



# Bridge construction with Quick

Implementing ideas together.  
Technology. Innovation. Quality.



  
**QUICK**  
BAUPRODUKTE



**Cap renovation or new construction**

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**Cap bolts (horizontal / vertical)**

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**Cap bolts on prefabricated elements**

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**Cap bolt elements**

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**Cap track**

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**Sheet pile wall head formwork**

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**Kerb formwork**

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**Steel composite bridge formwork**

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**Fall protection**

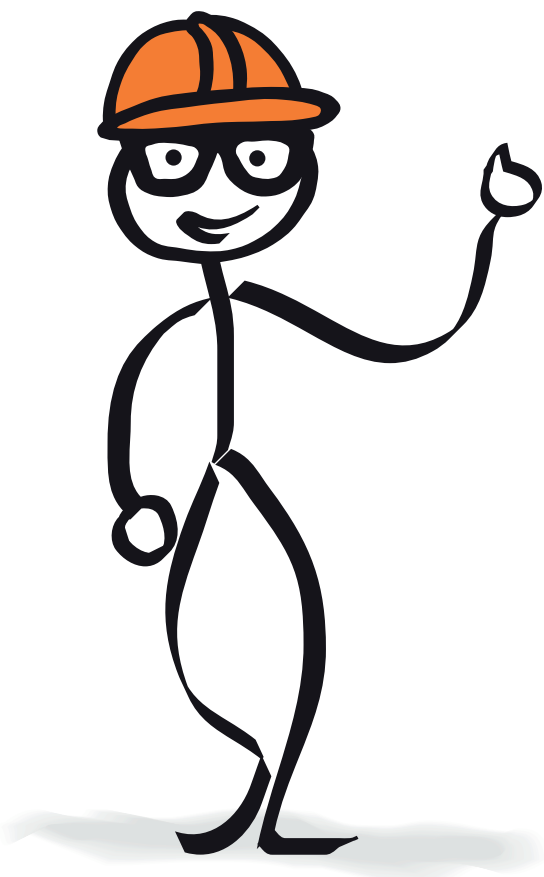
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**Assembly, working and inspection platforms**

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**Parts list**

# SYSTEMS FOR YOUR BRIDGE CONSTRUCTION PROJECTS



## Bridge construction with system

**Quick accompanies your project from „A-Z“.** We have made a name for ourselves as a manufacturer of construction accessories for the formwork and reinforcement accessories sector as well as support structure systems for the manufacture of bridge components.

From standard products to complex special constructions, we can do it all.

We let our many years of experience flow into your project. We supply the development, static calculations as well as the planning - all from one source. As a manufacturer, we are certified according to DIN 1090.

## Innovation. Technology. Quality.

The best technology can only be as good as the persons behind it. After more than **40 successful years**, Quick continues to set the course for the future.

We want to be close to our customers and grow as a team. We work to ensure that an idea becomes a practical solution and that everything is flawless right up to assembly. For your project. With advice and action and the best service.





Strong ideas. For more than 40 years.





## TESTED QUALITY WITH LETTER AND SEAL

Our patents work for you.  
Day after day.

### Quick building products turn tradition into the future.

We have been expanding our experience for more than 40 years. We know what matters and always have the optimum in mind. Research and development are an important success factor for us.

RRevolutionary developments show new ways. 75 utility model and patent applications can be attributed to us. Our reinforcement connection in the plastic box is still unique today, and in 1984,

we were the first in the world to bring asbestos-free fibre concrete onto the market. A great many products developed by us are successfully in use internationally every day.

All developments only have one goal: to optimally support your project from the idea to the implementation. Quick brings you forward with quality.







## SERVICES BY QUICK

- **Support in the submission phase**
- **Plan preparation**
- **Advice**
- **Development of special solutions**
- **Project supervision on the construction site**
- **Processing of logistic tasks**



Quick supports your construction project and offers you innovative products of the best quality. We are your partner for formwork and reinforcement accessories as well as bridge formwork and scaffolding.

In addition to customer proximity, innovation and quality are our top priorities. It is not for nothing that we are the most creative company in the sector. We have all possibilities for implementing special solutions. Starting with the idea carrier, through the technical office up to manufacturing in our own production.

