

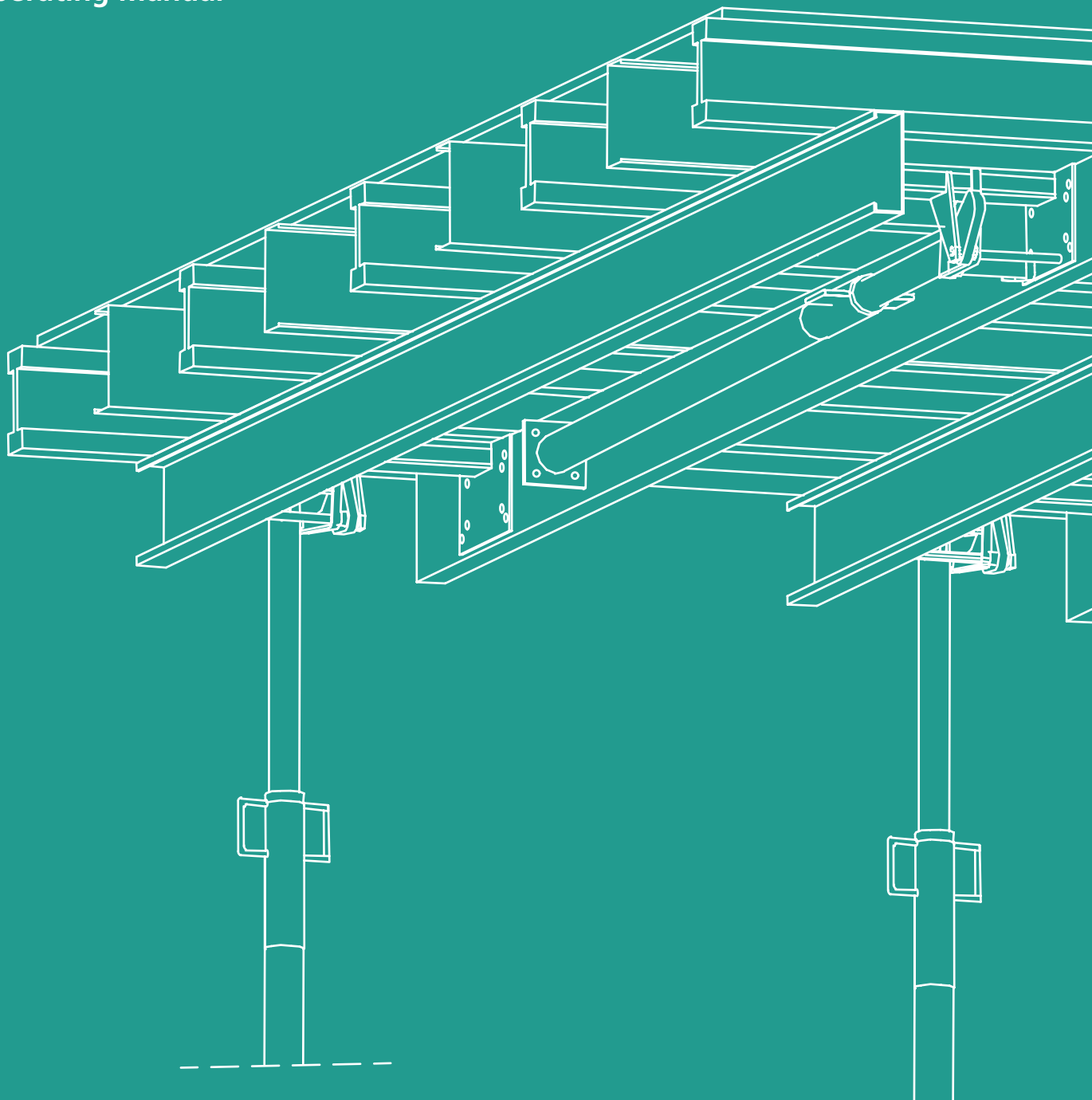


THE FORMWORK

NOE[®] table

Dated: 01.2023

Assembly and
Operating Manual



Assembly and Operating Manual
NOEtable swivelling head deck table



Contents		Page
1	Safety advice, GSV Guide	4
2	System overview	5
3	Table of prop loads for standard tables	5
4	Section and plan of standard table	6
4.1	Cross section	6
4.2	Longitudinal section	6
4.3	Plan	7
4.4	Cross section with swivelling head and crane suspension point detail	7
5	Guard rail construction end face	8
5.1	With guard rail tube holder for tube $d=33.7$ mm	8
5.2	With guard rail clamp	8
6	Attaching swivelling head	9
7	Attaching and folding the props in/out	9
7.1	Attaching to the swivelling head	9
7.2	Additional props for greater deck thicknesses	10
7.3	Folding the props in/out on the swivelling head	10
8	Moving the deck tables	12
8.1	Moving with formwork carriage	12
8.2	Moving with crane hook	12
8.3	Moving with crane fork	13
9	Placing the tables	14
9.1	At a wall	14
9.2	At a table	14
10	Residual widths	14
10.1	At a wall	14
10.2	Between 2 tables	14
11	Individual parts	15
12	NOEtable Trolley and AR support units	18

Assembly and Operating Manual

NOEtable swivelling head deck table



1. Safety advice, GSV guidelines

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).



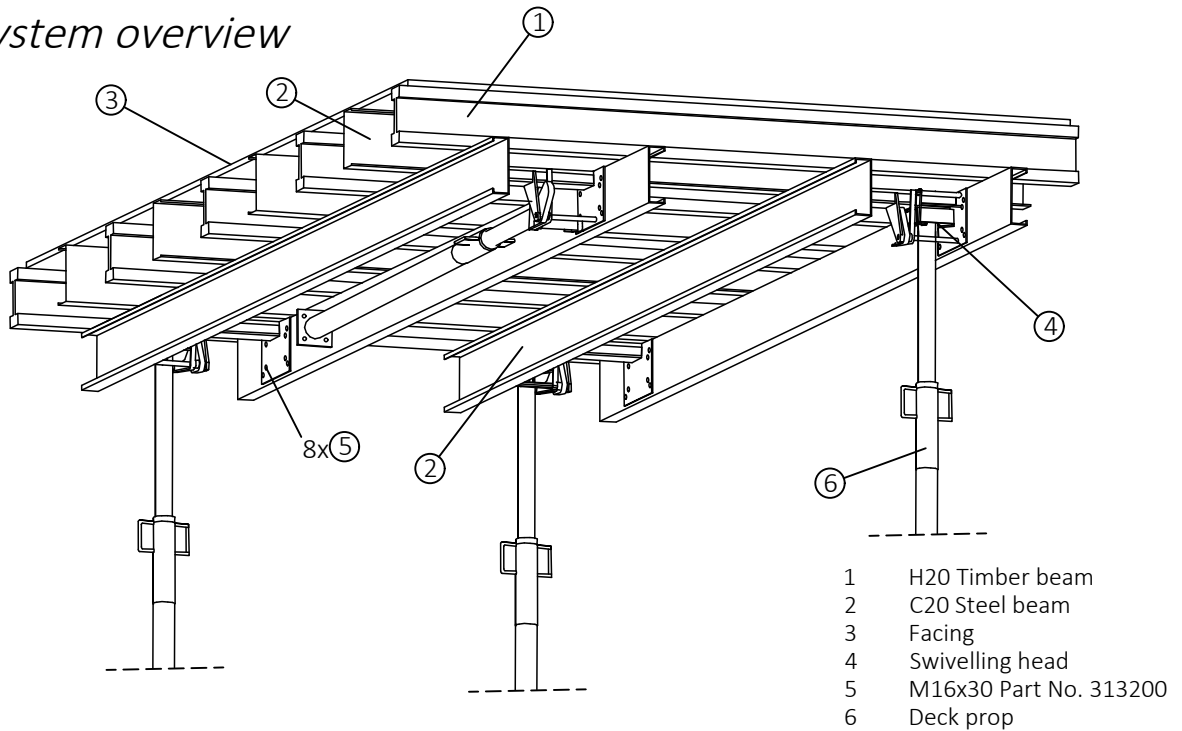
Visual check: The intended operation is to be subject to a visual check.



