The Formwork Experts.

Structure edge
Panel floor formwork Dokadek 30 with drop head

User Information
Instructions for assembly and use (Method statement)
# Contents

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**Ground rules**

**NOTICE**
- This document is valid only in combination with the basic document(s): 'Panel floor formwork Dokadek 30 with drop head' User Information booklet.
- When using Dokadek 30 with drop head for structures with high floor-to-ceiling heights, also follow the directions in the 'Alternative methods of assembly' User Information booklet.

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

<table>
<thead>
<tr>
<th>Panel size</th>
<th>Permitted slab thickness</th>
<th>Deflection as per DIN 18202</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.22x2.44m</td>
<td>30</td>
<td>Line 6</td>
</tr>
<tr>
<td>1.22x2.44m</td>
<td>&gt; 30 - 32</td>
<td>Line 5</td>
</tr>
<tr>
<td>0.81x2.44m</td>
<td>45</td>
<td>Line 6</td>
</tr>
<tr>
<td>0.81x2.44m</td>
<td>&gt; 45 - 50</td>
<td>Line 5</td>
</tr>
</tbody>
</table>

**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.

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

3) Mount guardrail systems.
4) Insert the closure panels.

5) Form the infilling in the typical zone.

6) Form the infilling between the cantilevering panels.

7) Mount the stop-end formwork.
Dokadek closure panels

- galvanised, yellow coated steel frames with riveted wood/plastic composite sheets

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.

### Legend

<table>
<thead>
<tr>
<th>▶️ XF drop head 1)</th>
<th>▶️ XF wall head 1)</th>
<th>▶️ Edge head 18mm / 21mm / 27mm 1) 2)</th>
<th>▶️ Cross head 1)</th>
<th>▶️ XF edge head 18mm / 21mm / 27mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>XF</td>
<td>XF</td>
<td>R</td>
<td>K</td>
<td>RX</td>
</tr>
</tbody>
</table>

### NOTICE

- When placing the panels onto the heads, make sure that the panels are correctly engaged in the heads.
- Edge heads to which infill beams are mounted (in the infill zone) must be secured with Spring locked connecting pins 16 mm.
- 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

**XF drop head**

- Used on Dokadek panel

**Edge head**

<table>
<thead>
<tr>
<th>Used at panel joint</th>
<th>Used with panel and infill beam</th>
</tr>
</thead>
</table>

- XF drop head

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

<table>
<thead>
<tr>
<th>Sheet thickness</th>
<th>18 mm</th>
<th>21 mm</th>
<th>27 mm</th>
</tr>
</thead>
</table>

**Wall head**

- Used on narrow side of formwork

**XF wall head**

- Used on broad side of formwork

**XF edge head**

- Used at panel joint, with closure panel
- Used with panel, closure panel and infill beam

Make sure that the swivel support is in the correct position! (fixed in place with tube connector)

**Identification mark (D) on XF edge head to show matching sheet thickness**

<table>
<thead>
<tr>
<th>Sheet thickness</th>
<th>18 mm</th>
<th>21 mm</th>
<th>27 mm</th>
</tr>
</thead>
</table>

**Cross head**

- Used on the broad side 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 horizontal loads as defined by EN 12812 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 with drop head' 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 4)
  - additionally, on the outside panels, by the middle bulkhead plate (see Practical example 5)
Variant with braced unit

Variant without braced unit

... 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

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

A ... starting unit

a ... every 7.50 m and on last panel
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!

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

<table>
<thead>
<tr>
<th>Eurex 30 top</th>
<th>2.4 x 15 IT/OT</th>
<th>3 x 15 IT/OT</th>
<th>4 x 15 IT/OT</th>
<th>5 x 10 IT/OT</th>
<th>5 x 12 IT/OT</th>
<th>5 x 15 IT/OT</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>300</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>350</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>400</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>450</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>550</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

**Legend:**
- IT Inner tube
- OT Outer tube
- ✓ Possible to combine
- Not possible to combine

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

Practical example 5 - Tie-back at panel joint

Practical example 6 - Tie-back in middle bulkhead plate

A Bracing frame Eurex
B Diagonal cross

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

A Bracing clamp
B Plank
C Lashing strap 5.00m
D Doka express anchor 16x125mm
E Scaffold tube 48.3mm 0.50m

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 one-third point with Dokadek plumbing strut connector

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 with drop head' 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 with drop head' User Information booklet.

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.

