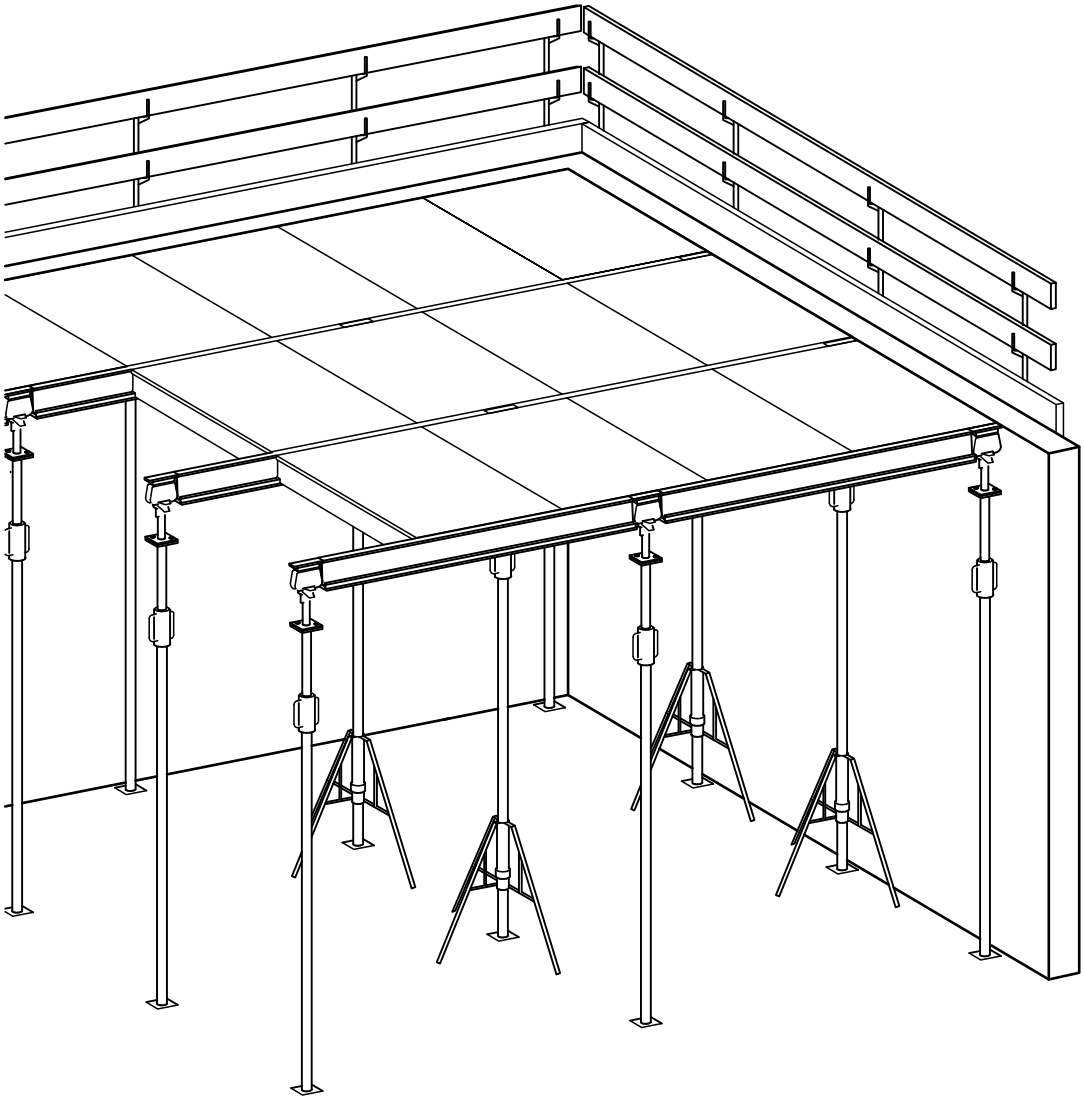
NOEdeck

Assembly and Operating Manual

(Dated 11.2025)



NOE-Schaltechnik Kuntzestr. 72 73079 Süßen, Germany
Tel. +49 (0)7162/13-1 Fax +49 (0)7162/13-288

Contents

1 Safety advice, GSV guidelines

1.1 Advice on proper and safe use of formwork and falsework

The contractor is responsible for drawing up a comprehensive risk assessment and a set of installation instructions.
The latter is not usually identical to the assembly and use instructions.

- Risk assessment: The contractor is responsible for the compilation, documentation, implementation and revision of a risk assessment for each construction site. His employees are obliged to implement the measures resulting from this in accordance with all legal requirements.
- Installation instructions: The contractor is responsible for compiling a written set of installation instructions. The assembly instructions form part of the basis for the compilation of a set of installation instructions.
- Assembly and use instructions: Formwork is technical work equipment and is intended for commercial use only. It must be used properly and exclusively through trained specialist personnel and appropriately qualified supervising personnel. The assembly and use instructions are an integral component of the formwork construction. They comprise at least safety guidelines, details on the standard configuration and proper use, as well as the system description. The functional instructions (standard configuration) contained in the assembly instructions are to be complied with exactly as stated. Enhancements, deviations or changes represent a potential risk and therefore require separate verification (with the help of a risk assessment) or a set of installation instructions that comply with the relevant laws, standards and safety regulations. The same applies in those cases where formwork and/or falsework components are provided by others on site.
- Availability of the assembly and use instructions: The contractor must ensure that the assembly and use instructions provided by the manufacturer or formwork supplier are available at the place of use, that site personnel are informed of this before assembly and use takes place, and that they are available at all times.
- Representations: The representations (drawings, diagrams etc.) shown in the assembly instructions are, in part, situations of assembly and not always complete in terms of safety considerations. Any safety installations that may not have been shown in these representations must nevertheless be available.
- Storage and transportation: Any special requirements relating to transportation procedures and storage of the formwork constructions must be complied with. An example would be the use of the appropriate lifting gear.
- Material check: Formwork and falsework material deliveries are to be checked on arrival at the construction site/place of destination as well as before each use to ensure that they are in perfect condition and function correctly. Changes to the formwork materials are not permitted.
- Spare parts and repairs: Only original components may be used as spare parts. Repairs are to be carried out by the manufacturer or at authorised repair facilities only.
- Use of other products: Combining formwork components from different manufacturers carries certain risks. They are to be individually verified and can result in the compilation of a separate set of assembly instructions required for the installation of the equipment.
- Use of other products: Individual safety symbols are to be complied with. Examples:

Safety information: Non-compliance can lead to damage to materials or risk to the health of site personnel (also life).

Visual check: The intended operation is to be subject to a visual check.

Note: Supplementary information for safe, correct and professional execution of work activities.

- Miscellaneous: We reserve the right to make amendments in the course of technical development. All current country-specific laws, standards and other safety regulations are to be complied with without exception for the safe application and use of the products. They form a part of the obligations of employers and employees regarding industrial safety. This gives rise to, among other things, the responsibility of the contractor to ensure the stability of the formwork and falsework constructions as well as the structure during all stages of construction, which also includes the basic assembly, dismantling and the transport of the formwork and falsework constructions or their components. The complete construction is to be checked during and after assembly.

2 System description

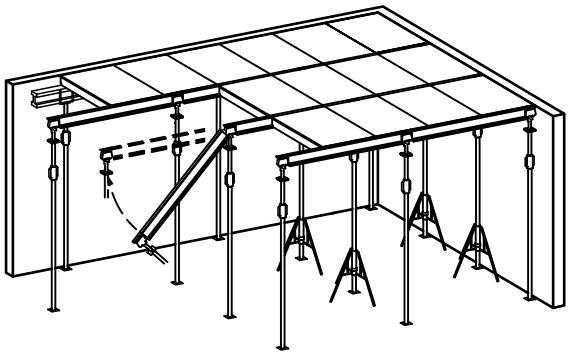
2.1 System overview NOEdeck

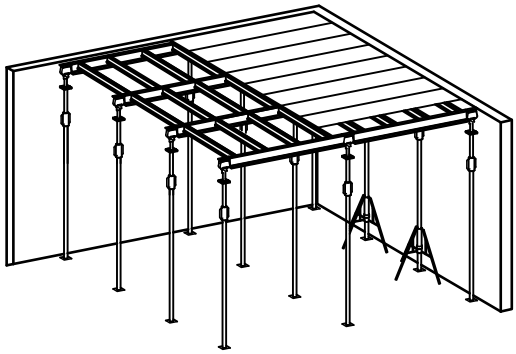
- Super strong : Drophead load up to 48 kN
- Extremely fast : Only 1,6 parts are to be laid per m^2
- Extra long : Longitudinal girder up to 2,40 m
- XXL : Panel size up to 90x150 cm
- Professional : One System, two options
  - with drophead and longitudinal girder
  - with Alu-cross beam
- Extra light
- Adjustments : Integrated solutions for compensation areas
- Clean : Set in edges to hold side surfaces clean and reduce cleaning work

Technical information

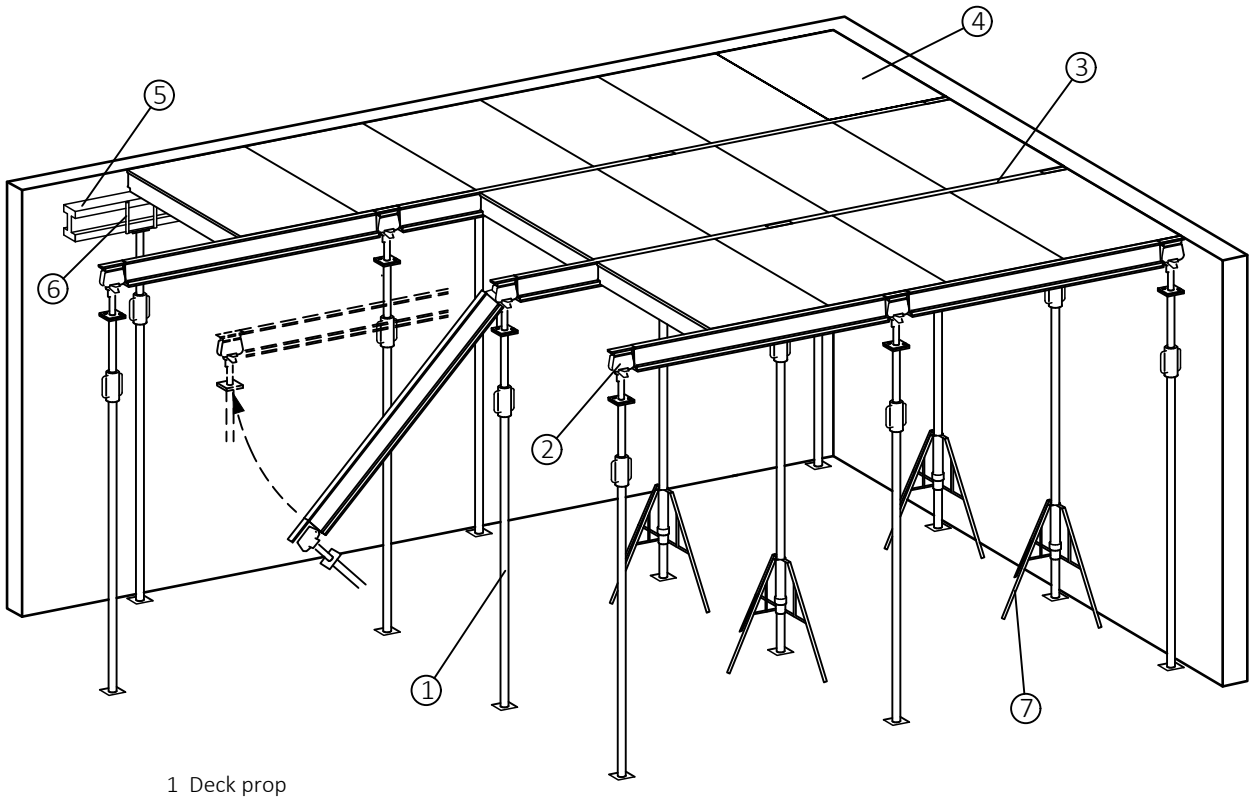
- Deck panels : width : 90, 60, 45 cm
  lenght : 150, 90 cm
- longitudinal girder : lenght : 240, 210, 155.5 cm
- Drophead : building height : 36 cm
  lowering distance : 17 cm
- Facing : NOEform plywood, both sides coated with phenolic resin, plated in elastic join seal
- Composition : Frames of panels and longitudinal girders
  - high tensile aluminium alloy, powder-coated

  Drophead
  - welded steel construction, zinc plated



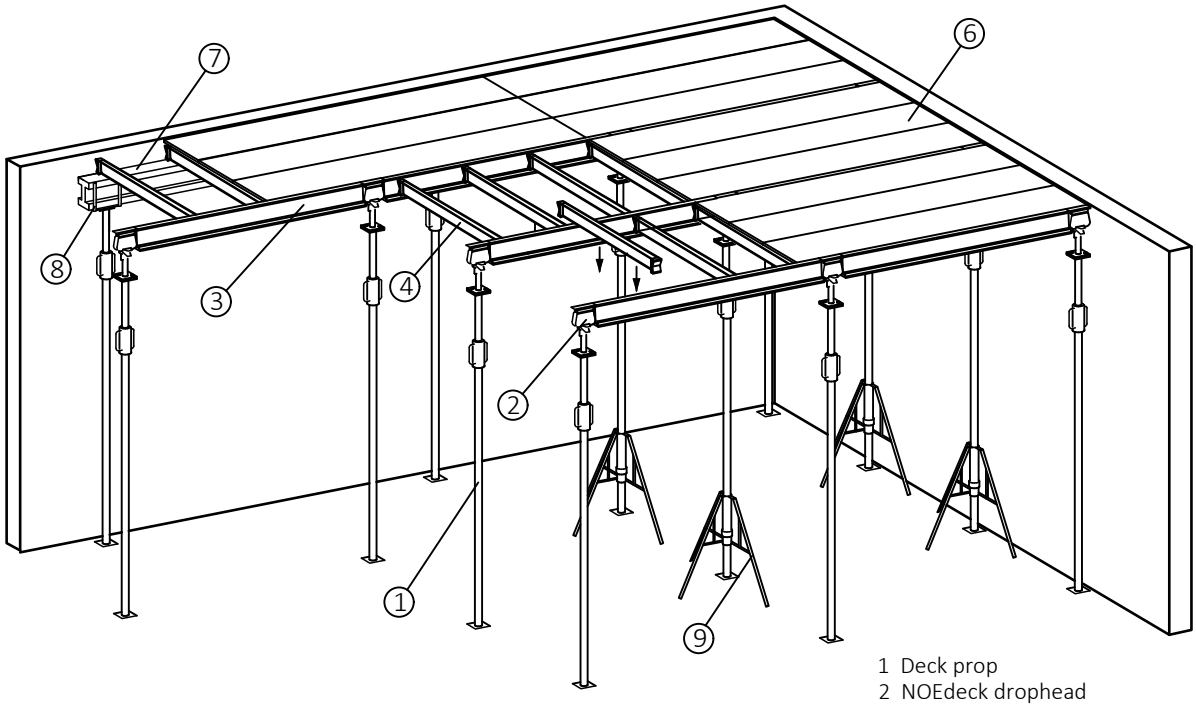


2.2 Formwork with NOEdeck panels



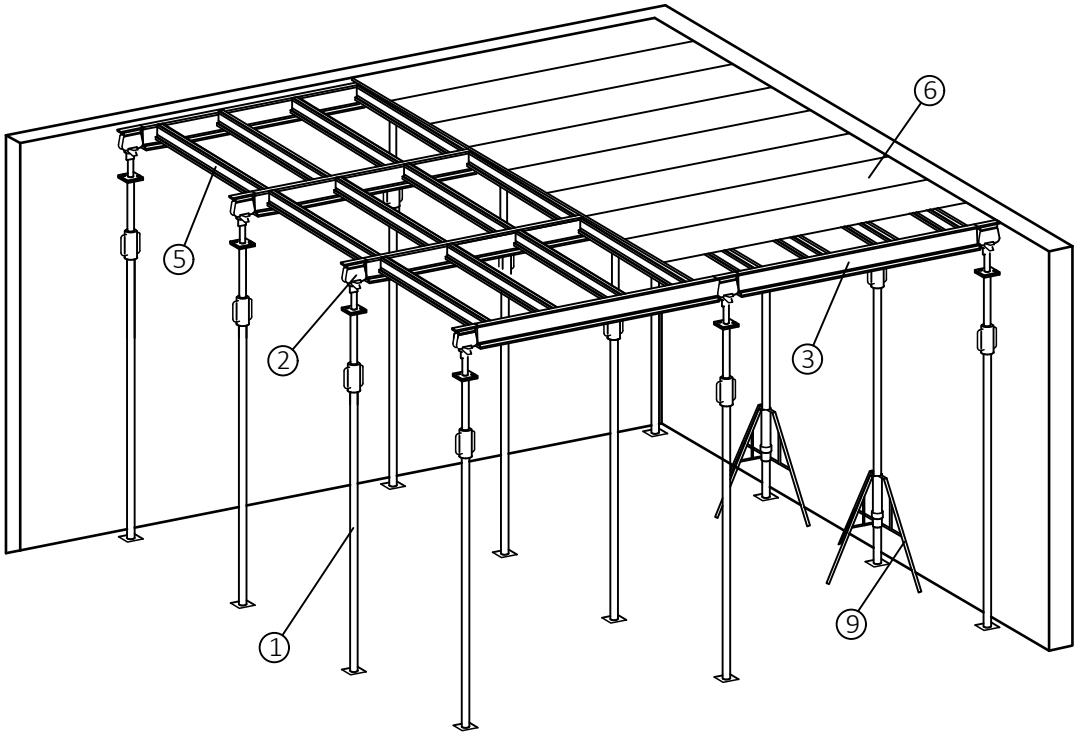
1 Deck prop
2 NOEdeck drophead
3 NOEdeck longitud. girder
4 NOEdeck panel
5 H20 girder
6 Fork head
7 Folding tripod

2.3 Formwork with NOEdeck compensation beams - facing between NOEdeck longitudinal girders



1 Deck prop
2 NOEdeck drophead
3 NOEdeck longitud. girder
4 NOEdeck compensation girder
5 NOEdeck cross-beam
6 Facing
7 H20 girder
8 Fork head
9 Folding tripod

2.4 Formwork with NOEdeck cross-beams - facing continuous e.g. for high-quality surface finish requirements



3 Assembly Manual

The individual steps for assembly and erection are shown diagrammatically in the following pages.