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 overview



Overview of table dimensions:

Part No.	Length [mm]	Width [mm]	Area [m ²]	Weight [kg]
699020	4000	2000	8,0	425
699030	5000	2000	10,0	500
699040	4000	2500	10,0	500
699050	5000	2500	12,5	607

Standard table consisting of transverse support beams, facing beams, crane suspension points and basic facing, but not swivelling heads, guard rail tubes, tube supports and deck props.

3. Table of prop loads for standard tables

Part Number	Cantilever Support [mm]	Deck thickness [mm]	Load n. DIN EN 12812 [kN/m ²]	Prop load at head [kN]
699020 (4000x2000)	750	300	9,4	18,8
		280	8,9	17,8
		260	8,4	16,8
		240	7,9	15,8
699030 (5000x2000)	1000	300	9,4	23,5
		280	8,9	22,3
699040 (4000x2500)	750	260	8,4	21,0
		240	7,9	19,8
699050 (5000x2500)	1000	300	9,4	29,4
		280	8,9	27,8
		260	8,4	26,3
		240	7,9	24,7

Permissible loads as per DIN EN 12812

Formwork Weight : $g = 0.35 \text{ kN/m}^2$
 Live Loads : $v = 0.75 \text{ kN/m}^2$
 (Load Class 1)
 Concrete Load : $b = 25 \times d \text{ kN/m}^2$
 Fill Weight Concrete: $p = 0.1 \times b \text{ kN/m}^2$
 $0.75 \leq p \leq 1.75 \text{ kN/m}^2$
 Load : $q = g + v + b + p$

Deflections in accordance with the requirements of DIN 18202, Table 3, Line 6.

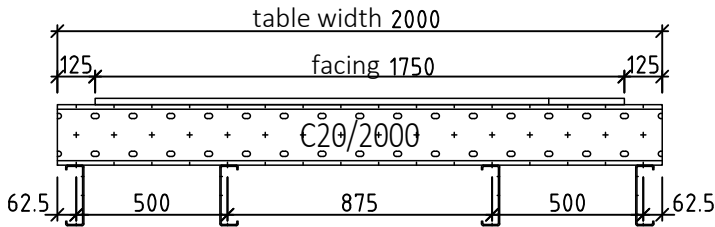
Max. Slab thickness: 30 cm *

* Please contact NOE for larger slab thickness.

4 Section and plan of standard table

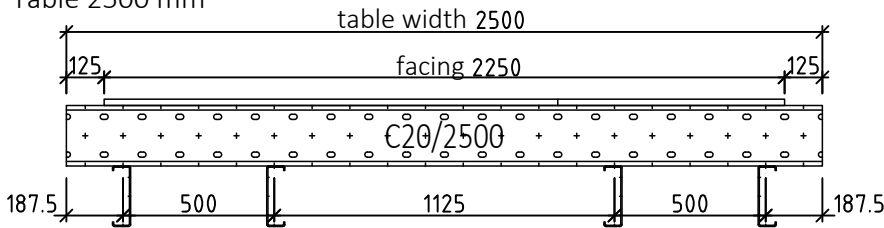
4.1 Cross section

- ◆ Table 2000 mm

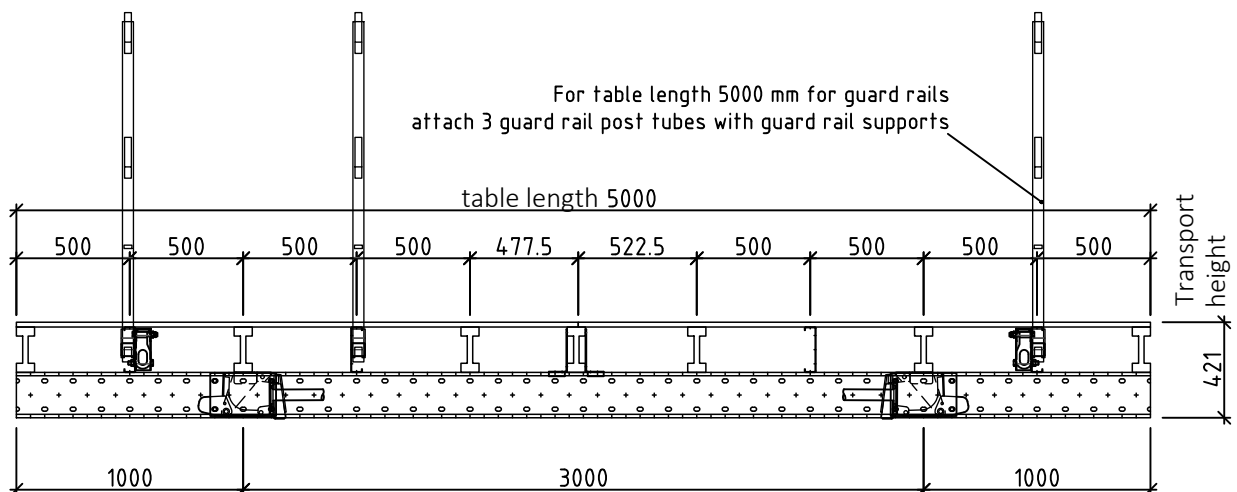
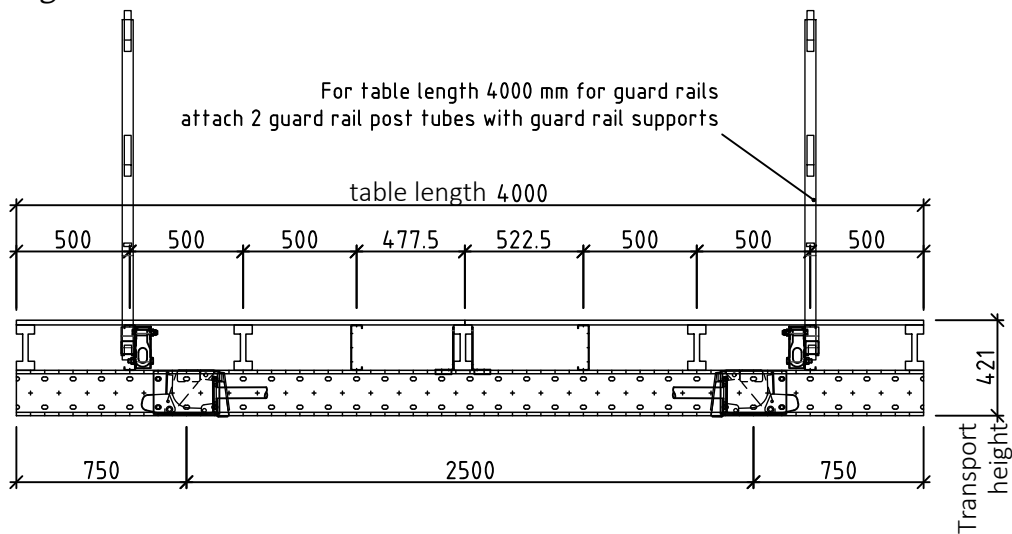


The folded-in deck props lie in the spaces between the C20 transverse beams. This results in a transport height of approx. 420 mm.