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Bracing clamp B</td>
</tr>
<tr>
<td>B</td>
<td>Plank</td>
</tr>
<tr>
<td>C</td>
<td>Lashing strap 5.00m</td>
</tr>
<tr>
<td>D</td>
<td>Doka express anchor 16x125mm</td>
</tr>
<tr>
<td>E</td>
<td>Scaffold tube 48.3mm 0.50m</td>
</tr>
<tr>
<td>F</td>
<td>Dokadek plumbing-strut connector</td>
</tr>
<tr>
<td>G</td>
<td>Plumbing strut 340 IB or 540 IB</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Attachment method used</th>
<th>Min. room height 'h'</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handrail-post shoe XP</td>
<td>310 cm</td>
</tr>
<tr>
<td>Railing clamp XP 40cm</td>
<td>300 cm</td>
</tr>
<tr>
<td>Screw-on shoe XP</td>
<td>300 cm</td>
</tr>
</tbody>
</table>

**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. the Doka personal fall-arrest set).

**Practical examples**

<table>
<thead>
<tr>
<th>Tilting up panels that cantilever in the longitudinal direction of the typical zone</th>
<th>Tilting up panels that cantilever in the transverse direction of the typical zone</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="98070-322-01" alt="Diagram" /></td>
<td><img src="98070-323-01" alt="Diagram" /></td>
</tr>
<tr>
<td>a ... 217.5 cm (checking is necessary for any other dimension than this!)</td>
<td>b ... 210 cm (checking is necessary for any other dimension than this!)</td>
</tr>
</tbody>
</table>
Operating with Dokadek assembling tool

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 with drop head’ User Information booklet), with the exception of the 1st panels.

➤ Draw a vertical plan of the typical zone.

a ... 217.5 cm  
b ... 210.0 cm

➤ Pre-assemble the unit consisting of bracing frames and diagonal crosses and set up the first two floor props (with XF drop 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 XF drop 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°)

➤ 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 XF drop head), secure it with a removable folding tripod and engage infill beams into the heads to fix the props the correct distance apart.

NOTICE
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.
➤ Fit the XF edge head onto the floor prop and secure it with the pin.

Adding to narrow side of standard panels

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

Securing the typical zone against tip-over

➤ See the section headed ‘Ground rules’.

Securing 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).

Levelling the typical zone

➤ 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 with drop head’ User Information booklet).
➤ From now on, all the other rows of panels follow the standard set-up procedure.

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.
➤ 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 Handrail-post shoe short (depends on the permitted influence width). Then tilt the panel up.

➤ 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 those floor props that have only 1 panel resting on the heads.

➤ Shore the panels with floor props and cross heads at the required position.

Close-up of 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 narrow sides of standard panels, the only difference being that an XF edge head with a floor prop must be used in the area of the closure panel (see the section headed 'Ground rules').

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.

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 with drop head' User Information booklet.

Mounting closure panels

➤ Engage the closure panels onto the early-stripping heads or XF edge heads from above.
Mounting fillers

Mounting fillers in the typical zone

For more information, see the 'Panel floor formwork Dokadek 30 with drop head' 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 back-stay can be fastened to either the secondary or primary beam.

Position on XF drop head

Position on edge head

Position on XF edge head

WARNING

➤ Secure cantilevering slab formwork to prevent lift-out and tip over.
➤ 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.
➤ Hook 4 suspension clamps into the infill beam, as close as possible to each floor prop.

➤ 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.

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

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 an Anti-twisting 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.
Practical examples

Infilling between cantilevering panels

Infilling at corner of building

Permitted dimensions [cm]

<table>
<thead>
<tr>
<th></th>
<th>Max. slab thickness</th>
<th>Dokadek panel</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>32</td>
<td>1.22x2.44m</td>
</tr>
<tr>
<td></td>
<td>45</td>
<td>0.81x2.44m</td>
</tr>
<tr>
<td>a (position of outside primary beam)</td>
<td>≥ 142</td>
<td></td>
</tr>
<tr>
<td>b (max. infill width with no extra shore in middle)</td>
<td>≤ 122</td>
<td>≤ 81.3</td>
</tr>
<tr>
<td>b (max. infill width with 1 extra shore in middle)</td>
<td>≤ 184</td>
<td>≤ 81.3</td>
</tr>
<tr>
<td>c (max. secondary-beam spacing)</td>
<td>50</td>
<td>30</td>
</tr>
<tr>
<td>d (position of floor prop with edge head)</td>
<td>163</td>
<td></td>
</tr>
<tr>
<td>e (max. spacing of props)</td>
<td>96.5 (with 1 extra shore in middle)</td>
<td>64 (with 2 extra shores – 1 at each of the one-third points)</td>
</tr>
</tbody>
</table>

A Dokadek infill beam 2.44m
B Dokadek suspension clamp H20
C Doka beam H20 used as primary beam
D Doka beam H20 used 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
Pouring

**WARNING**
Ensure correct direction of pouring!
➤ Always work outwards from the middle of the building towards the edge of the slab when pouring.

