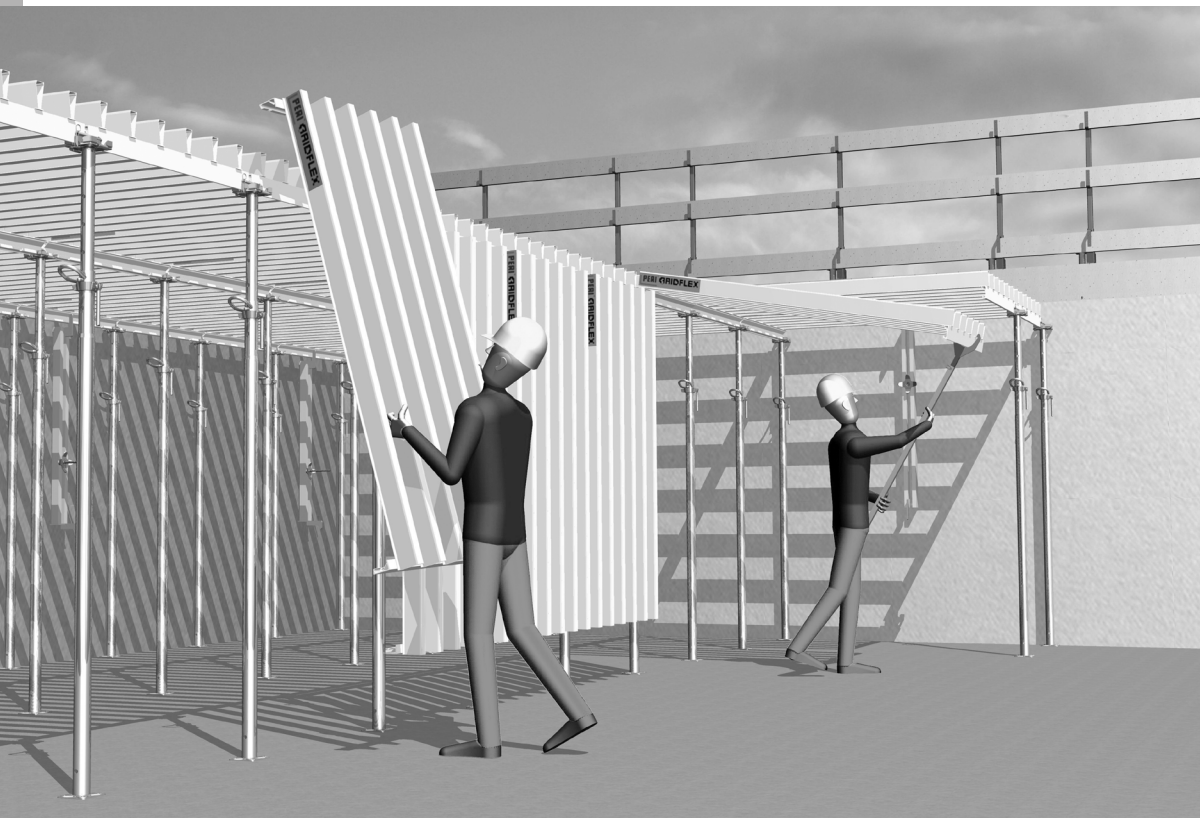


# GRIDFLEX

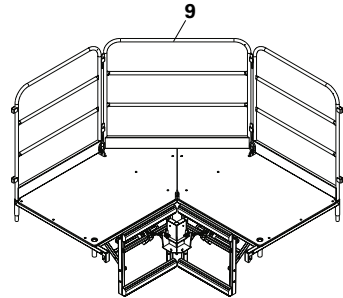
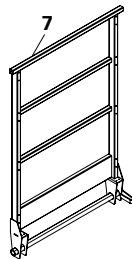
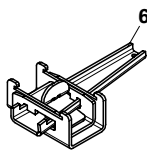
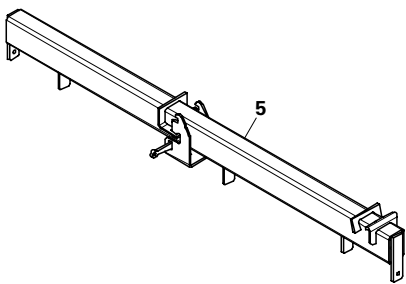
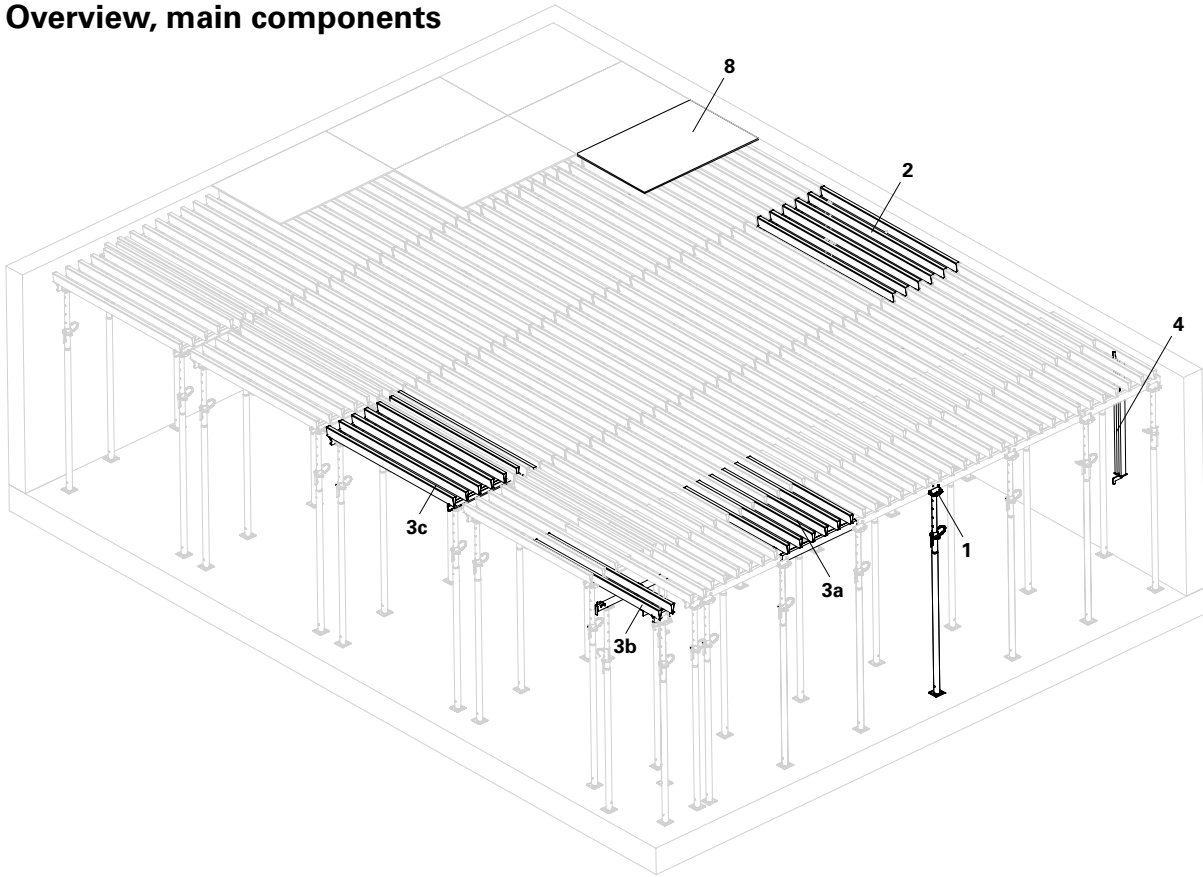
## Girder Grid Slab Formwork

Instructions for Assembly and Use for the standard configuration



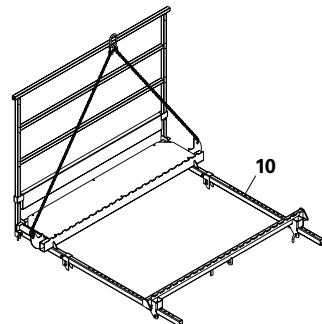
# Introduction

## Overview, main components



- 1 Prop Head GFH
- 2 Standard Element GFP  
200 x 100 (white)
- 3a Longitudinal Filler Element GFL 150 x 100 (yellow)
- 3b Longitudinal Filler Element GFL 183 x 20 (yellow)
- 3c Transverse Filler Element GFC 200 x 100 (red)

- 4 Wall Holder GFW
- 5 Traverse GF 100
- 6 Clamp GFK
- 7 Guardrail GF
- 8 Formwork panel e.g.  
1500 x 1000 x 15 mm
- 9 Corner Platform GCP complete
- 10 Platform GIP 200 complete



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**Key**



Safety instructions



Note



Visual inspection



Tip



Load-bearing point

# Introduction

## Standard configuration

### General

PERI GRIDFLEX is a flexible girder grid slab formwork made of aluminium for slab thicknesses up to 67 cm. The formwork consists of prop heads and standard elements. Telescopic filler elements are available for the infill areas. The elements are made of aluminium and thus very light. The area of application for the elements is indicated by the coloured powder coating. A range of accessories for the slab edges is also available. The formwork is safely assembled from the erection surface. The formwork has been optimised for a 15-mm-thick formwork panel.

Deflection without centre support in a standard bay  
 Slab thickness d = 20 cm: l/500  
 Slab thickness d = 26 cm: l/400  
 Slab thickness d = 33 cm: l/300

### Technical data

Permissible slab thicknesses and available prop loads: see PERI Design Tables.

### System dimensions

**Slab thicknesses up to 33 cm**  
 2.00 x 1.00 m (shown in the following)

**Slab thicknesses up to 67 cm**  
 1.00 x 1.00 m

## Intended use

- |  |   |   |
|--|---|---|
| <p>1. PERI products are technical equipment designed to be used exclusively in the industrial and commercial sectors by suitably trained personnel only.</p>   | <p>4. The components are to be inspected before each use to ensure they are in perfect condition and that they function correctly.</p>  | <p>Unless otherwise indicated, the following applies in particular:<br/>                 – Timber components: strength class C24 for solid wood according to EN 338.<br/>                 – Scaffold tubes: galvanised steel tubing with minimum dimensions of Ø 48.3 x 3.2 mm according to EN 12811-1:2003 4.2.1.2.<br/>                 – Scaffold tube couplings according to EN 74.</p> |
| <p>2. These Instructions for Assembly and Use serve as a basis for the project-related risk assessment, as well as instructions for the provision and use of the system by the contractor (user). However, they do not replace them.</p> | <p>5. Changes to PERI components are not permitted and represent a misapplication with a potential safety risk.</p>   | <p>8. Deviations from the standard configuration may only be carried out after a separate risk assessment has been (user) completed by the contractor. On this basis, appropriate measures for occupational safety and stability are to be implemented.</p>   |
| <p>3. Only PERI original components may be used. The use of other products and spare parts represents a misapplication with a potential safety risk.</p>   | <p>6. Safety instructions and permissible loads must be observed.</p> <p>7. Components provided by the contractor must comply with the characteristics stipulated in these Instructions for Assembly and Use and all applicable laws and standards.</p> |   |

# Introduction

## Safety instructions

### General

1. Deviations from the standard configuration and/or intended use present a potential safety risk.
2. When using our products, all country-specific laws, standards and other safety regulations must be observed.
3. In the case of unfavourable weather conditions, suitable precautions and measures are to be implemented in order to guarantee occupational safety and stability.
4. The contractor (user) must ensure stability during all stages of construction. They must ensure and verify that all loads that occur are safely transferred.
5. The contractor (user) must provide safe working areas for site personnel, which are to be reached via safe access routes. Cordon off and clearly mark danger zones. Hatches and openings to accessible working areas must be kept closed during working operations.
6. To facilitate understanding, detailed illustrations are sometimes incomplete. The safety equipment which might not have been shown in these detailed illustrations must nevertheless be available.

### Storage and transportation

1. Do not drop the components.
2. Store and transport components in such a way that no unintentional change in their position is possible. Detach lifting gear from the lowered units only if an unintentional change in their position is no longer possible.
3. During movement procedures ensure that components are picked up and set down in such a way that unintentional falling over, falling apart, sliding or rolling is prevented.
4. Use suitable load-carrying equipment to move the components and always use the designated load-bearing points on the components.
5. During the lifting and moving procedure, ensure that all loose parts are removed or secured.
6. When moving components, always use a guide rope.
7. Move components onto a clean, flat and sufficiently load-bearing substrate only.

### System-specific

1. Strike components only when the concrete has sufficiently hardened and the person in charge has given the go-ahead for striking to take place.
2. Anchoring is to take place only if the anchorage has sufficient concrete strength.
3. During striking, do not tear off the formwork units with the crane.
4. The prevailing prop loads (see Design Tables) must be safely transferred by slab props or tower systems with a sufficient load-bearing capacity.
5. The GRIDFLEX platforms are classified in Load Class 2 (permissible load 150 kg/m<sup>2</sup>). They are available as work and safety scaffolds.
6. When storing heavy items on the formwork, the load-bearing capacity must be taken into consideration.
7. Cantilevers may only be accessed after bracing has been mounted.
8. The horizontal fixed position of the slab formwork must be guaranteed. This is provided by circumferential walls and pre-concreted beams. Otherwise, transfer of the horizontal loads has to be guaranteed by means of other measures provided by the contractor (e.g. bracing). Load assumptions for horizontal loads in accordance with DIN EN 12812.

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## General

### Additional PERI product information

- GRIDFLEX brochure
- PERI Design Tables
- Pallet lifting trolley  
“Instructions for Use”
- Pallets and stacking devices  
“Instructions for Use”

The structures presented in these Instructions for Assembly and Use are shown in the form of examples with only one component size. They are valid for all component sizes contained in the standard configuration.

# A1 Storage and transport



**PERI stacking devices and pallets must not be used if the type plate is missing or illegible!**  
**Inspection and fixing of new identification markings is to be carried out exclusively by PERI!**  
**Only elements of the same size may be stacked and transported as a unit!**  
**Manually-created transportation units must be correctly stacked and secured!**  
**Pallets and stacked components are to be protected against the effects of the weather, e.g. secure elements against lifting by means of tension belts!**

For storing and transporting GRIDFLEX components, the following pallets and stacking devices are used:

- Stacking Device GF, galv. (14)  
(Fig. A1.01)
- Pallet RP 80 x 110 (15)
- Pallet GF 85 x 210, galv. (16)
- Crate Pallet 80 x 120 (17)

### Storage

- Pallets are to be stacked on a clean, flat and sufficiently load-bearing substrate.
- Storage time is a maximum of 24 months.
- The selected reference dynamic pressure is 0.39 kN/m<sup>2</sup> according to DIN 1055-4:2005-03.
- For temporary storage, insert two Stacking Devices GF into each other. (Fig. A1.02)

### Transporting loads

PERI pallets and stacking devices are suitable for lifting by crane or forklift. They can also be moved with the PERI pallet lifting trolley.

- Always attach the four-sling lifting gear using the four load-bearing points.
- Only one pallet is moved at any one time with the crane.

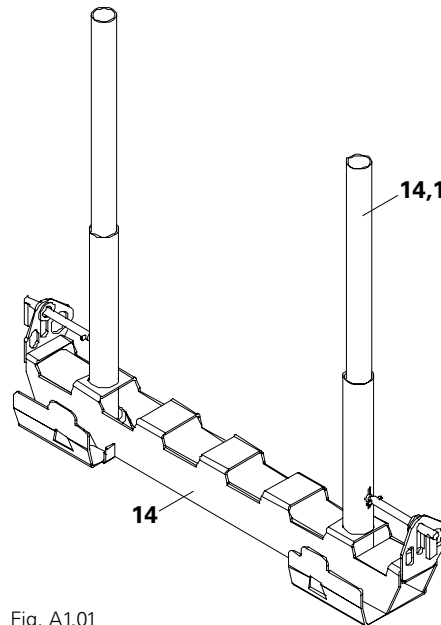


Fig. A1.01

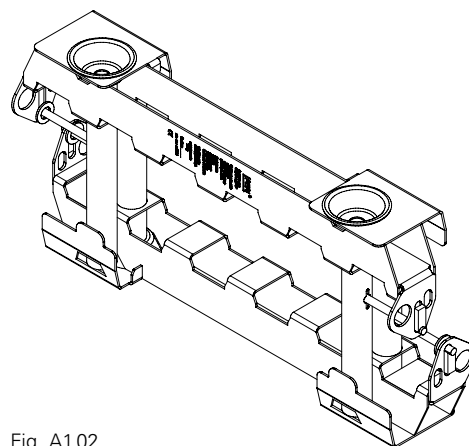


Fig. A1.02

# A1 Storage and transport

## GF Stacking Devices

**Permissible load-bearing capacity**  
**175 kg/piece.**  
**Length of 4-sling lifting gear min.**  
**3.0 m.**

The Stacking Device GF is designed to store GRIDFLEX Elements GFP, GFC and GFL.

To prevent damage during transportation, always stack an even number of elements and tension the tension belt over the Tension Belt Rails GF 92, GF 125 (14.3).

### Stack height

- 1 free-standing pallet.
- 2 pallets with wider sides of the pallets placed against a wall or stacked as one unit.

### Capacity

1. Position two Stacking Devices GF (14) corresponding to the element length (Fig. A1.03). The supports (14.2) must be pointing outwards.
  2. Pull out the bolt. (Fig. A1.04)
  3. Place the first element with the transverse profiles facing downwards.
  4. Lay the second element in the first element with the transverse profiles pointing upwards. (Fig. A1.05)
  5. Insert bolts and secure by screwing them in. (Fig. A1.07)
  6. Fit additional elements, rotated alternately.
- Secure with Pallet Extensions GF 10 (14.1).



When stacking the Filler Elements GFC, the crane lifting gear must be positioned inside of the rectangular tube.