- ◆ Table 2500 mm



4.2 Longitudinal section



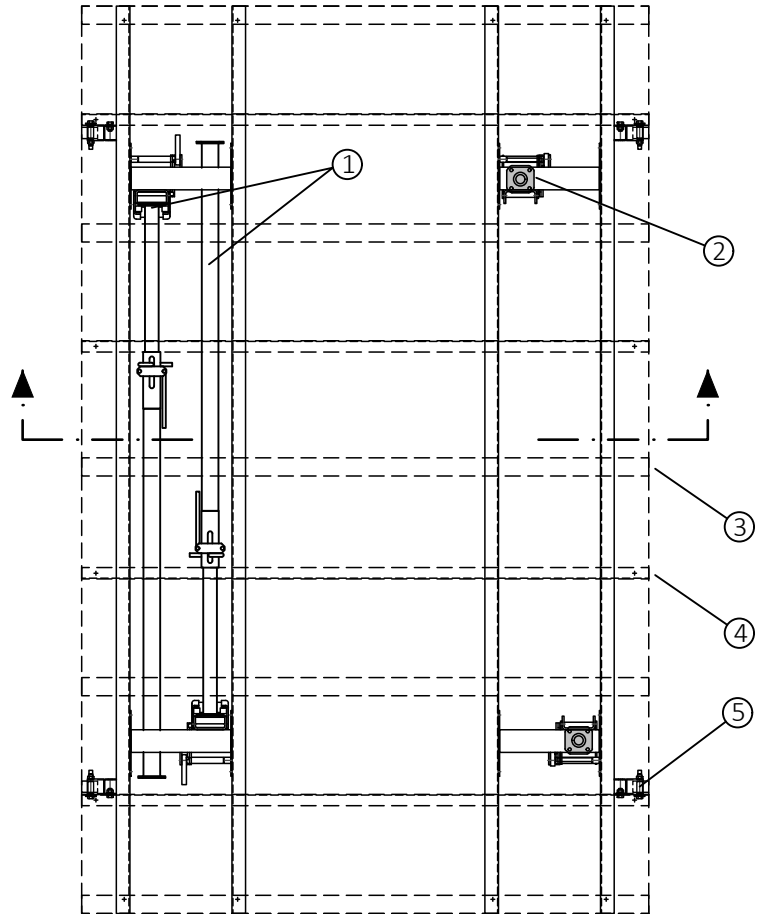
Assembly and Operating Manual

NOEtable swivelling head deck table



4.3 Plan

Always push deck props together to minimum length for transporting.

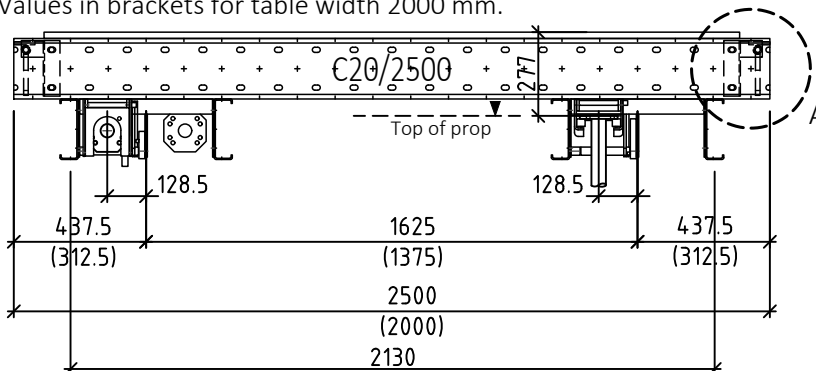


- 1 Deck prop folded up
- 2 Deck prop folded out
- 3 H20 girder
- 4 C20 beam
- 5 Crane suspension
- 6 Crane hook support Part No. 350201
- 7 Crane hook Part No. 350200
- 8 M16x30 Part No. 313200
- 9 M16x100 Part No. 314000
- 10 Safety nut M16 Part No. 327000

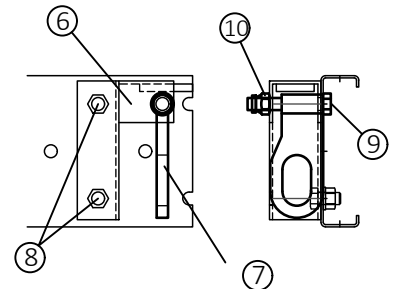
Before moving deck tables with lifting equipment, the crane suspension points must be checked to see that they are securely attached and functioning properly.

4.4 Cross section with swivelling head and crane suspension point detail

Values in brackets for table width 2000 mm.