---

Permitted slab thickness [cm]¹)

<table>
<thead>
<tr>
<th>Panel size</th>
<th>Without additional precautions</th>
<th>With additional precautions²)</th>
<th>Flatness deviation as per DIN 18202, Table 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.22x2.44m</td>
<td>30</td>
<td>—</td>
<td>Line 6</td>
</tr>
<tr>
<td>1.22x2.44m</td>
<td>&gt; 30 - 32</td>
<td>—</td>
<td>Line 5</td>
</tr>
<tr>
<td>1.22x2.44m</td>
<td>—</td>
<td>&gt; 30 - 50</td>
<td>Line 6</td>
</tr>
<tr>
<td>0.81x2.44m</td>
<td>45</td>
<td>—</td>
<td>Line 6</td>
</tr>
<tr>
<td>0.81x2.44m</td>
<td>&gt; 45 - 50</td>
<td>—</td>
<td>Line 5</td>
</tr>
<tr>
<td>0.81x2.44m</td>
<td>—</td>
<td>&gt; 45 - 50</td>
<td>Line 6</td>
</tr>
</tbody>
</table>

¹) when using Doka floor prop Eurex 30 top

²) 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.
Early stripping

**NOTICE**
- Comply with the stipulated stripping times.
- There are no props with drop-head function at the edge of the floor slab.
- Always strip out the formwork in reverse order (see variant A).
- Where fall protection is still required, the panels at the slab edge and panels with cross heads must remain in place (see variant B).
- Observe the following sections in the ‘Panel floor formwork Dokadek 30 with drop head’ User Information booklet.
  - ‘Reshoring props, concrete technology and stripping’
  - If necessary, ‘Additional precautions for slab thicknesses of up to 50 cm’.

**WARNING**
- Do not release the sliding plates of the remaining XF drop heads (see blue marks in the sketch below) (= 2nd lowering stage), and do not back off the floor props.
- Proceed panel by panel when stripping at the edge of the floor slab. Immediately put up reshoring for each panel in turn as stripping proceeds.
- No temporary reshores must be put beneath the closure panels.

- Lower all the panels by knocking the red lowering wedge of the XF drop head with a hammer (= 1st lowering stage).

The floor props with an XF drop head will still be restrained.

- Before lowering, clean the dirty baseplates of the drop heads!

- Lower the floor props with an XF wall head or cross head approx. 2 cm (approx. 1 turn of the adjusting nut).

**WARNING**
- Strip all panels (variant A and B) before pouring the floor-slab above.
- After this, take the load off the floor props with a drop head or replace them with temporary reshores.

**Variant A: Stripping from the structure edge to the structure core**
- Strip the panels in reverse order.
- For more information, see the section headed 'Operating with assembling tool - Early stripping' in the 'Panel floor formwork Dokadek 30 with drop head' User Information booklet.

**Variant B: Stripping from the structure core to the structure edge**
- The panels at the slab edge and the panels with cross heads must remain in place (see illustration).

For more information, see the section headed ‘Operating with assembling tool - Stripping’ in the ‘Panel floor formwork Dokadek 30 with drop head’ User Information booklet.
Stripping of cantilevering panels – in detail

➤ Put up temporary reshoring in the infill zone.
➤ Strip the infill zone.
➤ Strip the panels cantilevering on the narrowside of the panels in the typical zone, in reverse order from the order in which they were put up. Temporary reshoring must be put up immediately for each panel that has been stripped.
➤ Strip the closure panels with the assembling tool.

Stripping of panels cantilevering on the long side of the panels in the typical zone:
➤ Place assembling tools beneath the panels. Secure the assembling tools so that they cannot tip over.

➤ Remove the floor prop (plus XF edge head).
➤ Place an assembling tool beneath the closure panel and secure the assembling tool so that it cannot tip over.

Close-up

A Dokadek panel
B Dokadek assembling tool
C Floor prop Eurex 30 top and Dokadek XF edge head
D Dokadek closure panel
**Cleaning the formwork**

For more information, see the ‘Panel floor formwork Dokadek 30 with drop head’ User Information booklet.

**Reshoring**

- Before pouring the next floor-slab (i.e. above the one that has just been stripped), put up reshoring props.

For more information, see the ‘Panel floor formwork Dokadek 30 with drop head’ User Information booklet.

- Tilt down the panel, disengage it from the heads, and set it down.

- Put up temporary reshoring.

- Tilt down the next panel, disengage it from the heads, and set it down.

- Put up the next temporary reshore.