In the case of a formwork proposal for which NOE has not provided a design with formwork drawings and parts lists, the panel system must still be designed. The dimensions of the panels, beams and girders, and the requirement for deck supports can be determined based on the deck thickness and height.

Refer to 4.

We recommend that formwork is erected from the edge to the middle of the deck area. For efficiency, the longitudinal and transverse walls should intersect at right angles and the layout of the girders and panels result in as few non-standard, i.e. residual areas as possible. Stripping formwork is best done starting from the compensation strips along the deck edge.

→ Indicates to relevant chapters, where the steps are shown in detail.

Vor dem Schalungseinsatz ist die Aufbau- und Verwendungsanleitung durchzulesen, und es sind die Sicherheitshinweise in den einzelnen Kapiteln unbedingt zu beachten! Sämtliche Personen, die mit dem Produkt arbeiten, sind von einem fachlich geeigneten Aufsichtsführenden der Baustelle einzuweisen.

A risk analysis must be performed for all situations on site by a responsible person.
Only defect-free materials are to be used. Therefore each component must be visually inspected or tested during all steps in the work!

3.1 Unloading formwork elements

- The panels are bundled on transport pallets, the props on NOE pallets and the other individual parts in NOE boxes. All these transport containers have suitable features to allow the attachment of crane lifting tackle for unloading.

→ Refer to 13. Transporting formwork

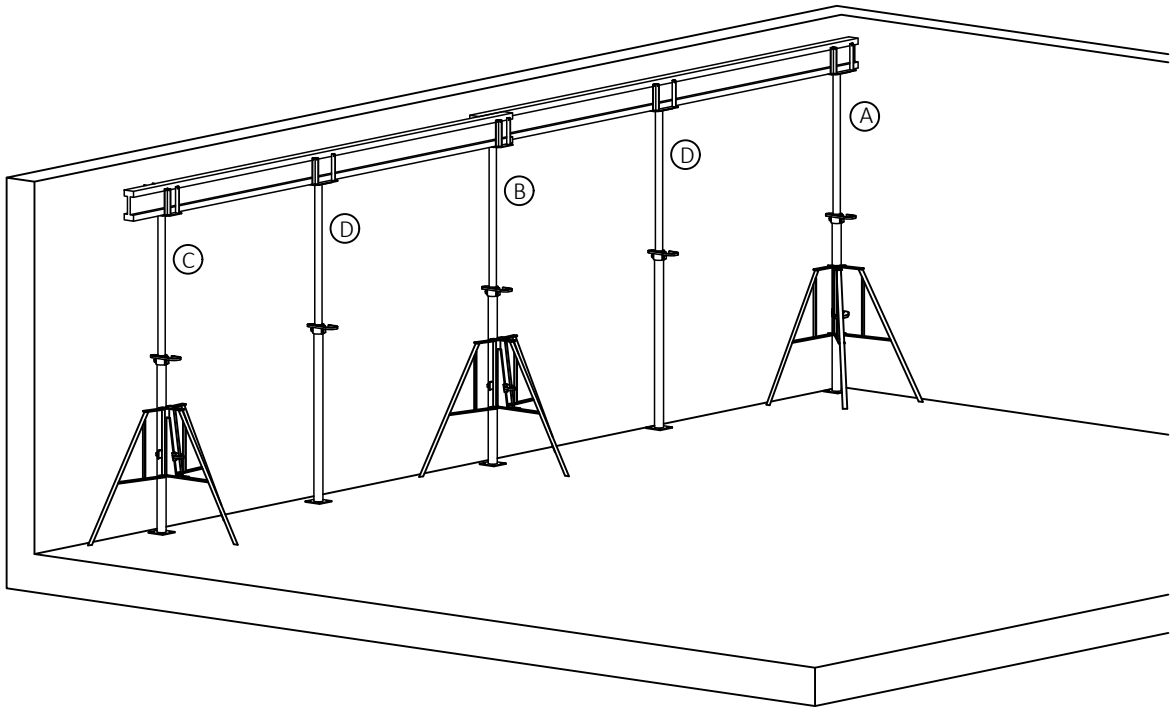
3.2 Erecting formwork

The system parts and the placing direction are given in the formwork drawing or can be taken from the formwork design done on site.

3.2.1 Installing the primary edge girders

- Preparation: Place the fork heads on to the deck props, secure them and adjust the deck props to provide the correct formwork height. When determining the correct height, take into account the construction depth of the edge girder and the NOEdeck panel.
  Top of fork head = underside of deck - 340 mm when H20 primary (longitudinal) girders are used.
  Lay out the primary edge girders ready for use.
- Erect prop A with fork head and tripod in the corner, erect prop B with fork head and tripod at the end of the edge girder. Insert the edge girder into the fork heads.

- Continue this operation with prop C and insert the edge girder into it. Install the intermediate props D with fork head under the edge girders, so that the maximum permissible girder span is not exceeded. Repeat this process for the rest of the required length of supported edge.

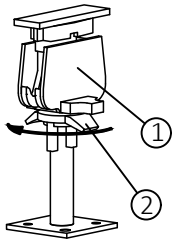


3.2.2 Installing intermediate longitudinal girders

- Mount the dropheads on the props, ensuring that the drop piece is at the top and the tie plates of the dropheads are locked. Adjust the installed props to the formwork height (top of NOEdeck drophead = underside of deck).

  → Refer to 5.1

1 Drop piece
2 Tie plate



Drop piece top, strike the tie plate clockwise and lock it.

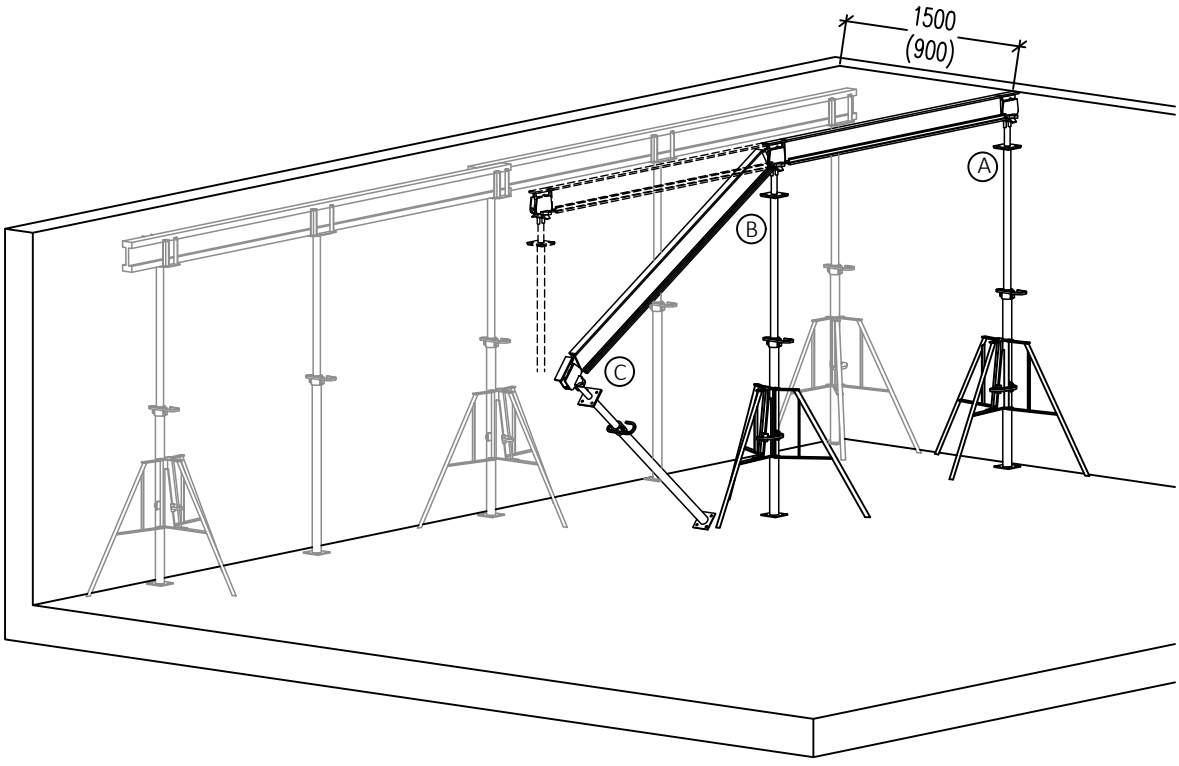
- Erect prop A with NOEdeck drophead at the transverse wall at a clear distance of 1500 mm (900 mm) from the longitudinal wall and secure with a tripod. For this step, the longitudinal axis of the NOEdeck drophead is parallel to the longitudinal wall.

  Suspend the NOEdeck longitudinal girder loosely in the NOEdeck drophead.

  Suspend prop B with the NOEdeck drophead in the NOEdeck longitudinal girder and swing the girder upwards, fully erect and secure the prop with the tripod.

- Suspend the next NOEdeck longitudinal girder loosely in the NOEdeck drophead of the already erected prop B (see Fig.). Place prop C on to the other end of the girder and swing the girder up with the prop.
  Erect the prop vertically and secure with the tripod.
  Repeat the process for the required length of the series of intermediate longitudinal girders.
  If necessary incorporate head piece for intermediate props in acc. with the table.

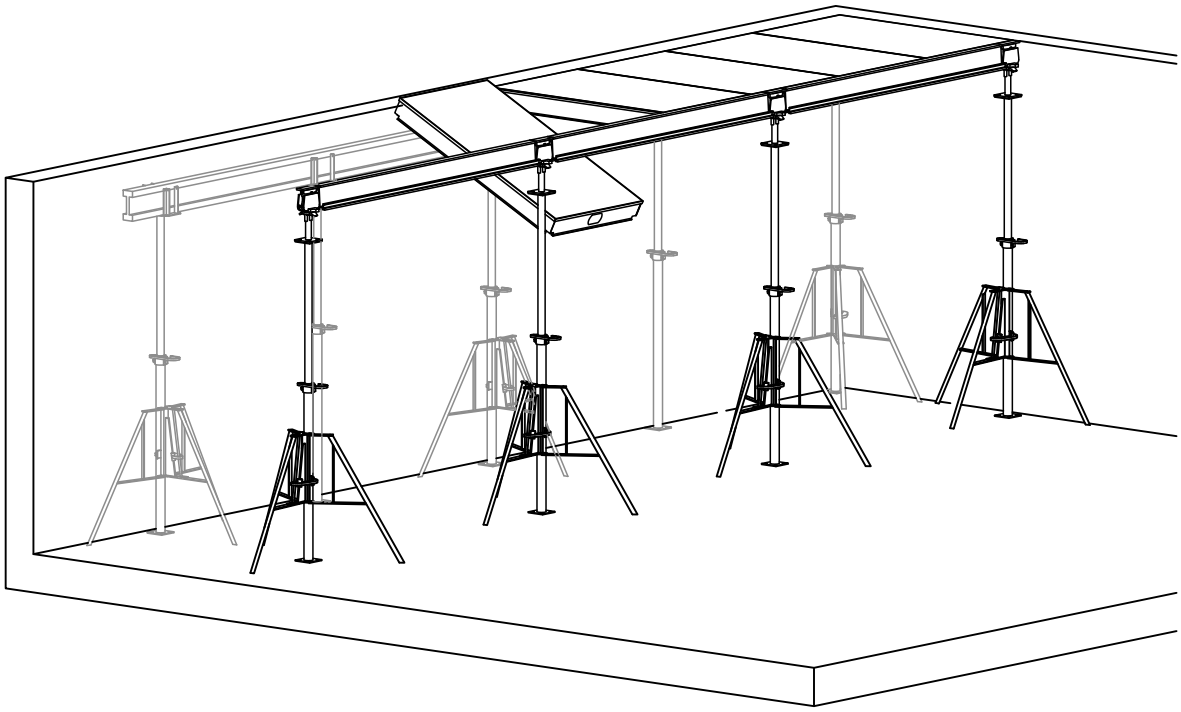
  → Refer to 5.2



3.2.3 Placing panels

- Lift the NOEdeck panel up between the two series of girders. When lowering the panel, place the panel edge in the groove of the NOEdeck longitudinal girder and place the other side down on the edge girder. When placing the first panel ensure that it lies flush with the transverse and longitudinal walls.

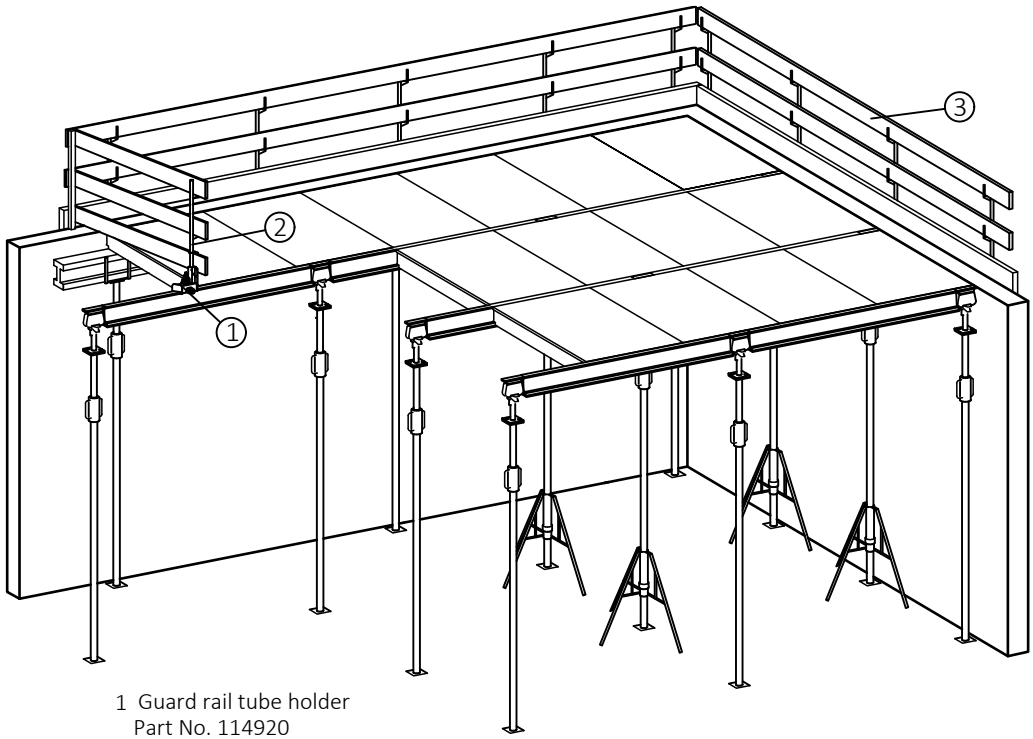
- Place the other panels in the same way. Butt the panels up to previously laid panels.



