in the heads and use the assembling tool to lift the free end up to the horizontal.



- A Dokadek edge head
- B Dokadek panel
- C Dokadek handrail-post shoe short

- Secure the assembling tool so that it cannot fall and pin the floor prop into the Dokadek edge head 18mm with Spring locked connecting pins 16mm.



- D Dokadek assembling tool B
- E Doka floor prop Eurex

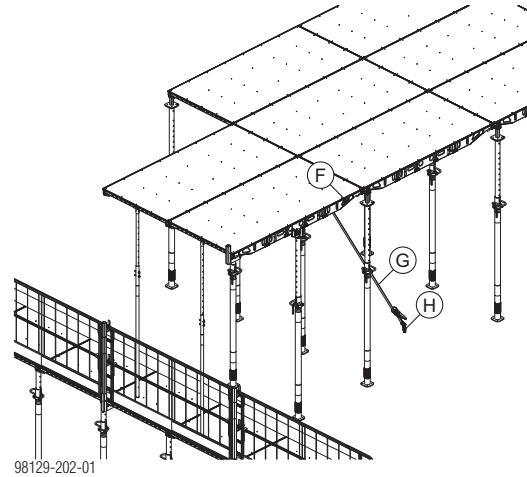


### WARNING

Risk of panels tipping over!

- Do not remove the assembling tool until after the tie-back has been installed and secured!
- Mount the next panel in the same way. If necessary, mount handrail post shoes on the Dokadek panel.

- Install tie-backs in accordance with the platform load (see the section headed 'Ground rules'.



- F Scaffold tube 48.3mm 1.50m
- G Lashing strap 5.00m
- H Doka express anchor 16x125mm

- Mount further panels in the same way. If necessary, mount handrail post shoes on the Dokadek panel.



### WARNING

- No-one is allowed to step on to the formwork area before all safety measures have been complied with and all panels and infill areas securely stayed.
- Use appropriate personal fall-arrest system equipment when installing the handrail posts and protective gratings!



### NOTICE

- The lashing straps are allowed to be temporarily released while the panels are being levelled.

However, the lashing straps may only be released one at a time.

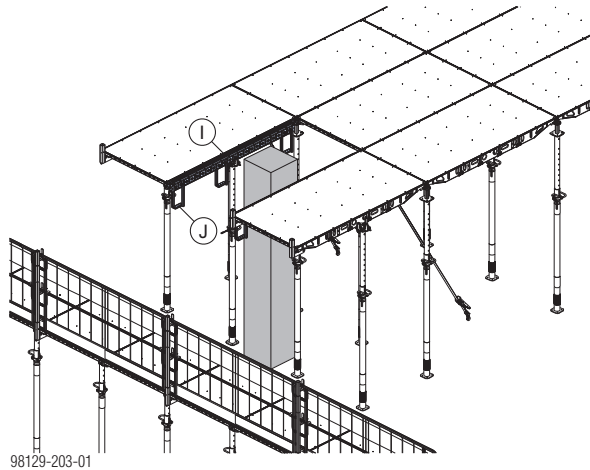
- Level the panels.
- Mount Handrail posts XP and Protective gratings XP on the formwork.
- Install infill zones and lay intermediate panels in position.

## Mounting fillers between the cantilevering panels



### WARNING

- Secure cantilevered slab formwork to prevent lift-out and tipover.
- Secondary beams with stop-end formwork must be secured against horizontal pull-out.
- In addition, if necessary, put up a protection platform on the structure (e.g. Folding platform K). Risk of infill beams toppling!
- Use spring cotters to secure the infill beams to the heads.
- Engage Infill beams 2.44m in the heads and secure each infill beam with spring cotters to prevent lift-out.
- Hook 4 suspension clamps into the infill beams as close to the floor props as possible. Hook 2 suspension clamps into the infill beam, in the outermost position.

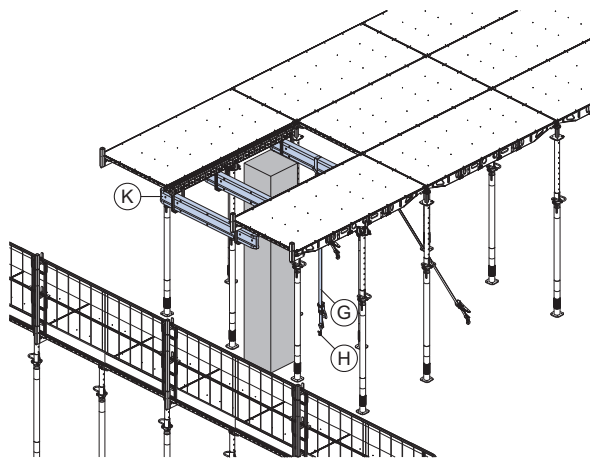


98129-203-01

**I** Dokadek infill beam 2.44m

**J** Dokadek suspension clamp H20

- First engage the inner primary beam in the suspension clamps.
- Pass the lashing strap round the primary beam and tie it back vertically with an express anchor.
- Then engage the remaining two primary beams.



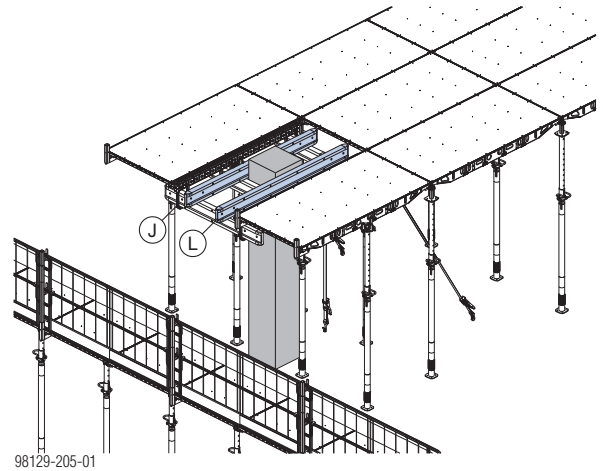
98129-204-01

**G** Lashing strap 5.00m

**H** Doka express anchor 16x125mm

**K** Doka beam H20 used as primary beam (e.g. 1.80m)

- Mount Doka beams H20 as secondary beams.



98129-205-01

**J** Dokadek suspension clamp H20

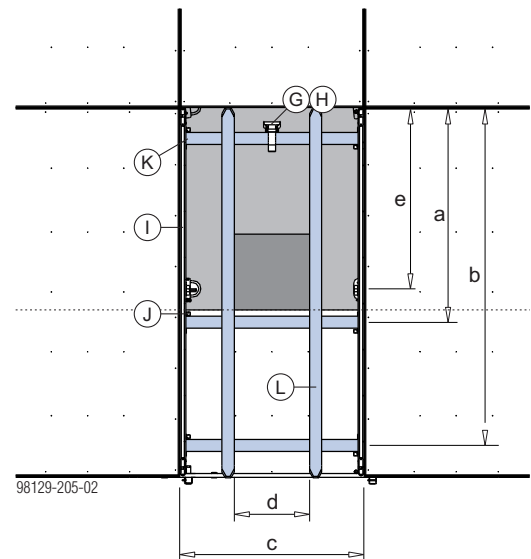
**L** Doka beam H20 used as secondary beam (e.g. 2.45m)



To make the sheets easier to strip, it is recommended to nail them to the infill beams only.