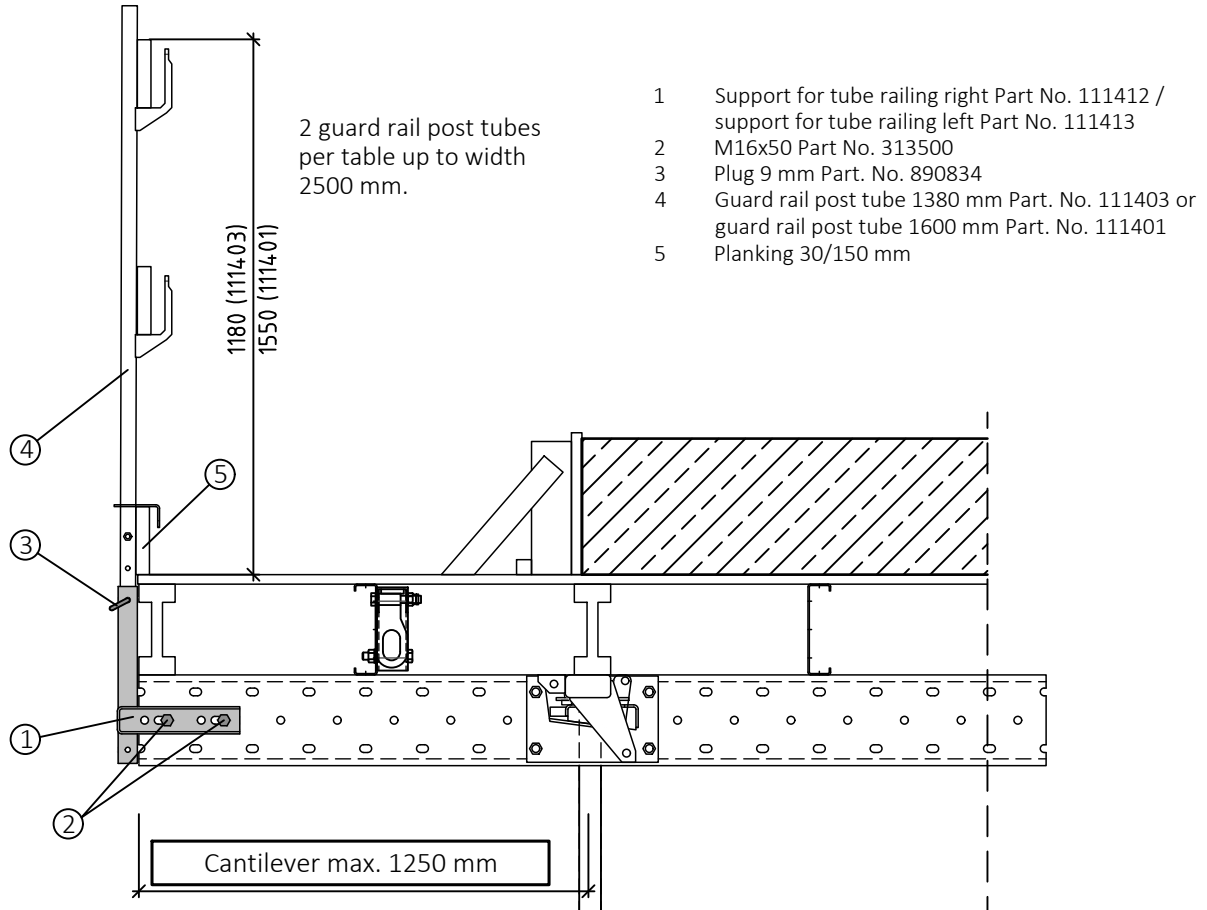


Detail A



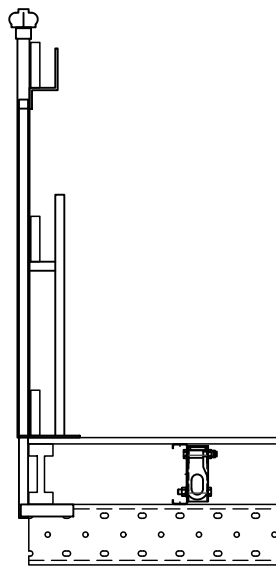
5 Guard rail construction end face

5.1 With guard rail tube holder for tube $d=33.7$ mm



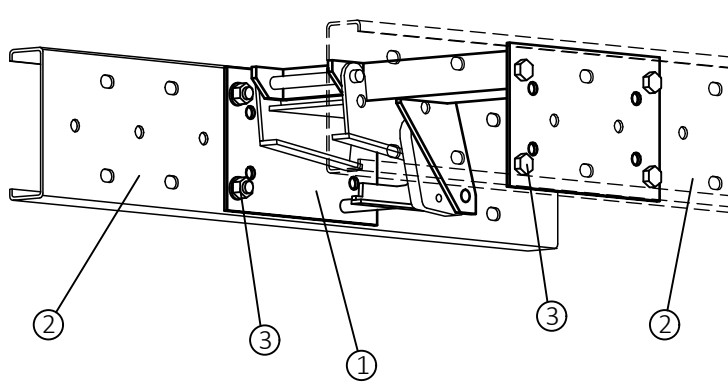
5.2 With guard rail clamp

Guard rail clamp Part No. 900052 clamped on to facing beams.



6 Attaching swivelling head

Attaching swivelling head with 8 bolts M16x30

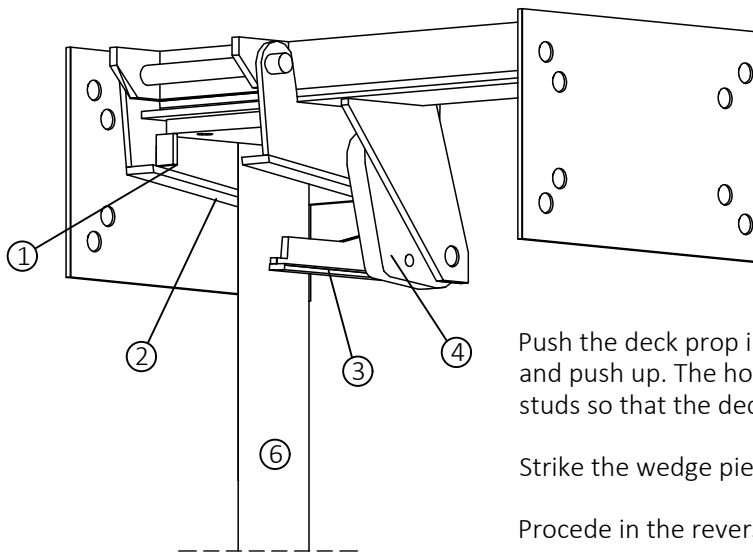


- 1 Swivelling head
- 2 Support beam C20 S
- 3 Bolt M16x30 with washer

7 Attaching and folding the props in/out

7.1 To the swivelling head

Prop length = clear height - 277 [mm]
(for 21 mm facing)



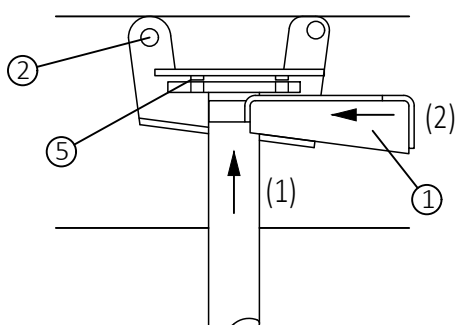
- 1 Wedge piece
- 2 Swivelling plate
- 3 Catch
- 4 Balancing weight
- 5 Stud
- 6 Deck prop

Push the deck prop into the swivelling plate as far as it will go (1) and push up. The holes in the prop head must engage with the studs so that the deck prop is fixed in the swivelling plate.

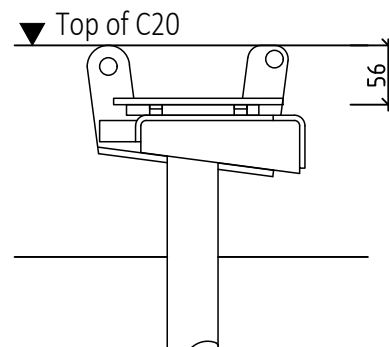
Strike the wedge piece in the direction of the arrow (2).

Proceed in the reverse order when removing the props.

Attaching the deck prop

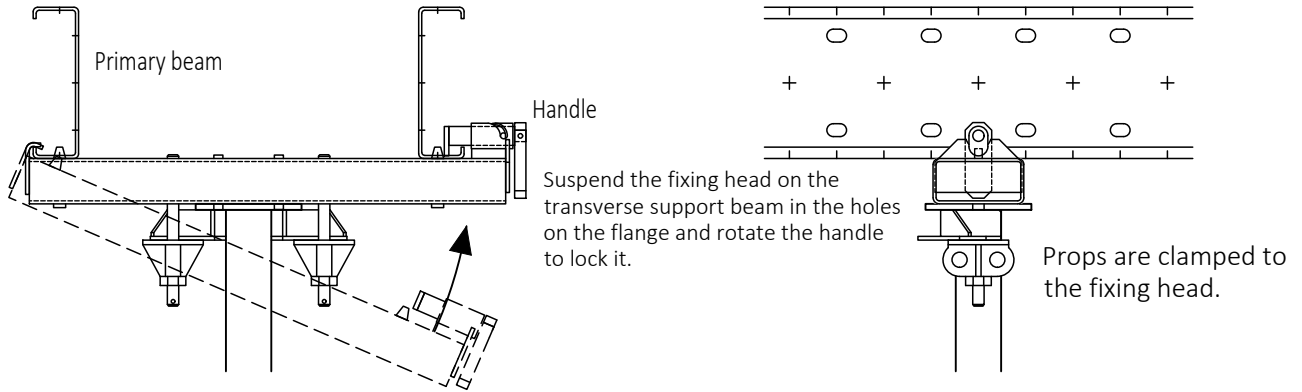


Deck prop attached



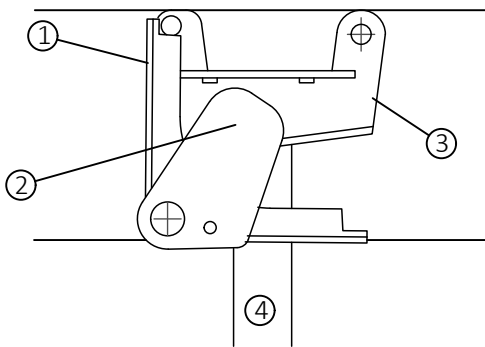
7.2 Additional props for greater deck thicknesses

Additional props can be attached to carry greater deck thicknesses. Structural engineering design calculations can be supplied on request.

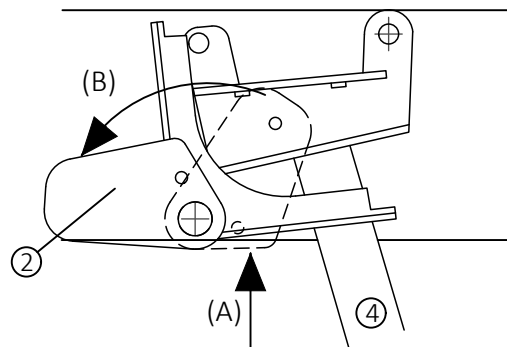


7.3 Folding the props in/out on the swivelling head

a) Swivelling head in the working setting



b) Folding out the deck prop



Attention: Lock the catch and the swivelling plate with the balancing weight. This must be positioned as shown.