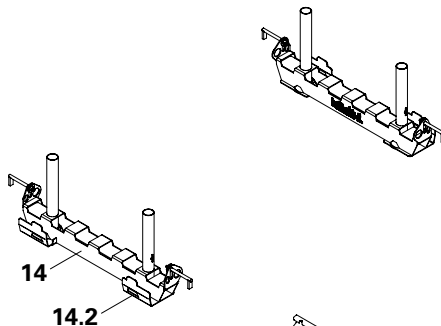


Fig. A1.03

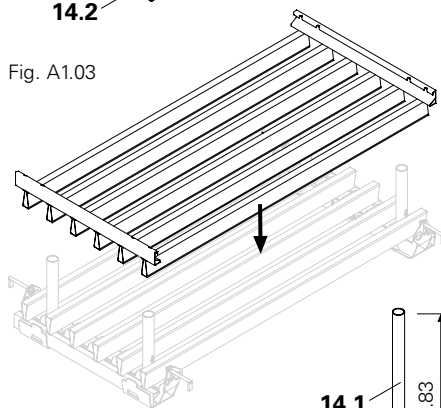


Fig. A1.05

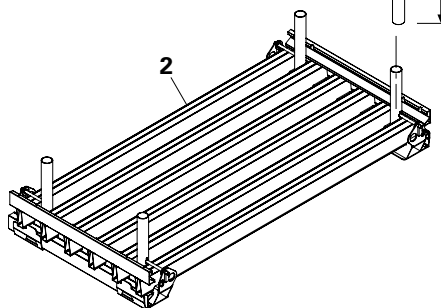


Fig. A1.06

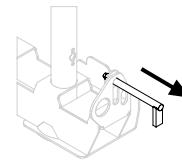


Fig. A1.04

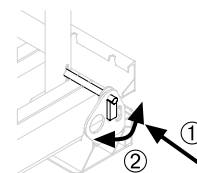


Fig. A1.07

10 x Standard Elements GFP 200 x 100  
 10 x Filler Elements GFL 150 x 100

10 x Filler Elements GFC 200 x 100

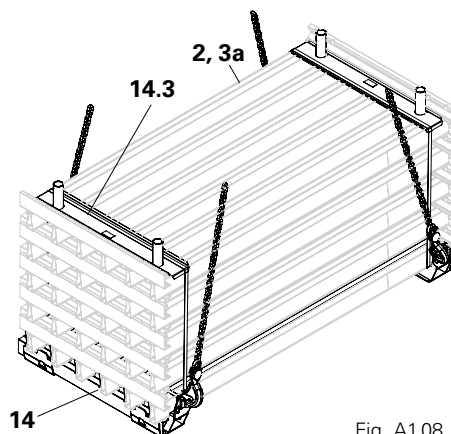


Fig. A1.08

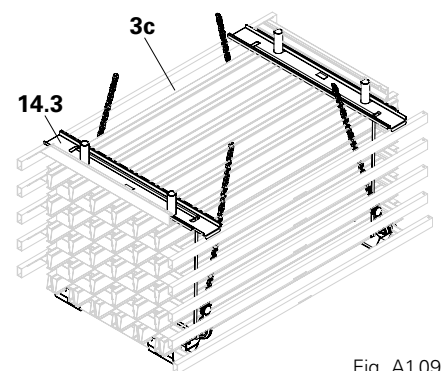


Fig. A1.09

# A1 Storage and transport

## Crate Pallet 80 x 120

**Permissible load-bearing capacity**  
**1500 kg**  
**Length of 4-sling lifting gear**  
**min. 3.0 m.**

The Crate Pallet 80 x 120 (17) is used to store GRIDFLEX Prop Heads, for example. (Fig. A1.10)



**The Instructions for Use for PERI pallets and stacking devices must be observed!**

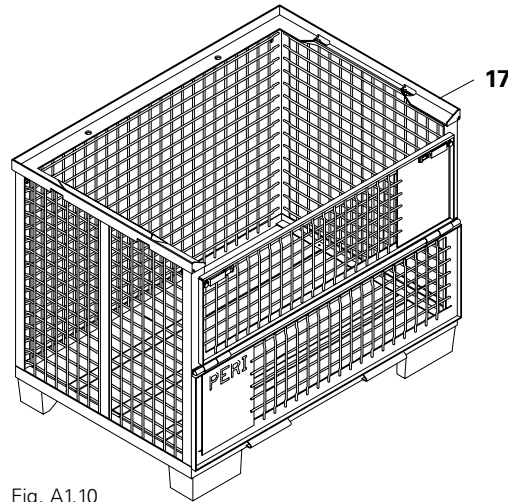


Fig. A1.10

## Pallet RP 80 x 110

**Permissible load-bearing capacity**  
**500 kg**  
**Length of 4-sling lifting gear**  
**min. 3.0 m.**

The Pallet RP 80 x 110 (15) is used exclusively for storing GRIDFLEX Guardrails GF 100 (7), maximum 12 pieces. (Fig. A1.11)

### Stack height

- Always use the same type of pallet when stacking.
- 1 free-standing pallet.
- 3 pallets with longitudinal sides positioned against the wall or stacked in combination.

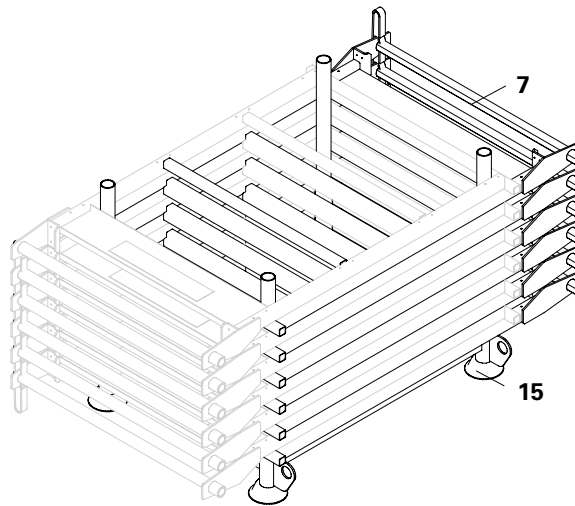


Fig. A1.11

## Pallet GF 85 x 210

**Permissible load-bearing capacity**  
**750 kg**  
**Length of 4-sling lifting gear**  
**min. 3.0 m.**

The Pallet GF 85 x 210 (16) is used exclusively for storing GRIDFLEX Filler Elements GFL 183 x 20 (3b), maximum 42 pieces. (Fig. A1.12)

### Stack height

- Always use the same type of pallet when stacking.
- 1 free-standing pallet.
- 2 pallets with longitudinal sides positioned against the wall or stacked in combination.
- Adjust height of stacked items using squared timber.

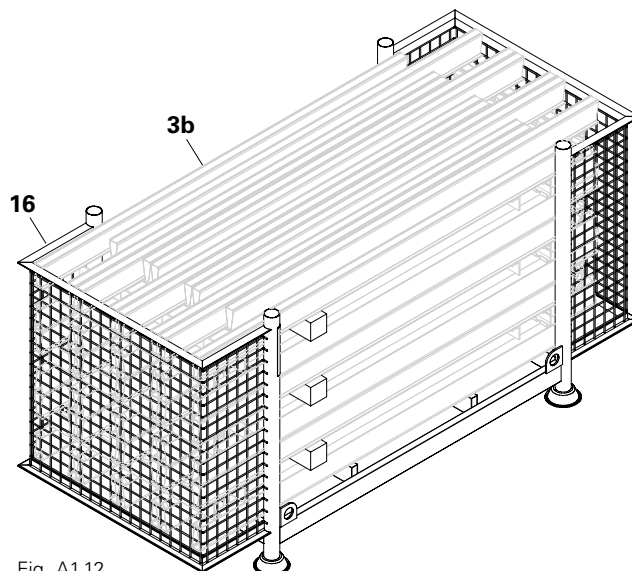


Fig. A1.12

## A2 Maintenance and cleaning

**In order to maintain the value and operational readiness of the formwork over a long period of time, the formwork should be carefully handled at all times.**

### **Care instructions**

1. Concrete vibrators with rubber end caps reduce the risk of damage to the formlining.
2. Spacers used for the reinforcement with large contact surfaces prevent impressions forming on the formlining.
3. When placing heavy items on the formlining, use support timber in order to prevent any impressions on and damage to the formlining surface.
4. Spray the components with PERI Bio Clean before every use and clean the rear side of the formwork with water immediately after concreting.
5. Spray moving parts, if required, with PERI Bio Clean.
6. Suitable PERI pallets and stacking devices are available for material-friendly transport.

Due to the powder coating, cleaning effort is kept to a minimum.

# A3 System components

## Prop Head GFH

Suitable for props with end plates measuring 125 x 125 x 8 mm and with a hole diameter of 30 – 40 mm.

(Fig. A3.01)

For hole diameters > 40 mm, the prop head must be mounted diagonally with 2x countersunk screws M10 x 25, DIN 7991 and nuts M10, DIN 7042-8.

### Assembly

Push the prop head (1) onto the end plate of the prop until it engages.

(Fig. A3.02)

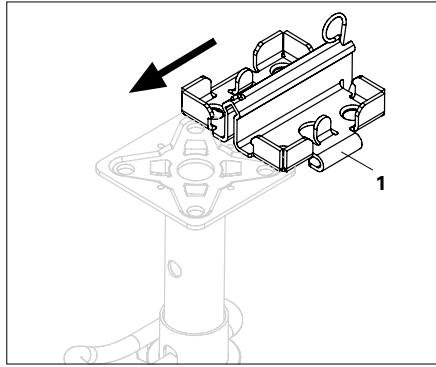


Fig. A3.01

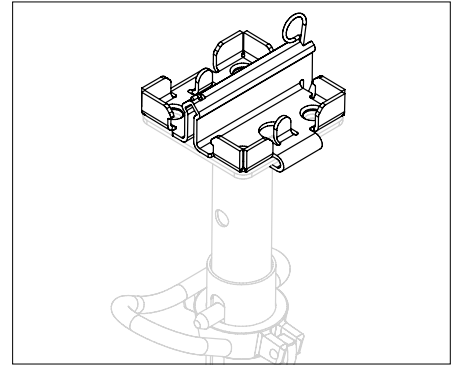


Fig. A3.02



Spring lock is engaged.

### Inserting the elements from above (for falsework)

Application involving PERI UP Head Spindle GTR 38-70/50, for example. Turn the prop head by 90°.



When inserting from above, the elements do not have any lift-off protection.

### Inserting the elements from below (standard configuration)

Application involving slab props.

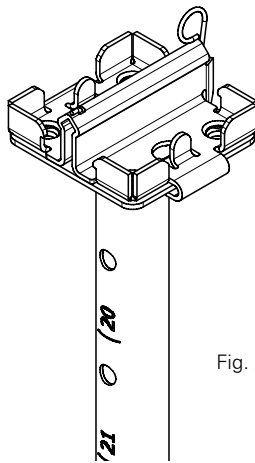


Fig. A3.03

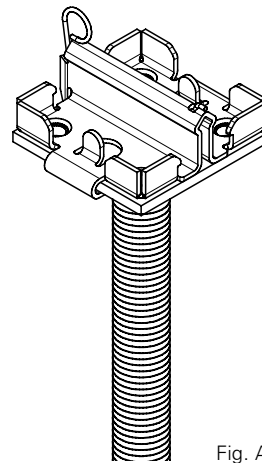


Fig. A3.04

### Extension length of the prop

Calculated from:

Clear room height minus 184 mm minus formlining thickness. (Fig. A3.05)

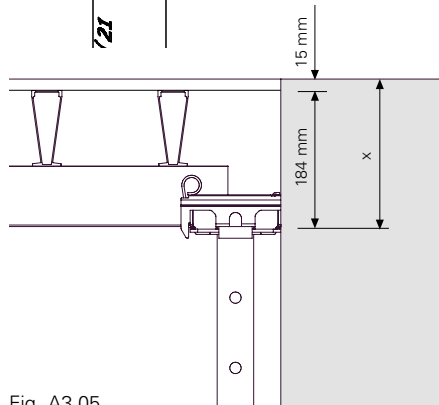


Fig. A3.05

# A3 System components

## Wall Holder GFW



**The forming area must not be accessed before the formwork has been anchored horizontally!**

The Wall Holder GFW is used to hold the slab formwork in a horizontal position during assembly. It can be mounted in both horizontal and transverse directions. (Fig. A3.06)

Fit the Wall Holder GFW in the starting bay in both directions. Turn the appropriate wall holder end upwards. Fit the Wall Holder GFW in such a way that it can be levelled. (Fig. A3.07)

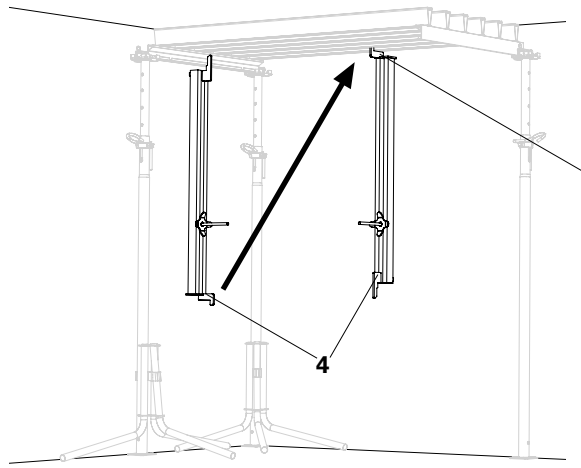


Fig. A3.06

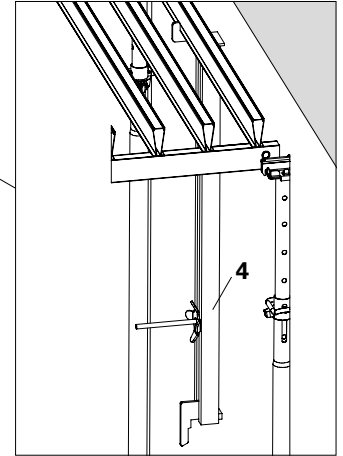


Fig. A3.07

### Assembly

1. Insert tie rod through the available tie hole together with the wingnut pivot plate.
2. Move the Wall Holder GFW (4) into position and clamp it to the wall with the wingnut pivot plate.
3. Cover protruding tie rods with protective caps.

## Shuttering Aid GFA

The Shuttering Aid GFA (11) is used to assemble and disassemble the GRIDFLEX Elements. (Fig. A3.08)  
Adjustable in 7,5 cm increments.

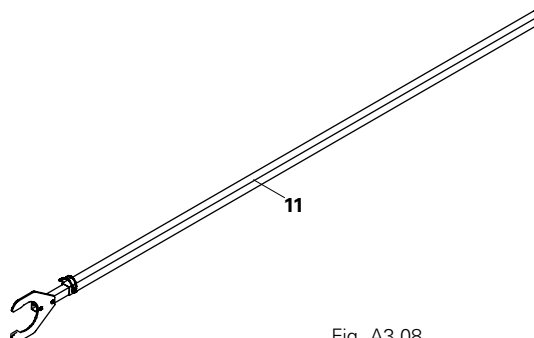


Fig. A3.08

# A4 Shuttering

## General information

The illustrations and grid dimensions shown refer to slab thicknesses with  $d \leq 33$  cm.

For slab thicknesses  $\leq 67$  cm, see the Design Tables.

The longitudinal side of the element runs in the direction of the longer wall.

Position the props in such a way that it is possible to handle the G hooks and keep them secured.

## Starting bay

1. Erect two props with prop heads (1) and secure with tripods, distance 1.0 m (Fig. A4.01)
  2. Hook in Standard Element GFP (2), white. (Fig. A4.02)
  3. Swivel it up using the shuttering aid (11) and leave it sitting on the shuttering aid. (Fig. A4.03)
  4. Place the third prop with prop head (1) at the end of the element in an inclined position from the inside and align outwards, distance 2.0 m (Fig. A4.04)
- Remove the shuttering aid.

The starting bay is complete.



Alternatively, the starting bay can be braced with the Frame PRK instead of tripods. (Fig. A4.05)



Remove two pallet extensions to facilitate removal of the elements from the pallet.

## 1. row

- Tripods can be reused for each subsequent element.
- Always carry out the work row by row in the transverse direction. (Fig. A4.06)

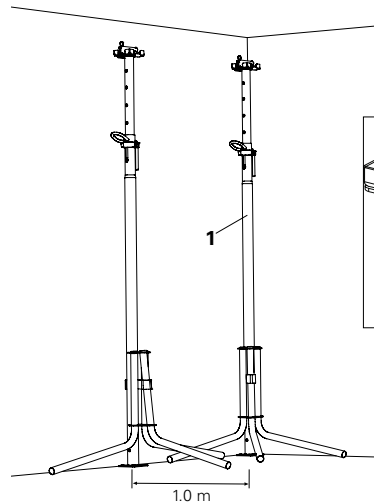


Fig. A4.01

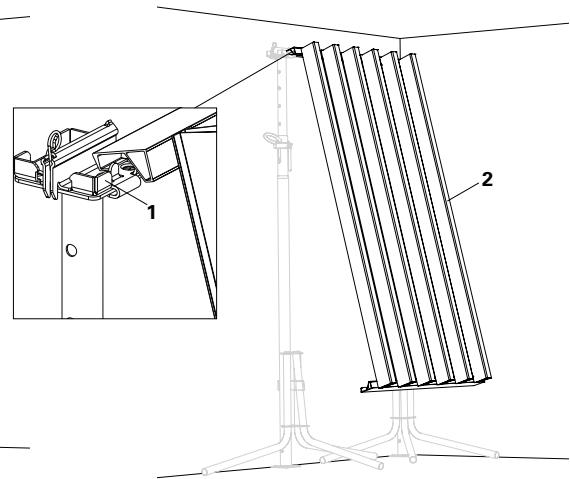


Fig. A4.02

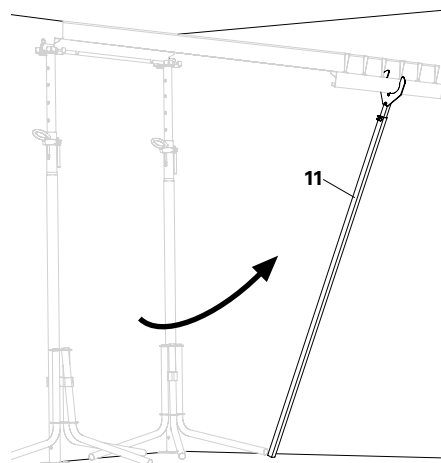


Fig. A4.03

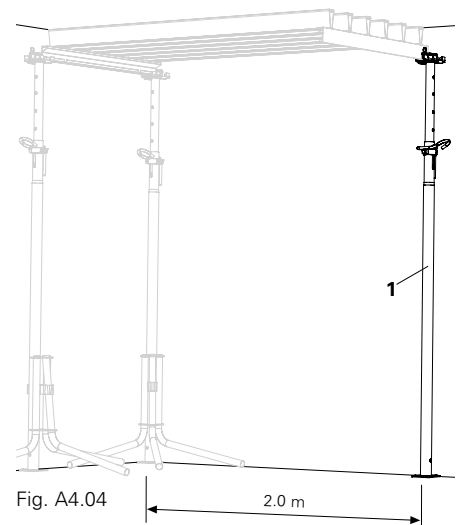


Fig. A4.04

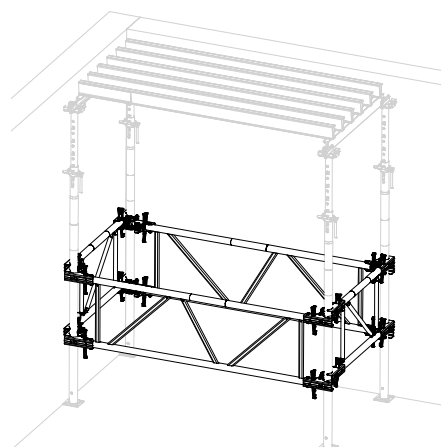


Fig. A4.05

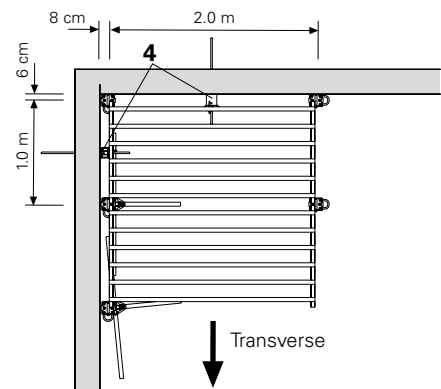


Fig. A4.06

# A4 Shuttering

## 1. row

Erect additional Standard Elements GFP (2) in the same way.