- Mount the fillers.

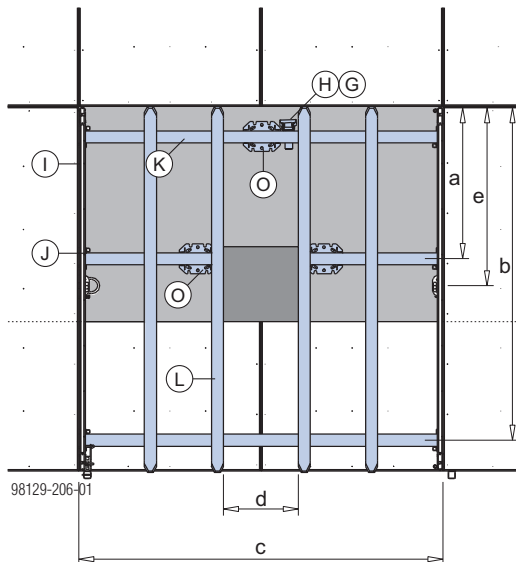
### Close-up plan view



98129-205-02

Designation	Dimensions [cm]
a Position of middle primary beam	153
b Position of outer primary beam	224
c max. infill width without centred additional prop	≤ 122
d Max. spacing of secondary-beams	depends on form-ply
e Position of floor prop with main beam head	122

## Close-up of floorplan, column at joint between two panels



Designation	Dimensions [cm]
a Position of middle primary beam	as close as possible to the middle of the column
b Position of outer primary beam	224
c Max. infill width (1 centred extra prop at the rear primary beam)	≤ 244
d Max. spacing of secondary-beams	depends on form-ply
e Position of floor prop with main beam head	122

**G** Lashing strap 5.00m

**H** Doka express anchor 16x125mm

**I** Dokadek infill beam 2.44m

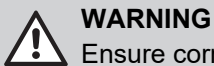
**J** Dokadek suspension clamp H20

**K** Doka beam H20 used as primary beam (e.g. 1.80m)

**L** Doka beam H20 used as secondary beam (e.g. 2.45m)

**O** Doka 4-way head

## Pouring



### WARNING

Ensure correct direction of pouring!

- Always work outwards from the middle of the building towards the edge of the slab when pouring.



### NOTICE

Use of Dokadek panels 1.22x1.22m and 0.81x1.22m at structure edge not permitted.

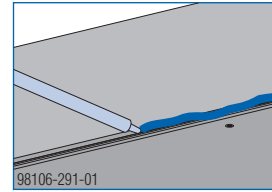
## Permitted slab thickness [cm] without additional precautions

Panel size	Permitted slab thickness	Deflection as defined by DIN 18202
1.22x2.44m	30	Line 6
1.22x2.44m	> 30 - 32	Line 5
1.22x1.22m	32	Line 5
0.81x2.44m	45	Line 6
0.81x2.44m	> 45 - 50	Line 5
0.81x1.22m	50	Line 6

To protect the surface of the form-facing, we recommend using a vibrator with a protective rubber cap.



PU foam (e.g. Hilti CF-FW 500 or Würth UNI PUR) can be used to seal any gaps between the formwork and the walls.



## Stripping the formwork



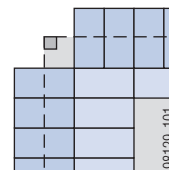
### NOTICE

- Comply with the stipulated stripping times.
- Observe the following sections in the 'Panel floor formwork Dokadek 30' User Information booklet.
  - 'Reshoring props, concrete technology and stripping'
  - If necessary, 'Additional precautions for slab thicknesses of up to 50 cm'.

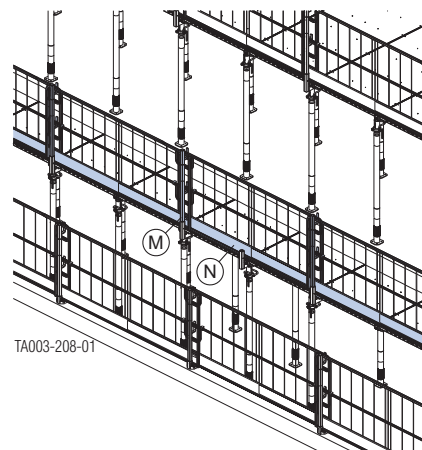


### WARNING

- The panels at the slab edge must remain in place (see illustration).



- Move the guardrail system back from the slab formwork to the edge of the structure.



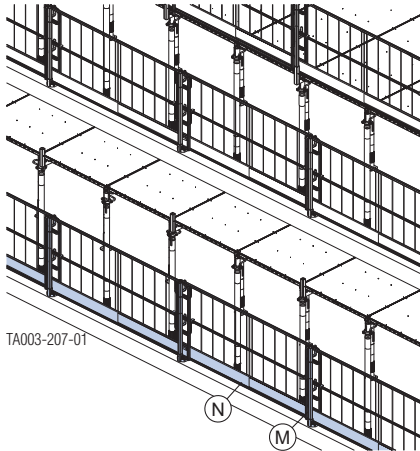
**M** Handrail post XP

**N** Protective grating XP

- Put up temporary reshoring in the infill zone.
- Strip the infill zone.

**NOTICE**

- ▶ Use appropriate personal fall-arrest system equipment when removing the guardrail system.
- ▶ Remove the guardrail system at the edge of the structure in the area of the panel to be stripped out.

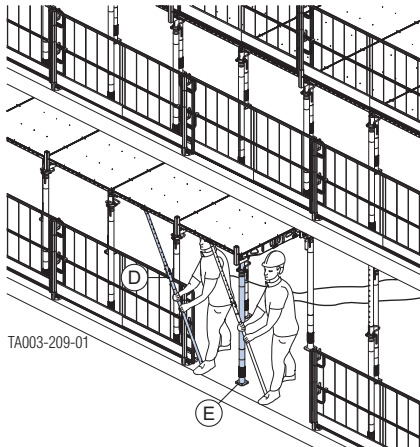


**M** Handrail post XP

**N** Protective grating XP

**NOTICE**

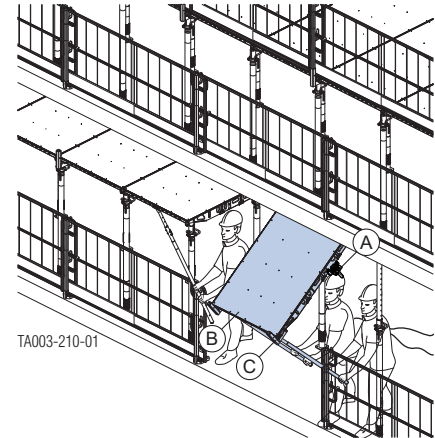
- ▶ Always comply with the country-specific safety regulations!
- ▶ Secure two adjacent panels with assembling tools and remove the corresponding floor props.



**D** Dokadek assembling tool B

**E** Doka floor prop Eurex

- ▶ Position another assembling tool underneath the panel to be stripped out. Tilt down the panel and remove the mounted parts.