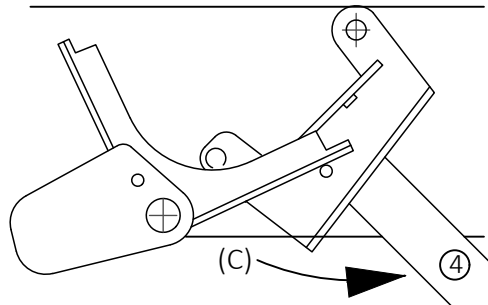
To unlock the balancing weight from the ground, tilt it backwards with a long piece of wood (A). This releases the catch from the swivelling plate (B).

Assembly and Operating Manual

NOEtable swivelling head deck table

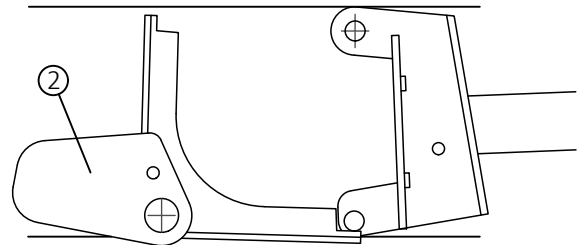


c) Engage catch



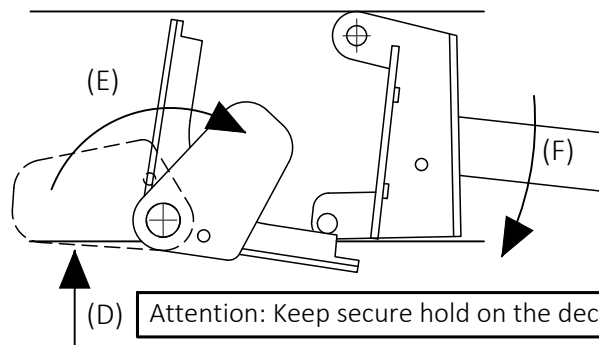
Fold the prop and the swivelling plate upwards until the catch engages (C).

d) Deck prop folded in for transport



Attention:
Locking the catch with the balancing weight.
This must be positioned as shown.

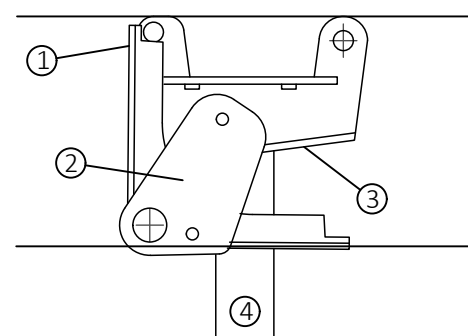
e) Fold out deck props



Attention: Keep secure hold on the deck prop!

To fold out the balancing weight from the ground, tilt the balancing weight forwards (D) with a long piece of wood, thus releasing the catch and the swivelling plate (E).

f) Swivelling head in working position



Fold out the deck prop and the swivelling head again until it engages (F).

Attention:
Locking the catch with the balancing weight.
This must be positioned as shown.

 To avoid a trapping injury, use a suitably long object and not your hands to tilt the balancing weight!

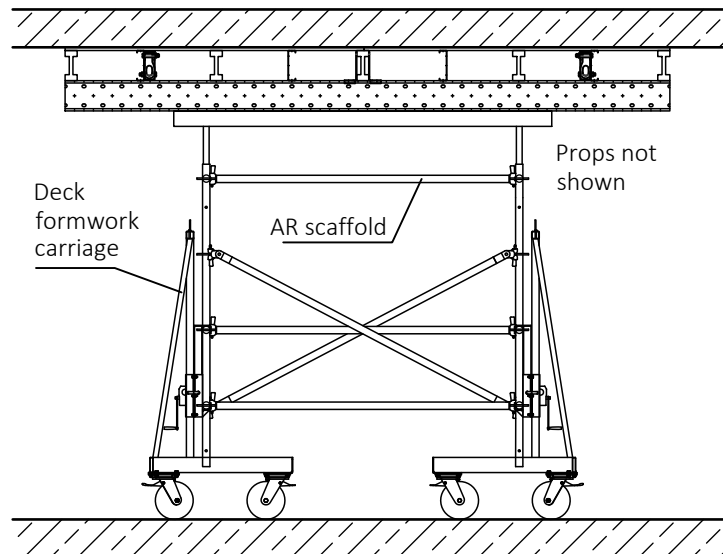
- 1 Catch
- 2 Balancing weight
- 3 Swivelling plate
- 4 Deck prop

8 Moving the deck table

8.1 Moving with formwork carriage

Position the formwork carriage longitudinally in the middle under the deck table and raise the formwork carriage. Then release the deck props and fold them in (if necessary secure them against them falling down). Lower the formwork carriage and move it along with the deck table.

For use and assembly of the formwork carriage see separate operating instructions.