- Set up the next series of girders at a centre/centre distance of 1555 mm (955 mm) and place the panels as described. If the deck area so far erected is stable at this stage, there is no need to install further tripods in the remaining series of girders.

> The user of the NOE system must provide a safe place from which to work on formwork at heights not reachable from the ground (e.g. platform, staging, mobile scaffold etc.)

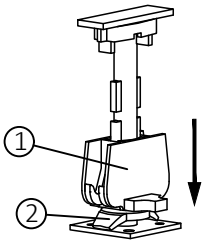
If the panels are placed from above or people walk or spend time on them, then the user must install measures to prevent falls at the edges.



1 Guard rail tube holder
Part No. 114920
2 Guard rail tube
Part No. 111400
3 Guard rail attached locally

3.2.4 Stripping formwork

- Lower drophead by hammering.
  Strip the formwork by releasing the tie plate and letting the drop piece drop down.



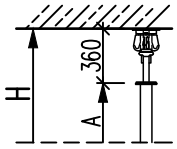
1 Drop piece
2 Tie plate

Beware of the danger of crushing injury when the drop piece falls with the suspended NOEdeck longitudinal girders.

- Take off the NOEdeck panels.
- Take off the NOEdeck longitudinal girders.
- The props with the NOEdeck drophead remain as back supports until the concrete has cured. Then dismantle by lowering the deck props.

4 Design table for prop loads

When selecting the system dimensions always observe the max. deck thicknesses for the NOEdeck panels and NOEdeck cross-beams (see adjacent tables).
Observe the max. permissible prop load with ceiling height H when selecting the props to suit the formwork height A (H = A+360 mm)!



4.1 For Longitudinal girder without intermediate support

✦ Prop load in kN for various system dimensions

Slab thickness	Load in acc. with DIN EN 12812	Longitudinal girder 2400/2400			Longitudinal girder 2100/2100			Longitudinal girder 1555/1555		
		B1/B2 1500/1500	B1/B2 1500/900	B1/B2 900/900	B1/B2 1500/1500	B1/B2 1500/900	B1/B2 900/900	B1/B2 1500/1500	B1/B2 1500/900	B1/B2 900/900
(mm)	(kN/m²)									
100	4,4	16,4	13,3	10,1	14,4	11,6	8,8	10,6	8,6	6,5
120	4,9	18,3	14,8	11,2	16,0	12,9	9,8	11,8	9,6	7,3
140	5,4	20,2	16,3	12,4	17,6	14,2	10,8	13,1	10,5	8,0
160	5,9	22,0	17,8	13,5	19,3	15,5	11,8	14,3	11,5	8,8
180	6,4	23,9	19,3	14,7	20,9	16,9	12,8	15,5	12,5	9,5
200	6,9	25,8	20,8	15,8	22,5	18,2	13,8	16,7	13,5	10,2
220	7,4	27,6	22,3	17,0	24,2	19,5	14,8	17,9	14,4	11,0
240	7,9	29,5	23,8	18,1	25,8	20,8	15,8	19,1	15,4	11,7
260	8,4	31,3	25,3	19,3	27,4	22,1	16,8	20,3	16,4	12,5
280	8,9	33,2	26,8	20,4	29,1	23,5	17,8	21,5	17,4	13,2
300	9,4	35,1	28,3	21,5	30,7	24,8	18,9	22,7	18,3	14,0
350	10,7	39,9	32,2	24,5	34,9	28,2	21,5	25,9	20,9	15,9
400	12,1	45,2	36,4	27,7	39,5	31,9	24,3	29,3	23,6	18,0
450	13,5	-	40,7	30,9	44,1	35,6	27,1	32,6	26,3	20,0
500	14,9	-	44,9	34,2	-	39,3	29,9	36,0	29,1	22,1
600	17,6	-	-	40,3	-	46,4	35,3	42,6	34,3	26,1
700	20,4	-	-	46,8	-	-	40,9	-	39,8	30,3
800	22,9	-	-	-	-	-	45,9	-	44,7	34,0

4.2 For Longitudinal girder with intermediate support

✦ Prop load in kN for various system dimensions

Slab thickness	Load in acc. with DIN EN 12812	Longitudinal girder 2400/2400						Longitudinal girder 2100/2100					
		B1/B2 1500/1500		B1/B2 1500/900		B1/B2 900/900		B1/B2 1500/1500		B1/B2 1500/900		B1/B2 900/900	
(mm)	(kN/m²)												
100	4,4	6,2	10,3	5,0	8,3	3,8	6,3	5,4	9,0	4,3	7,2	3,3	5,5
120	4,9	6,9	11,4	5,5	9,2	4,2	7,0	6,0	10,0	4,8	8,1	3,7	6,1
140	5,4	7,6	12,6	6,1	10,2	4,6	7,7	6,6	11,0	5,3	8,9	4,1	6,8
160	5,9	8,3	13,8	6,7	11,1	5,1	8,5	7,2	12,0	5,8	9,7	4,4	7,4
180	6,4	9,0	14,9	7,2	12,0	5,5	9,2	7,8	13,1	6,3	10,5	4,8	8,0
200	6,9	9,7	16,1	7,8	13,0	5,9	9,9	8,4	14,1	6,8	11,4	5,2	8,6
220	7,4	10,4	17,3	8,4	13,9	6,4	10,6	9,1	15,1	7,3	12,2	5,6	9,3
240	7,9	11,1	18,4	8,9	14,9	6,8	11,3	9,7	16,1	7,8	13,0	5,9	9,9
260	8,4	11,8	19,6	9,5	15,8	7,2	12,0	10,3	17,1	8,3	13,8	6,3	10,5
280	8,9	12,5	20,8	10,1	16,8	7,6	12,7	10,9	18,2	8,8	14,7	6,7	11,2
300	9,4	13,2	21,9	10,6	17,7	8,1	13,5	11,5	19,2	9,3	15,5	7,1	11,8
350	10,7	15,0	25,0	12,1	20,1	9,2	15,3	13,1	21,8	10,6	17,6	8,0	13,4
400	12,1	16,9	28,2	13,7	22,8	10,4	17,3	14,8	24,7	12,0	19,9	9,1	15,2
450	13,5	18,9	31,5	15,2	25,4	11,6	19,3	16,5	27,6	13,3	22,2	10,2	16,9
500	14,9	20,9	34,8	16,8	28,0	12,8	21,3	18,2	30,4	14,7	24,5	11,2	18,7
600	17,6	24,6	41,1	19,9	33,1	15,1	25,2	21,6	35,9	17,4	29,0	13,2	22,1
700	20,4	28,5	47,6	23,0	38,4	17,5	29,2	25,0	41,6	20,2	33,6	15,3	25,6
800	22,9	32,0	-	25,9	43,1	19,7	32,8	28,0	46,7	22,6	37,7	17,2	28,7

4.3 Table for NOEdeck panels

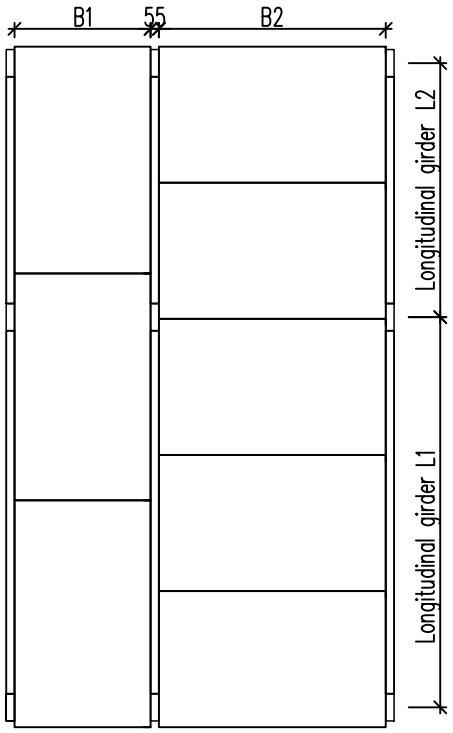
Span (mm)	Panel width (mm)	Max. deck thickness (mm)
1500	900 600 450	400 600 800
900	1500 * 900 / 600 / 450	800 800

* Panel 1500/900 mm turned, value also applies to panels 1500/600 and 1500/450 mm

4.4 Table for cross-beams

Span (mm)	Distance (mm)	Max. deck thickness (mm)
1500	750 625 500 400	450 550 700 800
900	750	800

✦ Schematic view from above



✦ Permissible loads as per DIN EN 12812

Formwork Weight : g = 0.35 kN/m
Live Loads : v = 0.75 kN/m (Load Class 1)
Concrete Load : b = 25 x d kN/m
Fill Weight Concrete : p = 0.1 x b kN/m
0.75 ≤ p≤ 1.75 kN/m

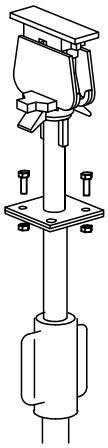
Load : q = g + v + b + p

The permissible prop spacings depend on the selected NOEdeck longitudinal girders.
Please ensure that the load obtained from the table does not exceed the max. permissible load of the prop used.
A calculation on site must be made for the props at the edge girders.

5 NOEdeck drophead and head piece

5.1 NOEdeck drophead

5.1.1 Mounting of the head on the deck prop



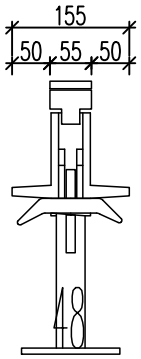
Attaching the NOEdeck drophead:
- To steel tubular props :
  2 No. M10x40 Part No. 311100
- To NOE aluminium props :
  2 No. M16x40 Part No. 313400

5.1.2 Load and dimensions

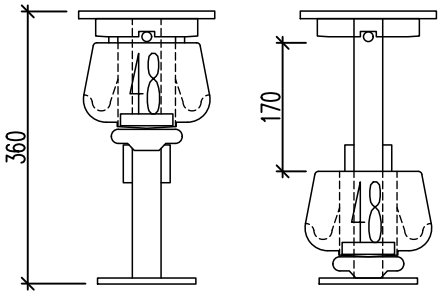
The NOEdeck drophead must carry vertical loads only, and the tie plate must be locked in the correct position for concreting!

→ Refer to 3.2.2

Permissible load: 48 kN (observe prop load!)



The NOEdeck drophead projects right and left 50 mm beyond the width at the top, i.e. the clear distance to the wall or prop is min. 60 mm.
2 girders must have a min. clear distance of 105 mm.



The overall height of the head is 360 mm (Top of head = underside of deck).

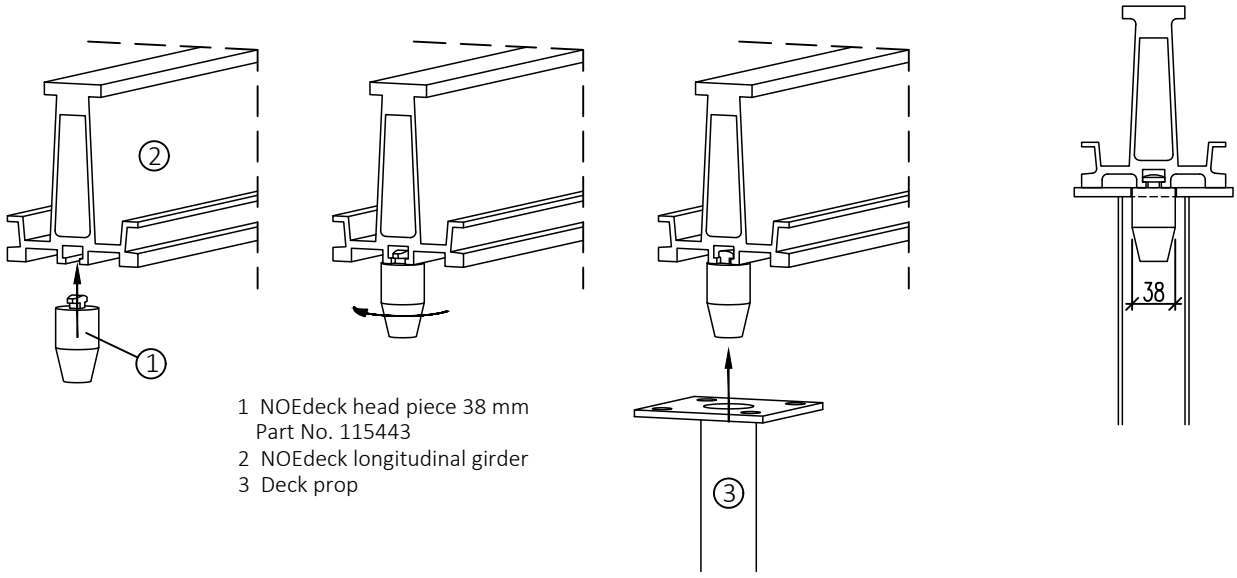
The lowering distance is 170 mm.

5.2 NOEdeck head piece

5.2.1 Mounting of the NOEdeck head piece

- The head piece is inserted into the girder if the girder requires an intermediate support and at projecting girder ends.

- Insert the head piece into the central groove in the middle of the girder and rotate to fix in place. After installing the girder, the deck prop providing the intermediate support can be pushed onto the head piece from below.

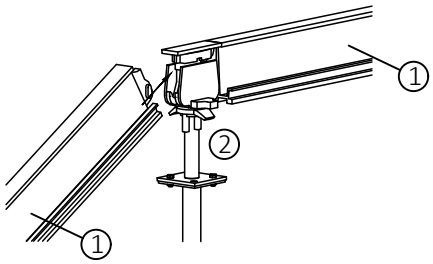


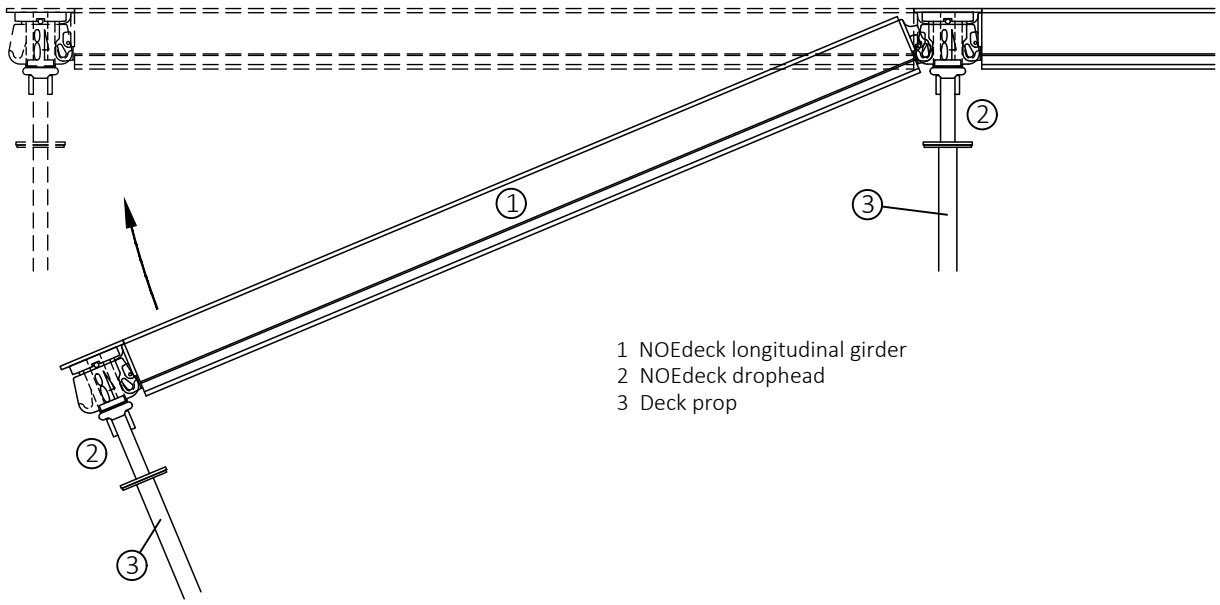
1 NOEdeck head piece 38 mm
Part No. 115443
2 NOEdeck longitudinal girder
3 Deck prop

6 Installation of NOEdeck longitudinal girder and NOEdeck panel

6.1 Suspending the NOEdeck longitudinal girder in the NOEdeck drophead

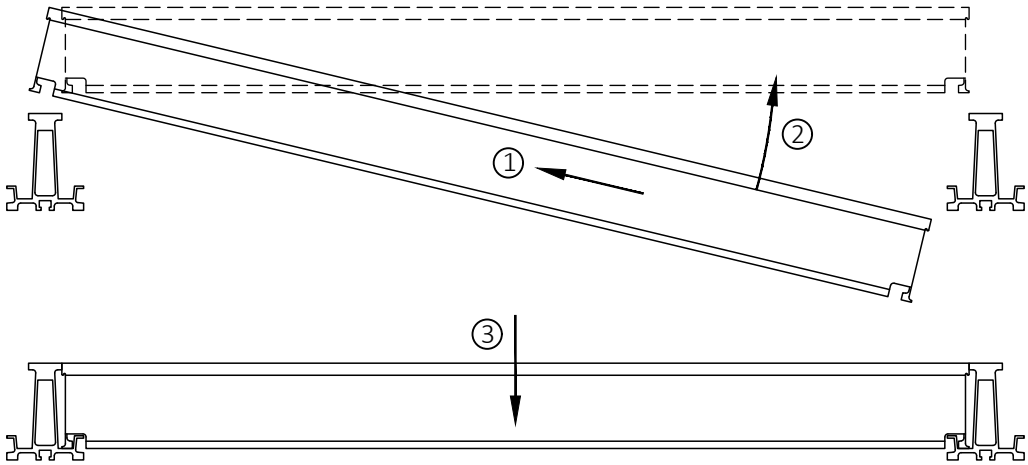
- Push the NOEdeck longitudinal girder from below into the slot of the NOEdeck drophead and suspend it from there.
- Fit the prop with NOEdeck drophead to other end of the girder and swing the girder upwards.