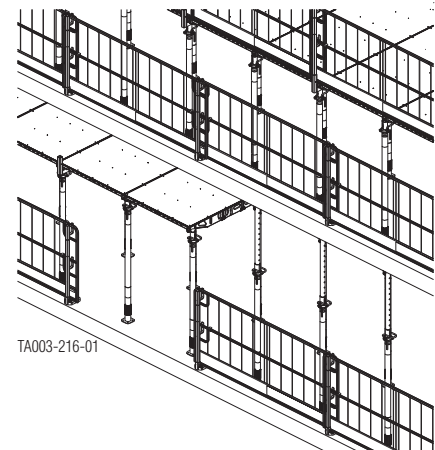


**A** Dokadek edge head P 18mm

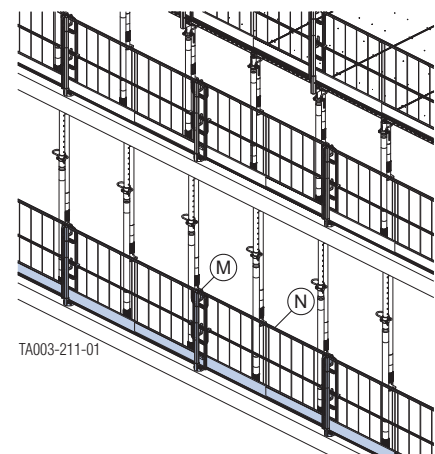
**B** Dokadek panel

**C** Dokadek handrail-post shoe short

- ▶ Put the guardrail system back into position at the edge of the structure and disengage the panel.
- ▶ Disengage the guardrail system at the next panel for removal.



- ▶ Take down the other panels in the same way.



**M** Handrail post XP

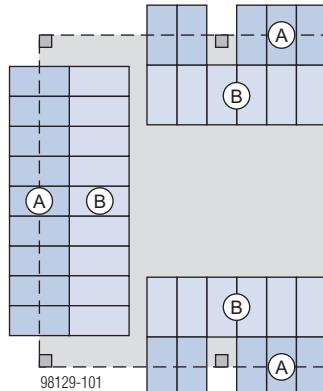
**N** Protective grating XP

## Operating with DekLift 4.50m

### Ground rules

#### Schematic set-up

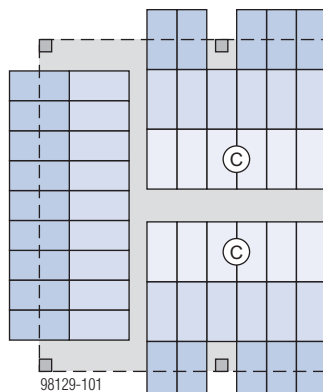
- 1) Form up, level and tie back the cantilevering panels and the 2nd row of panels behind them.



**A** Cantilevering panels

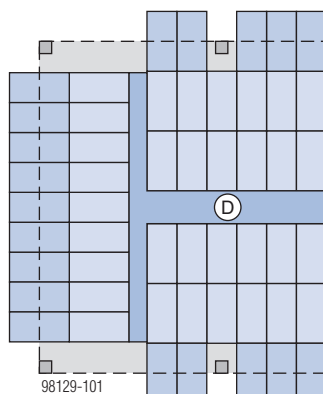
**B** 2nd row of panels

- 2) Erect formwork in the typical zone until only the planned infill zone is left unformed; level and secure it against tip-over.



**C** Typical zone

- 3) Form the infilling in the typical zone.

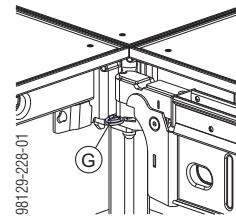


**D** Infilling in typical zone

- 4) Mount guardrails.

- 5) Form the infilling between the cantilevering panels. Secure the infill beams against accidental lift-out using spring cotters (included with product).

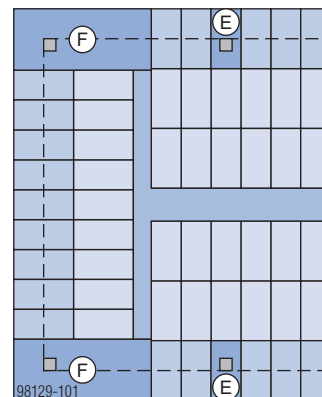
#### Close-up, infill beam secured against lift-out



**G** Spring cotter

For the close-up plan view and the close-up of floor plan, column at joint between two panels, see the section headed 'Operating with assembling tool'.

- 6) Forming infills in the corner area with Dokaflex.



**E** Infilling between cantilevering panels

**F** Infills in the corner area

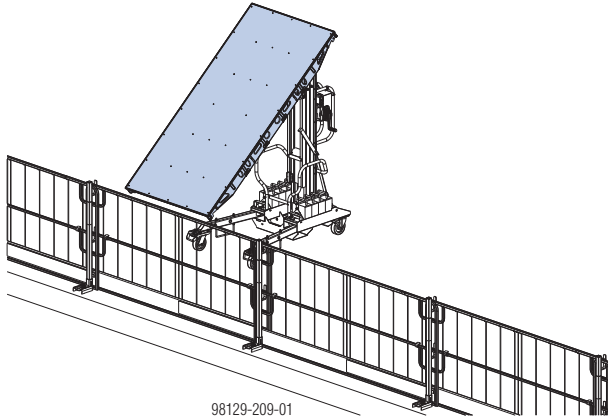
- 7) Mount the stop-end formwork.

## Closing the formwork

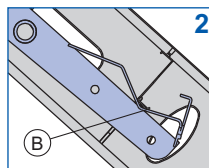
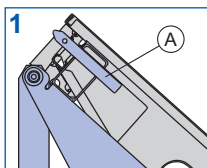
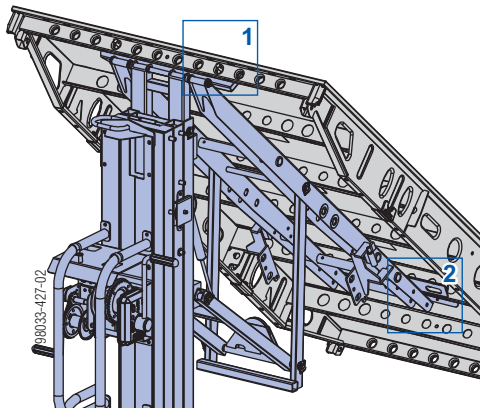
### Note:

Lashing straps not secured to the ground are shown at less than their full length in the illustrations in this section.

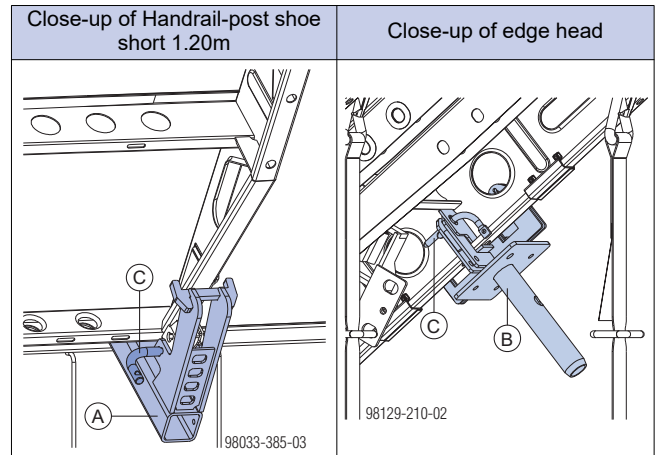
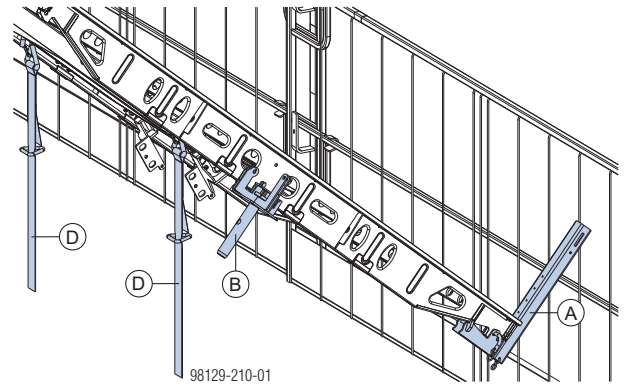
- Place the panel down centrally on the DekLift.