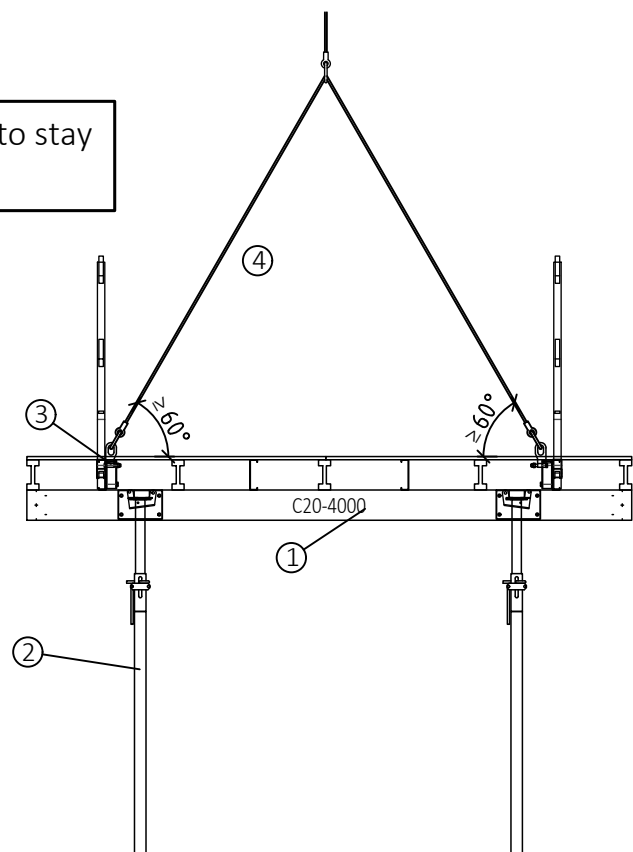
8.2 Moving with crane hook

Standard crane suspension see Section. 4.3



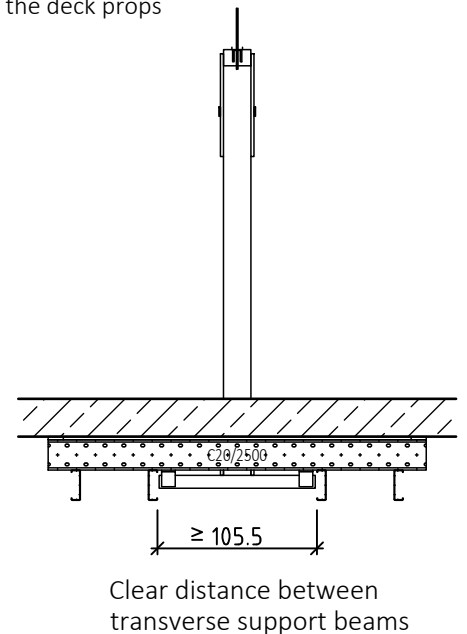
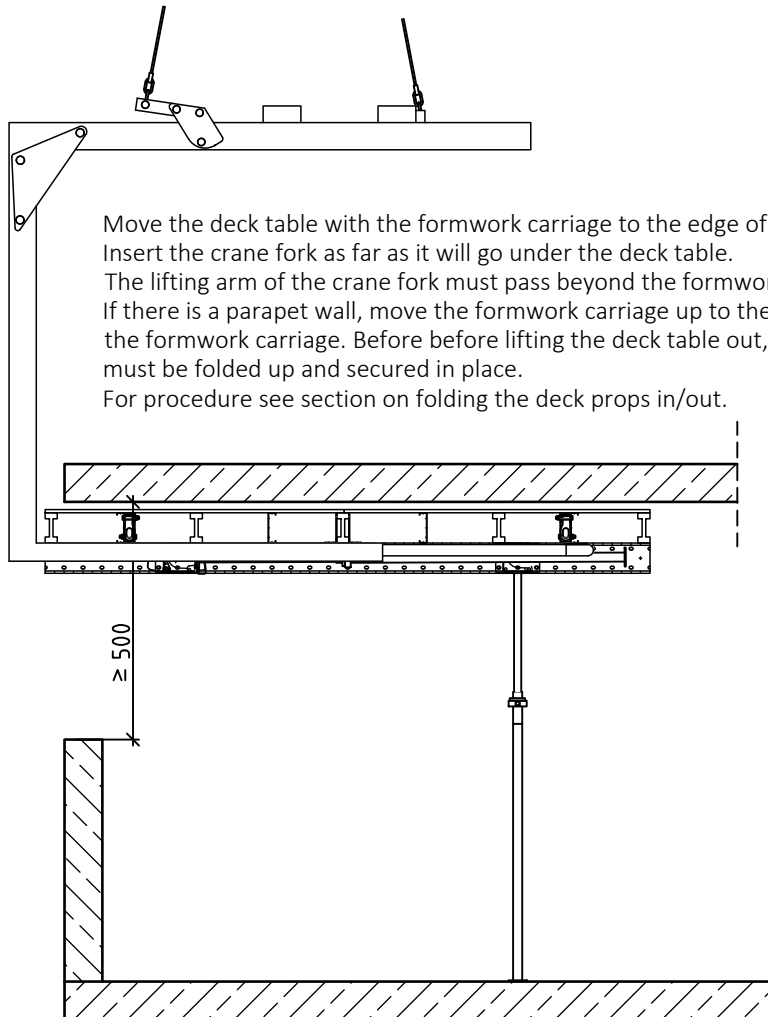
Attention: Do not allow anyone to stay under a suspended load!

Attach crane ropes to the 4 crane suspension points of the deck table. Before lifting with the crane, the deck props must be secured against falling out or folded in. The general safety regulations for crane transport must be observed.



- 1 Deck table
- 2 Prop
- 3 Crane suspension
- 4 Sling rope quadruplicate

8.3 Moving with crane fork

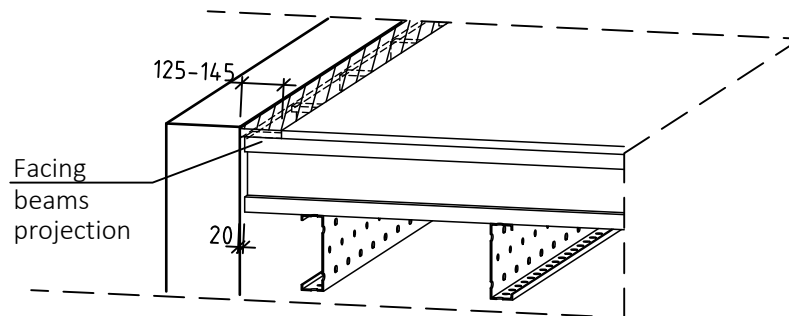


- Moving with crane fork only up to max. 5000 mm table length !
- Transverse support beam spacing min. 1050 mm, for smaller transverse support beam spacings move table sideways !
- Maximum width of the formwork carriage is 800 mm!

9 Placing the tables

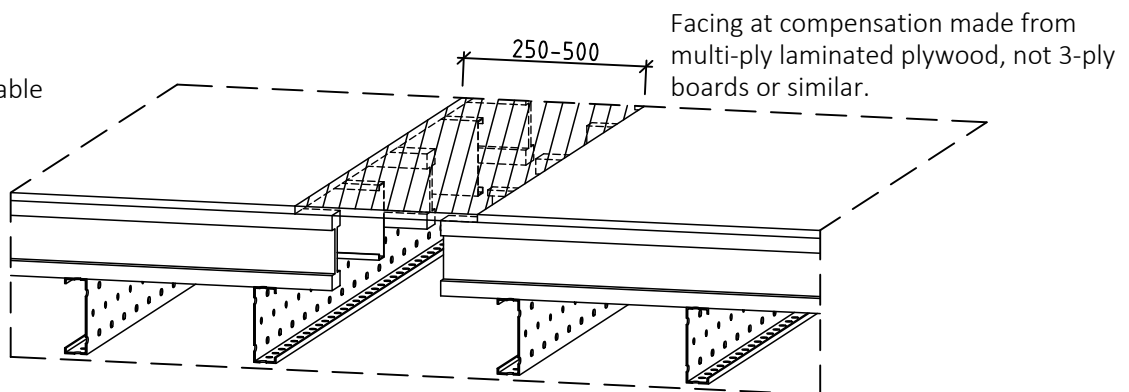
9.1 At a wall

In longitudinal direction place directly up to wall.



9.2 At a table

In longitudinal direction place table up to table.

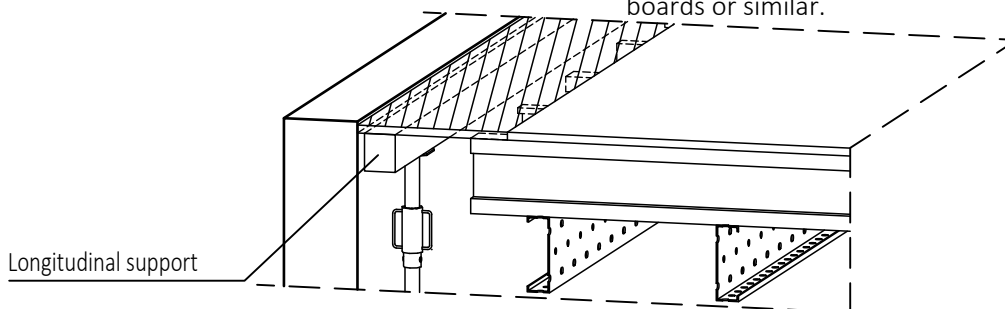


The crane suspension points on the sides allow the tables to be precisely set down by the crane.

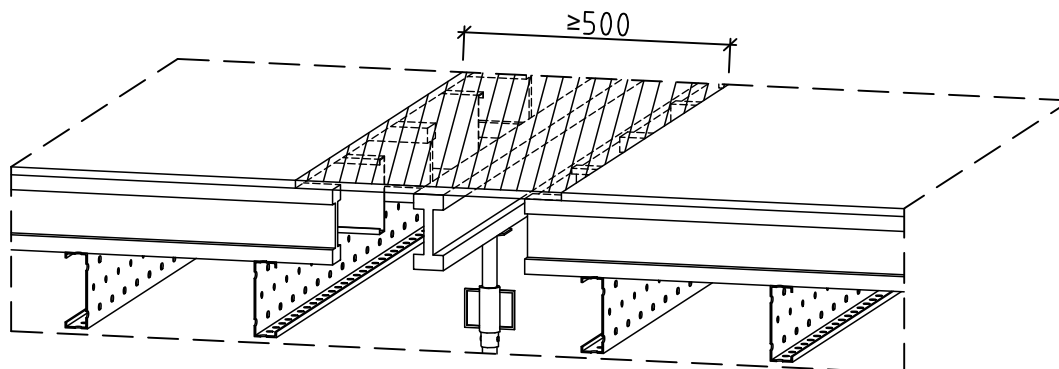
10 Residual widths

10.1 At a wall

Facing at compensation made from multi-ply laminated plywood, not 3-ply boards or similar.



10.2 Between 2 tables



Large stripping strips should have a middle support and be supported at back.