**If you wish to know more about us, please contact us or visit our homepage.**

**We are already looking forward to getting to know you.**



Contact us!



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www.quick-bauprodukte.de



You want the full programme?

## QUICK-Programme



We look forward to cooperate!

# THE MODULAR SYSTEM

## 3 good reasons for the Quick bridge construction equipment

- **Tailor-made for your use**

The Quick bridge construction equipment is individually assembled and statically dimensioned for your construction project. This ensures that the highest standards of economy, safety and handling are met.

- **Slim design**

Tailor-made solutions enable us to optimally design all individual components. This keeps the individual elements easy to handle, allowing simple, fast and cost-effective assembly.

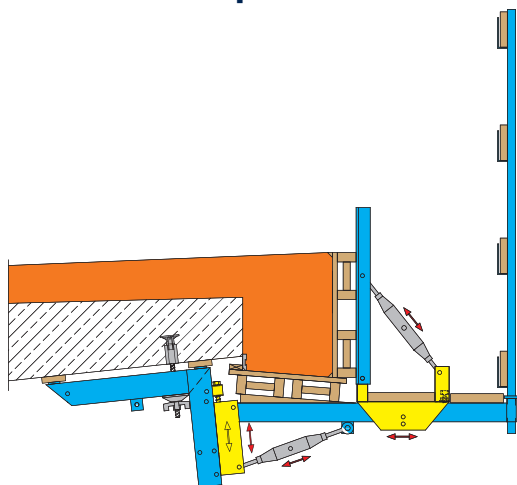
- **Modular system**

The Quick bridge construction system has a modular design. This means that existing elements can be replaced and extended in order to fulfil other functions or tasks.