**Fit Wall Holder GFW (4) in every third standard element (transverse).  
Be mindful of the construction site situation!**

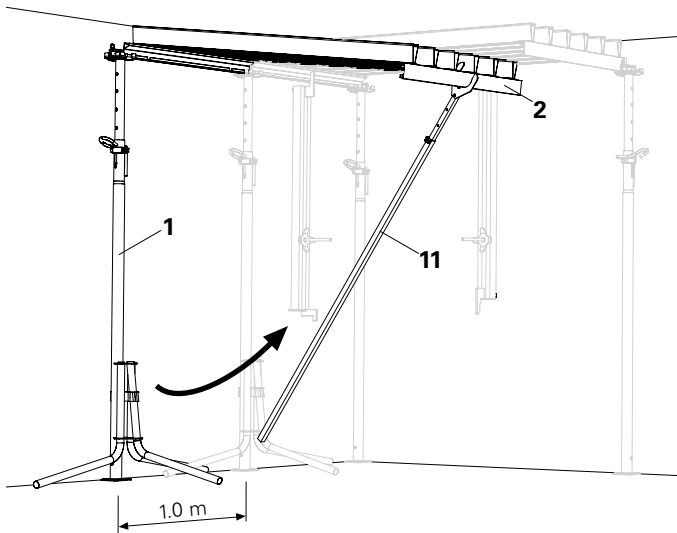


Fig. A4.07

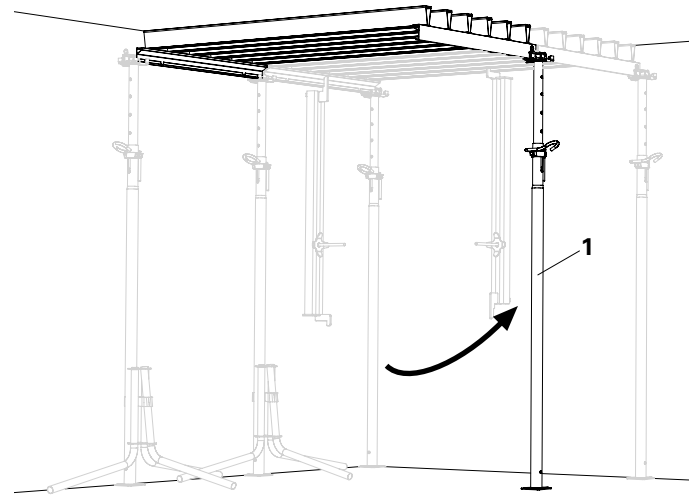


Fig. A4.08

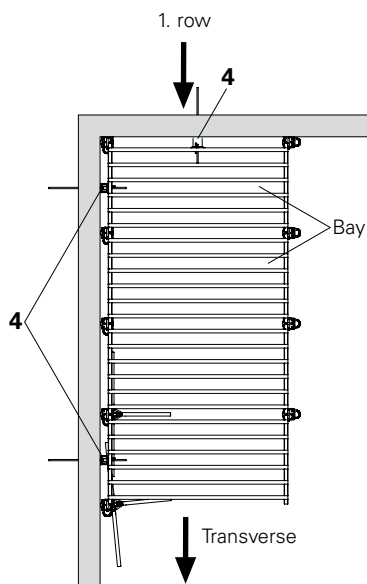


Fig. A4.09

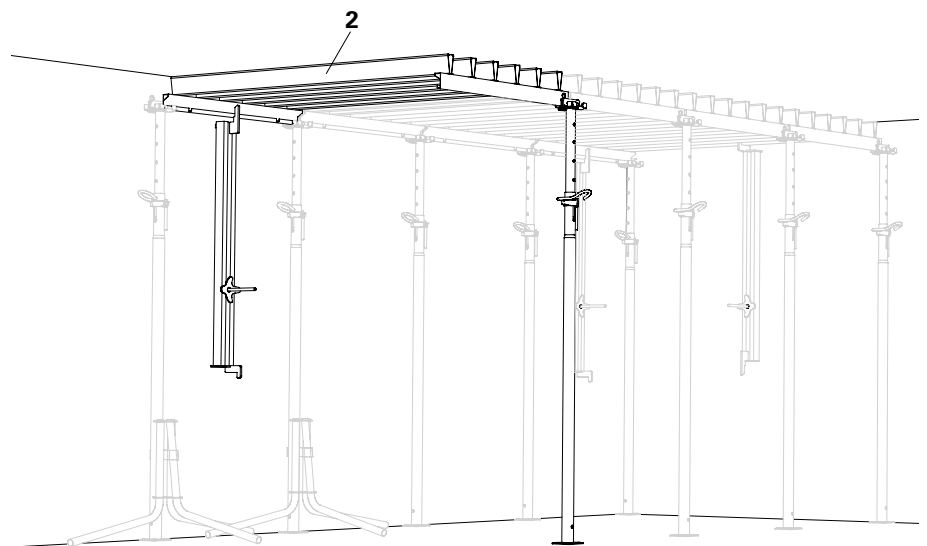


Fig. A4.10

# A4 Shuttering

## 2. row

1. Hook in Standard Elements GFP (2).  
(Fig. A4.11)

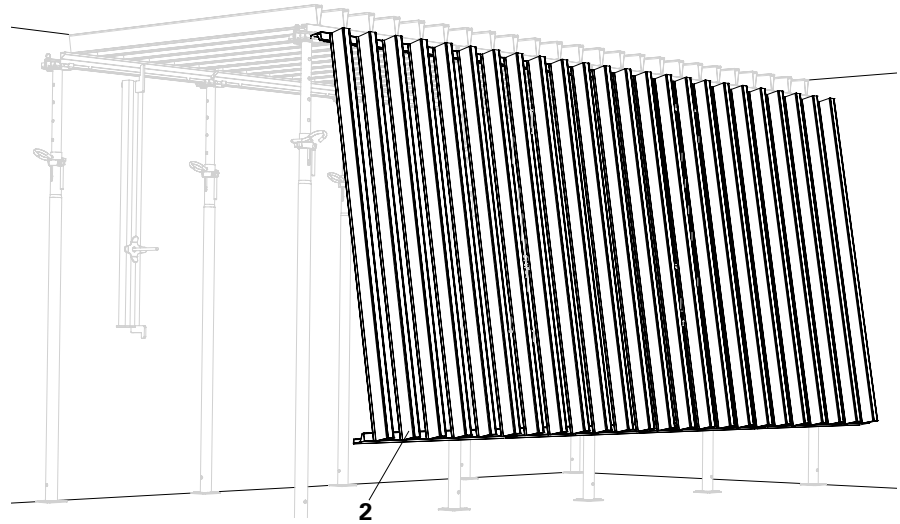


Fig. A4.11

2. Swivel the first Standard Element GFP up using the Shuttering Aid GFA and leave it sitting on the shuttering aid.  
3. Place the prop with prop head (1) at the end of the element in an inclined position from the inside and align outwards, distance 2.0 m. Remove the shuttering aid.  
(Fig. A4.12)

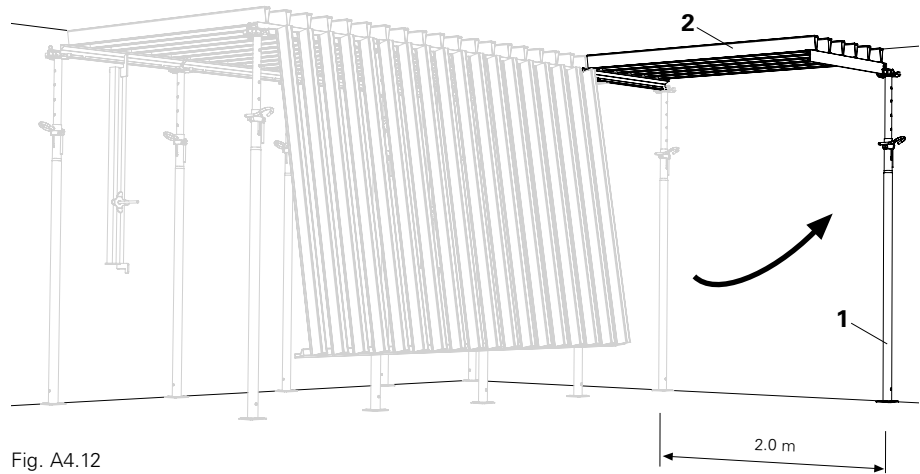


Fig. A4.12

4. Swivel the second Standard Element GFP up using the Shuttering Aid GFA and leave it sitting on the shuttering aid.  
5. Swivel the prop with the prop head (1) at the end of the element into both standard elements and set it plumb.  
(Fig. A4.13)  
6. Erect additional Standard Elements GFP (2) in the same way.

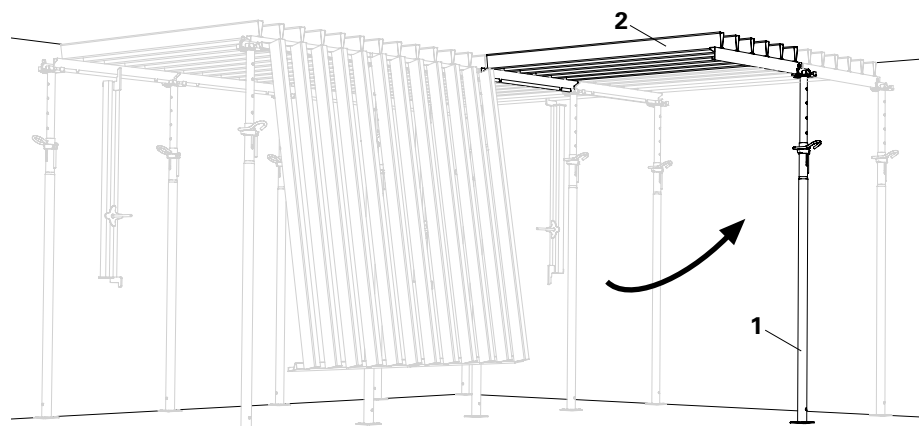


Fig. A4.13

# A4 Shuttering

## Additional rows

- Due to the recurring assembly sequence, always proceed in the same way.
- The forming process is carried out with the Standard Element GFP (2) up to the compensation. (Fig. A4.14)
- Position the final props (1) on the Standard Element GFP (white) in a recessed manner in front of the width compensation (see Compensations A5).

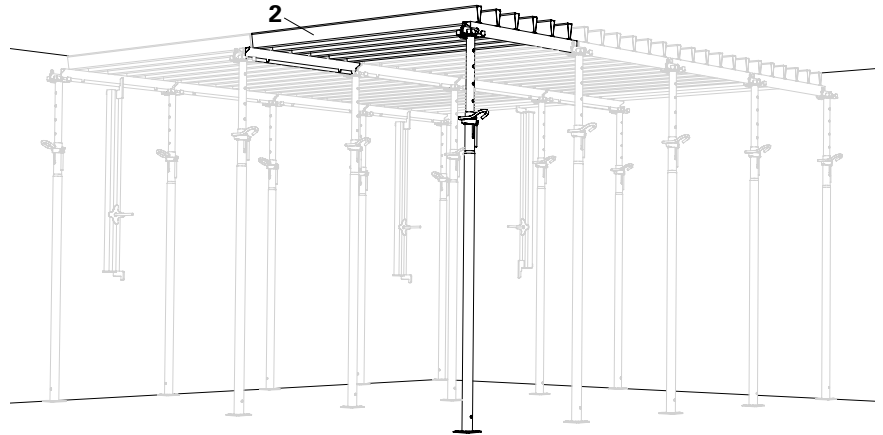


Fig. A4.14

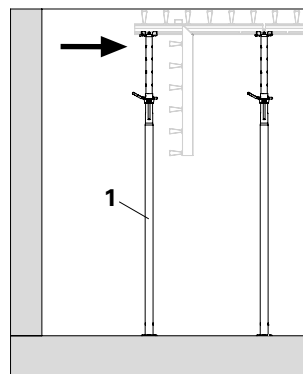


Fig. A4.15



**Fit Wall Holder GFW (4) in every second row (lengthwise). Be mindful of the construction site situation.**

(Fig. A4.16)



Make empty Stacking Devices GF available for stripping on the erection surface for the striking procedure.

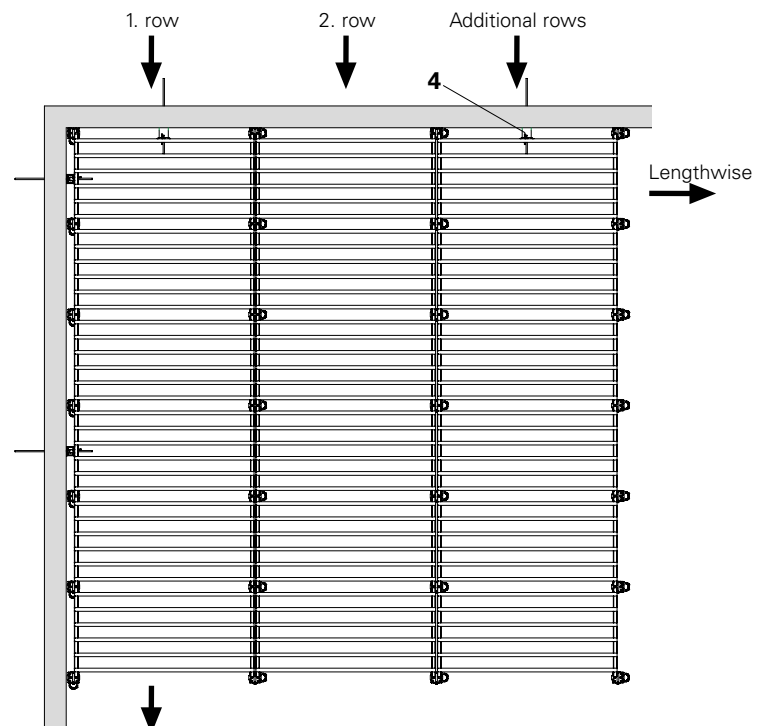


Fig. A4.16 Transverse

# A5 Compensations

## Width compensation up to 1.10 m With Filler Element GFC 200 x 100 (red)

1. Fit Filler Element GFC (3c) between the longitudinal profiles of the Standard Element GFP (2) within area X with 6 cm filler widths.



**At least one longitudinal profile must be overlapped! (Fig. A5.02)**  
**Place the protruding longitudinal profile (rectangular tube) of the Filler Element GFC (3c) on the transverse profile of the Standard Element GFP (2) (Jack L)!**

2. Swivel the Filler Element GFC (3c) up using the Shuttering Aid GFA and set the shuttering aid down.

3. Swivel in the recessed props with prop head (1) and hook it into the supports of the Filler Element GFC (3c).

4. Secure Filler Element GFC to prevent it from shifting – 1 Clamp GFK (6). (Fig. A5.04)

It is also possible to use the slot on the protruding longitudinal beam (rectangular tube).  
Alternatively: Wall Holder GFW.

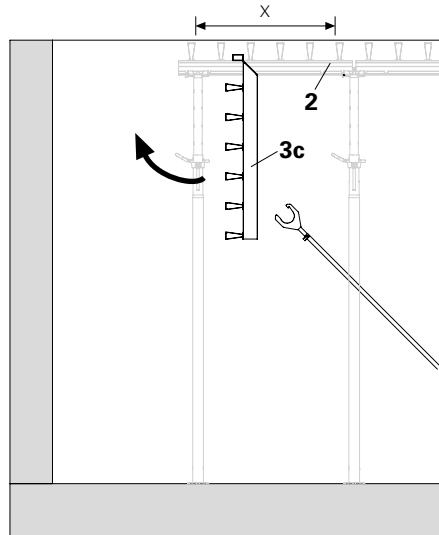


Fig. A5.01

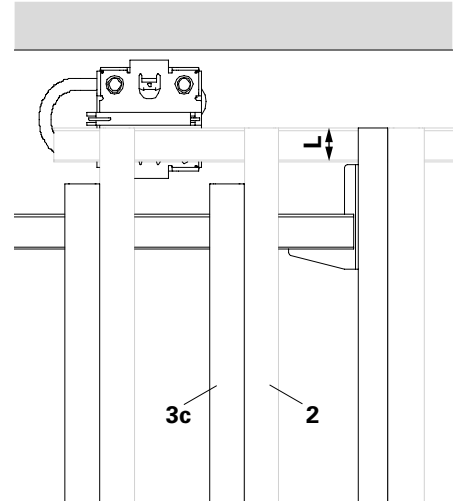


Fig. A5.02

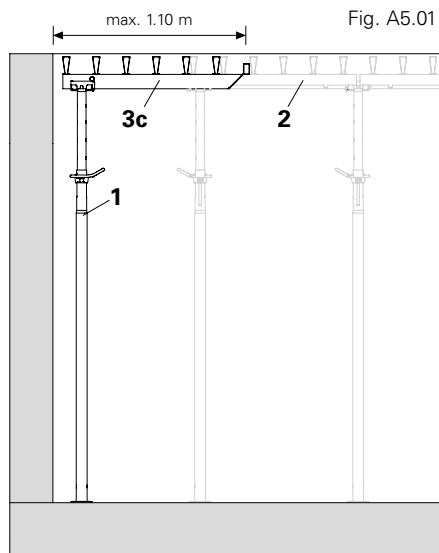


Fig. A5.03

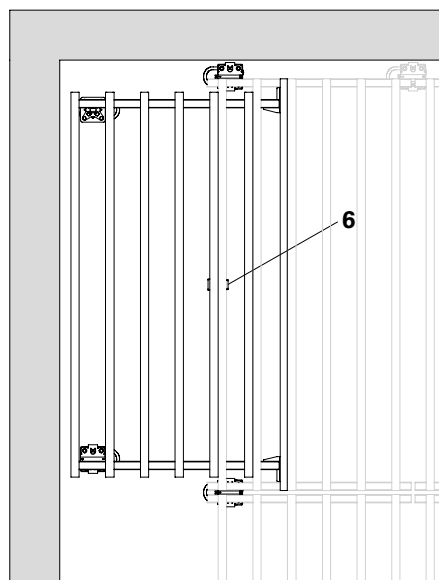


Fig. A5.04

# A5 Compensations

## Longitudinal infill

0.30 – 1.30 m

With Filler Element GFL 150 x 100 (yellow)

1. Fit the Traverse GF 100 (5) as an assembly aid at the appropriate distance in the overlap area on the Standard Element GFP (2):
  - Lift the Traverse GF 100 against the profiles from below, turn the claw towards the profile and secure it with a wedge.
2. Position the Filler Element GFL (3a) with the open end, swivel it up and hold it in position. Swivel in the props and prop heads (1) and set down in perpendicular position.
3. Secure Filler Element GFL to prevent it from shifting – 1 Clamp GFK (6).  
Alternatively: Wall Holder GFW. (Fig. A5.05)



If the hook does not engage, turn the Traverse GF 100 through 180°.