Check to make sure that the panel is properly engaged in the locating pins **(A)** and locating brackets **(B)** on the DekLift (wind lift-out protection).



- Mount the handrail-post shoe short 1.20m, edge head and 2 lashing straps.



**A** Dokadek handrail-post shoe short 1.20m

**B** Dokadek edge head

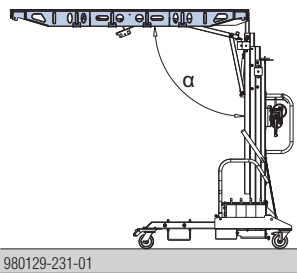
**C** Safety pin (vertical!)

**D** Lashing strap 5.00m



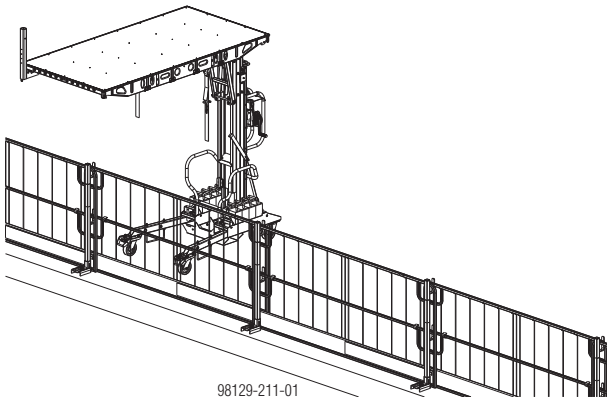
**NOTICE**

- ▶ Do not swivel the panel up to more than a maximum of 90°.



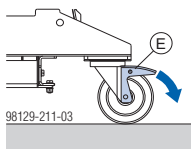
α ... max. 90°

- ▶ Swivel the panel up to the horizontal so that collision with the fall-arrest system is avoided (also see the section headed 'Fall-arrest systems on the structure' in 'Ground rules'), and move it to the edge of the slab (approx. 20 cm back from the slab edge).



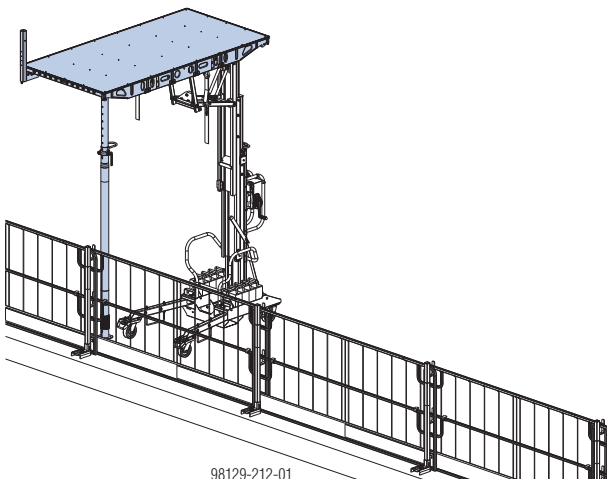
98129-211-01

- ▶ Activate the parking brake of the DekLift.



98129-211-03

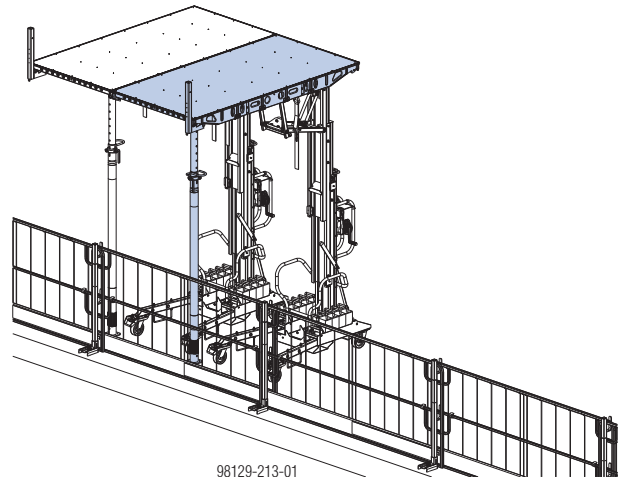
- ▶ Prop edge head on floor prop and secure with pin.
- ▶ Use the DekLift to raise the panel to the desired height. In this process the 2nd person guides the floor prop.



98129-212-01

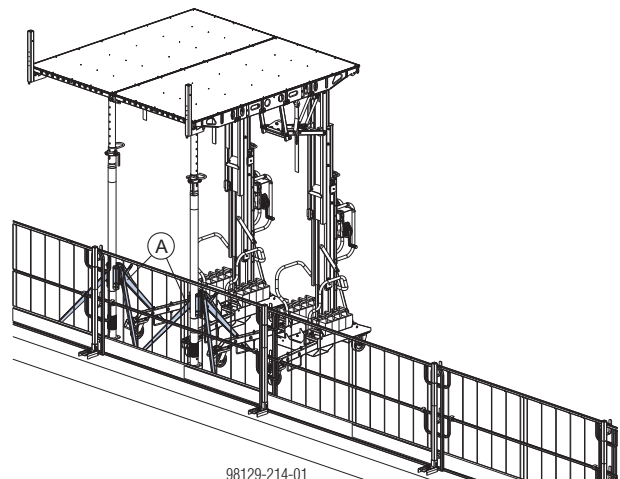
- ▶ Secure the floor prop at the desired length by inserting the pin.
- ▶ Place the 2nd panel down centrally on the DekLift.

- ▶ Mount the handrail-post shoe short 1.20m, edge head and 2 lashing straps.
- ▶ Swivel the panel up to the horizontal so that collision with the fall-arrest system is avoided (also see the section headed 'Fall-arrest systems on the structure' in 'Ground rules'), and move it to the edge of the slab (approx. 20 cm back from the slab edge).
- ▶ Activate the parking brake of the DekLift.
- ▶ Prop edge head on floor prop and secure with pin.
- ▶ Use the DekLift to raise the panel to the desired height. In this process the 2nd person guides the floor prop.
- ▶ Secure the floor prop at the desired length by inserting the pin.



98129-213-01

- ▶ Secure both floor props with removable folding tripods.