1 NOEdeck longitudinal girder
2 NOEdeck drophead
3 Deck prop

6.2 Suspending the NOEdeck panels in the NOEdeck longitudinal girder



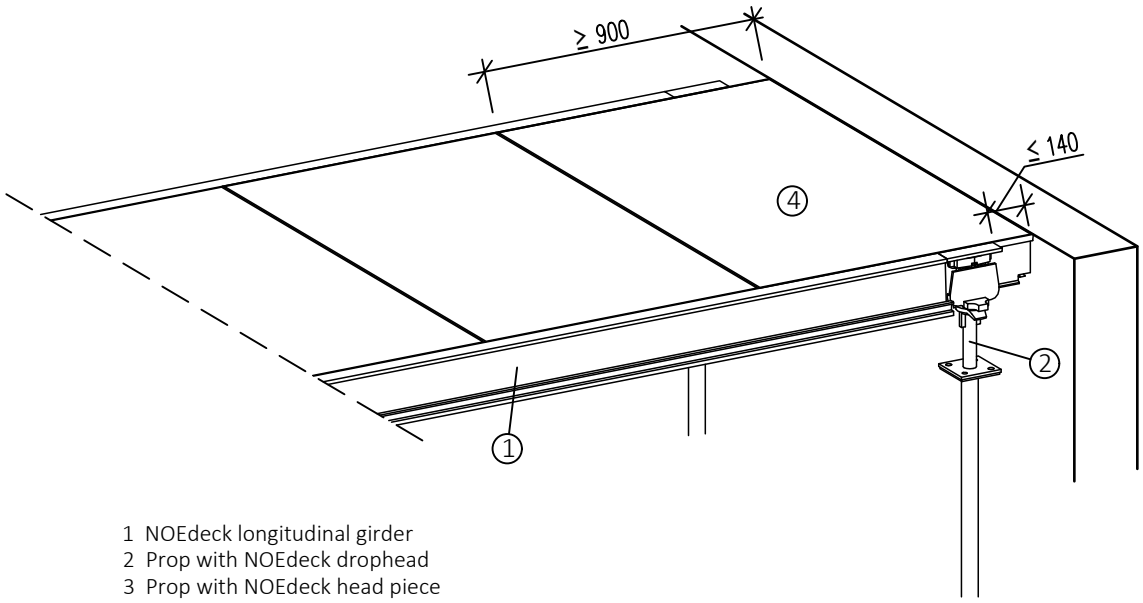
1. Move the panel at an angle upwards from below
2. Rotate the panel so that it is horizontal
3. Lower the panel into the groove of the girder

The NOEdeck panels can be slid along the girders.

7 Remaining dimensions for longitudinal girder

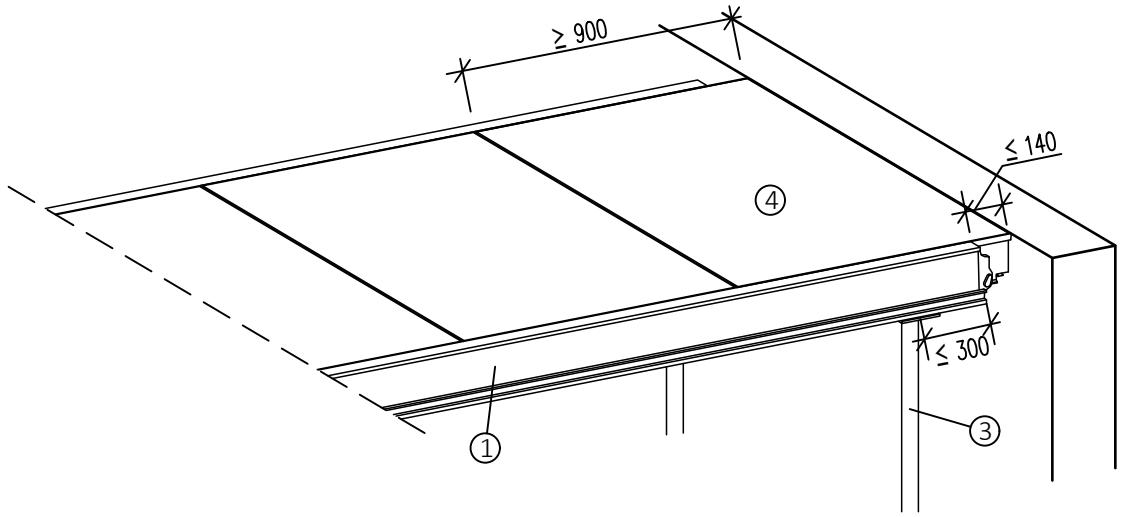
7.1 With an overlap beyond the NOEdeck drophead or NOEdeck longitudinal girder without additional measures

7.1.1 NOEdeck drophead on girder end



1 NOEdeck longitudinal girder
2 Prop with NOEdeck drophead
3 Prop with NOEdeck head piece
4 NOEdeck Panel min. 900 mm wide

7.1.2 Girder end with NOEdeck head piece

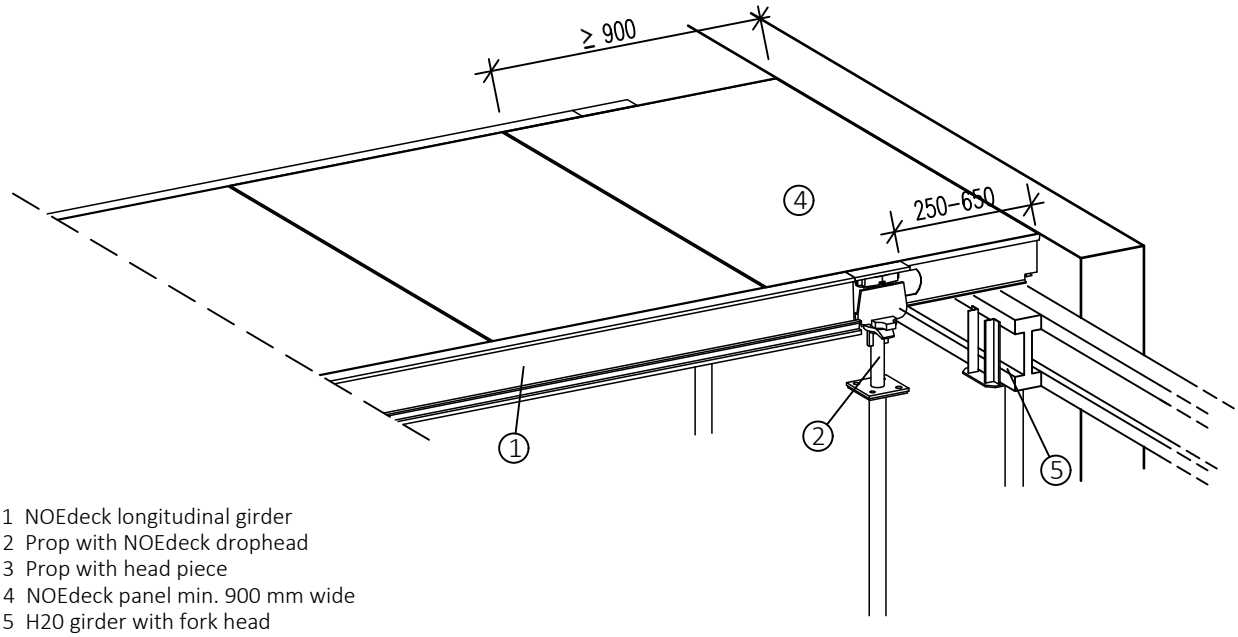


The overlap of the NOEdeck panels at the NOEdeck drophead or NOEdeck longitudinal girder must not exceed 140 mm.
The projecting panel must have a width of at least 900 mm.

ATTENTION: Danger of overturning in adverse loading conditions on the panel edge.

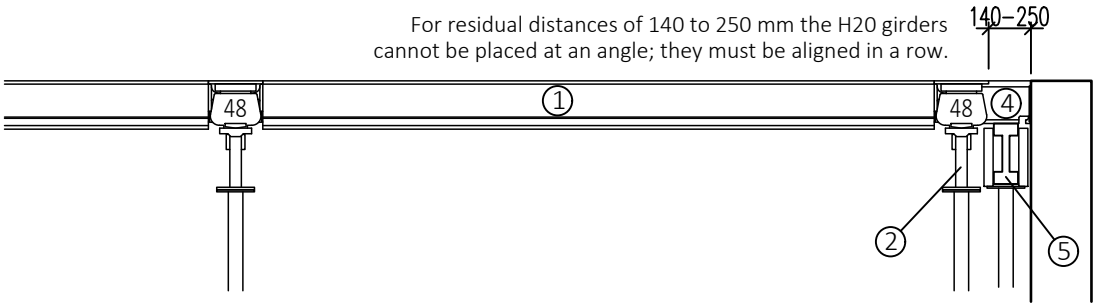
7.2 With an overlap of the NOEdeck panels beyond the NOEdeck drophead or NOEdeck longitudinal girder with additional edge girder

7.2.1 NOEdeck drophead at girder end

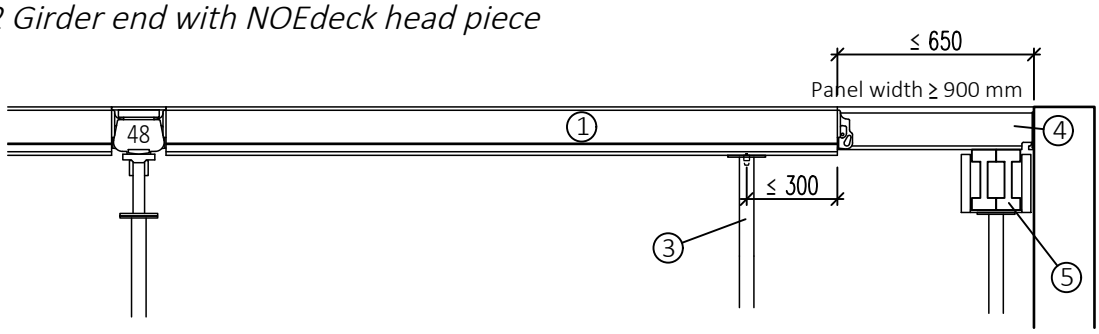


1 NOEdeck longitudinal girder
2 Prop with NOEdeck drophead
3 Prop with head piece
4 NOEdeck panel min. 900 mm wide
5 H20 girder with fork head

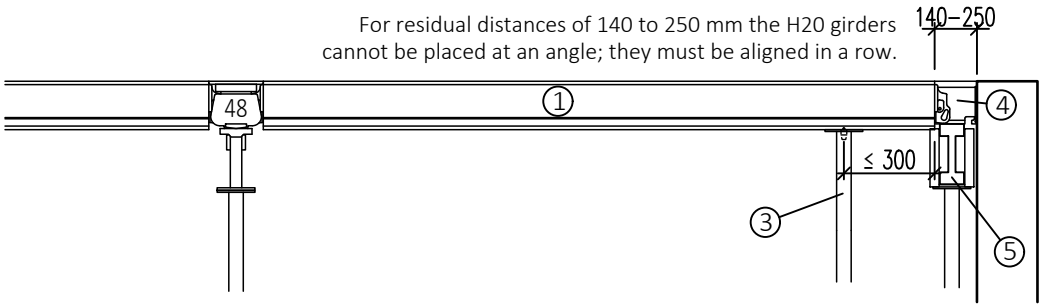
For residual distances of 140 to 250 mm the H20 girders cannot be placed at an angle; they must be aligned in a row.



7.2.2 Girder end with NOEdeck head piece

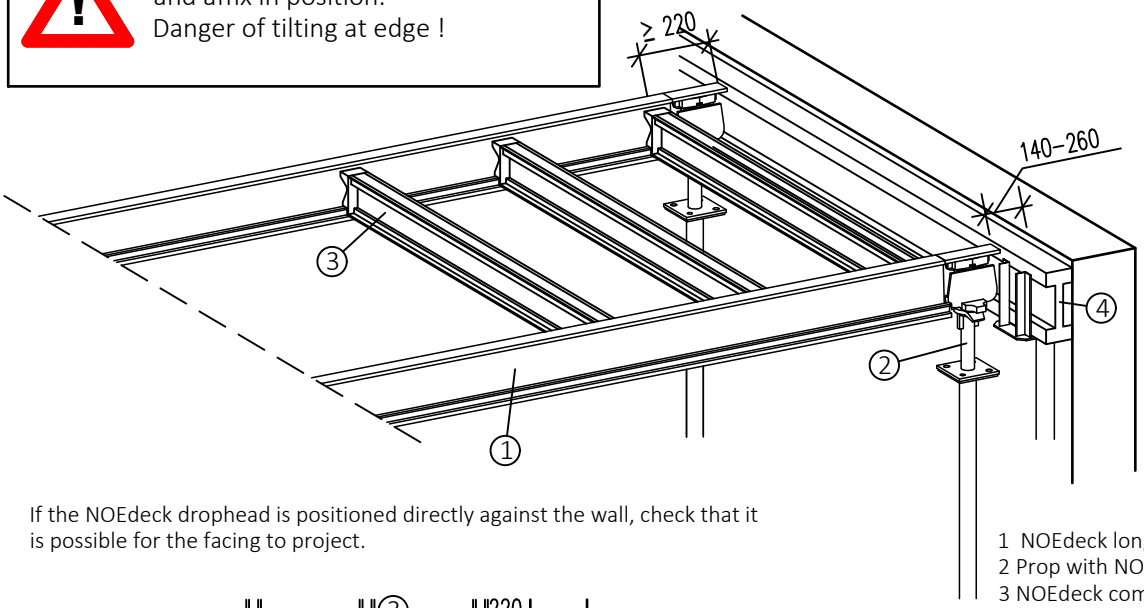


For residual distances of 140 to 250 mm the H20 girders cannot be placed at an angle; they must be aligned in a row.

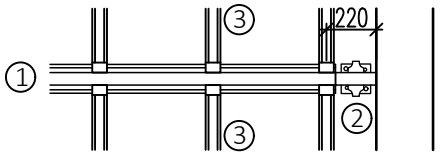


7.3 Overlaps when using NOEdeck compensating and cross-beams

Join facing to alluminum cross-beam
and affix in position.
Danger of tilting at edge !