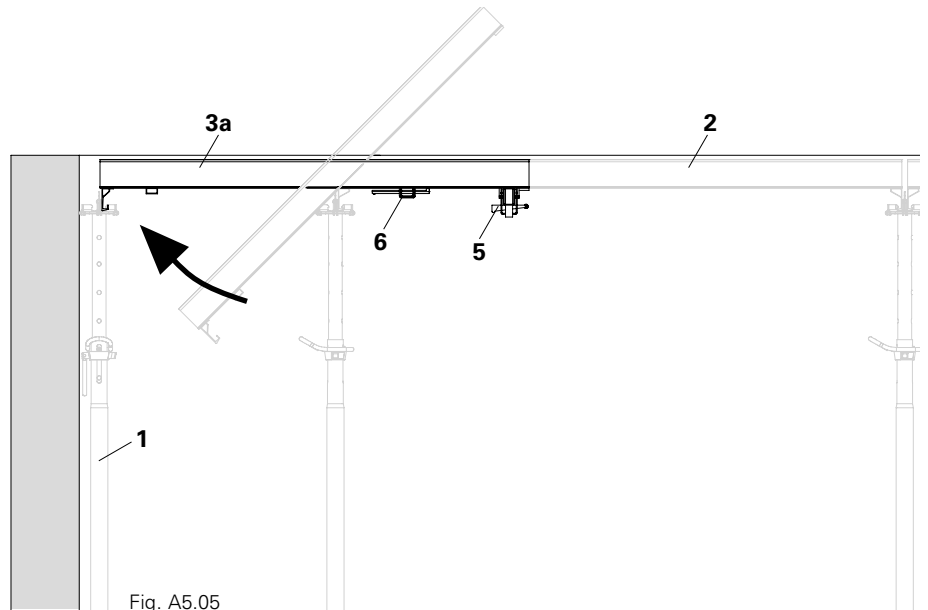


Fig. A5.05

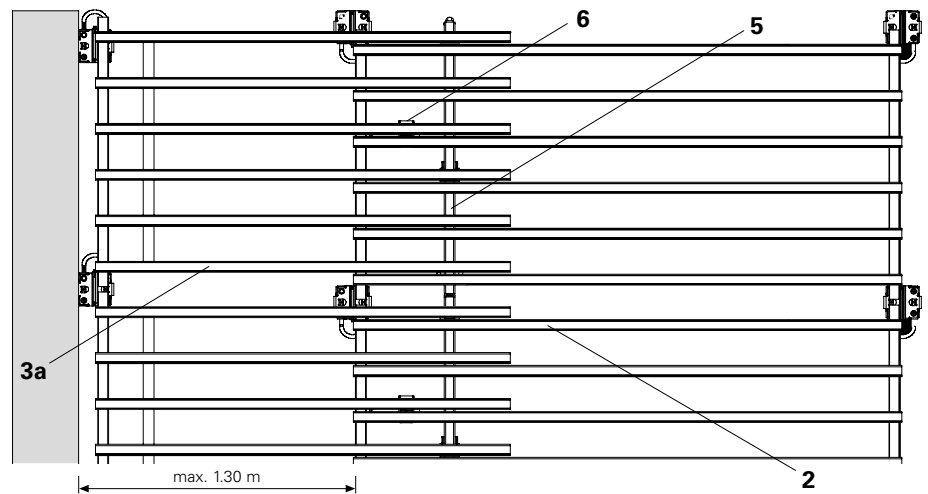


Fig. A5.06

## Longitudinal infill

up to 0.30 m

With Filler Element GFL 150 x 100 (yellow)

Turn the Filler Element GFL (3a) in such a way that the open ends face the wall.

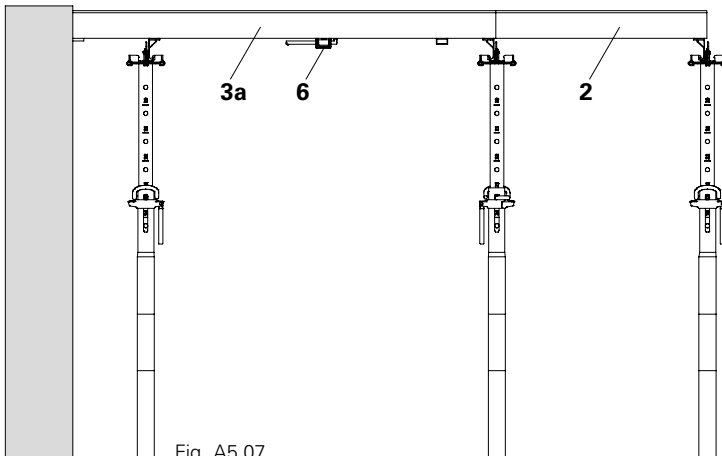


Fig. A5.07

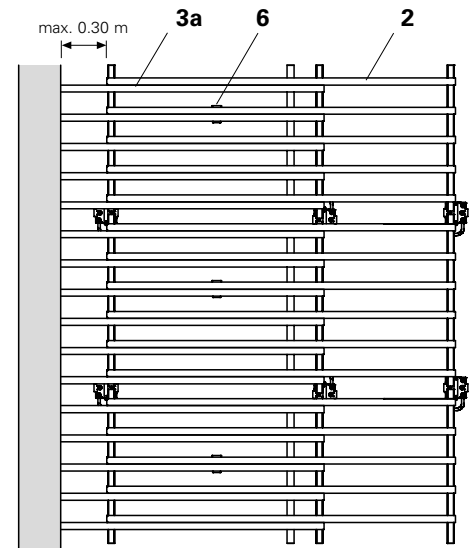


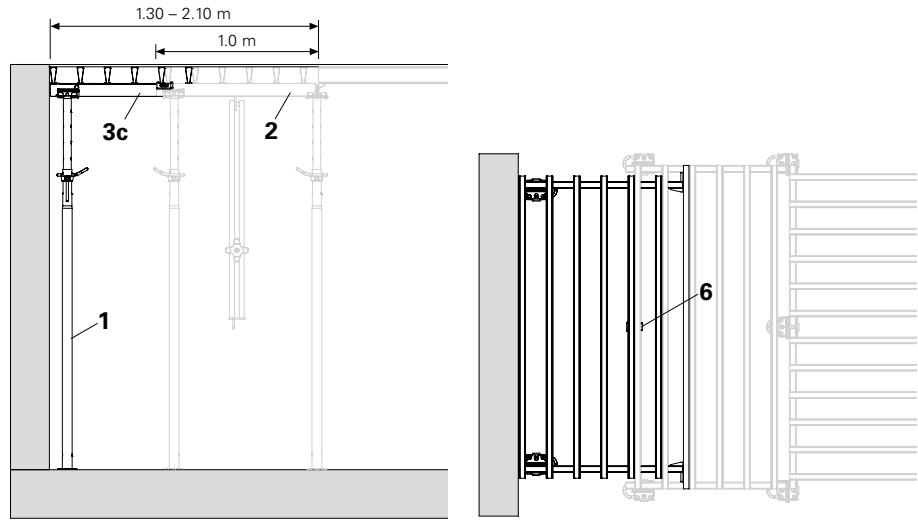
Fig. A5.08

# A4 Compensations

## Longitudinal infill 1.30 – 2.10 m

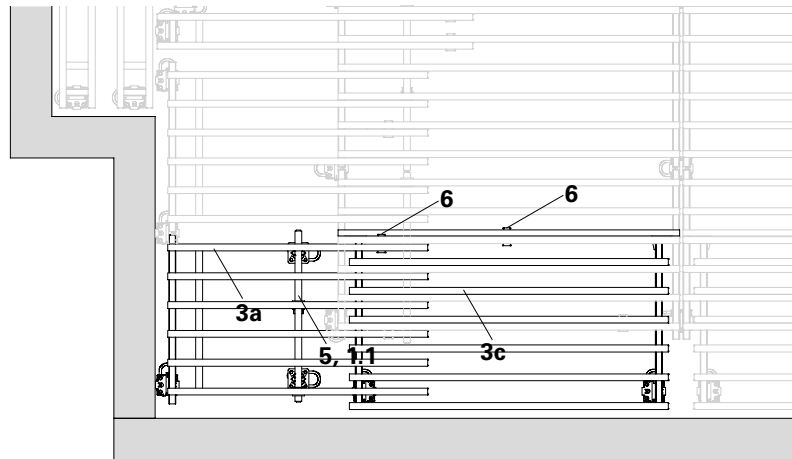
1. Fit Standard Element GFP (2) so it is rotated towards the installed elements (see Installation A2).
2. Close the compensation with the Filler Element GFC (3c).
3. Swivel the Filler Element GFC up using the Shuttering Aid GFA.
4. Swivel in the recessed props with prop head (1) and hook it into the supports of the Filler Element GFC (3c).
5. Secure Filler Element GFC with Clamp GFK (6) to prevent it from shifting. It is also possible to use the slot on the protruding longitudinal beam (rectangular tube).

Alternatively: Wall Holder GFW.



## Length and width compensation in the corner area

The Filler Element GFC (3c) for the width must not be subjected to additional load from a longitudinal infill. Therefore, at the Filler Element GFL (3a), transfer the loads of the longitudinal infill via the Traverse GF 100 (5) and props without prop head (1.1).

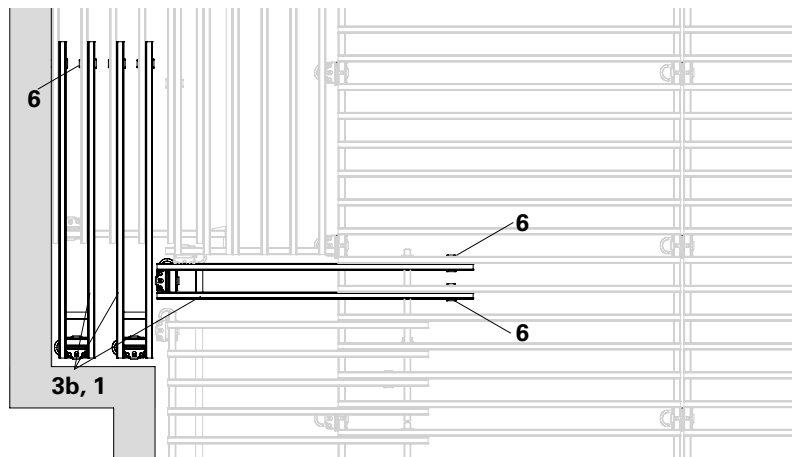


## Filler Element GFL 183 x 20 (yellow)

1. Position the Filler Element GFL (3b) and swivel it up.
2. Swivel in the prop and prop head (1) for each Filler Element GFL and set it plumb.
3. Secure Filler Element GFL with 2 Clamps GFK (6).



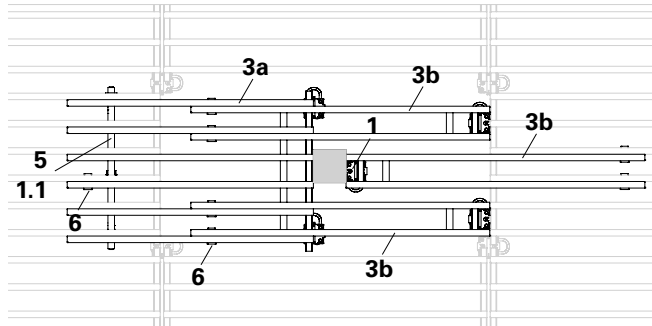
If there are several Filler Elements GFL 183 x 20 next to each other, fit one clamp for each GFL and traverse.



# A5 Shuttering around columns

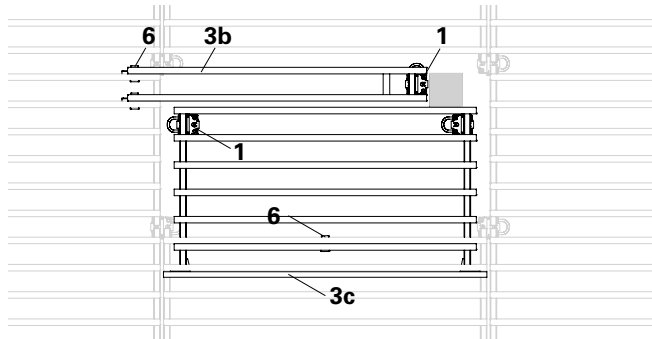
## 1 recessed Standard Element GFP

- Filler Element GFL 150 x 100 (3a)
- Filler Element GFL 183 x 20 (3b)
- Clamp GFK (6)
- Traverse GF 100 (5) + prop without prop head (1.1)
- Prop with prop head (1)



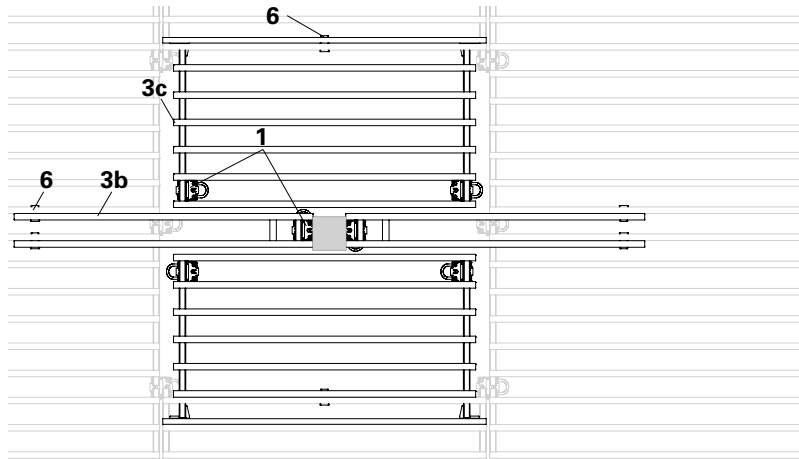
## 1 recessed Standard Element GFP

- Filler Element GFC 200 x 100 (3c)
- Filler Element GFL 183 x 20 (3b)
- Clamp GFK (6)
- Prop with prop head (1)



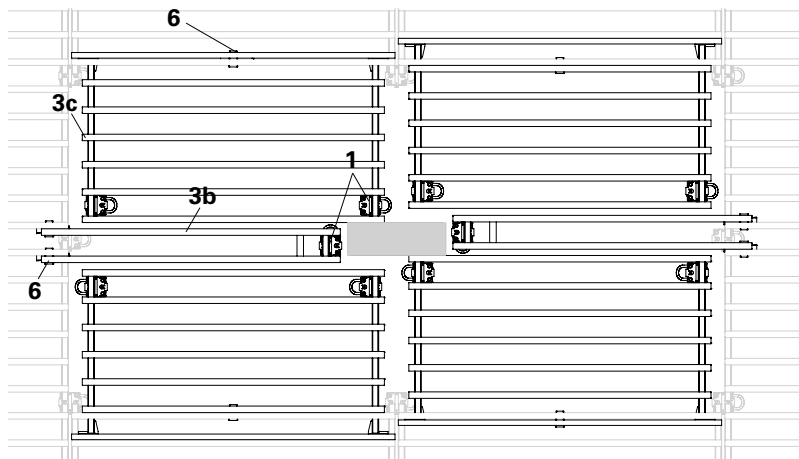
## 2 recessed Standard Elements GFP

- Filler Element GFC 200 x 100 (3c)
- Filler Element GFL 183 x 20 (3b)
- Clamp GFK (6)
- Prop with prop head (1)



## 4 recessed Standard Elements GFP

- Filler Element GFC 200 x 100 (3c)
- Filler Element GFL 183 x 20 (3b)
- Clamp GFK (6)
- Prop with prop head (1)



# A7 Cantilevers, guardrails

## General



**The area to be formed must not be accessed before the formwork has been anchored horizontally!**  
**The cantilevers must not be walked on until the bracing is installed in a form-fit manner!**

Key:

- Influencing area  
e.g. slab  $d = 26 \text{ cm}$
- Bracing

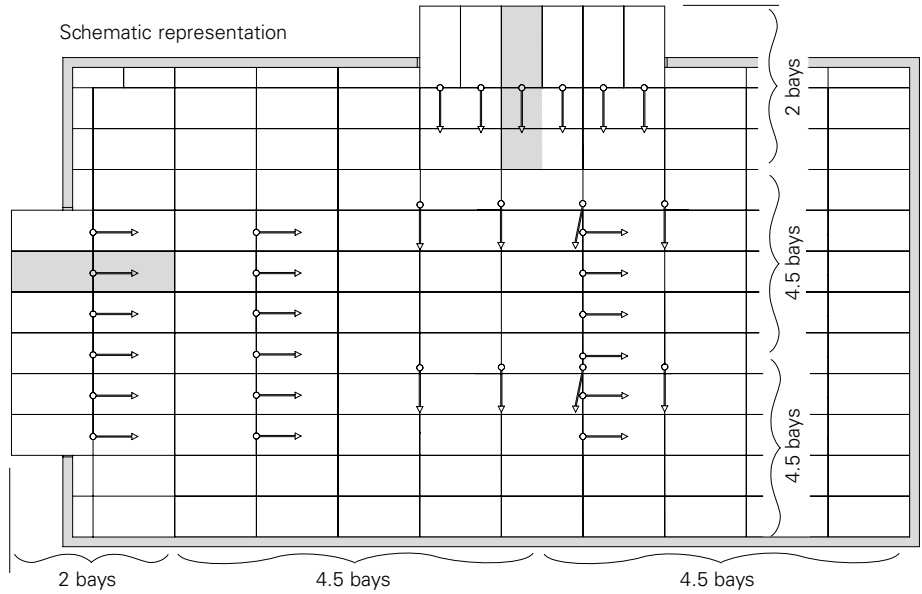


Fig. A7.01

## Bracing

- Maintain spacing
- Bays must be braced longitudinally and horizontally
- Lengthwise with Tension Sleeve GFO (12)
- In the transverse direction, wrap chain around the cross girder

Lengthwise

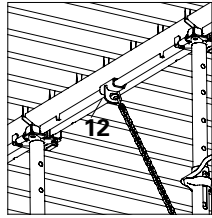


Fig. A7.02

Transverse

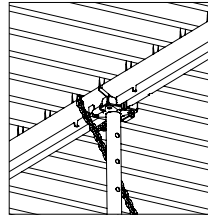


Fig. A7.03

## Cantilevers

Depending on the situation, the slab edge can be formed using different system parts, (Fig. A7.04)

e.g. with:

- Filler Element GFL 150 x 100 (3a)
- Guardrail GF (7)
- Traverse GF 100 (5) + prop without prop head (1.1)
- Bracing (12.1)

or

- Standard Element GFP 200 x 100 (2)
- Guardrail GF (7)
- Traverse GF 100 (5) + prop without prop head (1.1)
- Bracing (12.1)

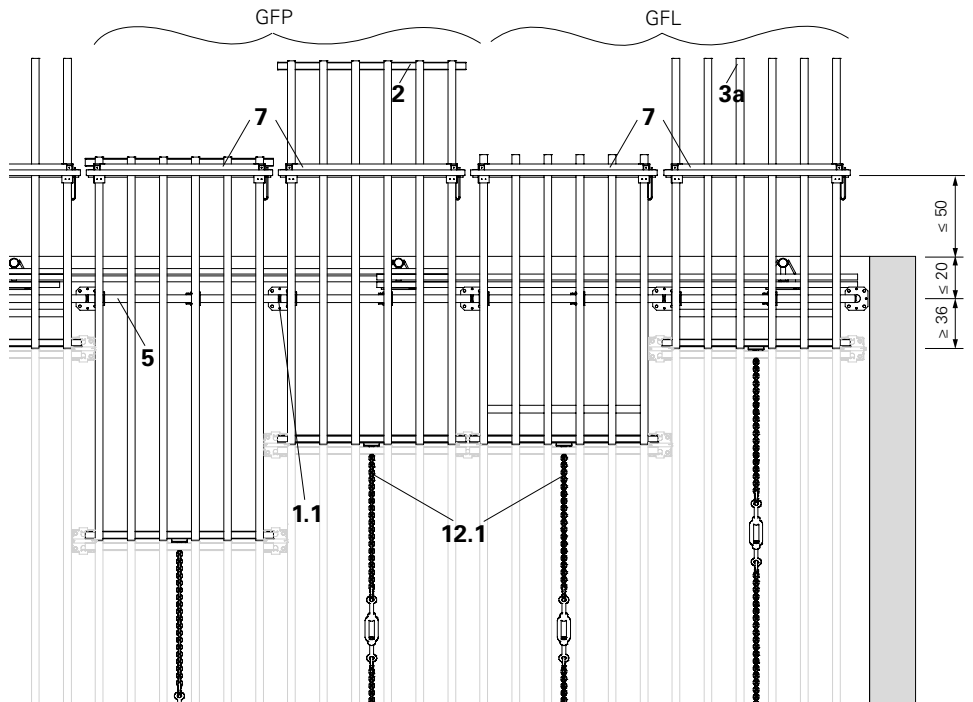


Fig. A7.04

# A7 Cantilevers, guardrails

## At the edge of the building

The Standard Element GFP (2) or the Filler Element GFL 150 x 100 (3a) with Guardrail GF can be used as anti-fall protection.