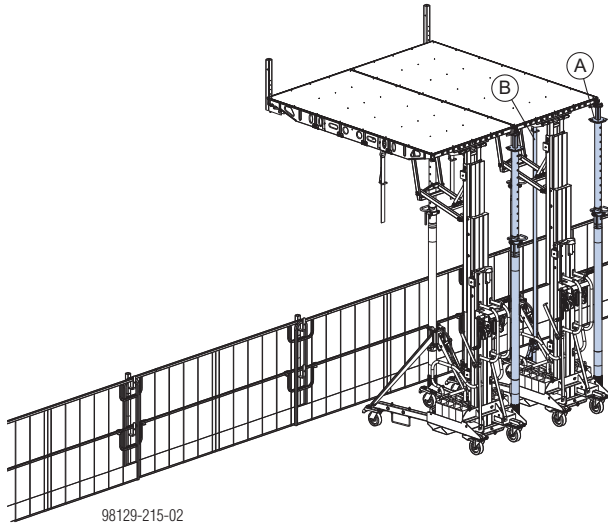


98129-214-01

**A** Removable folding tripod



- Prop the 1st panel with 2 more floor props (with support head) and tie back the panel vertically with 2 lashing straps.



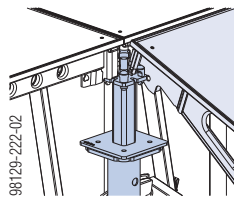
**A** Doka floor prop Eurex (with support head)  
**B** Lashing strap 5.00m

- Engage the 1st panel of the 2nd row in the heads.

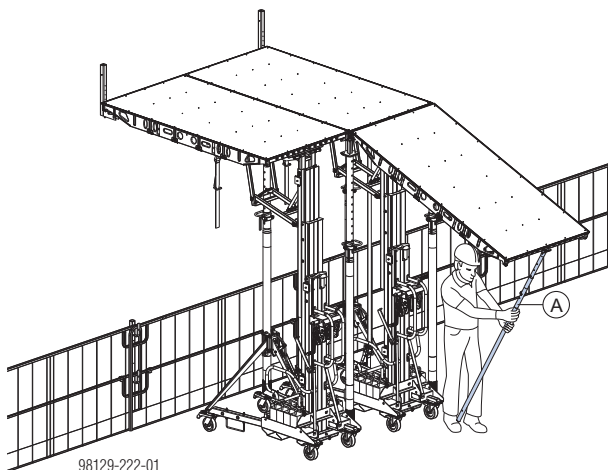


Make sure that the panel is correctly fitted onto the pins of both heads.

#### Support head

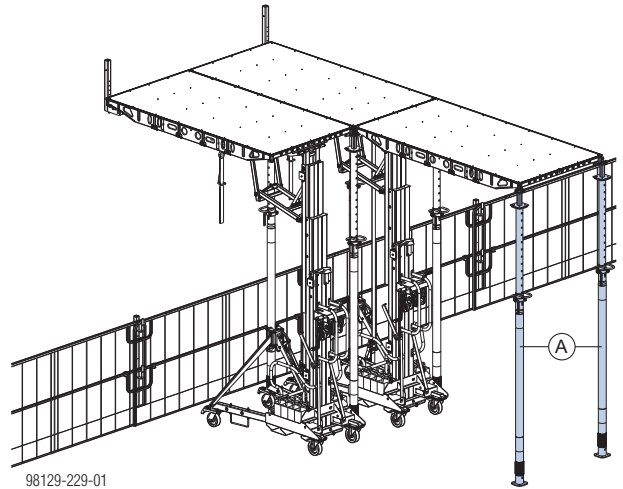


- Use the assembling tool to swing the panel up.



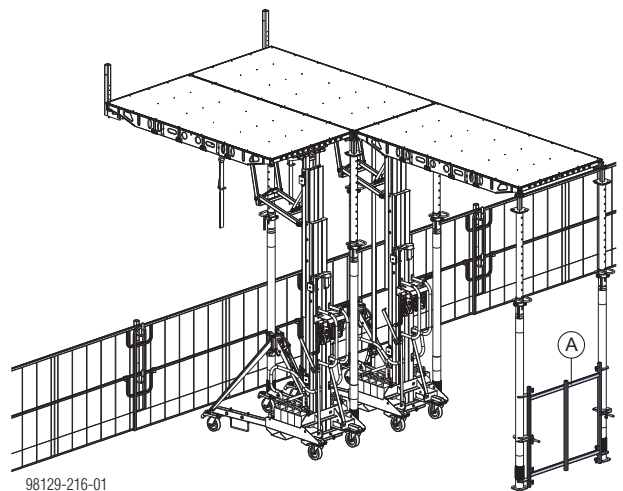
**A** Dokadek assembling tool B

- Shore the panel with 2 floor props (with support head).



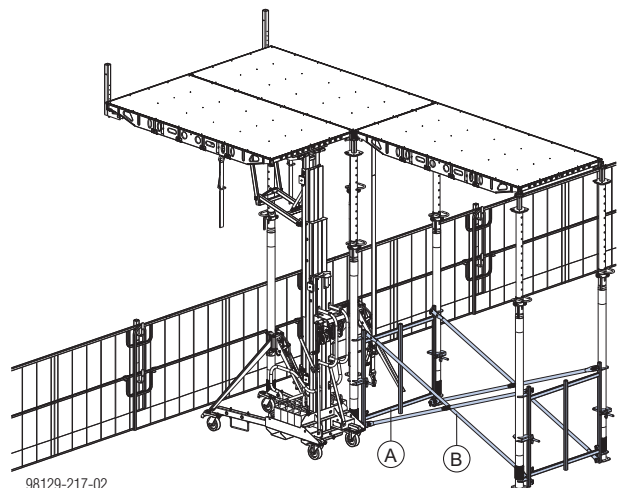
**A** Doka floor prop Eurex (with support head)

- Interconnect the floor props with a Bracing frame Eurex.



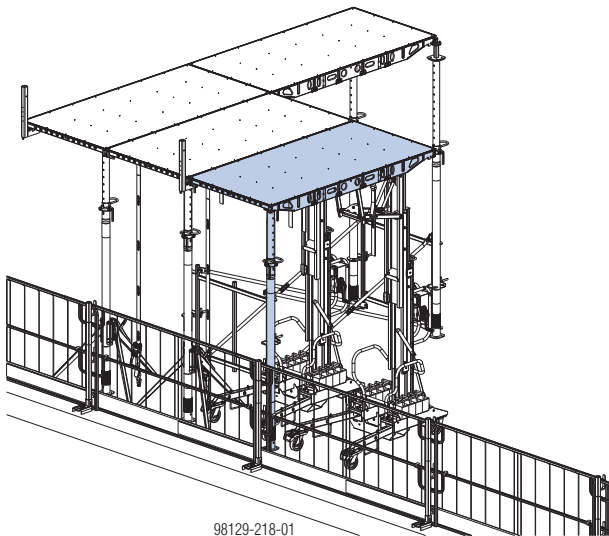
**A** Bracing frame Eurex

- Remove the 1st DekLift.
- Install another Bracing frame Eurex.
- Interconnect the two Bracing frames Eurex with 2 diagonal crosses.