Assembly and Operating Manual

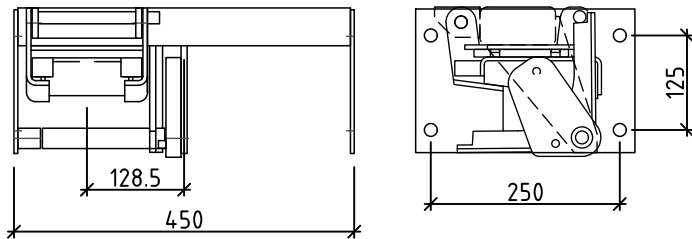
NOEtable swivelling head deck table



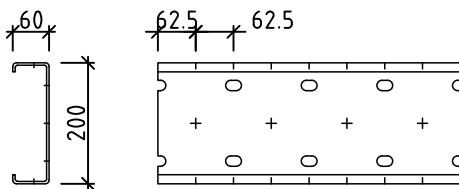
11. Individual parts

Swivelling head side

Part No. 699150
Weight 18.8 kg
Prop load max. 30 kN



Transverse support beam C20 S



Part No.	Length [mm]
744000	4000
745000	5000

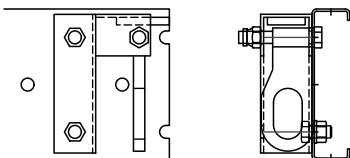
Crane suspension

Consisting of:

- 1 x crane hook support Part No. 350201
- 1 x crane hook Part No. 350200
- 1 x M16x100 (Part No. 314000)
- 1 x safety nut M16 Part No. 327000

For attaching:

- 2 x M16x30 Part No. 313200

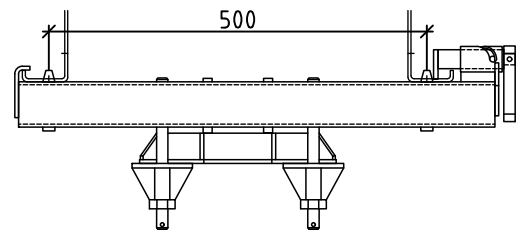


Also see Section 4.3.

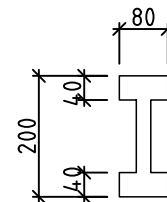
Fixing head for deck table

For clamping additional deck props to the edge table, prop load 30 kN.

Part No. 699200
Weight 16.1 kg



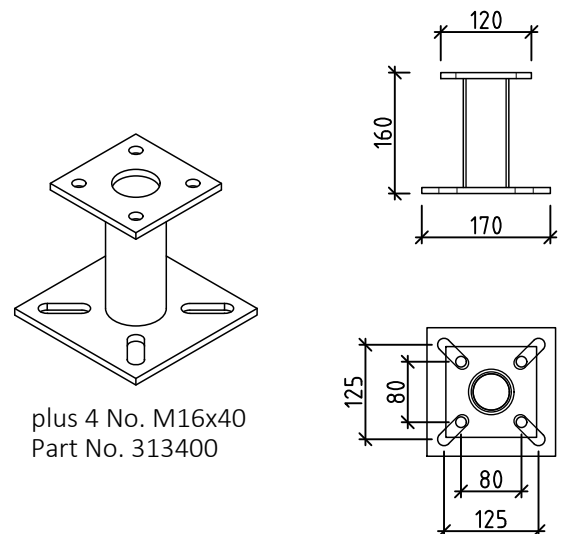
NOE H20 - timber beam Certificate No. Z-9.1-167



Part No.	Length [mm]	Weight [kg]
440200	2000	10,0
110250	2500	12,5

NOEtable adapter NOEprop/ADS

Part No. 699010
Weight 3.1 kg



plus 4 No. M16x40
Part No. 313400

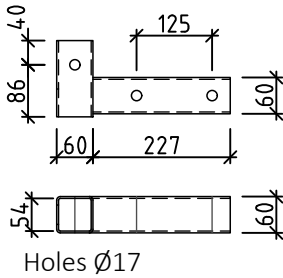
Assembly and Operating Manual

NOEtable swivelling head deck table



Guard rail tube holder for $d=48$ mm

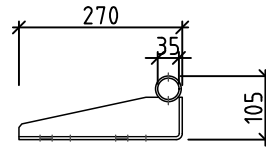
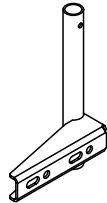
Part No. 111411
Weight 1.8 kg



plus 2 No. M16x100
Part No. 314000

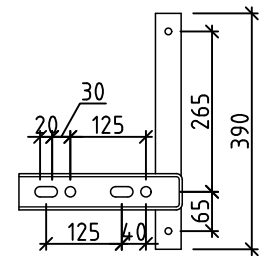
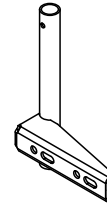
Guard rail tube holder, right