### Preparing the element and guardrail

1. Pull the tube (7.1) out of the Guardrail GF (7).
2. Position the guardrail on the element. With the Filler Element GFL on the open side.
3. Push in the tube (Fig. A7.05) and secure the guardrail by using the handle to turn the tube. Nail the guardrail to the element. (Fig. A7.07)
4. Measure the distance between the props and the edge of the building and fit the Traverse GF 100 (5) accordingly. (Fig. A7.06)

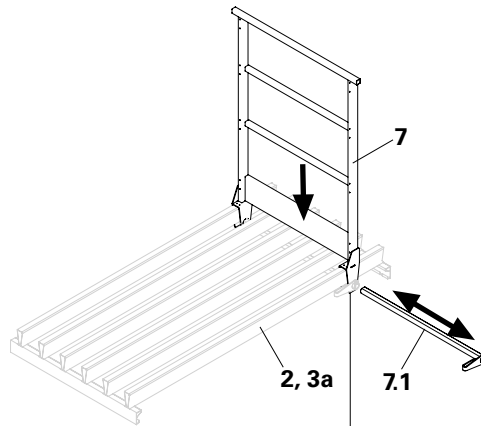


Fig. A7.05

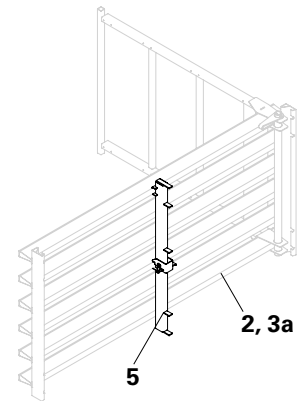


Fig. A7.06

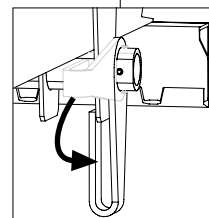


Fig. A7.07

### Installation

1. Fit the Base Plate RS with the appropriate fixing materials (e.g. PERI Tie Bolt). The permissible chain tension force is 3 kN.
2. Fasten the rope (12.2) to the inner transverse profile of the element (7) centrally. (to secure the element).
3. Hook the element (7) onto the prop heads (1).
4. Pass the rope through the outer transverse profile of the final Standard Element GFP (2) and secure the unit.
5. Fit the Tension Sleeve GFO (12) centrally on the inner transverse profile of the element.
6. Hook in the anchor chain (12.1) and fasten it with a turnbuckle.

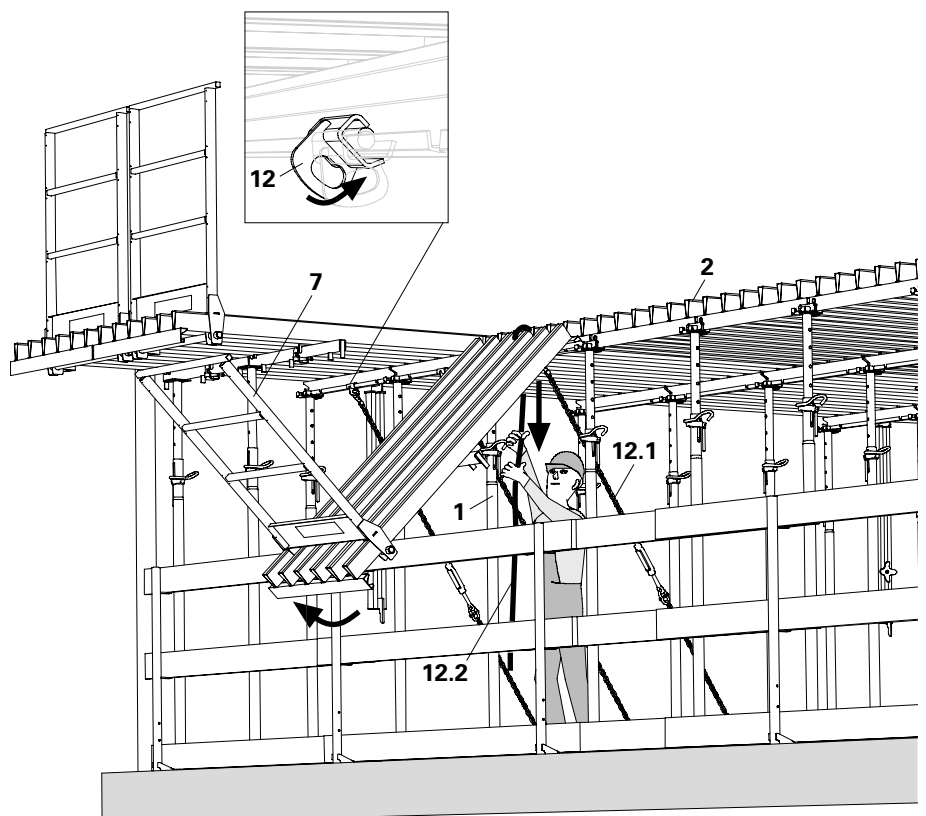


Fig. A7.08



**The rope 12.2 is only used to secure the element.**

# A7 Cantilevers, guardrails

7. Swivel the guardrail unit (7) on the Traverse GF 100 (5) upwards with Shuttering Aid GFA (11). (Fig. A7.09)
8. With the prop without prop head (1.1), pick up two Traverses GF 100 using the prop supports and support them both.
9. Remove the rope.

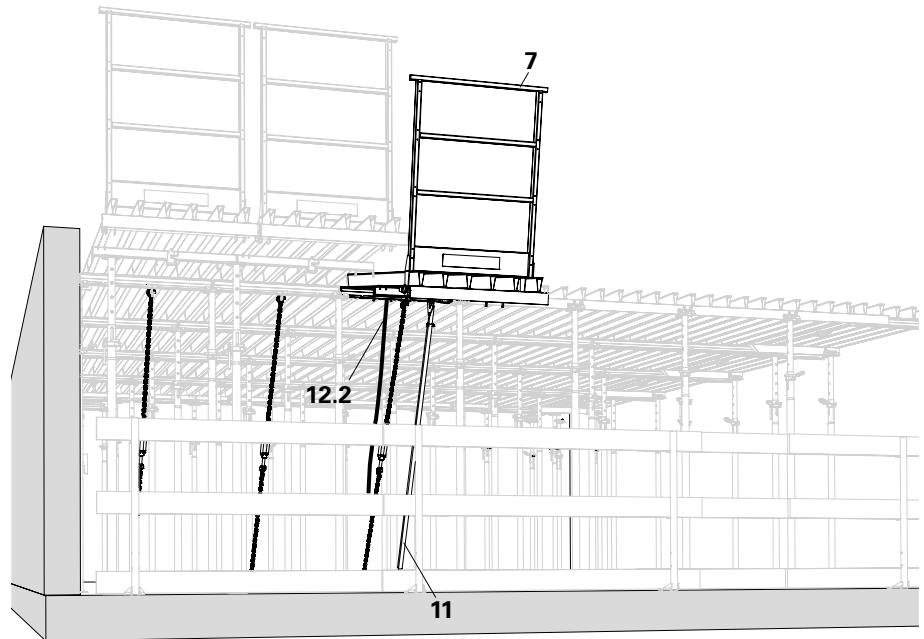


Fig. A7.09

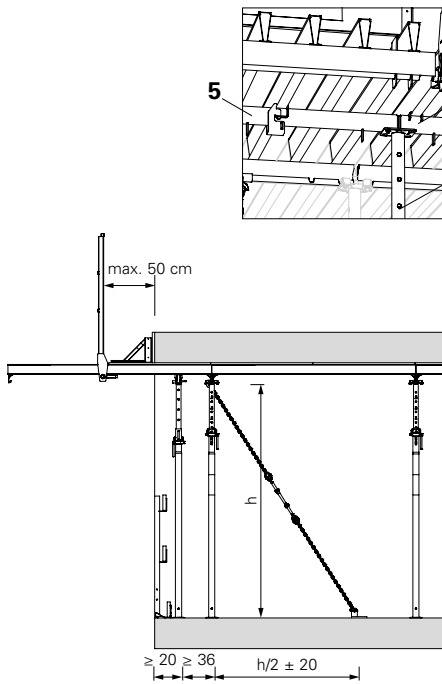


Fig. A7.10

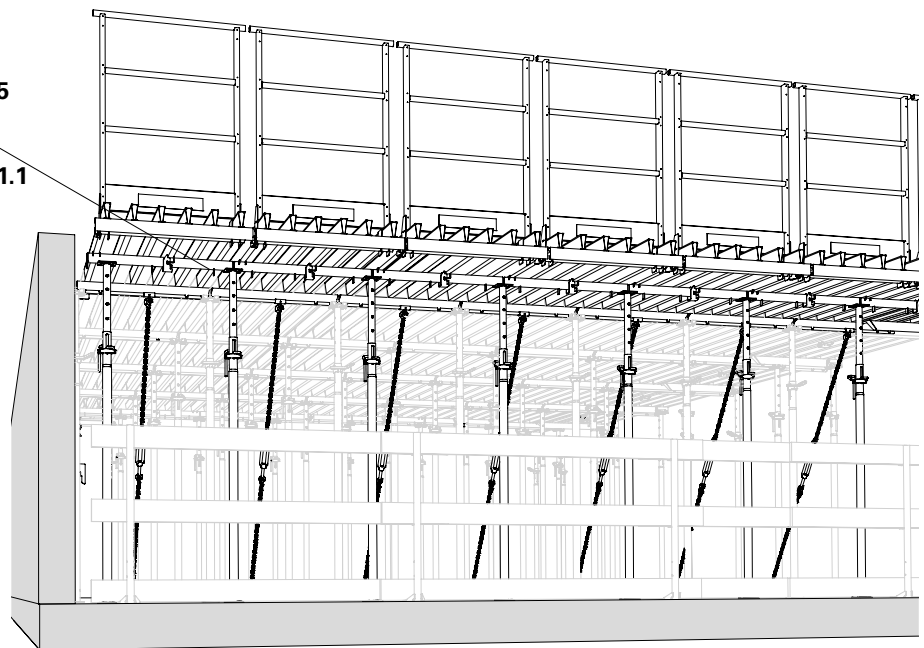


Fig. A7.11

## At the concreting section

Fit the guardrail unit (7) as described in "Preparing the element and guardrail".

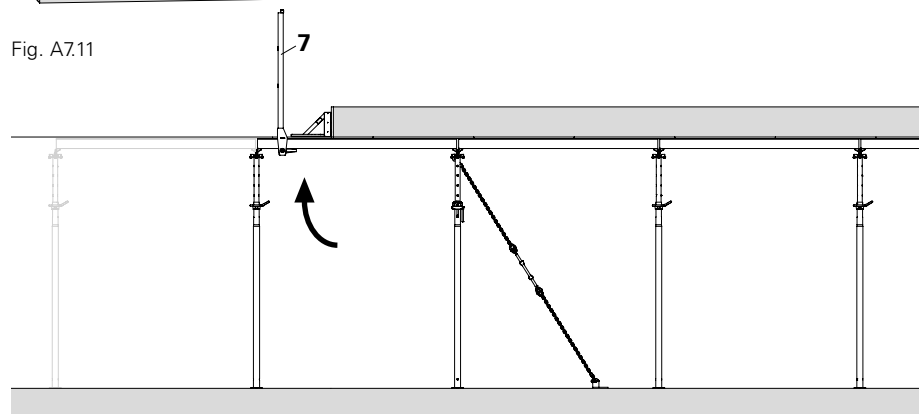


Fig. A7.12

# A8 Fitting formwork panels

**Standard configuration**

Formwork panel 1500 x 1000 x 15 mm with screw nail 2.0/2.2 x 25.

**Alternative**

Formwork panel 1500 x 1000 x 21 mm with screw nail 2.0/2.2 x 33 (e.g. Trurnit) for fixing to the longitudinal profile.



Fitting formwork panels:

- After forming the elements, after installing all anti-fall protection and after levelling work.
- Always lay the formwork panels (8) perpendicular to the standard element (makes striking easier).
- Secure formwork panels with screw nails immediately after they are laid.
- Always lay them in rows, including infill areas. (Fig. A8.01)

**Fixing the formwork panels:**

**In enclosed spaces**

1 screw nail/m<sup>2</sup>.

**On the free edge of the building**

5 screw nails/m on both panels of the final panel joint bridging the joint between the standard bay and the braced cantilever element. For the rest of the area, see "in enclosed spaces"

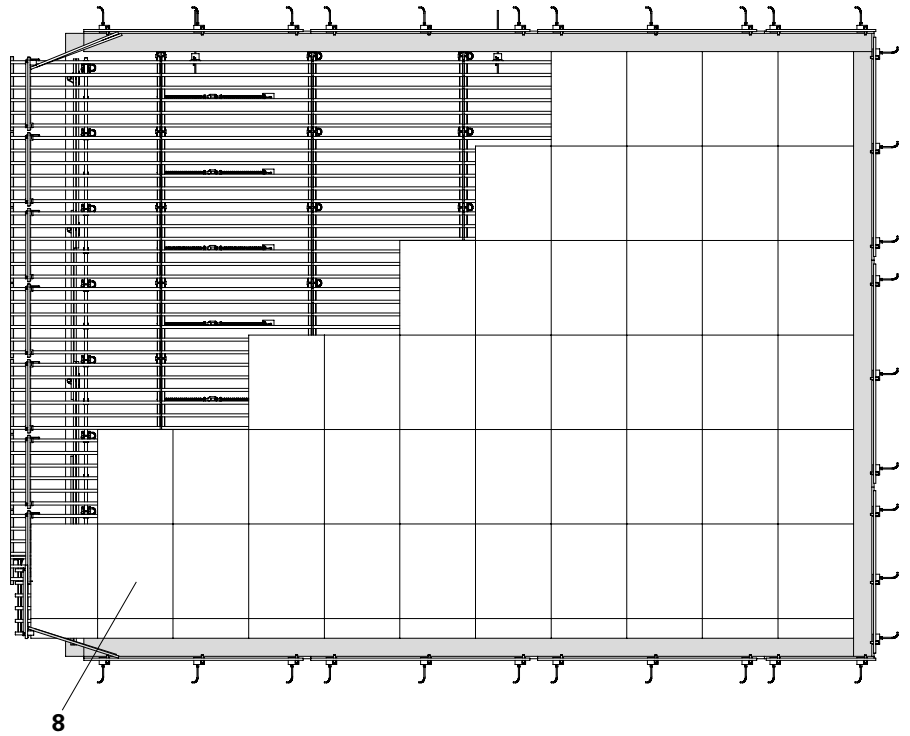


Fig. A8.01



Levelling aid (13) with a T-piece, e.g. made of formlining strips. (Fig. A8.02)

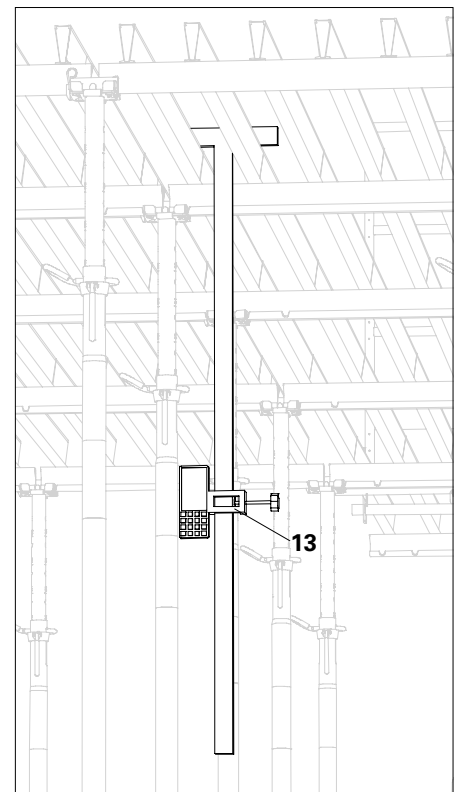


Fig. A8.02

# A8 Fitting formwork panels

## In case of increased requirements for the underside of the slab

### – Additional fixing of the formwork panel with nails:

Since temperature and humidity differences can occur between the top and bottom of the formwork panel (8), it is recommended to tack the corners of the formwork panel with nails.