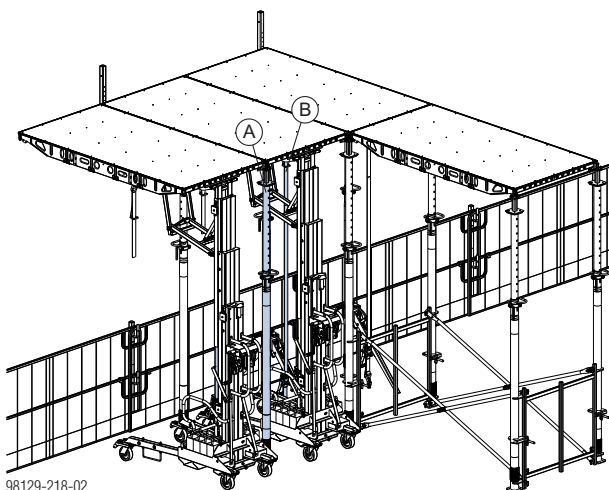


**A** Bracing frame Eurex  
**B** Diagonal cross

- Place the 3rd panel for the cantilevering row down centrally on the DekLift.
- Mount the edge head, 2 lashing straps and, if necessary, the Handrail-post shoe short (depends on the permitted influence width).
- Swivel the panel up to the horizontal so that collision with the fall-arrest system is avoided (also see the section headed 'Fall-arrest systems on the structure' in 'Ground rules'), and move it to the edge of the slab (approx. 20 cm back from the slab edge).
- Activate the parking brake of the DekLift.
- Prop edge head on floor prop and secure with pin.
- Use the DekLift to raise the panel to the desired height. In this process the 2nd person guides the floor prop.
- Secure the floor prop at the desired length by inserting the pin.

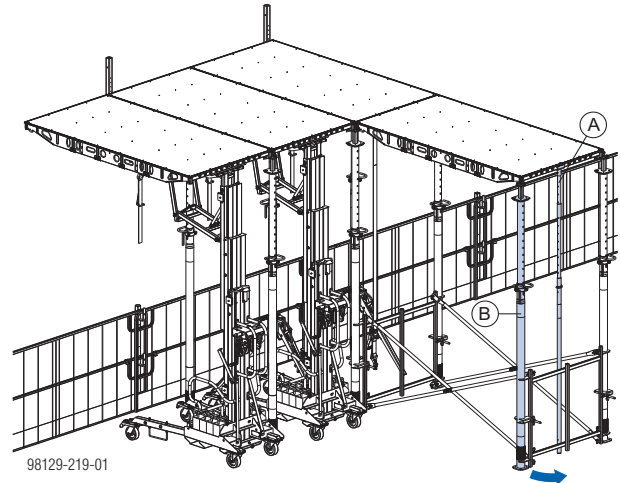


- Prop the 3rd panel for the cantilevering row on a floor prop (with support head).
- Vertically tie back the 2nd cantilevering panel with 2 lashing straps.



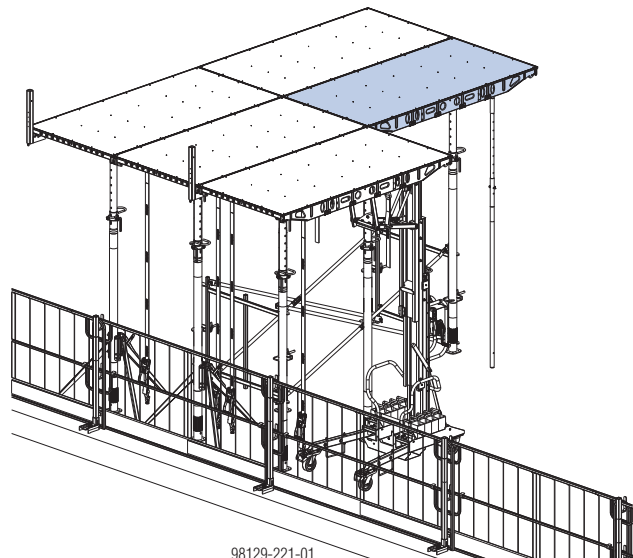
**A** Doka floor prop Eurex (with support head)  
**B** Lashing strap 5.00m

- Prop the panel in the 2nd row with the assembling tool and remove 1 floor prop (with support head) so that the next panel can be installed.



**A** Dokadek assembling tool B  
**B** Doka floor prop Eurex (with support head)

- Remove the 2nd DekLift and install the 2nd panel in the 2nd row.



- Mount further panels in the same way.

## Pouring



### WARNING

Ensure correct direction of pouring!

- ▶ Always work outwards from the middle of the building towards the edge of the slab when pouring.



### NOTICE

Use of Dokadek panels 1.22x1.22m and 0.81x1.22m at structure edge not permitted.

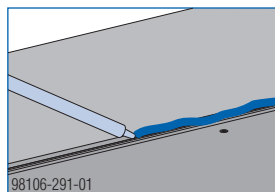
### Permitted slab thickness [cm] without additional precautions

Panel size	Permitted slab thickness	Deflection as defined by DIN 18202
1.22x2.44m	30	Line 6
1.22x2.44m	> 30 - 32	Line 5
1.22x1.22m	32	Line 5
0.81x2.44m	45	Line 6
0.81x2.44m	> 45 - 50	Line 5
0.81x1.22m	50	Line 6

To protect the surface of the form-facing, we recommend using a vibrator with a protective rubber cap.

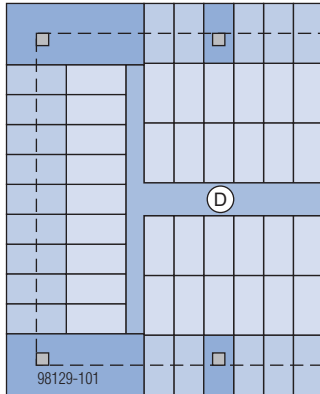


PU foam (e.g. Hilti CF-FW 500 or Würth UNI PUR) can be used to seal any gaps between the formwork and the walls.



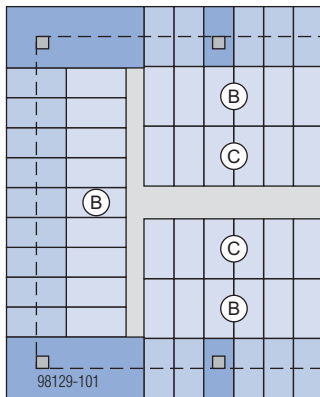
## Stripping the formwork

- 1) Strip out the the stop-end formwork.
- 2) Move the guardrail system back to the edge of the structure
- 3) Strip out infills in the typical zone.



**D** Infilling in typical zone

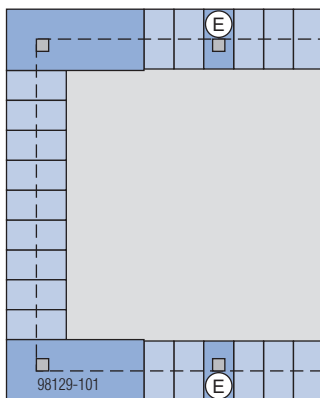
- 4) Strip out the typical zone including the 2nd row of panels.



**B** 2nd row of panels

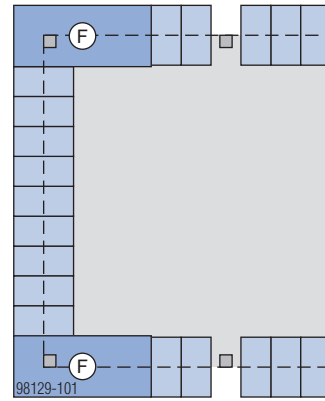
**C** Typical zone

- 5) Strip out the infill area between cantilevering panels. Secure the panels so that they cannot suddenly drop.