- Tilt down the closure panel and disengage it from the head.
Operating with DekLift 4.50m

Formwork set-up in the typical zone

➤ Draw a vertical plan of the typical zone.

![Vertical plan](image)

a ... 217.5 cm
b ... 210.0 cm

➤ Put up the first two floor props (each with an XF drop head) in the planned position, and secure them with Removable folding tripods.

![Scaffolding setup](image)

➤ 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!

![Scaffolding setup](image)

NOTICE
➤ The procedure for setting up the formwork in the typical zone is the same as in the standard set-up procedure (see 'Instructions for Assembly and Use'), with the exception of the 1st row of panels.

➤ 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.

**XF drop head**

Tilt up the panel with the DekLift and place a floor prop (plus XF drop 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 an XF drop head), secure it with a Removable folding tripod and engage infill beams into the heads to fix the floor 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 formwork 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).

![Image of levelling the typical zone]

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.
➤ Fit the XF edge head onto the floor prop and secure it with the pin.

Adding to narrow side of standard panels

➤ Place the panel down centrally on the DekLift.

![Image of adding to narrow side of standard panels]

➤ To make it easier to reposition the DekLift, one bracing plank may briefly be dismounted.
➤ For lower room heights, the panel can be tilted-up sufficiently far to avoid collision with the guardrail system (see also ‘Guardrail systems on the structure’ in the section headed ‘Ground rules’).
Mount a ‘Handrail-post shoe - short’ and an edge head.

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 a Dokadek assembling tool under the middle of the outside cross profile, and secure the Dokadek assembling tool so that it cannot tip over.

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).

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

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!)
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).

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.

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.
Pouring

**WARNING**

Ensure correct direction of pouring!

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

---

**Permitted slab thickness [cm]¹**

<table>
<thead>
<tr>
<th>Panel size</th>
<th>Without additional precautions</th>
<th>With additional precautions²</th>
<th>Flatness deviation as per DIN 18202, Table 3</th>
</tr>
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<tbody>
<tr>
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<td>&gt; 30 - 50</td>
<td>Line 6</td>
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<tr>
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<td>45</td>
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<td>Line 6</td>
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<tr>
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<td>---</td>
<td>&gt; 45 - 50</td>
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<td>&gt; 45 - 50</td>
<td>Line 6</td>
</tr>
</tbody>
</table>

¹ when using Doka floor prop Eurex 30 top

² 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 out 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’ in the ‘Panel floor formwork Dokadek 30 with drop head’ User Information booklet.
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.

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<td><img src="image" alt="Right Diagram" /></td>
<td><img src="image" alt="Wrong Diagram" /></td>
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**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' in one of the two one-third points of the Dokadek panel (minimum distance a from edge: 10 cm).

➤ This method must not be used for constructing outward-staggered floor-slabs (e.g. balconies).

![Diagram](image)

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 Tie-back
E Removable folding tripod 'top'
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 with drop head' User Information booklet).
➤ Put up the guardrail system; wear a personal fall-arrest system (e.g. Doka personal fall-arrest set) when doing this.

Stripping out the formwork

➤ Take down the guardrail system; wear a personal fall-arrest system (e.g. Doka personal fall-arrest set) 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.

Slab thicknesses >30 cm

Same procedure as described under the heading '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 with drop head' 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.
Shoring of closure panels

Additionally shore the closure panel 0.15x2.44m with a floor prop with XF drop head (RX).

![Diagram of shoring setup]

| A | Timber beam seat H20 |
| B | Doka beam H20        |
| C | Doka floor prop Eurex 30 top |
| D | Supporting head H20 |
| F | Closure panel       |

Stripping out the formwork

**NOTICE**
- Observe all stipulated stripping times!
- Always strip out the formwork in reverse order.
- As well as the instructions given here, you MUST follow the instructions in 'Reshoring props, concrete technology and stripping out'.

On slabs with thicknesses of between 30 cm and 45 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

**WARNING**
- Early stripping of slabs with thicknesses of between 45 cm and 50 cm is only permitted if there are **no service loads and live loads** on the freshly poured concrete floor-slab.
- Service loads and live loads are permitted again once the reshoring props have been put up.
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Dokadek closure panel 0.15x2.44m
Dokadek-Zwischenelement 0.15x2.44m
Dokadek XF edge head 18mm
Dokadek XF edge head 21mm
Dokadek XF edge head 27mm
Dokadek edge head 18mm
Dokadek edge head 21mm
Dokadek edge head 27mm
Dokadek cross head
Spring locked connecting pin D16 with eye

Galvanised
Painted yellow

Height: 32 cm
Length: 16 cm
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