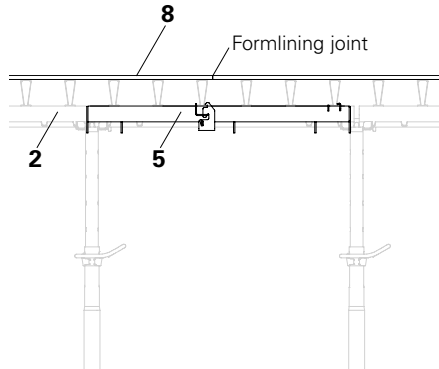


Fig. A8.03

### – Additional support for the element using Traverse GF 100 to prevent misalignments:

#### In the bay

Attach the Traverse GF 100 (5) on the Standard Element GFP (2) to the longitudinal beam with the smaller formwork panel projection. (Fig. A8.03/A8.04)

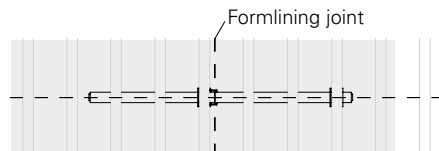


Fig. A8.04

#### In the edge area

Support the Standard Element GFP (2) centrally using Traverse GF 100 (5) and the prop without prop head (1.1) close to the wall. (Fig. A8.05/A8.06)

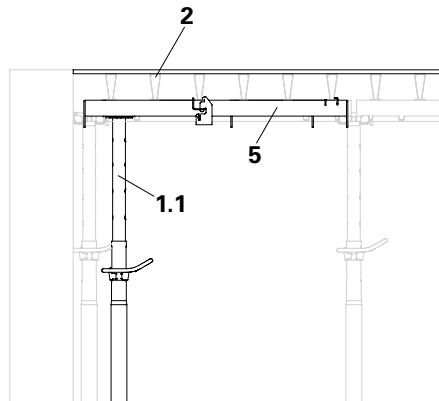


Fig. A8.05



Fig. A8.06



#### In compensation areas

In the case of narrow transverse infill areas and high slab loads, relieve the load on the Filler Element GFC (3c) centrally using the Traverse GF 100 (5) and two props without prop head (1.1). (Fig. A8.07)

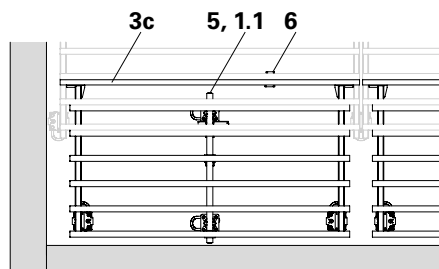


Fig. A8.07

# A9 Working and concreting scaffolds

## Corner Platform GCP

Permissible load 150 kg/m<sup>2</sup>

Corner Platform GCP (9) for round and rectangular columns with cross-sections of 20 – 50 cm at building corners.

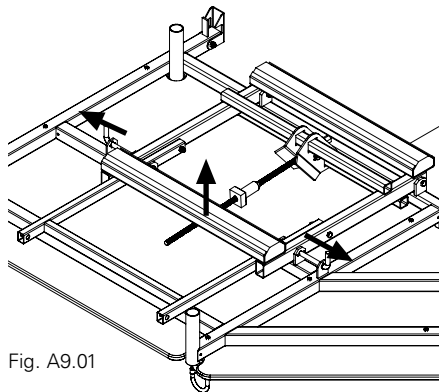


Fig. A9.01

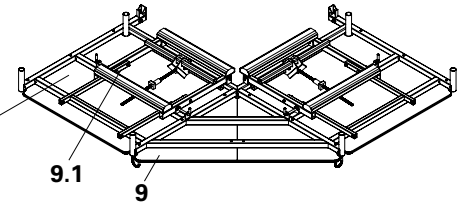


Fig. A9.02

### Preparing the platforms

1. Fold down and lock the supports (9.1). (Fig. A9.03/A9.04)
2. Turn over corner platform, attach with 3-sling lifting gear and pull up. (Fig. A9.05/A9.06)
3. Insert the platform guardrails (9.2) and connect them to each other. (Fig. A9.07/A9.08)

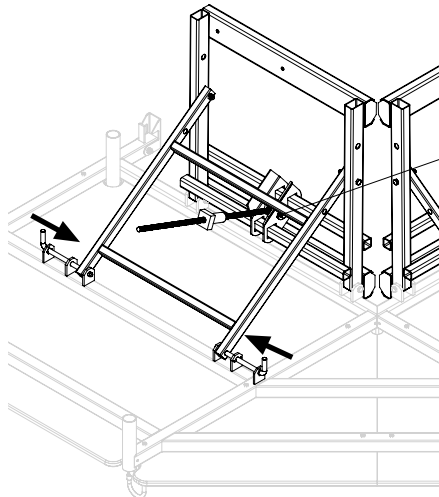


Fig. A9.03

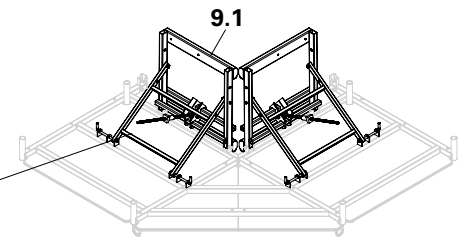


Fig. A9.04

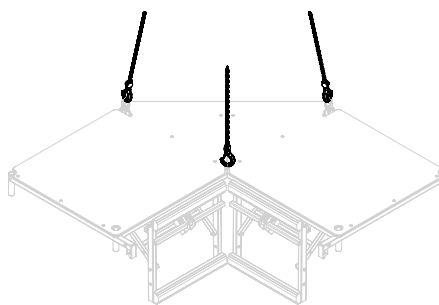


Fig. A9.05

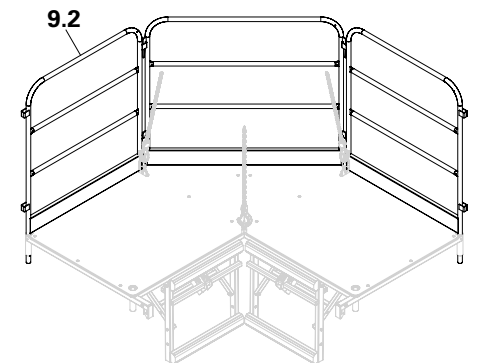


Fig. A9.06

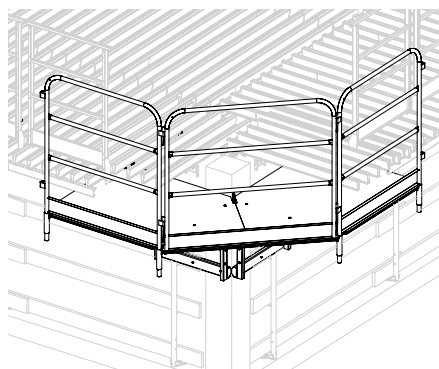


Fig. A9.07

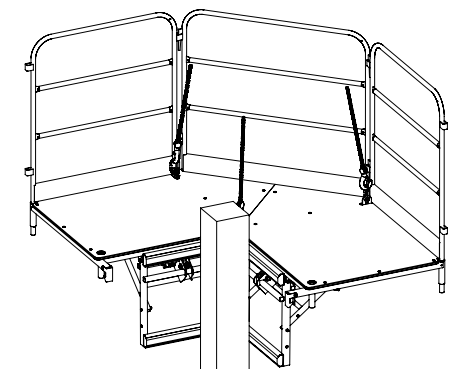


Fig. A9.08

# A9 Working and concreting scaffolds

## Mounting the platform on the column

The corner platform must hang beneath the slab formwork that has already been erected.

1. Adjust the slab prop to the correct length ahead of time.

**Extension length of the slab prop = clear height – 43.5 cm – panel thickness.**

2. Screw the Interior Angle GCP (9.4) to the slab prop (2x M12 x 40 ISO 4016-4.6 MU), position on the column and secure. (Fig. A9.09)
3. Position the corner platform.
4. Hook the tie rods into the Interior Angle GCP (9.4) and tension slightly.
5. Adjust corner platform and slab prop to the same height and tighten tie rods (9.3), AF 24. (Fig. A9.10)

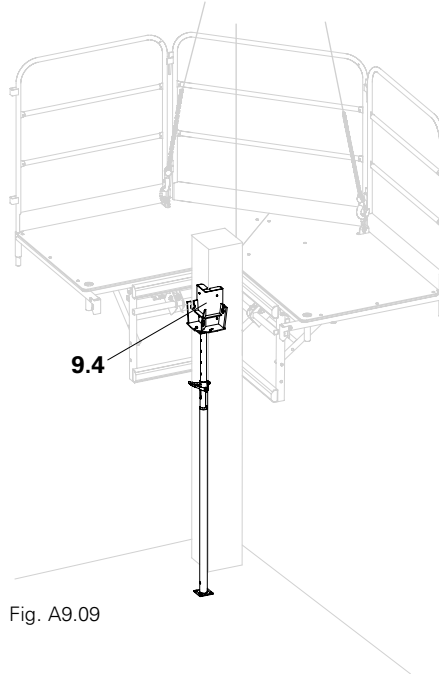


Fig. A9.09

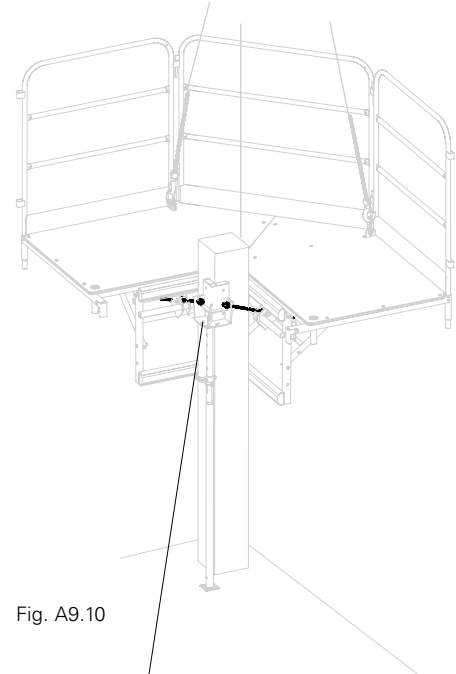


Fig. A9.10



The corner platform must be braced inwards according to the cross-section and concrete strength of the column. The platform generates additional torque of up to 5 kNm. (Fig. A9.11)

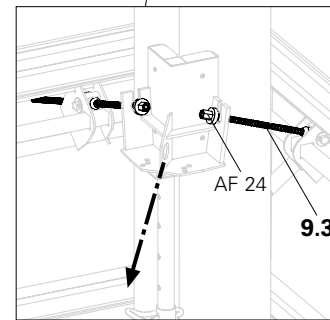


Fig. A9.11

6. Support the platform on the right and left with props.
7. Unhook the crane lifting gear from the slab formwork. (Fig. A9.12)

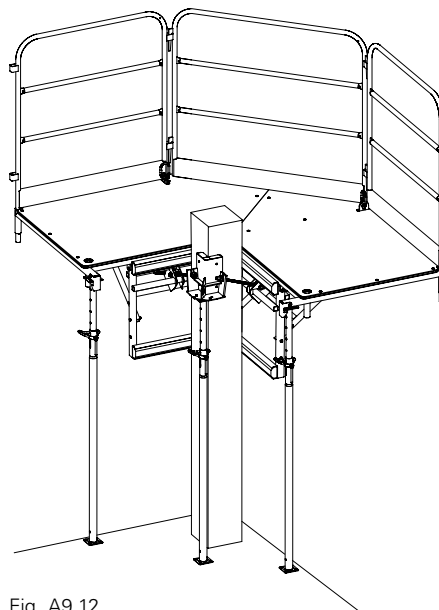


Fig. A9.12

# A9 Working and concreting scaffolds

## Platform GIP 200

**Permissible load 150 kg/m<sup>2</sup>**

Use Platform GIP (10) in conjunction with Filler Element GFL 183 x 20. The platform is used at obstructions, such as columns.

### Assembling the platform

1. Place the longitudinal beams (10.1) on squared timber.
2. Push the cross girder (10.2) onto both longitudinal beams and pin it in place (grid 5 cm). (Fig. A9.13/A9.14)
- Adjust the prop spacing (L) (see Installing the platform). (Fig. A9.13)

### Prop spacing $L = X$ minus 12 cm

3. Hook the platform frame (10.3) into the hooks of the longitudinal beams. (Fig. A9.16)
4. Hook in the guardrail (10.4) and fix it to the longitudinal beam with the captive bolts. (Fig. A9.18)
5. Platform (10) is fully assembled. (Fig. A9.18)

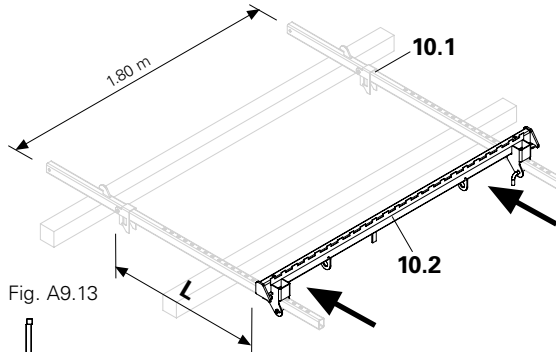


Fig. A9.13

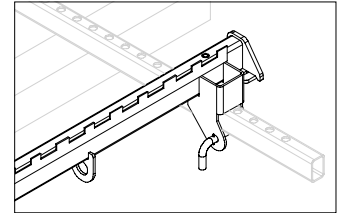


Fig. A9.14

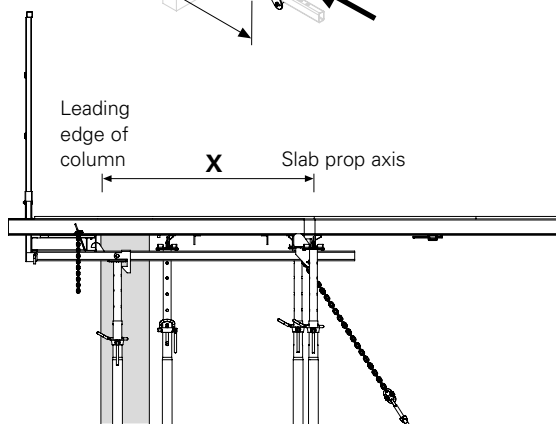


Fig. A9.15

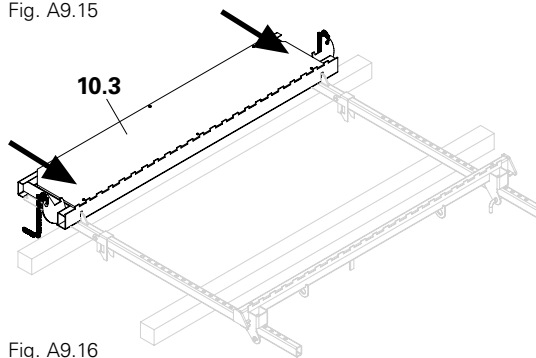


Fig. A9.16

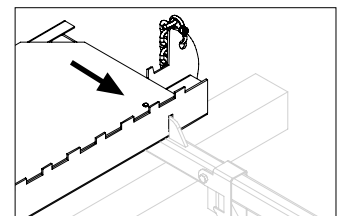


Fig. A9.17

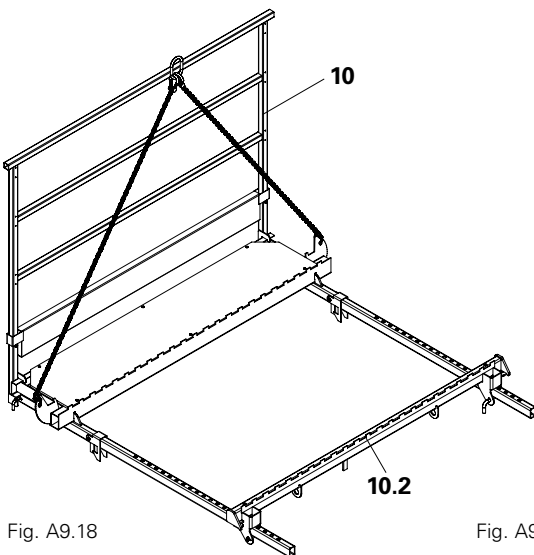


Fig. A9.18

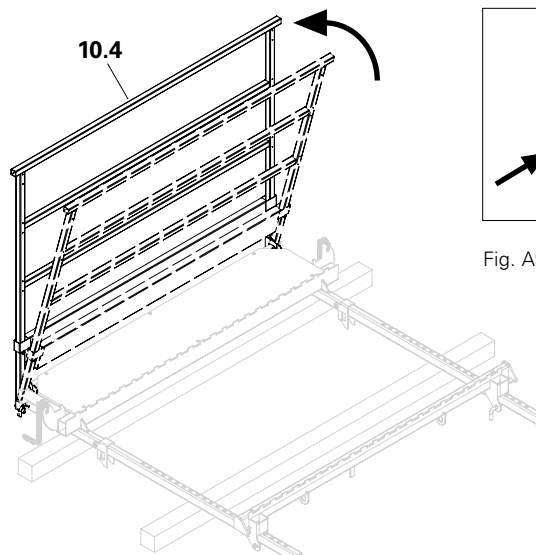


Fig. A9.19

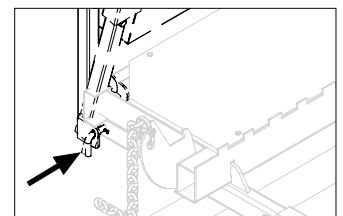


Fig. A9.20

# A9 Working and concreting scaffolds

## Installing the platform

1. Push the longitudinal beam (10.1) beneath the existing elements. (Fig. A9.21)

Hook the cross girders (10.2) into the prop heads.