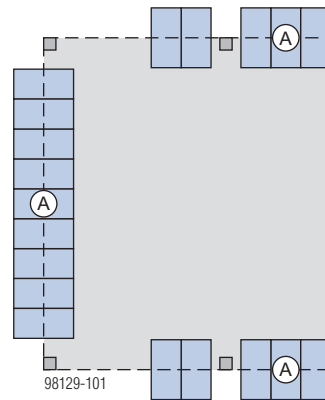
**E** Infilling between cantilevering panels

- 6) Strip out infills in the corner area.



**F** Infills in the corner area

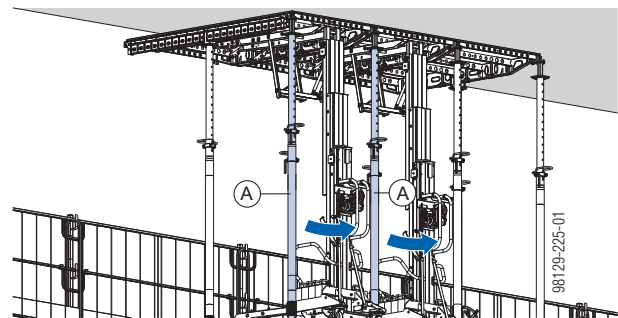
- 7) Remove the tie-backs of the cantilevering panels.
- 8) Strip out the cantilevering panels.



**A** Cantilevering panels

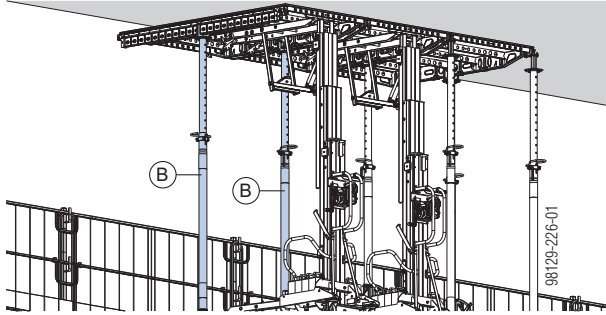
### Close-up, stripping out cantilevering panels in the infill area

- Prop the panel to be stripped out and the neighbouring panel on DekLifts.
- Stress-release and remove the floor props (with support head) of the panel to be stripped out.



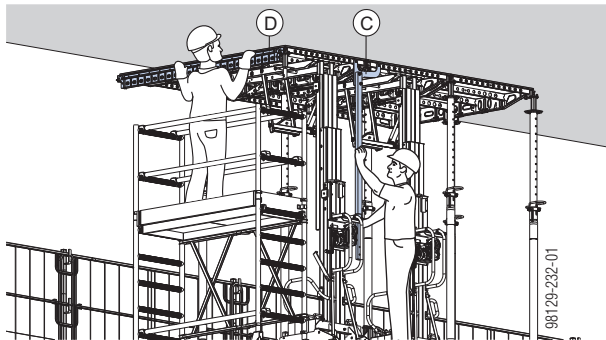
**A** Doka floor prop Eurex (with support head)

- Stress-release the floor props (with support head) of the panel to be stripped out and disengage the fastening clamps.



**B** Doka floor prop Eurex (with edge head)

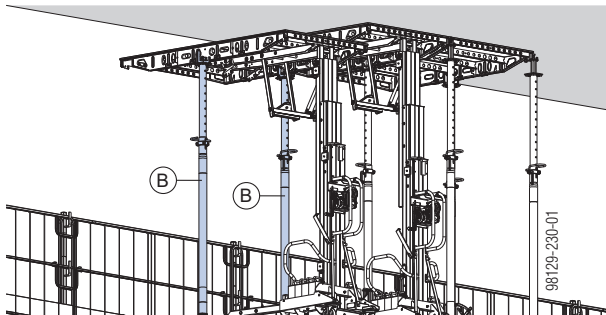
- With the stripping tool, release the panel to be stripped out and the infill beam from the underside of the slab. Secure the infill beam so that it cannot fall (e.g. by having it held by a helper on a Wheel-around scaffold DF).



**C** Dokadek stripping tool

**D** Dokadek infill beam

- With the DekLift, lower the panel to be stripped out just far enough for the infill beam to be removed.
- Remove the floor props (with support head) of the panel to be stripped out.



**B** Doka floor prop Eurex (with edge head)

- With the DekLift, lower the panel and remove it.
- Take down the other panels in the same way.

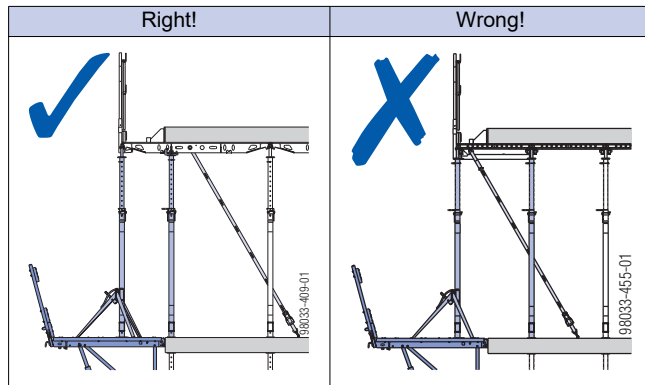
## Variant 3 - Propping the cantilevering panels on Folding platform K

### Folding platform K

At the structure edge, cantilevering Dokadek panels with floor props can also be supported on Folding platforms K where needed.

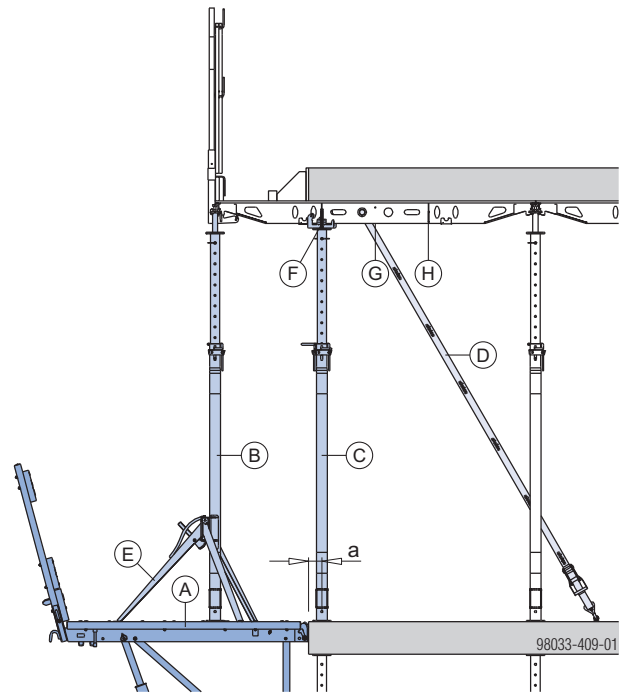
#### **WARNING**

- ▶ Only lengthways cantilevering panels may be shored on the Folding platforms K.