Part No. 111412
Weight 2.9 kg



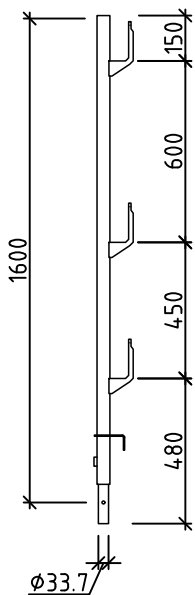
Guard rail tube holder, left

Part No. 111413
Weight 2.9 kg



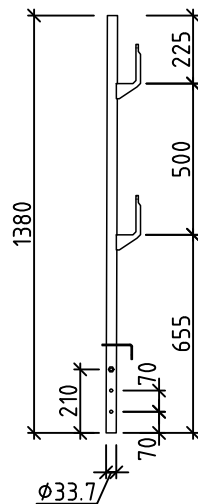
Guardrail post tube 1600 mm $d=33.7$ mm

Part No. 111401
Weight 8.2 kg



Guardrail post tube 1380 mm $d=33.7$ mm

Part No. 111403
Weight 5.0 kg



Secure guardrail post tubes with pin 9 mm, Part No. 890834

Assembly and Operating Manual

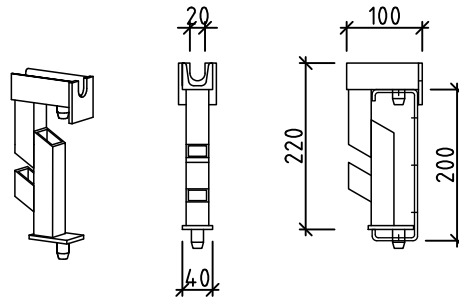
NOEtable swivelling head deck table



Decktable tie support

Part No. 922480

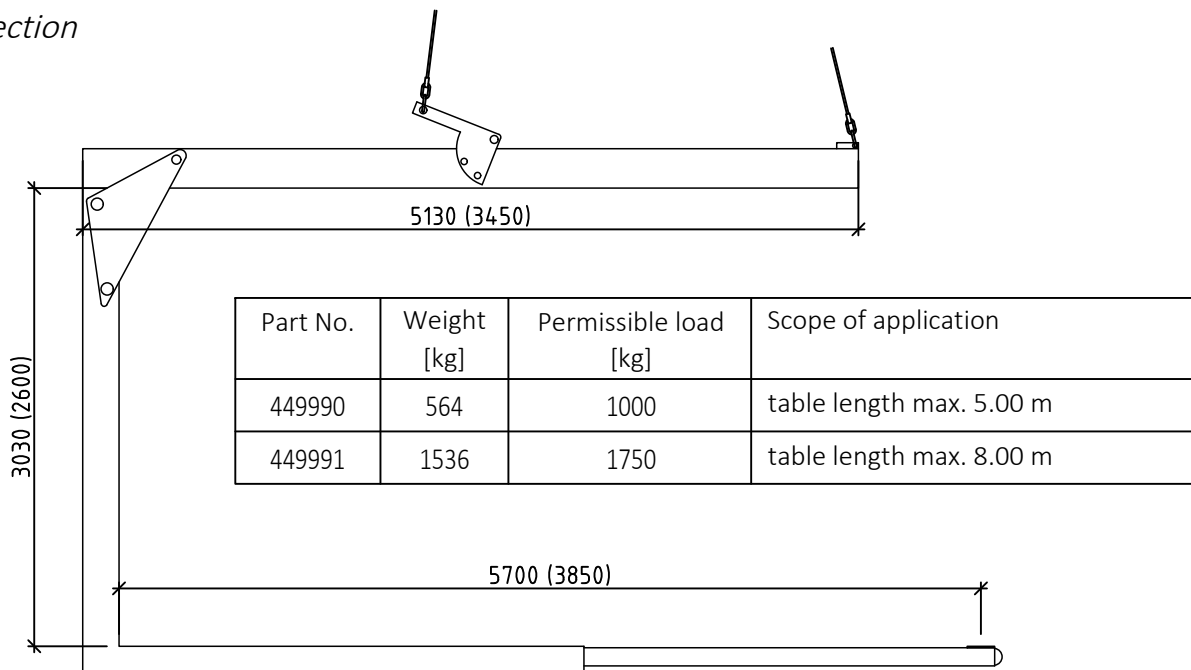
Weight 1.4 kg



Crane forks

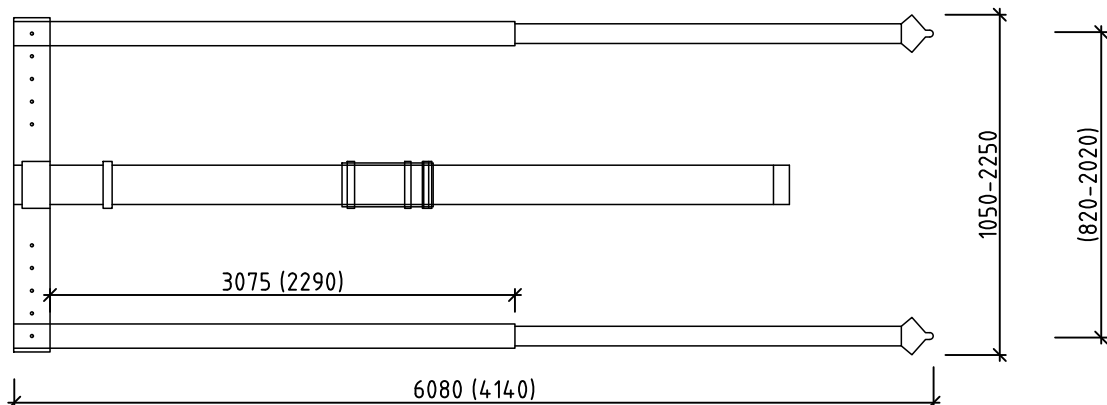
Use permitted only in accordance with the operating instructions !

section



plan view

Dimensions in brackets () for part no. 449990.



Assembly and Operating Manual

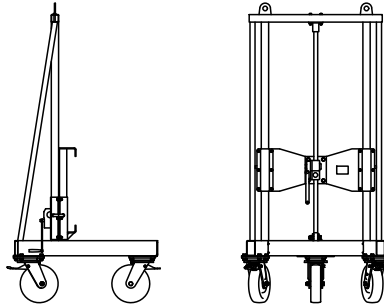
NOEtable swivelling head deck table



12 NOEtable Trolley and AR support units

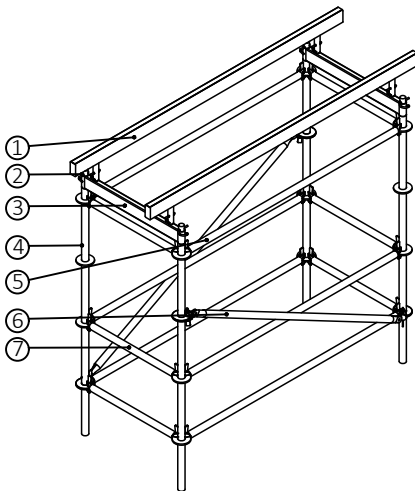
NOEtable trolley

Part No. 867120
 Weight 98 kg
 stroke 1150 mm
 max. perm. load 1000 kg



Parts for AR support units

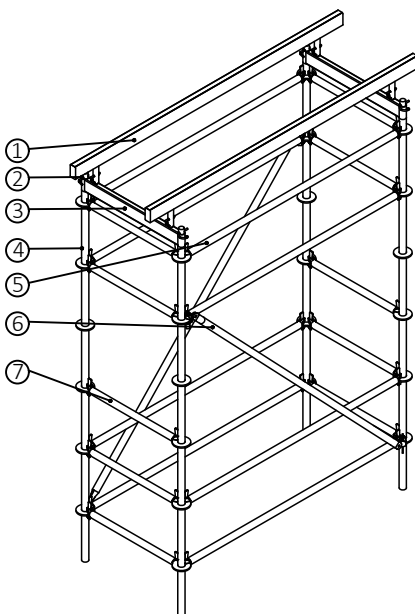
◆ Type 1



Item	Pc.	Description	Part. No.	Weight/pc. [kg]	total [kg]
1	2	NOEtable trolley long. Girder	867121	17,5	190
2	8	LG W200 plug 9 mm	890834	0,12	
3	2	NOEtable deck trolley cross-gir.	867122	6,7	
4	4	Handle 2,00 m	868003	10,6	
5	6	Bolt steel 2,07 m	868110	8,2	
6	2	Diagonal 2,20 m (section 2,07)	868218	10,5	
7	6	Bolt steel 0,90 m	868104	4,0	

Range of use with NOEtable trolley from clearheight 2.10 m to 3.75 m

◆ Type 2



Item	Pc.	Description	Part. No.	Weight/pc. [kg]	total [kg]
1	2	NOEtable trolley long. Girder	867121	17,5	245
2	8	LG W200 plug 9 mm	890834	0,12	
3	2	NOEtable deck trolley cross-gir.	867122	6,7	
4	4	Handle 3,00 m	868005	15,1	
5	8	Bolt steel 2,07 m	868110	8,2	
6	2	Diagonal 2,81 m (section 2,07)	868205	12,7	
7	10	Bolt steel 0,90 m	868104	4,0	

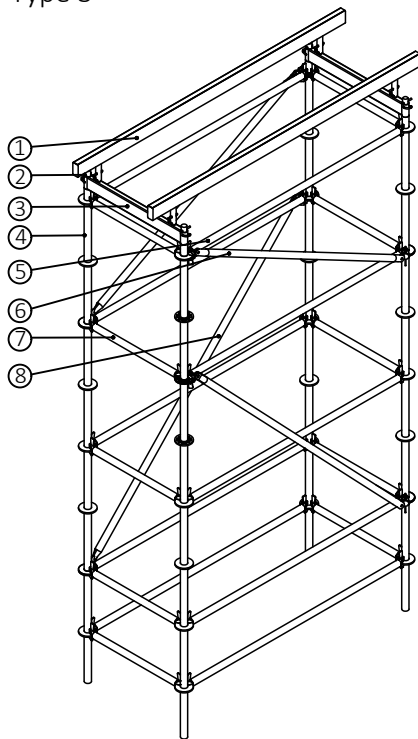
Range of use with NOEtable trolley from clearheight 3.70 m to 4.75 m

Assembly and Operating Manual

NOEtable swivelling head deck table



◆ Type 3



Item	Pc.	Description	Part. No.	Weight/ pc. [kg]	total [kg]
1	2	NOEtable trolley long. Girder	867121	17,5	300
2	8	LG W200 plug 9 mm	890834	0,12	
3	2	NOEtable deck trolley cross-gir.	867122	6,7	
4	4	Handle 4,00 m	868006	19,7	
5	10	Bolt steel 2,07 m	868110	8,2	
6	2	Diagonal 2,20 m (section 2,07)	868218	10,5	
7	10	Bolt steel 0,90 m	868104	4,0	
8	2	Diagonal 2,81 m (section 2,07)	868205	12,7	
Range of use with NOEtable trolley from clearheight 4.70 m to 5.75 m					



THE FORMWORK



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