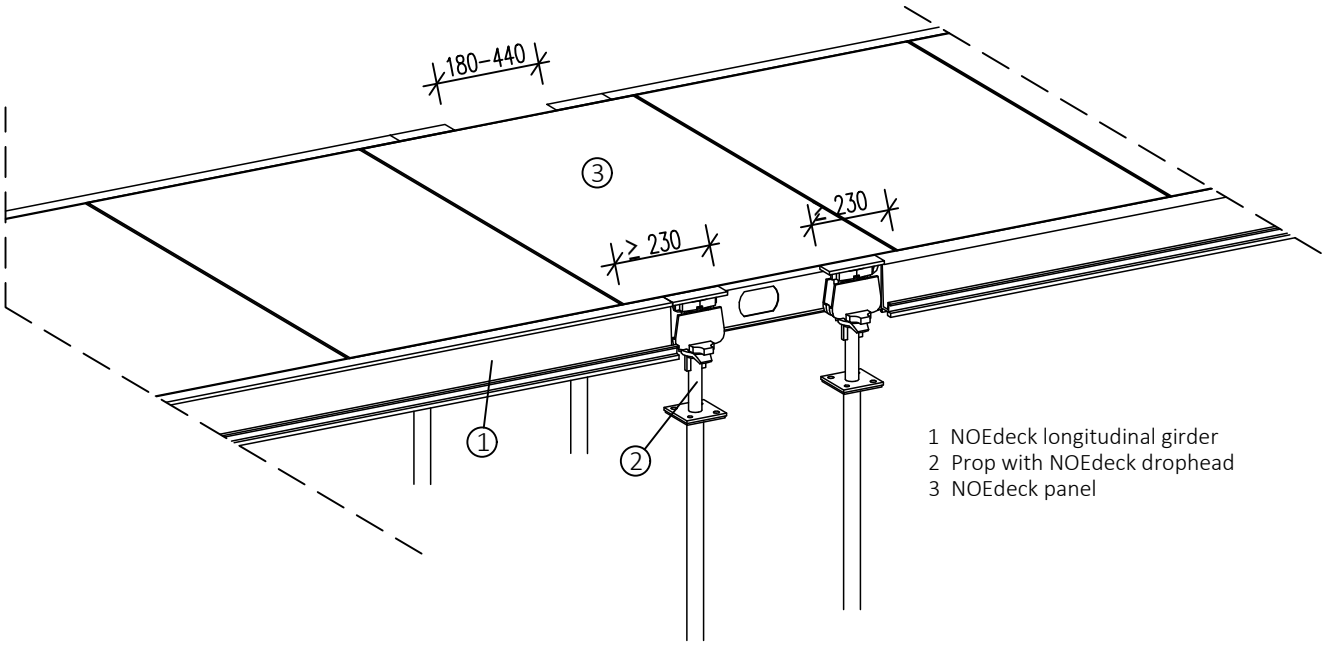


If the NOEdeck drophead is positioned directly against the wall, check that it is possible for the facing to project.



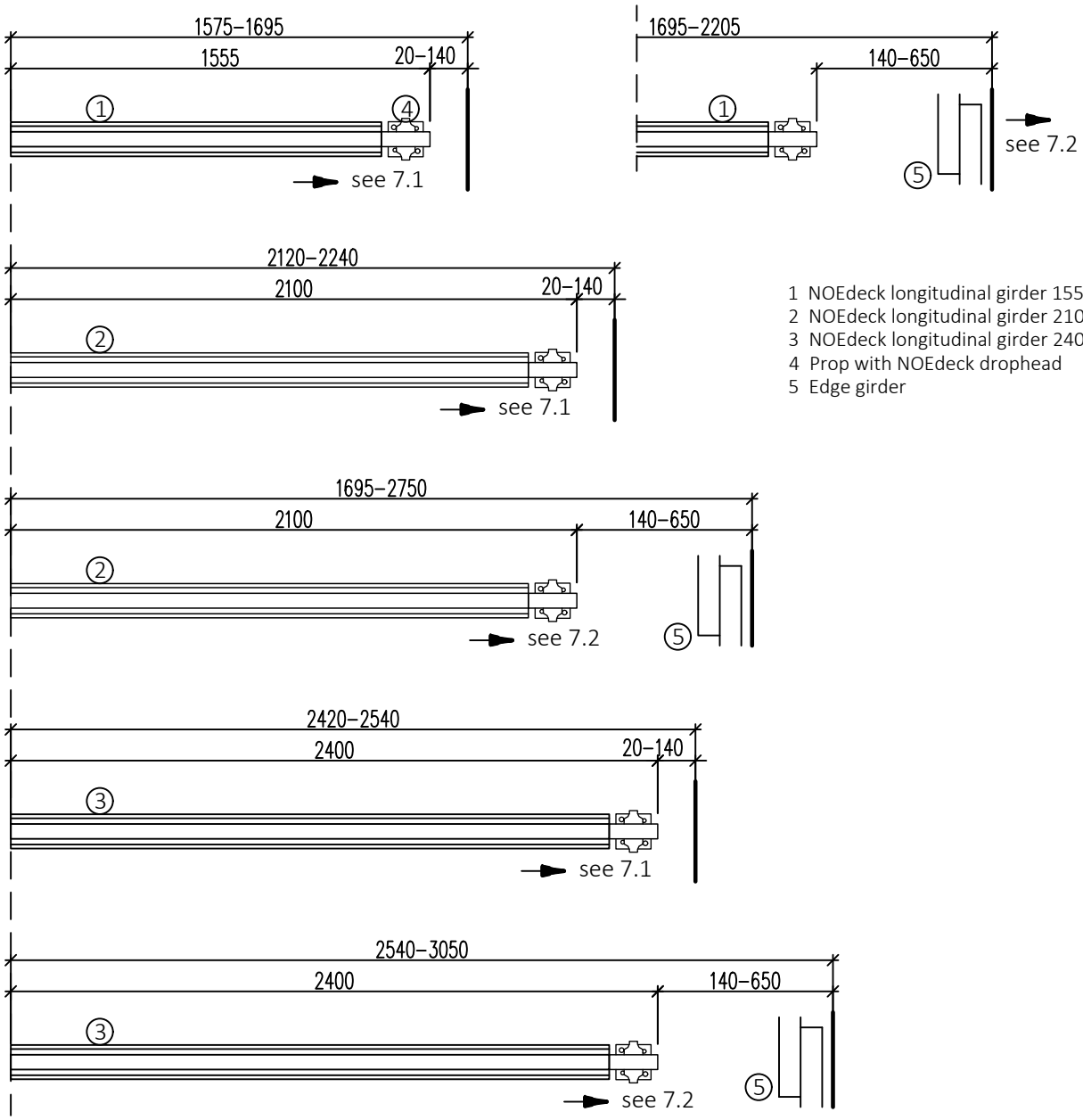
1 NOEdeck longitudinal girder
2 Prop with NOEdeck drophead
3 NOEdeck compensation
or cross-beam
4 Edge girder

7.4 Joining series of girders



1 NOEdeck longitudinal girder
2 Prop with NOEdeck drophead
3 NOEdeck panel

7.5 Examples for residual distances for series of girders



1 NOEdeck longitudinal girder 1555 mm
2 NOEdeck longitudinal girder 2100 mm
3 NOEdeck longitudinal girder 2400 mm
4 Prop with NOEdeck drophead
5 Edge girder

A residual distance of 3050 mm to 3130 m (= 2x1555+20 mm) cannot be filled using the solutions shown above.
In this scenario, the residual distance must be reduced by selecting another arrangement of girders or the series of girders must be joined at another position.

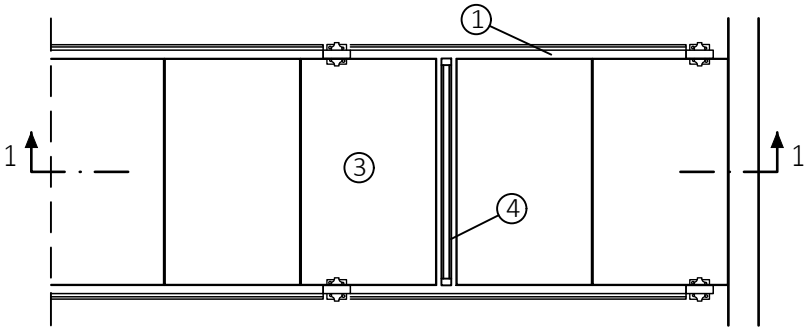
→ see 7.4

8 Compensation between NOEdeck panels

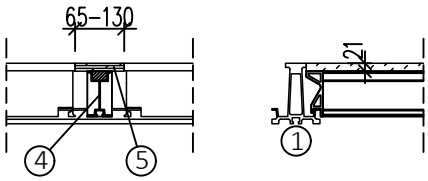
8.1 Compensation with NOEdeck compensating girder

- The NOEdeck panels should always come up to the wall and residual distances be filled by compensation measures within the deck area using NOEdeck compensation beams.
  This process is also recommended for the surrounding components (e.g. columns).

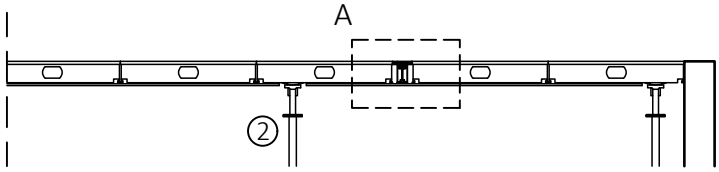
8.1.1 Compensations 65-130 mm



Detail A

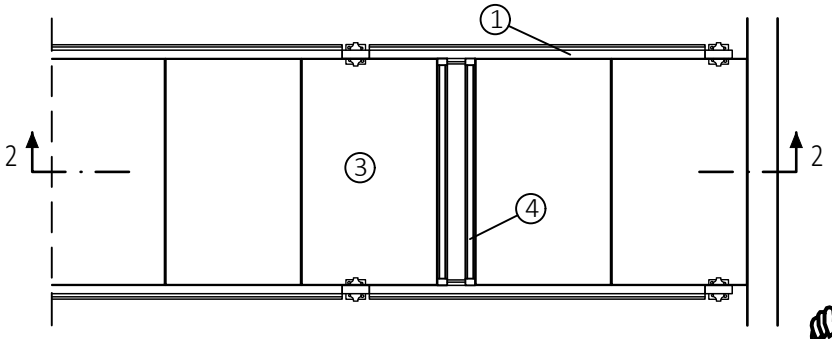


Section 1-1

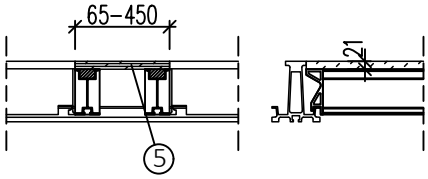


1 NOEdeck longitudinal girder
2 Prop with NOEdeck drophead
3 NOEdeck panel
4 NOEdeck compensation girder
5 Facing 21 mm

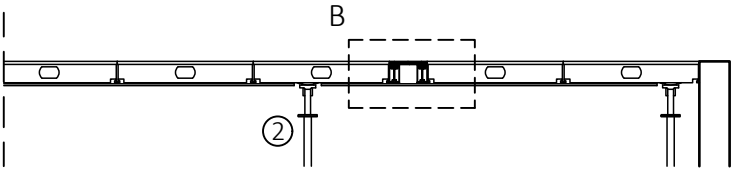
8.1.2 Compensation from 130 mm



Detail B

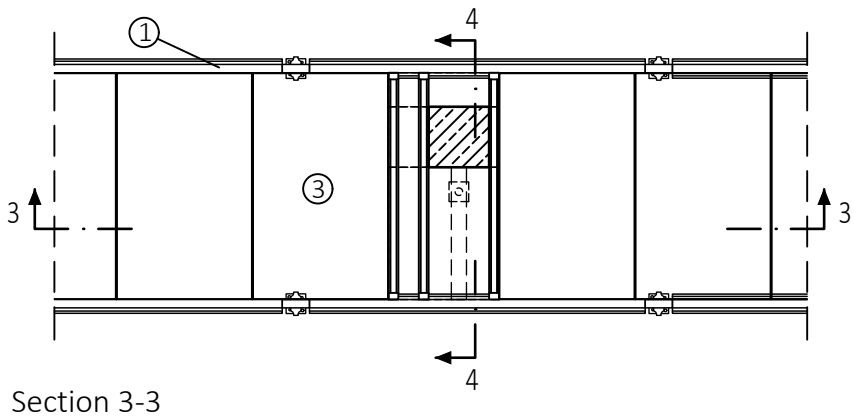


Section 2-2

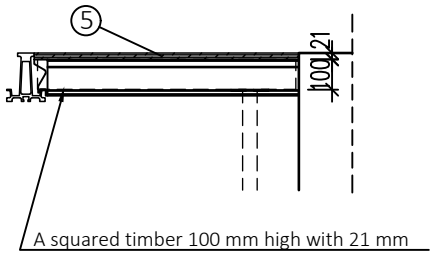


The number and spacing of the NOEdeck compensation girders depend on the deck thickness in acc. with Table 4.4 and the loadbearing capacity of the facing at the compensation piece.

8.1.3 Forming columns with the deck

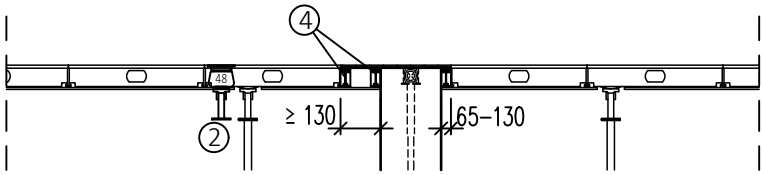


Section 4-4



A squared timber 100 mm high with 21 mm facing is flush with the NOEdeck panel if it is placed on one side directly on the NOEdeck longitudinal girder.

Section 3-3



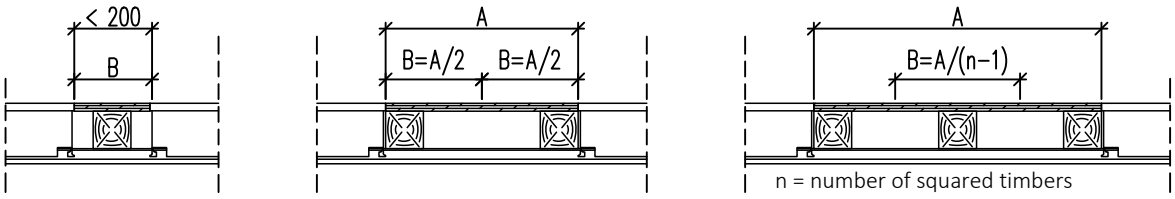
1 NOEdeck longitudinal girder
2 Prop with NOEdeck drophead
3 NOEdeck panel
4 NOEdeck compensation beam
5 Facing 21 mm

Depending on the arrangement of the NOEdeck panels, one or more NOEdeck compensation beams can be positioned to the side of the columns. The propping requirements for the area of deck near the column depend on the deck thickness and the loadbearing capacity of the facing used at the residual area.

8.2 Compensation with squared timber

- Compensation pieces formed with squared timbers 100 mm high and 21 mm facing can be generally used as mentioned above with NOEdeck compensation beams. The permissible influence widths for squared timbers 100x100 mm for a longitudinal spacing of 1500 mm can be obtained from the tables below.

The permissible span of the facing must be taken into account when determining the actual spacings.



deck thickness	Load in acc. with DIN EN 12812	Permissible Influence width B for squared timber 100x100 mm
(mm)	(kN/m²)	(mm)
100	4,5	840
120	5,0	750
140	5,5	680
160	6,1	620
180	6,6	570
200	7,1	530
220	7,6	490
240	8,1	460
260	8,7	430

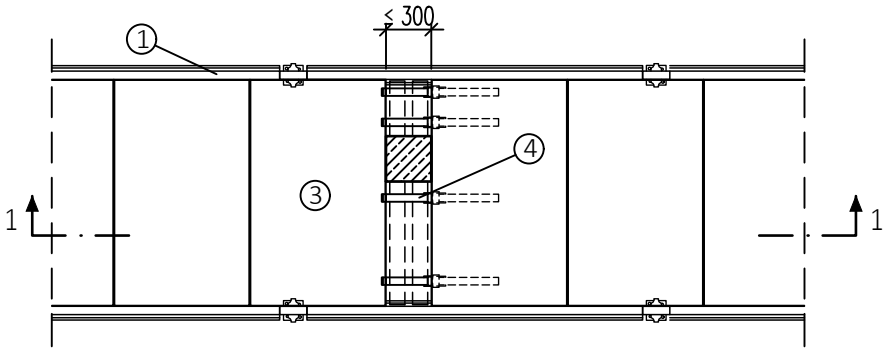
deck thickness	Load in acc. with DIN EN 12812	Permissible Influence width B for squared timber 100x100 mm
(mm)	(kN/m²)	(mm)
280	9,2	410
300	9,8	380
350	11,3	330
400	12,9	290
450	14,5	260
500	16,0	230
600	19,1	190
700	22,2	170
800	25,4	140

8.3 Compensation between NOEdeck panels with NOEdeck compensation bridge

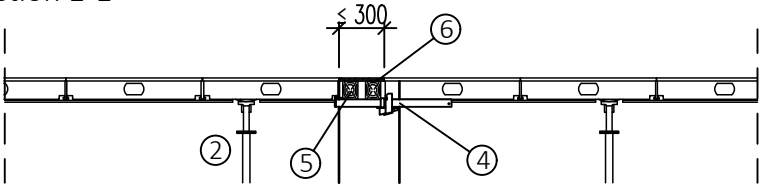
- NOEdeck compensation bridges can be suspended below in the NOEdeck panels to connect the panels to resist tension and compression loads.
  This allows NOEdeck panels to be positioned directly against columns or other components, without additional supports.