2. Lower the platform (10) and engage it on the two props at the edge of the building.

3. Use two chains (12.1) to secure the platform to the eyelets of the cross girder (10.2).

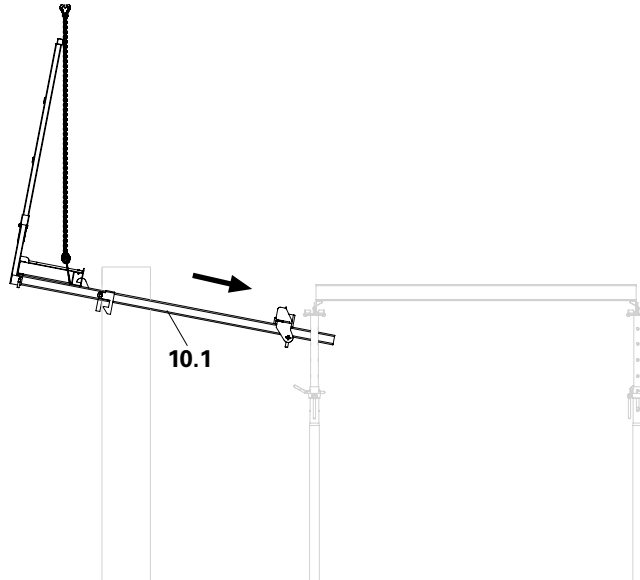


Fig. A9.21

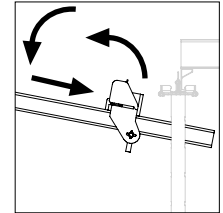


Fig. A9.22

4. Lower the crane lifting gear and unhook it from the erection area (see detail). (Fig. A9.24)



**The cantilevers must not be walked on until the bracing is installed in a form-fit manner!**  
**Always unhook the crane lifting gear from the erection area!**

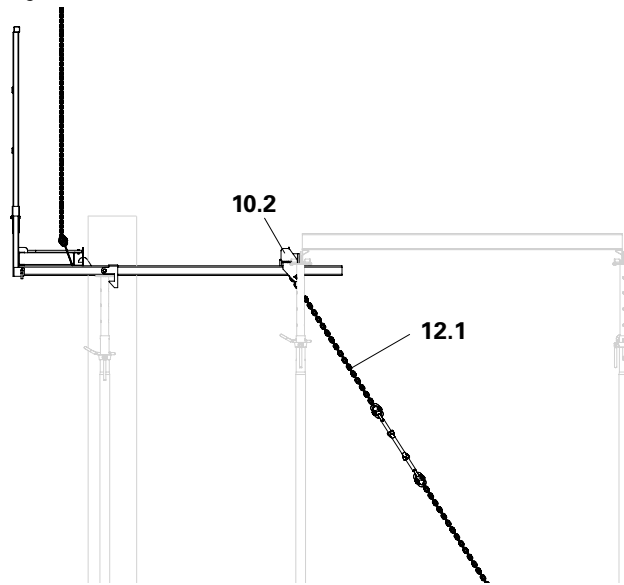


Fig. A9.23

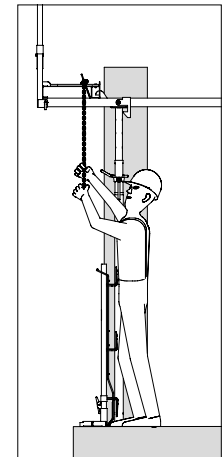


Fig. A9.24

5. Support the platform on the cross girder using the third prop without the prop head (1.1) (to accommodate the slab prop on the cross girder). (Fig. A9.25)

6. Insert Filler Elements GFL 183 x 20 (3b) from the erection area.

7. Place the Filler Elements GFL 183 x 20 at the point of disruption using props (1) and connect them with the Clamp GFK (6), see top view. (Fig. A9.26)

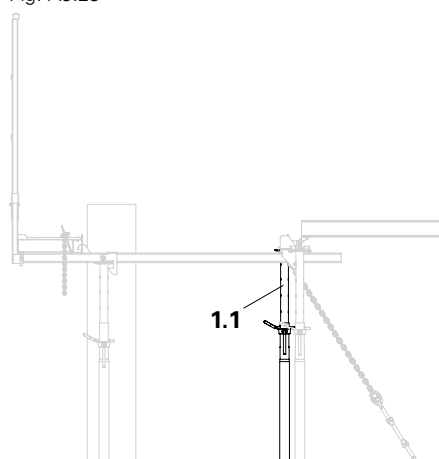


Fig. A9.25

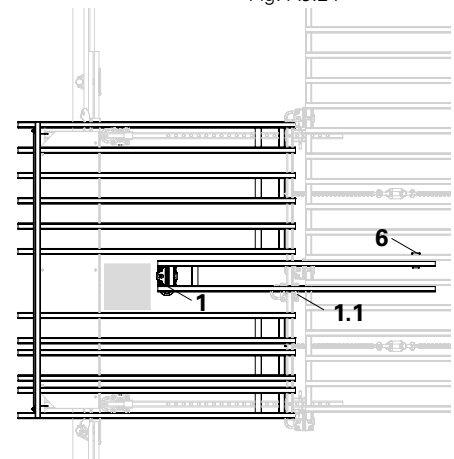


Fig. A9.26

# A10 Striking



**Remove formwork panels one by one. Stabilise the edge supports on a continuous basis using tripods! In the infill area, support the Filler Elements GFL 183 x 20 and GFL 150 x 100 with auxiliary props!**

## Striking rules for enclosed spaces

**Be mindful of the sequence!**

- Filler Element GFC (3c), red
- Standard Element GFP (2), white
- Filler Element GFL (3a, 3b), yellow

### Filler Element GFC

1. Remove the Clamp GFK and Traverse GF 100.
2. Support the Filler Element GFC using the Shuttering Aid GFA.
3. Lower and remove the props of the Filler Element GFC.
4. Swing the Filler Element GFC downwards and unhook it. (Fig. A10.01)

**In the drawings, the Clamps GFK and Traverses GF 100 have already been removed!**

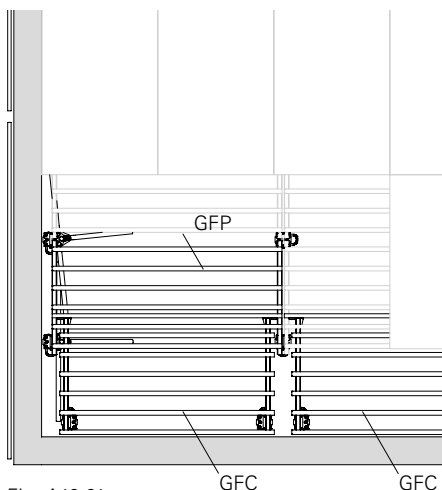


Fig. A10.01

## Striking rules for spaces with an open slab edge

not shown

**Be mindful of the sequence!**

1. Swing the cantilever downwards (element with guardrail).
2. Remove bracing.
3. See above for subsequent work steps.

### Standard Element GFP

1. Lower the props of the Standard Element GFP by approx. 3 cm.
2. Fold down and unhook Standard Element GFP with Shuttering Aid GFA one row at a time.
3. Remove props.
4. Remove formwork panels one by one. (Fig. A10.02)

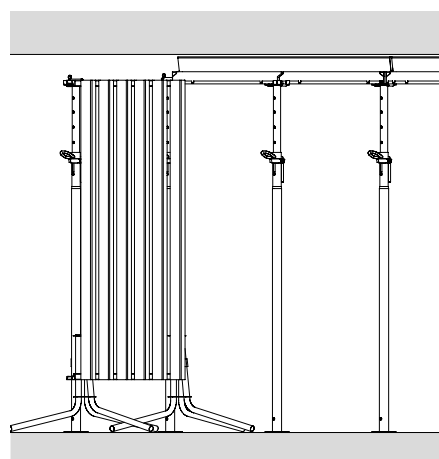


Fig. A10.02

### Filler Element GFL

1. Remove the Clamp GFK and Traverse GF 100.
2. Support the Filler Element GFC using the Shuttering Aid GFA. Lower and remove the props.
3. Swing the Filler Element GFC downwards and unhook it.
4. Remove the Filler Element GFL 183 x 20 and props.
5. Remove the Standard Element GFP and props.
6. Remove the Filler Element GFL 150 x 100 and auxiliary props. (Fig. A10.03)

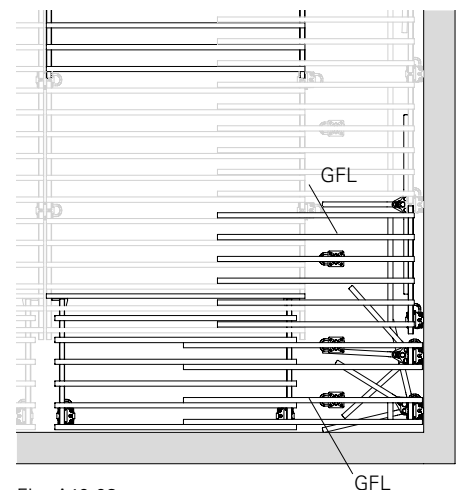
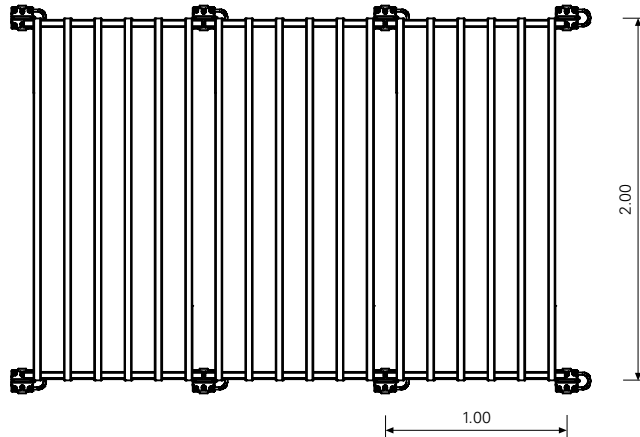


Fig. A10.03

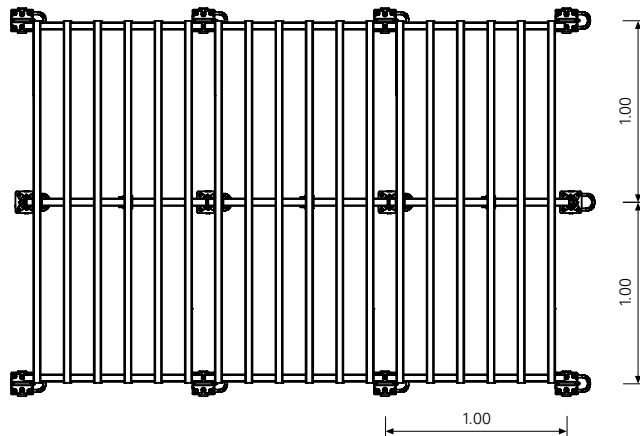
# Prop load, planarity

Slab thickness d [m]	Load Q* [kN/m <sup>2</sup> ]	Prop load [kN]		Planarity of row**	
		without centre support	with centre support	without centre support	with centre support
0.10	4.2	8.6		7	
0.12	4.7	9.6		7	
0.14	5.2	10.6		7	
0.16	5.7	11.6		7	
0.18	6.2	12.6		7	
0.20	6.7	13.6	7.9	7	7
0.22	7.1	14.6	8.5	7	7
0.24	7.6	15.7	9.1	6	7
0.26	8.1	16.7	9.7	6	7
0.28	8.6	17.7	10.3	6	7
0.30	9.1	18.7	10.8	6	7
0.33	9.9	20.3	11.8	5	7
0.35	10.5		12.4		7
0.40	11.8		14.1		7
0.45	13.2		15.7		7
0.50	14.5		17.3		7
0.55	15.9		18.9		7
0.60	17.2		20.5		7
0.65	18.6		22.1		6
0.67	19.1		22.7		6

Without centre support



With centre support



**\*Load according to DIN EN 12812:**

Dead load Q<sub>1</sub> = 0.25 kN/m<sup>2</sup>

Concrete load Q<sub>2,b</sub> = 24.5 kN/m<sup>3</sup> x d [m]

Live load working operations Q<sub>2,p</sub> = 0.75 kN/m<sup>2</sup>

Live load concreting Q<sub>4</sub> = 0.1 x Q<sub>2,b</sub> (with 0.75 kN/m<sup>2</sup> < Q<sub>4</sub> < 1.75 kN/m<sup>2</sup>)

**Total load Q = Q<sub>1</sub> + Q<sub>2,b</sub> + Q<sub>2,p</sub> + Q<sub>4</sub>**

The indicated props loads take additional loads from the filler areas into account.

The planarity is calculated using 15 mm Fin-Ply formlining.

Depending on the position of the formlining joints and the size of the fillers, offsets can occur in the transverse compensation area if no additional measures are taken.

\*\* Planarity according to DIN 18202 assuming perfect levelling

# PEP Ergo

**Permissible prop load [kN]**

Extension length [m]	PEP Ergo D-250 L = 1.47 – 2.50 m		PEP Ergo B-300 L = 1.97 – 3.00 m		PEP Ergo B-350 L = 2.25 – 3.50 m	
	Lower outer tube	Lower inner tube	Lower outer tube	Lower inner tube	Lower outer tube	Lower inner tube
1.50	35.0	35.0				
1.60	35.0	35.0				
1.70	32.9	35.0				
1.80	30.7	35.0				
1.90	29.1	35.0				
2.00	28.1	35.0	30.0	30.0		
2.10	27.3	35.0	29.8	30.0		
2.20	26.5	34.1	27.0	30.0		
2.30	25.7	32.3	24.6	30.0	30.0	28.6
2.40	24.3	29.4	23.0	30.0	28.6	28.6
2.50	22.4	26.3	21.5	30.0	25.5	28.6
2.60			20.3	29.5	23.1	28.4
2.70			19.3	27.5	21.3	28.0
2.80			18.3	24.8	19.8	27.4
2.90			16.9	22.3	18.6	26.1
3.00			15.6	20.2	17.5	24.4
3.10					16.3	22.8
3.20					15.2	20.8
3.30					14.3	19.0
3.40					13.3	17.4
3.50					12.4	15.7

**Notes:**

The load-bearing capacity of the PEP Ergo D-250 corresponds to Classes B+ D of EN 1065.

The load-bearing capacities of the PEP Ergo B-300 and B-350 correspond to Class B of EN 1065.

When using PERI Slab Tables, the permissible load is at least 35 kN for the PEP Ergo D-250, at least 28.2 kN for the PEP Ergo B-300 and at least 22.6 kN for the PEP Ergo B-350, on account of the clamping in the Table Swivel Head or UNIPORTAL Head.

# PEP 20

**Permissible prop load [kN] according to type test**

Extension length [m]	PEP 20 N 260* L = 1.51 – 2.60 m		PEP 20 – 300 PEP 20 N 300* L = 1.71 – 3.00 m		PEP 20 – 350 PEP 20 N 350* L = 1.96 – 3.50 m		PEP 20 – 400 PEP 20 G 410* L = 2.21 – 4.00 m		PEP 20 – 500 L = 2.71 – 5.00 m	
	Lower outer tube	Lower inner tube	Lower outer tube	Lower inner tube	Lower outer tube	Lower inner tube	Lower outer tube	Lower inner tube	Lower outer tube	Lower inner tube
1.60	35.0	35.0								
1.70	35.0	35.0								
1.80	35.0	35.0	35.0	35.0						
1.90	35.0	35.0	35.0	35.0						
2.00	33.5	35.0	35.0	35.0	35.0	35.0				
2.10	31.9	35.0	32.2	35.0	35.0	35.0				
2.20	30.9	35.0	30.5	35.0	35.0	35.0				
2.30	29.8	35.0	29.0	35.0	35.0	35.0	35.0	35.0		
2.40	28.6	35.0	27.8	35.0	35.0	35.0	35.0	35.0		
2.50	27.1	32.9	26.9	35.0	35.0	35.0	35.0	35.0		
2.60	24.8	29.4	26.1	35.0	33.8	35.0	35.0	35.0		
2.70			24.9	31.7	32.4	35.0	35.0	35.0		
2.80			23.3	28.5	31.2	35.0	35.0	35.0	35.0	35.0
2.90			21.6	25.7	30.2	35.0	35.0	35.0	35.0	35.0
3.00			20.0	23.2	29.2	35.0	35.0	35.0	35.0	35.0
3.10					27.5	34.6	33.6	35.0	35.0	35.0
3.20					25.7	31.5	32.5	35.0	35.0	35.0
3.30					24.1	28.8	31.2	35.0	35.0	35.0
3.40					22.4	26.4	29.6	35.0	35.0	35.0
3.50					20.7	24.1	27.8	33.9	35.0	35.0
3.60							26.1	31.2	35.0	35.0
3.70							24.5	28.9	35.0	35.0
3.80							23.0	26.8	35.0	35.0
3.90							21.6	24.8	35.0	35.0
4.00							20.1	22.8	34.2	35.0
4.10									32.3	35.0
4.20									30.6	35.0
4.30									28.9	34.0
4.40									27.4	31.9
4.50									26.0	29.9
4.60									24.6	28.1
4.70									23.4	26.4
4.80									22.1	24.9
4.90									20.9	23.4
5.00									20.0	21.8

All PEP 20 Props conform to DIN EN 1065 Class D, i.e. the permissible prop load for the entire extension range is at least 20 kN.

When using PERI Slab Tables, the permissible load for all PEP 20 Props is a minimum of 30 kN over the entire extension length due to the clamping in the Table Swivel Head or UNIportal Head.

\*For the N and G Props, use of the inner tube at the bottom is only possible with PERI Slab Tables or SKYDECK (bolted head).

# PEP 30

**Permissible prop load [kN] according to type test**

Extension length [m]	PEP 30 – 150		PEP 30 – 250		PEP 30 – 300		PEP 30 – 350		PEP 30 – 400	
	L = 0.96 – 1.50 m		L = 1.46 – 2.50 m		PEP 30 G 300* L = 1.71 – 3.00 m		PEP 30 G 350* L = 1.96 – 3.50 m		L = 2.21 – 4.00 m	
	Lower outer tube	Lower inner tube	Lower outer tube	Lower inner tube	Lower outer tube	Lower inner tube	Lower outer tube	Lower inner tube	Lower outer tube	Lower inner tube
1.00	35.0	35.0								
1.10	35.0	35.0								
1.20	35.0	35.0								
1.30	34.9	35.0								
1.40	34.2	35.0								
1.50	33.5	35.0	40.0	40.0						
1.60			40.0	40.0						
1.70			40.0	40.0						
1.80			40.0	40.0	40.0	40.0				
1.90			38.5	40.0	40.0	40.0				
2.00			36.8	40.0	40.0	40.0	40.0	40.0		
2.10			35.3	40.0	40.0	40.0	40.0	40.0		
2.20			34.4	40.0	40.0	40.0	40.0	40.0		
2.30			33.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2.40			32.1	37.6	40.0	40.0	40.0	40.0	40.0	40.0
2.50			30.1	34.8	39.9	40.0	40.0	40.0	40.0	40.0
2.60					38.8	40.0	40.0	40.0	40.0	40.0
2.70					37.4	40.0	40.0	40.0	40.0	40.0
2.80					35.8	40.0	40.0	40.0	40.0	40.0
2.90					33.2	37.2	40.0	40.0	40.0	40.0
3.00					30.4	33.8	40.0	40.0	40.0	40.0
3.10							40.0	40.0	40.0	40.0
3.20							37.6	40.0	40.0	40.0
3.30							35.0	37.6	40.0	40.0
3.40							32.3	34.6	40.0	40.0
3.50							30.0	31.6	40.0	40.0
3.60									40.0	40.0
3.70									40.0	40.0
3.80									37.4	40.0
3.90									34.8	37.0
4.00									32.2	33.9

All PEP 30 Props conform to DIN EN 1065 Class E, i.e. the permissible prop load for the entire extension range is at least 30 kN.

When using PERI Slab Tables, the permissible load for all PEP 30 Props is a minimum of 40 kN (PEP 30-150 = 35 kN) over the entire extension range due to the clamping in the Table Swivel Head or UNIPORTAL Head.

\*For the N and G Props, use of the inner tube at the bottom is only possible with PERI Slab Tables or SKYDECK (bolted head).