#### **WARNING**

- ▶ The floor props on the Folding platform K are only for use as a set-up aid, and not for transferring loads.
- ▶ The loads which occur as a result of concreting must be transferred by way of the floor props and edge heads at one of the propping points (outside one-third point, middle point or inside one-third point) of the Dokadek panel (minimum distance **a** from edge: 10 cm).  
Always use only the next propping point toward the inside for this purpose.
- ▶ This method must not be used for constructing outward-staggered floor-slabs (e.g. balconies).



a ... min. 10 cm

- A** Doka folding platform K
- B** Doka floor prop Eurex 30 top + Dokadek support head (as set-up aid only)
- C** Doka floor prop Eurex 30 top + Dokadek edge head
- D** Bracing
- E** Removable folding tripod top
- F** Outside one-third point of the panel
- G** Middle point of the panel
- H** Inside one-third point of the panel

## Closing the formwork

- Put up the formwork in the typical zone, level it and tie it down.
- Engage the cantilevering panel in the support heads.
- Install edge head.
- Hook the assembling tool into the middle of the outside cross profile of the panel, raise the panel and secure the assembling tool so that it cannot tip over.
- Support the 1st panel on the Folding platform K with a support head and floor prop, and secure the prop with a Removable folding tripod.
- Engage the next panel.
- Mount an edge head, and then tilt the panel up.
- Support the panels on the Folding platform K with a support head and floor prop.

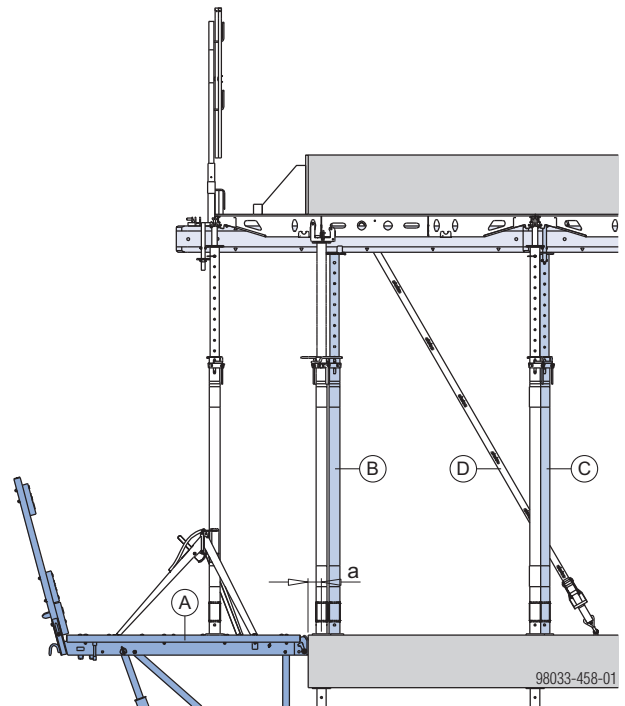


### NOTICE

- Secure – with tripods – the floor props that have only 1 panel resting on the heads.
- Place floor props under the edge heads.
- Level the floor-slab formwork in the edge zone.  
Important: When extending props that have an edge head, turn the adjusting nut until the prop encounters resistance from above!
- Mount tie-downs and take suitable precautions to prevent the formwork being lifted out by e.g. wind (see the section headed 'Floor formwork around edges' in the 'Panel floor formwork Dokadek 30' User Information booklet).
- Put up the guardrail system; wear a personal fall-arrest system (e.g. safety harness) when doing this.

## Slab thicknesses >30 cm

Same procedure as described under the heading 'Additional precautions for slab thicknesses of up to 50 cm'.

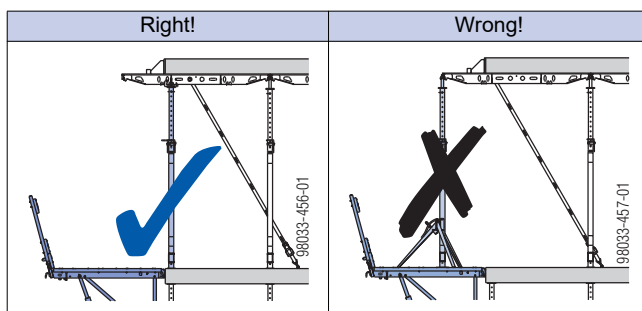


a ... min. 10 cm

- A** Doka folding platform K
- B** Doka floor prop Eurex 30 top + Supporting head H20
- C** Doka floor prop Eurex 30 top
- D** Tie-back

## Stripping the formwork

- Take down the guardrail system; wear a personal fall-arrest system (e.g. safety harness) when doing this.
- Remove the tie-downs and the formwork lift-out precautions.
- Start by removing the floor props that have a support head, and only then remove the props that have an edge head.



- Tilt down the panels.



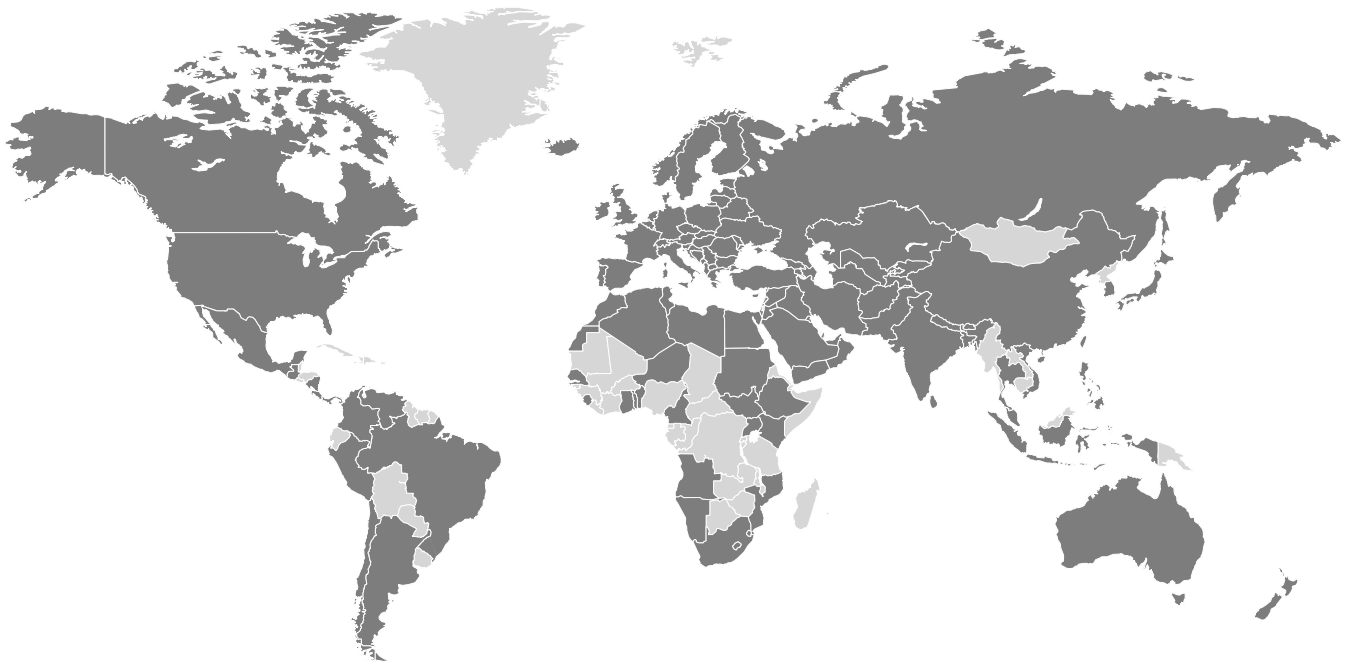
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