The max. width for the use of NOEdeck compensation bridges at NOEdeck panels is 300 mm for a maximum deck thickness of 300 mm.

Use at least 2 compensation bridges for each separate area of compensation formwork.

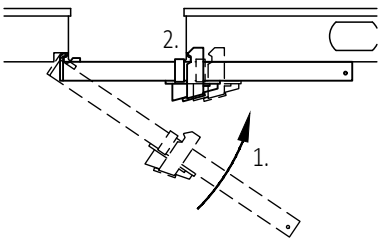


Section 1-1

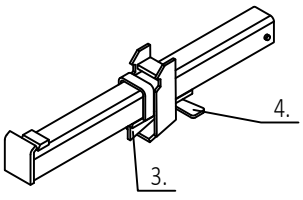


1 NOEdeck longitudinal girder
2 Prop with NOEdeck drophead
3 NOEdeck panel
4 NOEdeck Compensation bridge
Part No. 112900
5 Squared timber 120x100 mm
6 Facing 21 mm

Attaching the NOEdeck compensation bridge



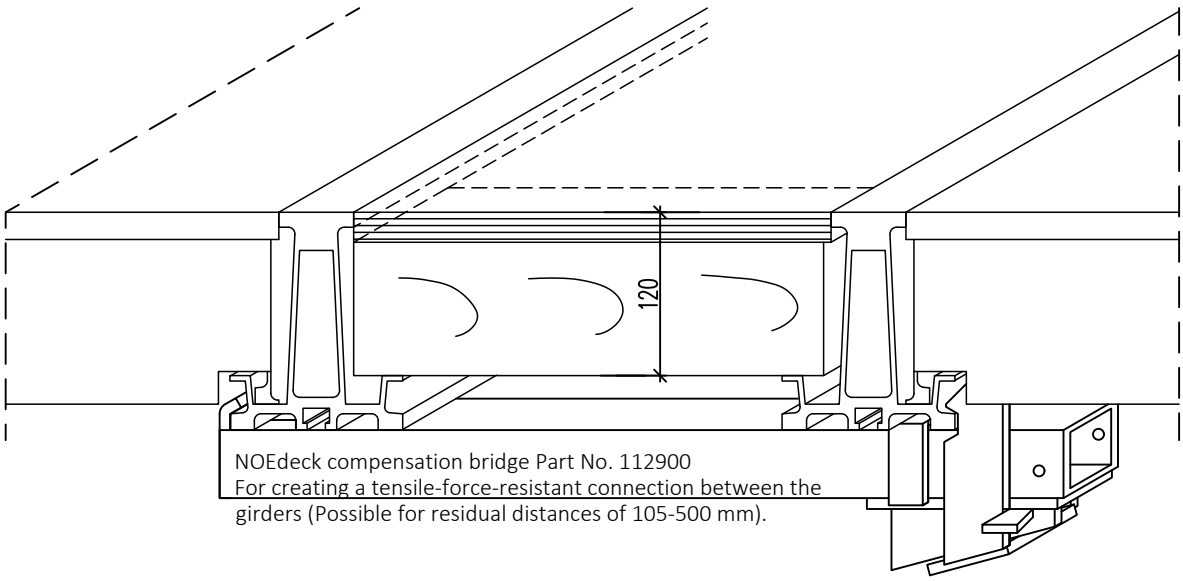
1. Suspend the fixed end of the compensation bridge in the NOEdeck panel or longitudinal girder and swing the compensation bridge upwards.
2. Suspend the sliding part from the other side.
3. Drive in the bottom wedge to tighten the compensation bridge.
4. Drive in the side wedge to prevent the bottom wedge from becoming displaced.



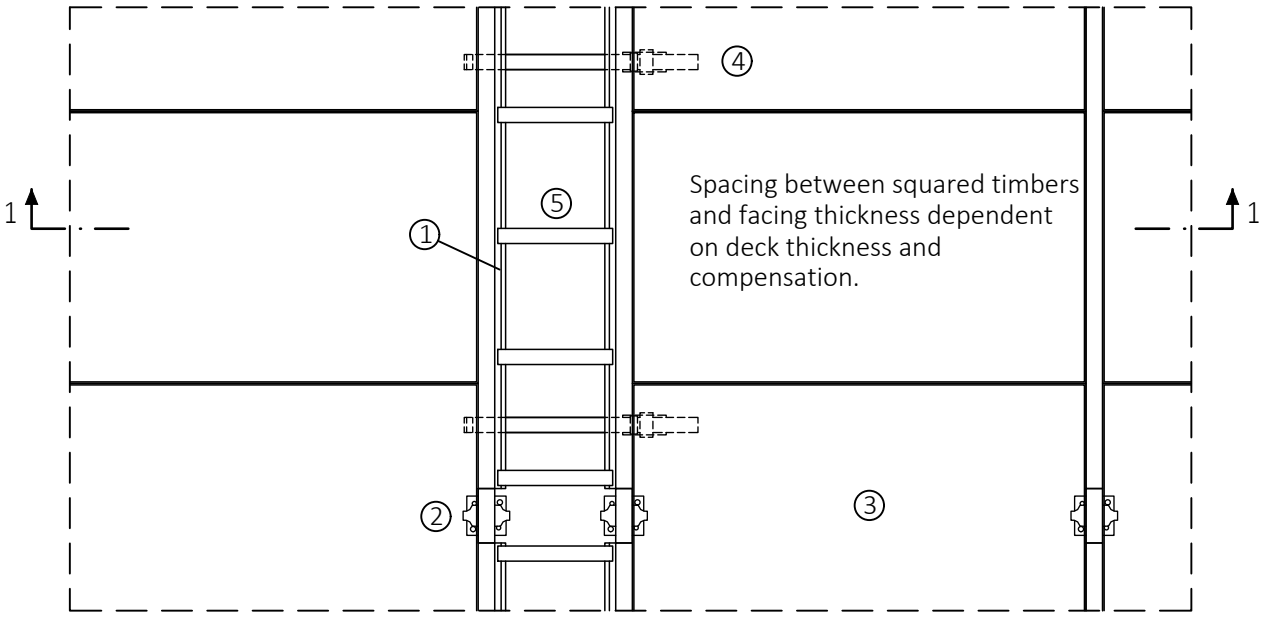
9 Compensation with NOEdeck longitudinal girders

9.1 Compensation between longitudinal girders with squared timber

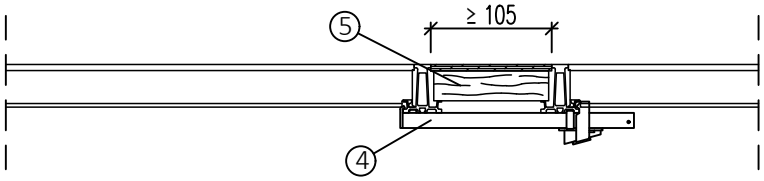
For residual distances from 105 mm



View from above



Section 1-1



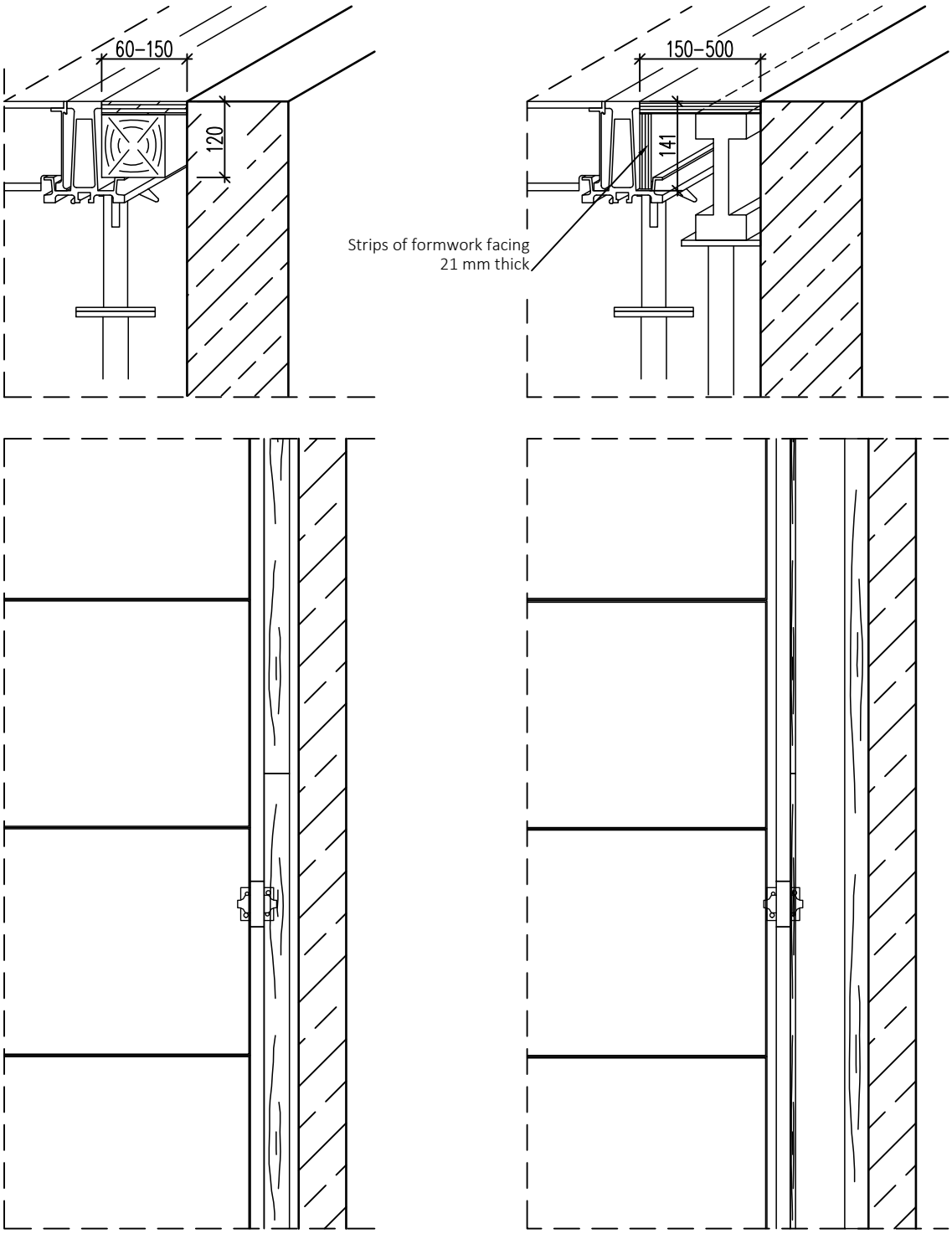
1 NOEdeck longitudinal girder
2 Prop with NOEdeck drophead
3 NOEdeck panel
4 NOEdeck compensation bridge Part No. 112900
5 Squared timber with facing

9.2 Compensation between NOEdeck longitudinal girder and wall

9.2.1 Compensation with squared timber
For residual distances of 60-150 mm

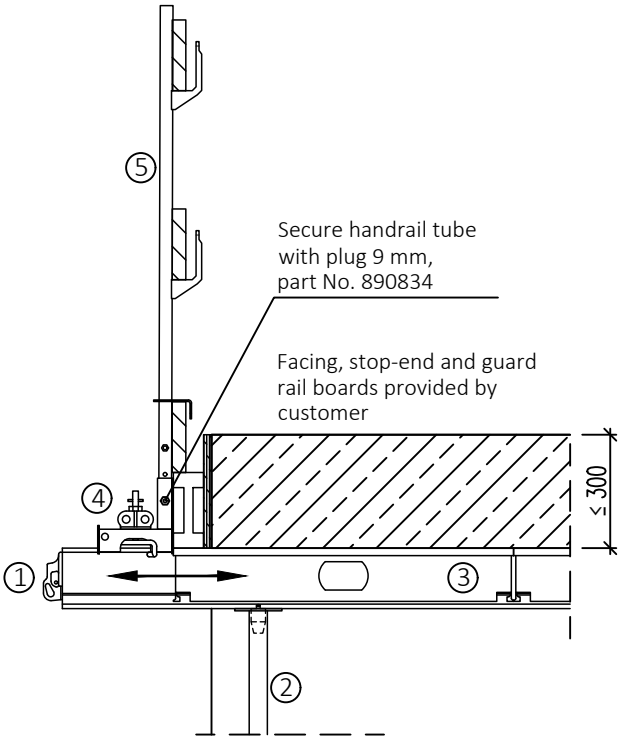
9.2.2 Filler piece with edge girder
For residual distances of 150-500 mm

The residual distance depends on the deck thickness and the loadbearing capacity of the facing used at the residual area.



10 Deck edge formwork with exposed deck edges

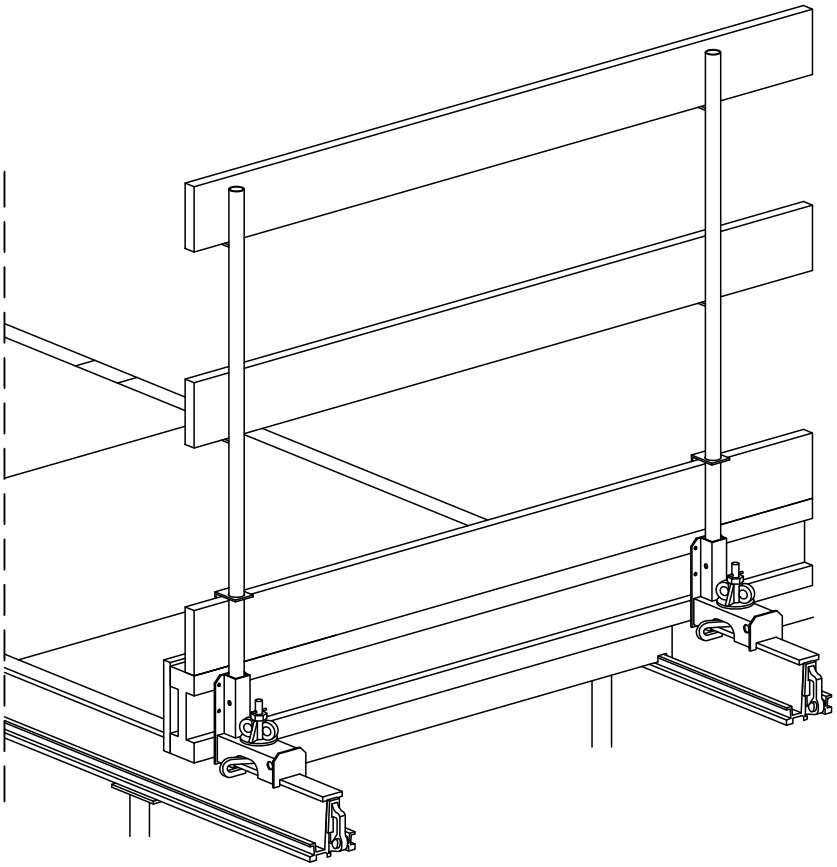
10.1 Stop-end at right angles to NOEdeck longitudinal girder



Observe the safety regulations for working at the deck edges and implement appropriate measures.