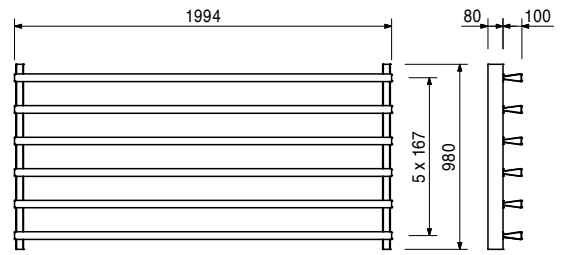
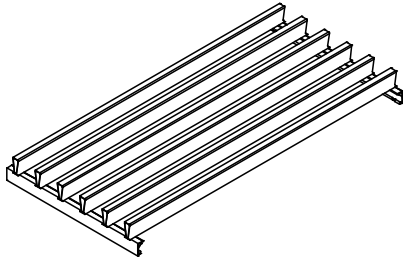
# GRIDFLEX Girder Grid Slab Formwork

Article no. Weight kg

110038 20.300

## Standard Element GFP 200 x 100

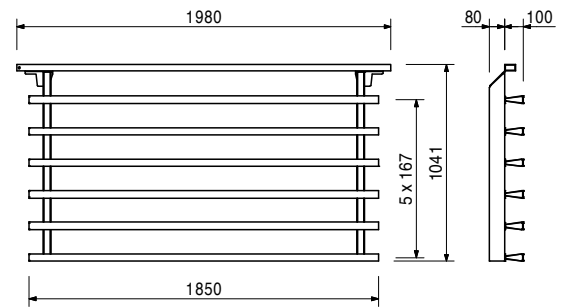
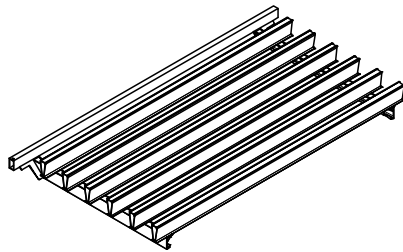
Aluminium, nailable, white powder-coated.



110040 22.100

## Transverse Filler Element GFC 200 x 100

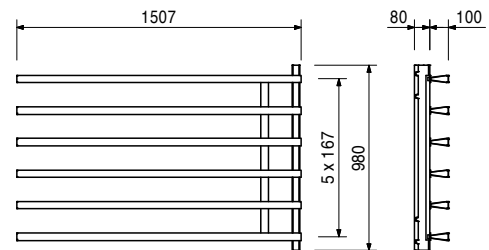
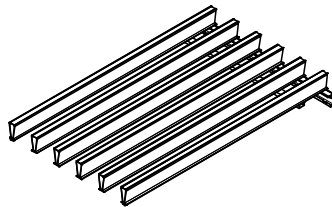
Aluminium, nailable, red powder-coated.



110486 15.000

## Longitudinal Filler Element GFL 150 x 100

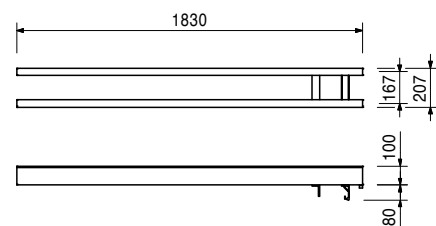
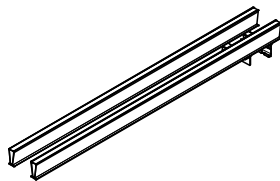
Aluminium, nailable, yellow powder-coated.



110646 5.800

## Longitudinal Filler Element GFL 183 x 20

Aluminium, nailable, yellow powder-coated.



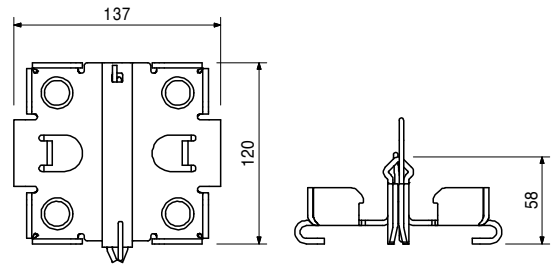
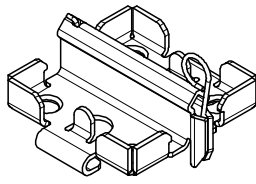
# GRIDFLEX Girder Grid Slab Formwork

Article no. Weight kg

109910 0.845

## Prop Head GFH, galv.

With locking spring. Supports GRIDFLEX elements.

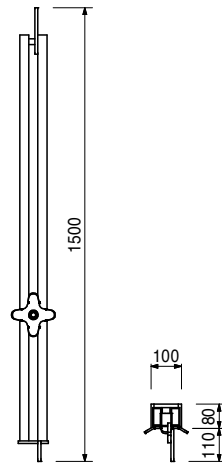
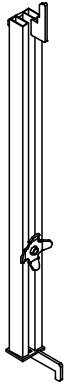


110238

4.890

## Wall Holder GFW

For anchoring the formwork to the wall horizontally.



110044

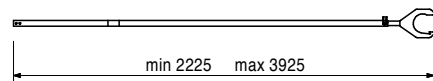
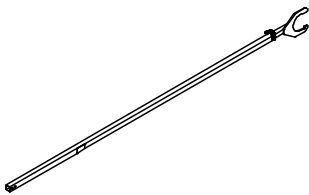
2.340

## Shuttering Aid GFA

Used when shuttering with GRIDFLEX.

## Technical data

Adjustable in 7.5 cm increments.



# GRIDFLEX Girder Grid Slab Formwork

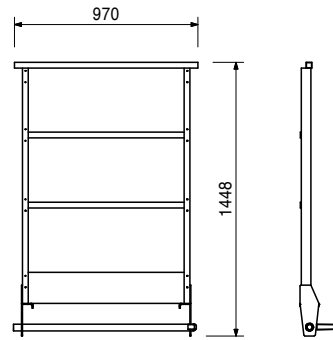
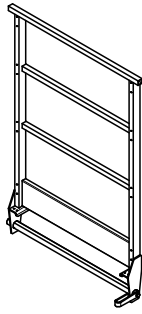
Article no. Weight kg

110326

7.270

## Guardrail GF 100

As guardrail for cantilevers. Guardrail height above top edge of formwork panel = 1.30 m.

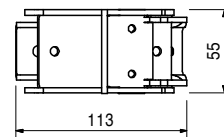
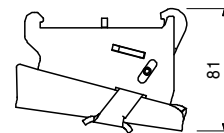
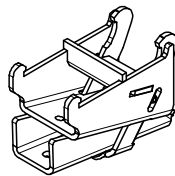


110556

0.690

## Clamp GFK, galv.

For attaching filler elements to standard elements.



110045

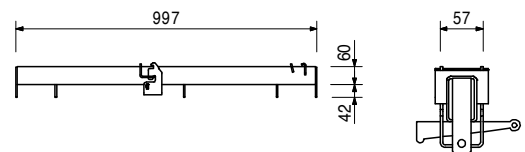
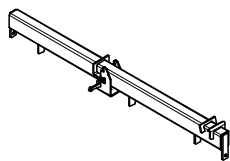
5.120

## Traverse GFT

With locking wedge for fixing to the longitudinal beam of the elements.

### Note

For fitting longitudinal infills, with props as centre support and cantilever element support at the slab edge.



# GRIDFLEX Girder Grid Slab Formwork

Article no. Weight kg

110595

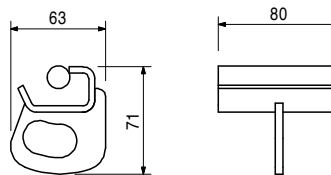
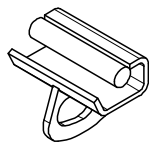
0.411

## Tension Sleeve GFO

For bracing cantilevered elements.

## Technical data

Permissible tension force 3.0 kN.



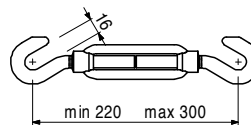
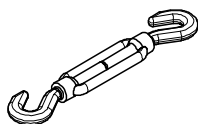
065074

0.450

## Turnbuckle 3.0 kN, M12

## Technical data

Permissible tension force 3.0 kN.



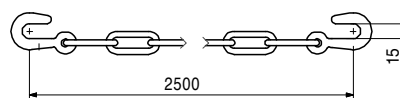
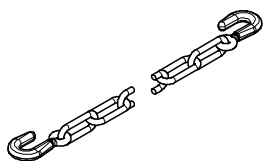
065073

1.370

## Anchor chain 3.0 kN, l = 2.5 m

## Technical data

Permissible tension force 3.0 kN.



028100

1.830

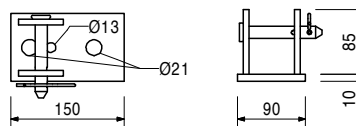
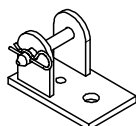
## Base Plate for RS

For fitting Push-Pull Props RS.

## Complete with

1 pc. 018050 bolt  $\varnothing$  16 x 65/86, galv.

1 pc. 018060 cotter pin 4/1, galv.



124777

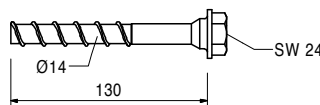
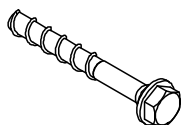
0.210

## Tie Bolt PERI 14/20 x 130

For temporary fixing to reinforced concrete components.

## Note

Take the PERI Data Sheet into consideration!  
Hole  $\varnothing$  14 mm.



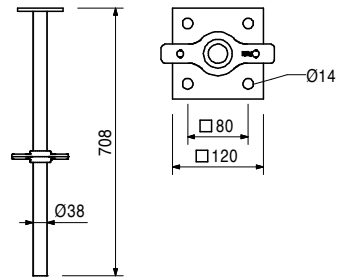
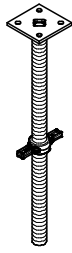
# GRIDFLEX Girder Grid Slab Formwork

Article no. Weight kg

111291 4.690

## Head Spindle GTR 38-70/50

For using GRIDFLEX in combination with PERI UP falsework.



123545 2.820

## Replacement Profile GFP 200 (white)

110939 21.700

## Stacking Device GF, galv.

For stacking 10 Standard Elements GFP 200 x 100, Transverse Filler Elements GFC 200 x 100 or Longitudinal Filler Elements GFL 150 x 100 respectively. Suitable for crane and fork-lift transportation. 2 pieces per stack.

## Complete with

2 x 111392 Pallet Extension GF 10

## Note

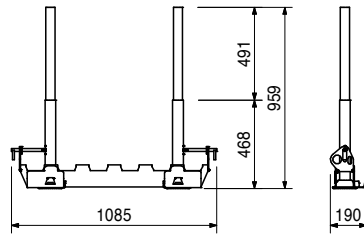
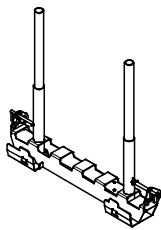
Follow the instructions for use!

## Technical data

Permissible load-bearing capacity:

= 175 kg per post

= 350 kg per stack



Accessories

115427 2.090

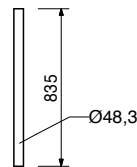
## Tension Strap Rail GF 92

115385 4.230

## Tension Strap Rail GF 125

111392 2.970

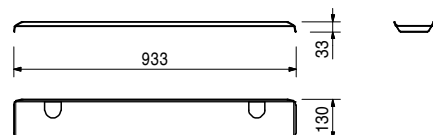
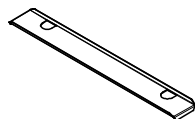
## Pallet Extension GF 10



115427 2.090

## Tension Strap Rail GF 92

As transport protection for GRIDFLEX Elements GFP 200 x 100/GFL 150 x 100. Yellow powder coated.



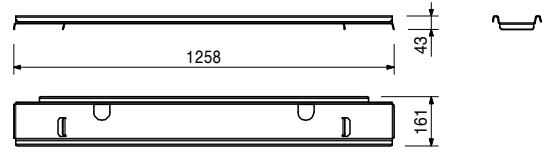
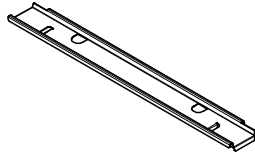
# GRIDFLEX Girder Grid Slab Formwork

Article no. Weight kg

115385 4.230

## Tension Strap Rail GF 125

As transport protection for GRIDFLEX Elements  
GFC 200 x 100. Red powder-coated.



111396 28.100

## Pallet RP 80 x 110, galv.

For stacking Guardrail GF 100.

### Complete with

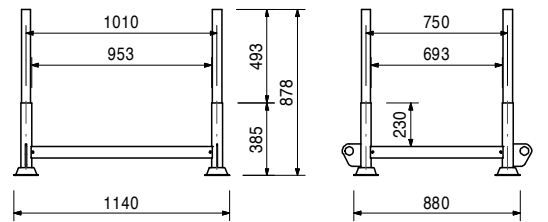
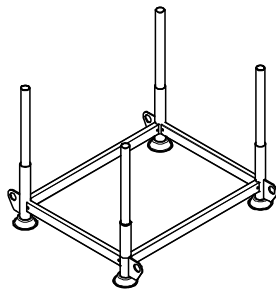
4 x 111392 Pallet Extension GF 10

### Note

Follow the instructions for use!

### Technical data

Permissible load-bearing capacity 500 kg.



111738 63.900

## Pallet GF 85 x 210, galv.

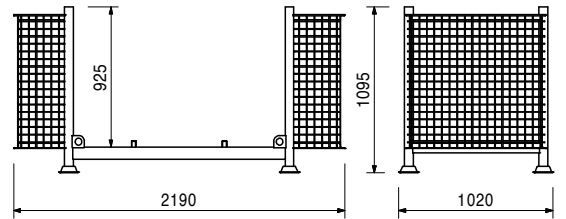
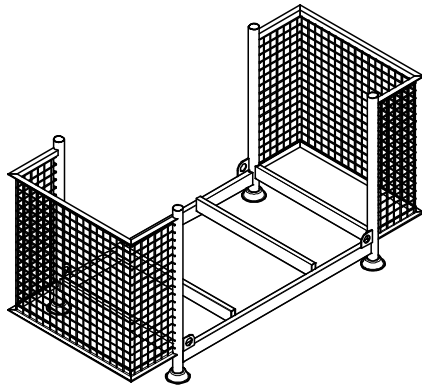
For stacking and transporting  
GRIDFLEX Filler Element GFL 183 x 20.

### Note

Follow the instructions for use!

### Technical data

Permissible load-bearing capacity 750 kg.



# GRIDFLEX Girder Grid Slab Formwork

Article no. Weight kg

111566 106.000

## Platform GIP 200, complete

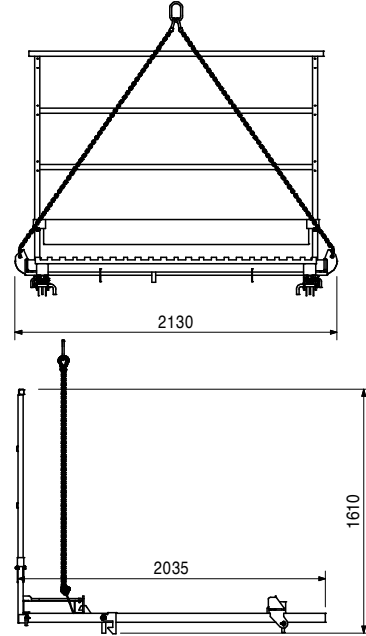
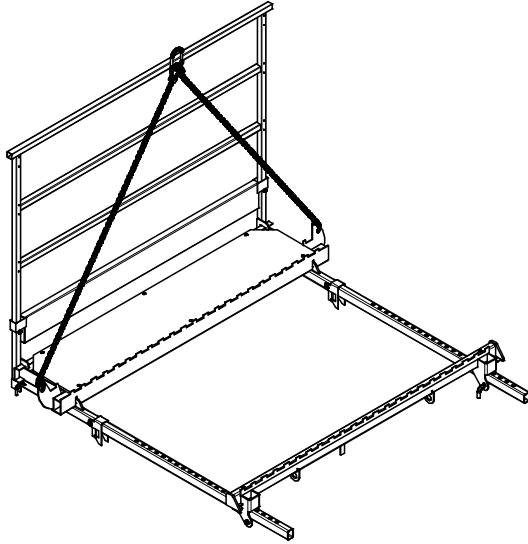
Platform with 12-mm-thick platform decking and insertable guardrail. Delivered as single components.

## Complete with

- 1 x 111703 Platform Frame GIP 200
- 1 x 111700 Platform Guardrail GIP 200
- 2 x 111702 Longitudinal Beam GIP 200
- 1 x 111701 Cross Girder GIP 200

## Technical data

Permissible live load 150 kg/m<sup>2</sup>.



111379 265.000

## Corner Platform GCP, complete

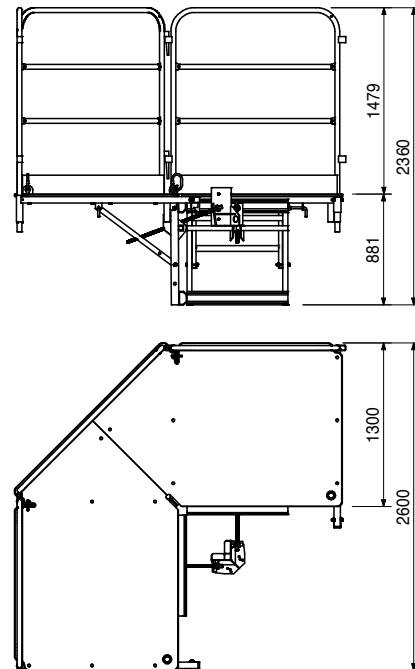
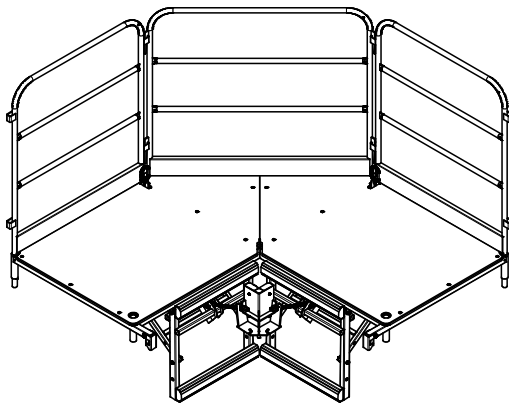
Platform with 21-mm-thick platform decking and insertable guardrail. Delivered as single components.

## Complete with

- 1 x 111378 Corner Platform GCP
- 2 x 111332 Guardrail GCP 130, galv.
- 1 x 111340 Guardrail GCP 160, galv.
- 1 x 111324 Internal Angle GCP

## Technical data

Permissible live load 150 kg/m<sup>2</sup>.





**The optimal System  
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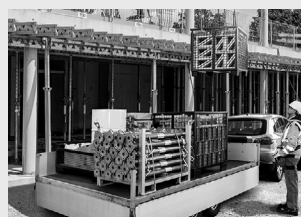
**Access**



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Accessories**



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