1 NOEdeck longitudinal girder
2 Prop with NOEdeck head piece
3 NOEdeck panel
4 Guard rail tube holder
Part No. 114920
5 Guard rail tube
Part No. 111403

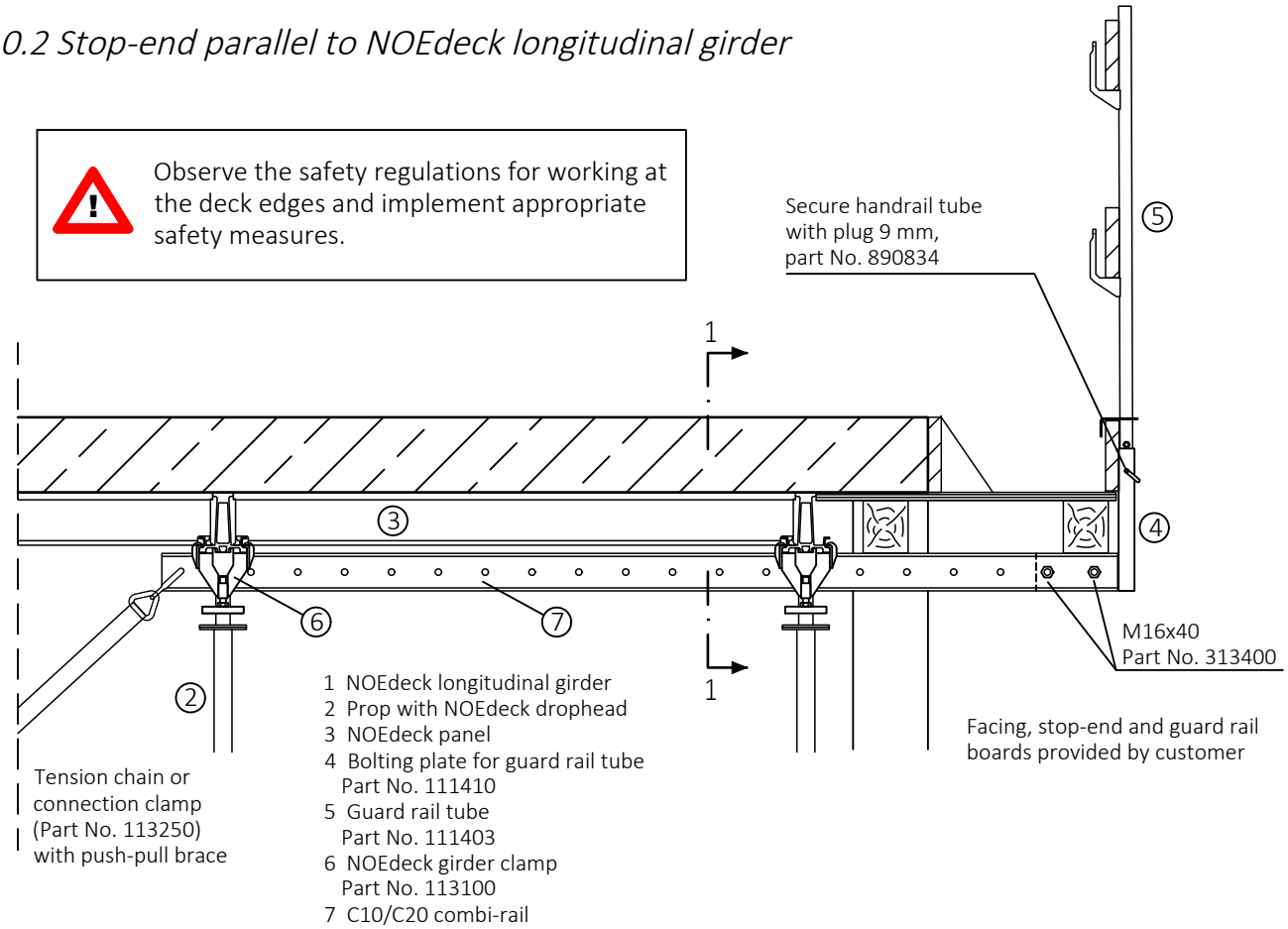
Select a sufficiently long NOEdeck longitudinal girder and secure against tilting, e.g. with belt.



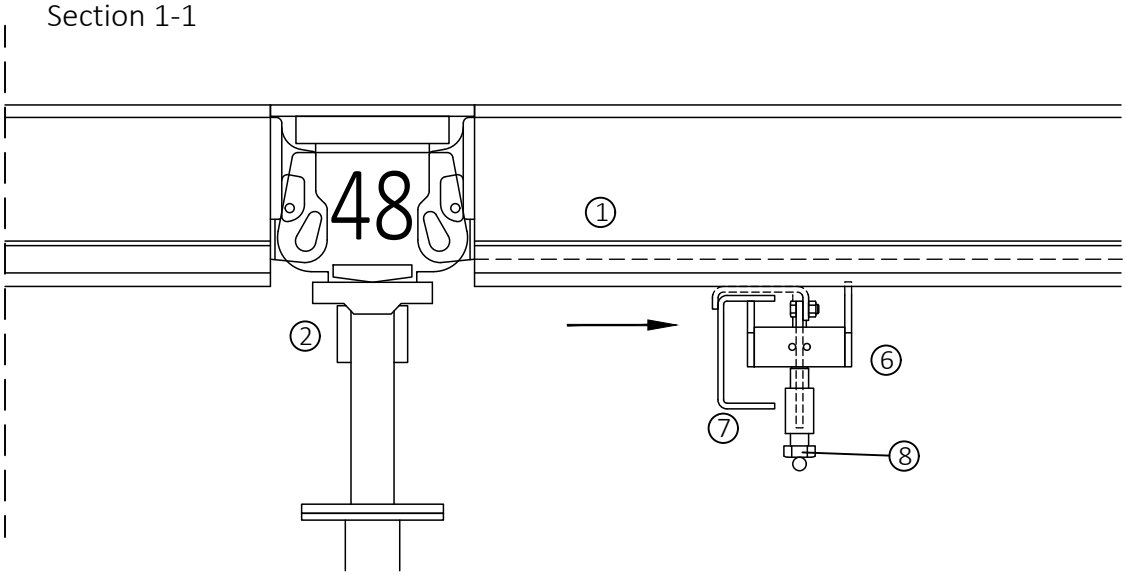
The handrail tube holder be slid along the aluminium longitudinal girder as required. With the help of the Sprint, it is clamped firmly in place on the girder.

10.2 Stop-end parallel to NOEdeck longitudinal girder

Observe the safety regulations for working at the deck edges and implement appropriate safety measures.



Section 1-1



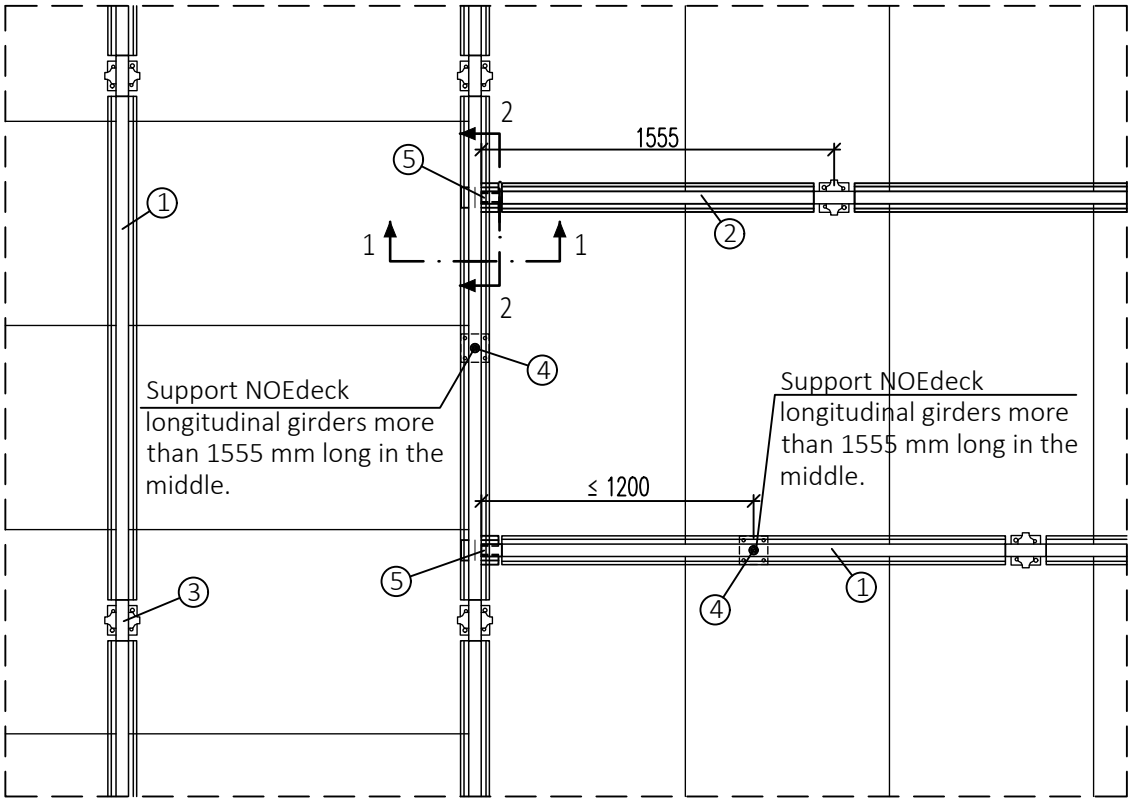
Mounting the girder clamp

1. Fit girder clamp (6) on to NOEdeck longitudinal girder (1).
2. Suspend NOEdeck longitudinal girder in NOEdeck drophead (2).
3. Suspend combi-rail (7) in girder clamp.
4. Tighten adjusting bolt (8).

11 Methods of connecting NOEdeck longitudinal girders

11.1 Transverse to girder span direction for deck thicknesses up to 400 mm

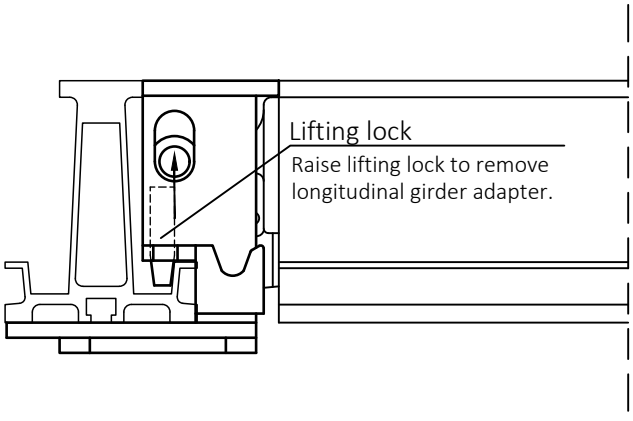
View from above



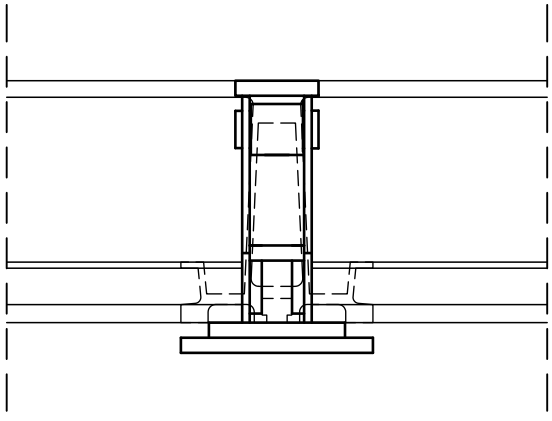
Cross connection not possible with NOEdeck Longitudinal girder 2 (construction height 220 mm)

1 NOEdeck longitudinal girder 2400 mm
2 NOEdeck longitudinal girder 1555 mm
3 Prop with NOEdeck drophead
4 Prop with NOEdeck head piece
5 Longitudinal girder adapter Part No. 115430, For deck thickness ≤ 400 mm

Section 1-1

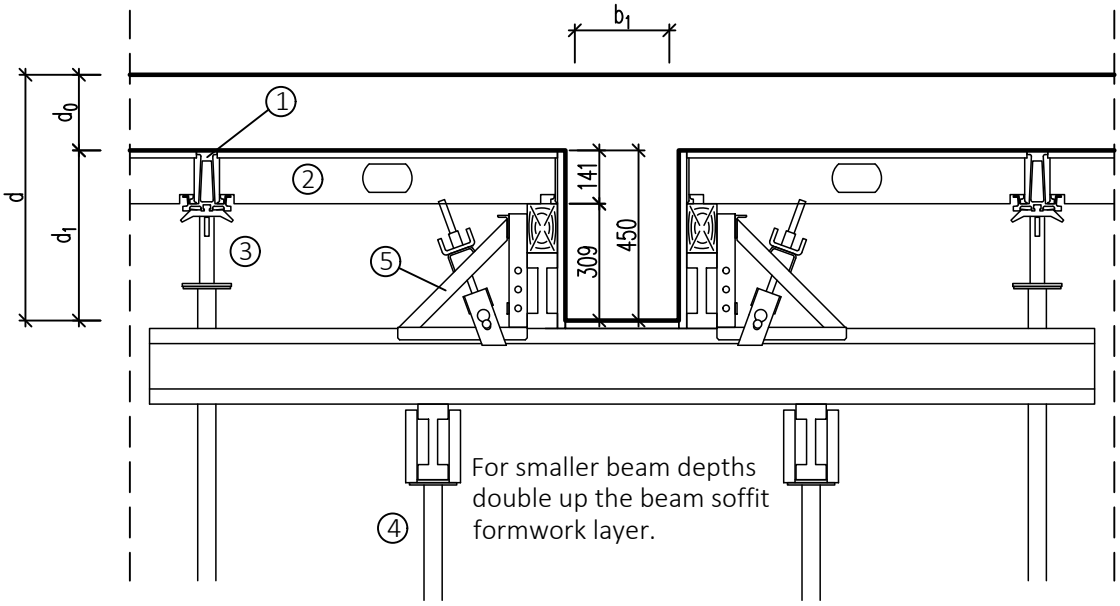


Section 2-2



12 Formwork solutions

12.1 Beams up to 450 mm with NOE blade clamps

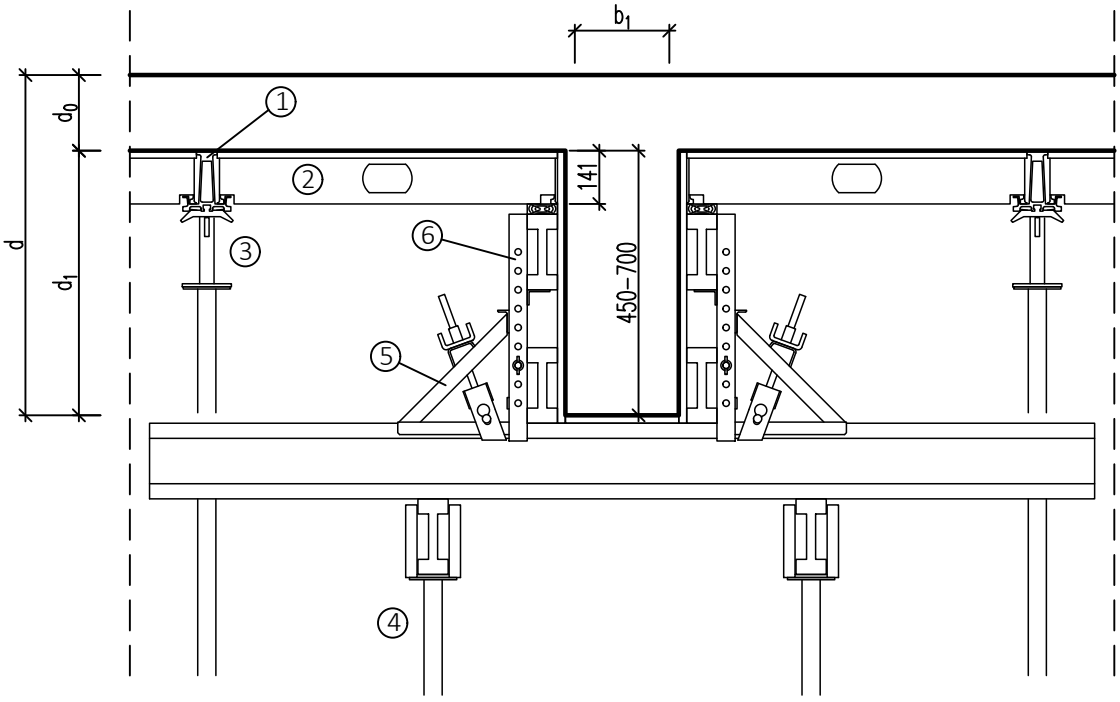


Deck thickness = d_0
Beam depth = d_1
Beam width = b_1

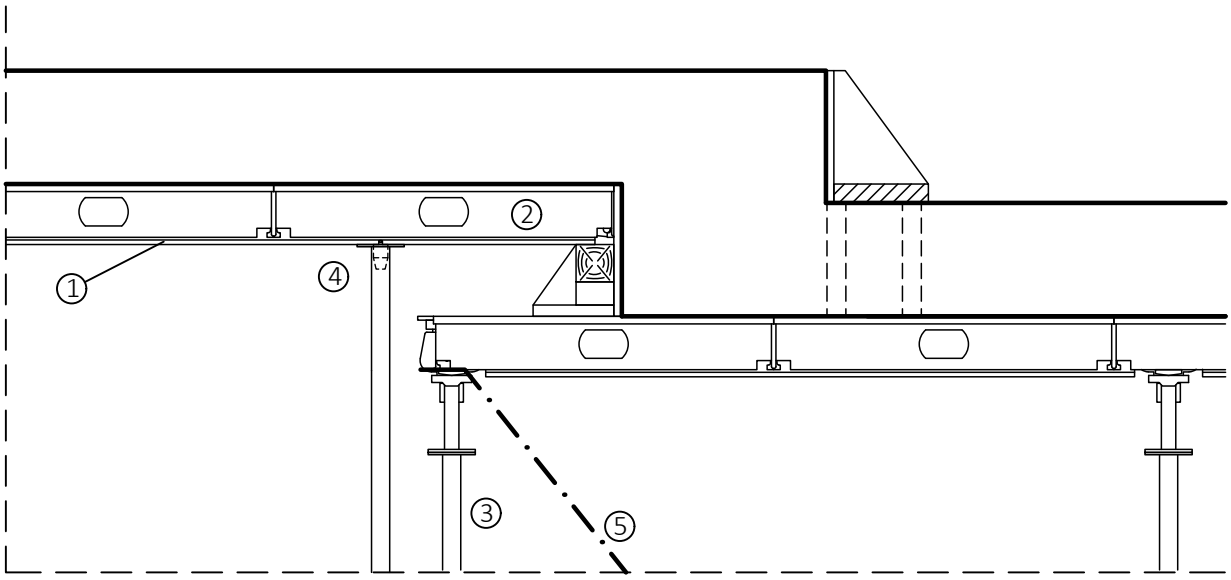
The spacings of the H20 beams and blade clamps must be calculated separately (see special Assembly and Operating Manual).

1 NOEdeck longitudinal girder
2 NOEdeck panel
3 Prop with NOEdeck drophead
4 Prop with fork head
5 Blade clamp 300 mm
Part No. 110800
6 Beam extension 600 mm
Part No. 110810

12.2 Beams of 450 up to 700 mm with NOE blade clamps and extension



12.3 Deck jump

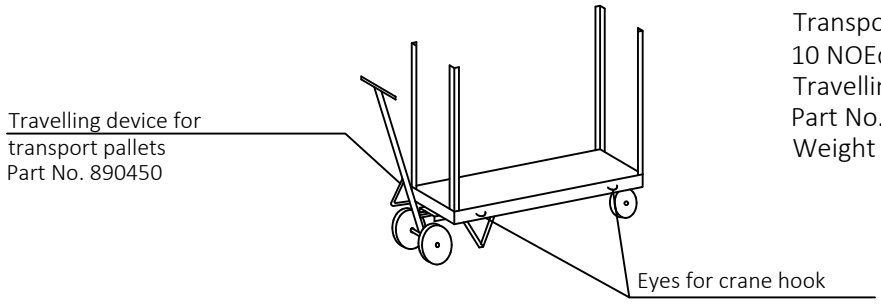


1 NOEdeck longitudinal girder
2 NOEdeck panel
3 Prop with NOEdeck drophead
4 Prop with head piece
5 Tie

13 Formwork transport

13.1 Transporting NOEdeck panels with transport pallet

- The NOEdeck panels can be stacked directly on to the transport pallet.
  The transport pallet can be steered with the travelling device and picked up with a crane.
  A 4-rope lifting sling can be hooked to the lifting eyes.

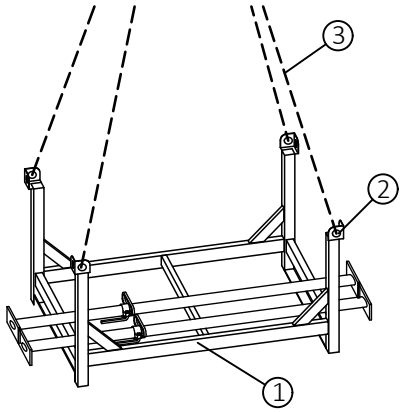


Transport pallet for max.
10 NOEdeck panels 150/90 cm
Travelling width 100 cm
Part No. 113310
Weight 57 kg

> The transport pallet must be used solely for the transport of NOEdeck panels on site.

13.2 Transport of deck props with the NOE pallet for deck props

- To ensure that can be transported safely, the deck props and other longer accessories must be stacked or bundled on NOE pallets when being loaded or unloaded.

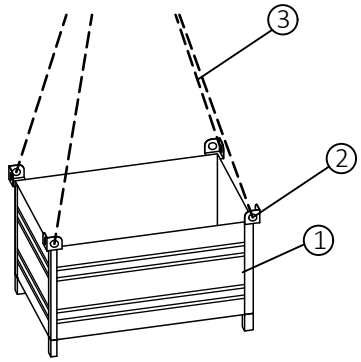


> Max. total weight per pallet:
> 16.5 kN (1650 kg)!
>
> Observe the provisions of the operating instructions when using the NOE pallet!

1 NOE pallet for deck prop
  Part No. 697599
2 Eye for attaching crane hooks
3 Sling rope

13.3 Transport of small items with NOE box

- Use NOE boxes to transport small items (dropheads, etc.) securely.



1 NOE box 1180X780 mm
Part No. 697598
Weight 78 kg
2 Eye for attaching crane hook
3 Sling rope

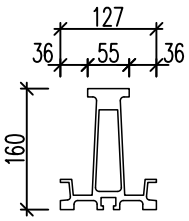
Max. total weight per box: 20 kN (2000 kg)!

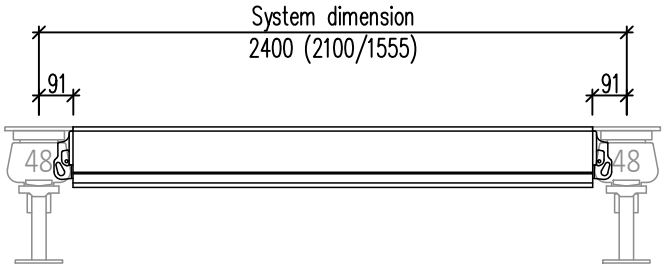
Observe the provisions of the operating instructions when using the NOE box!

Longer accessories such as tripods, guard rail post tubes must be bundled with steel straps so that they can be transported safely.

14 Individual parts

NOEdeck Longitudinal girder, construction height 160 mm

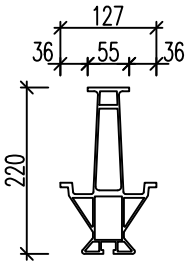


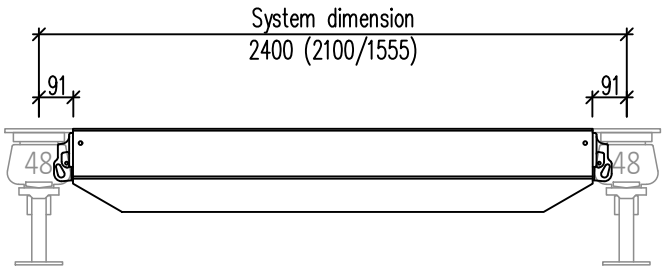


System dimension = distance from drop-head axis to drop-head axis

System dimension (mm)	Part No.	Weight (kg)
2400	115402	22,6
2100	115401	20,3
1550	115407	14,7

NOEdeck Longitudinal girder 2, construction height 220 mm, powder-coated (pc)



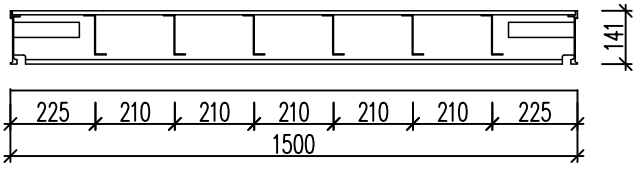


System dimension = distance from drop-head axis to drop-head axis

System dimension (mm)	Part No. (pc)	Weight (kg)
2400	115425	18,8
2100	115409	15,8
1550	115404	11,7

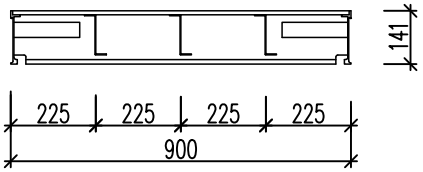
NOEdeck panels

Length 1500 mm



Width (mm)	Part No.	Part No. (pc)	Weight (kg)	Area (m²)
900	115312	115310	22.3	1.35
600	115322	115320	16.7	0.90
450	115332	115330	10.9	0.675

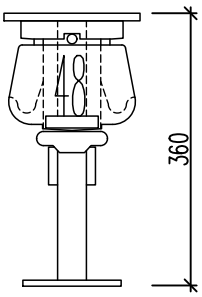
Length 900 mm

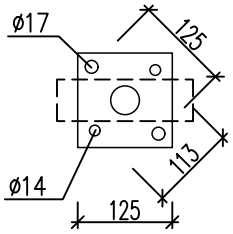


Width (mm)	Part No.	Weight (kg)	Area (m²)
900	115342	14.7	0.81
600	115352	11.0	0.54
450	115362	7.2	0.405

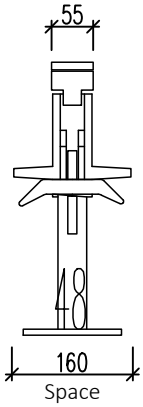
NOEdeck drop-head 48 kN

Permissible load 48 KN
Part No. 112520
Weight 8.0 kg





Lowering distance 170 mm

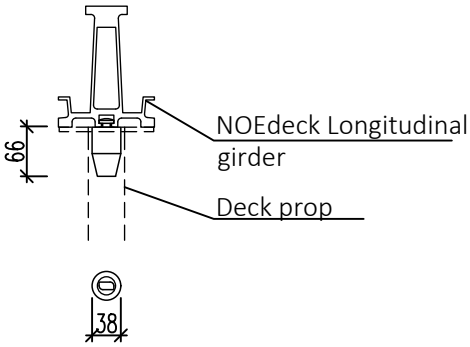


Mounting on ADS support or NOEprop
with 2 M16x40 Part No. 313400

Mounting on steel-tube support
with 2 M10x40 Part No. 311100

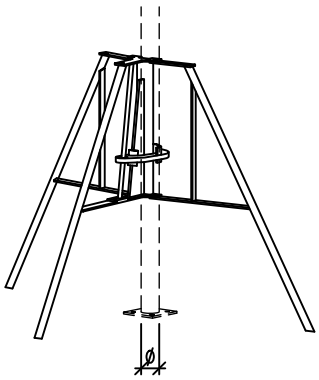
NOEdeck head piece 38 mm

Part No. 115443
Weight 0.1 kg



For attaching deck props to a NOEdeck longitudinal girder.

Folding tripod

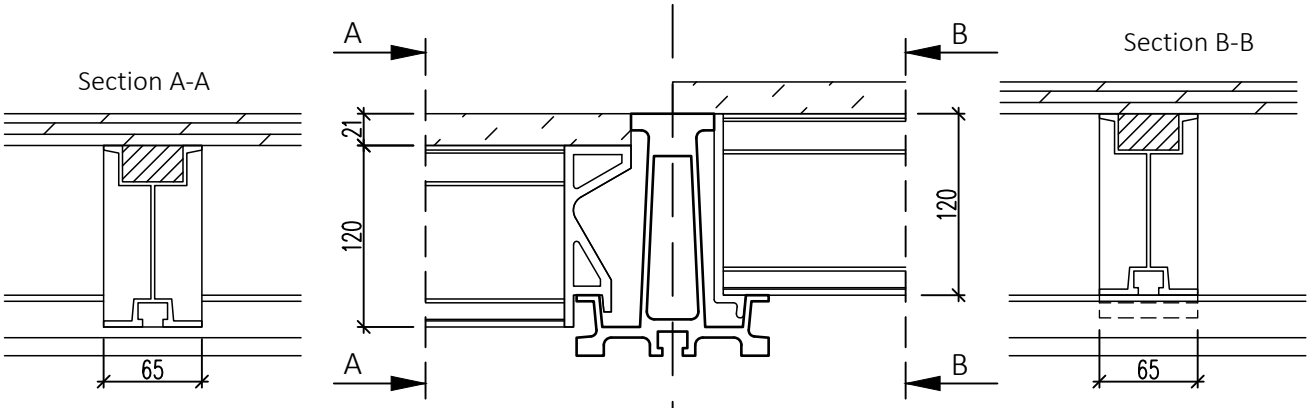


Folding tripod for Ø 48- 90 mm
Part No. 900072

Folding tripod for Ø 90-120 mm
Part No. 900073

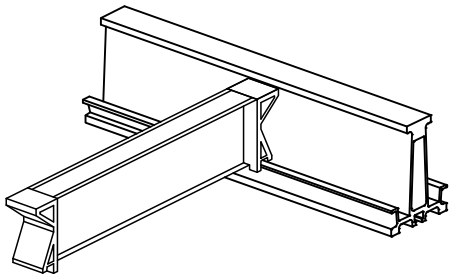
NOEdeck compensating girder for compensation and drop-head system

Upper edge of NOEdeck compensating girder 21 mm lower than longitudinal girder



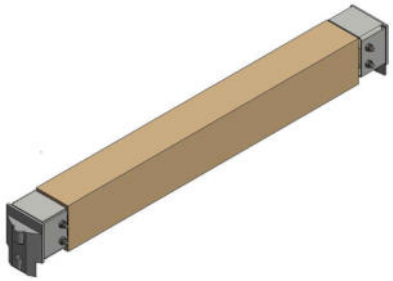
Facing is on compensating girder between the longitudinal girders

Designation	Part No.	Weight (kg)
NOEdeck compensating girder alu 900	115412	3,0
NOEdeck compensating girder alu 1500	115416	4,7



Alternative to NOEdeck compensating girder alu

Designation	Part No.	Weight (kg)
NOEdeck compensating girder timber 900	116090	6,3
NOEdeck compensating girder timber 1500	116150	8,6

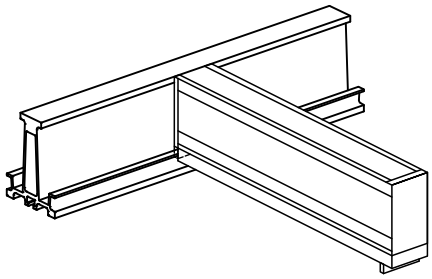


NOEdeck cross-beam for continuous facing

Upper edge of NOEdeck cross-beam = upper edge of longitudinal girder

Facing is on cross-beam and longitudinal girder

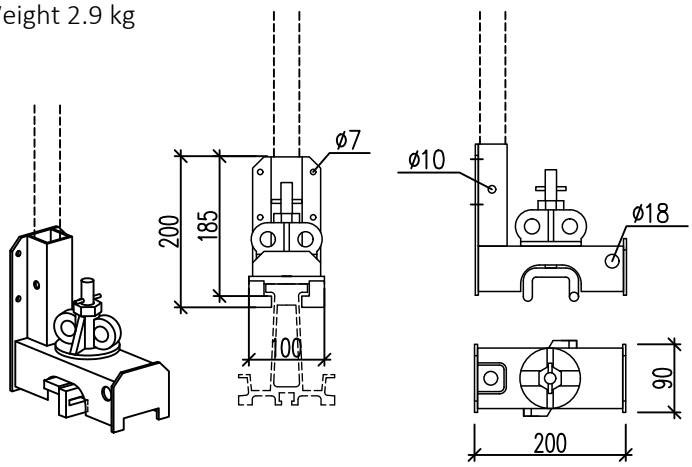
Designation	Part No.	Weight (kg)
NOEdeck cross-beam alu 1500	115410	2,8
NOEdeck cross-beam alu 900	115414	4,6



See loading table 4.4

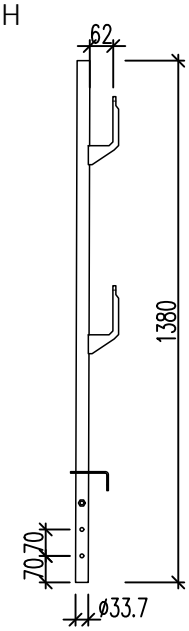
Guard rail tube holder

Part No. 114920
Weight 2.9 kg



Handrail tube 1380 H

Part No. 111403
Weight 5.1 kg



Plug 9 mm

to secure handrail tube
Part No. 890834