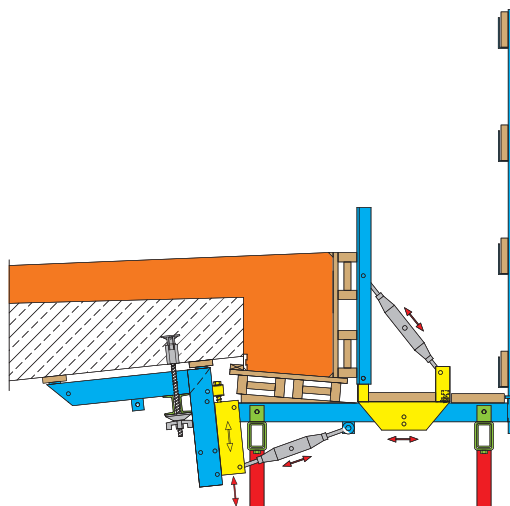


## The variable modular system

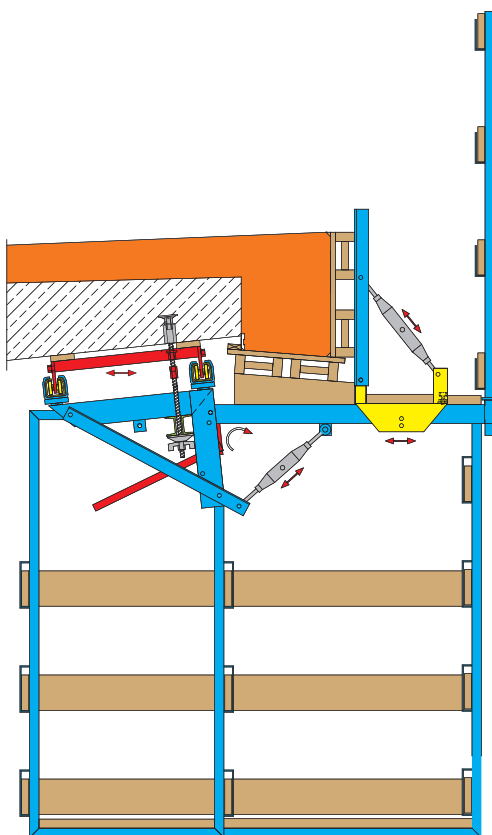
### Versatile components



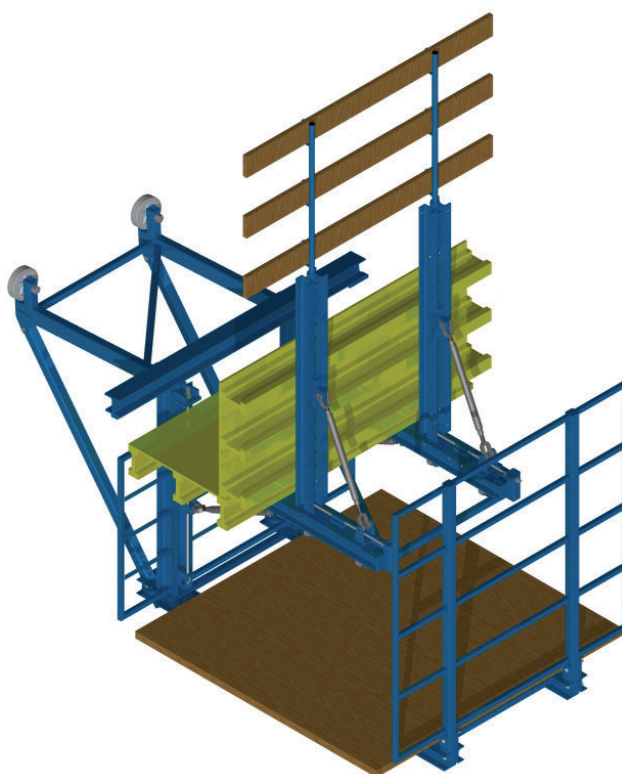
Single bolt



Cap element



Cap track

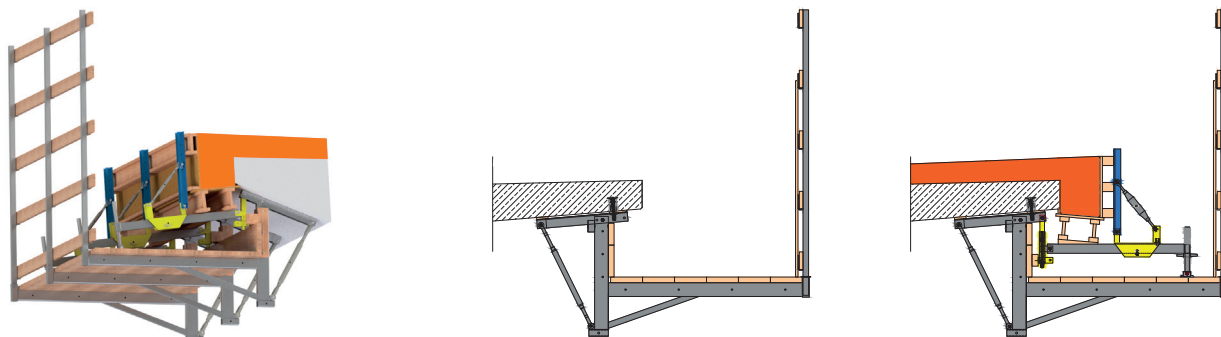


Cap track Express

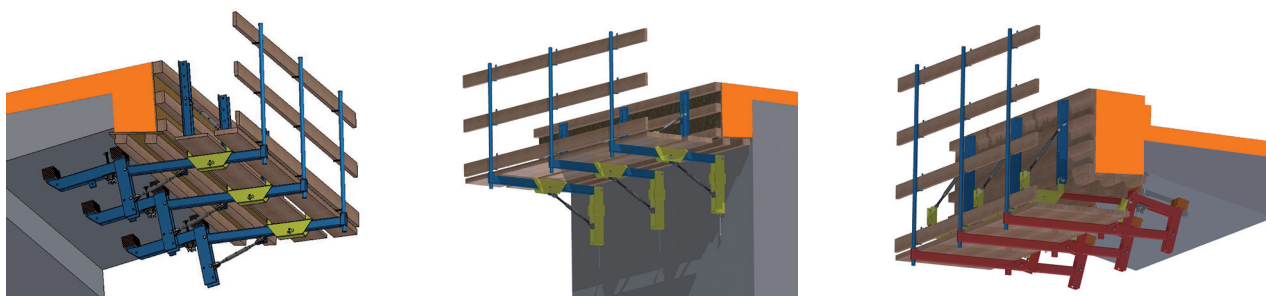
Always the appropriate solution for your bridge!

# SCOPE OF SERVICES BY QUICK BRIDGE CONSTRUCTION SYSTEMS

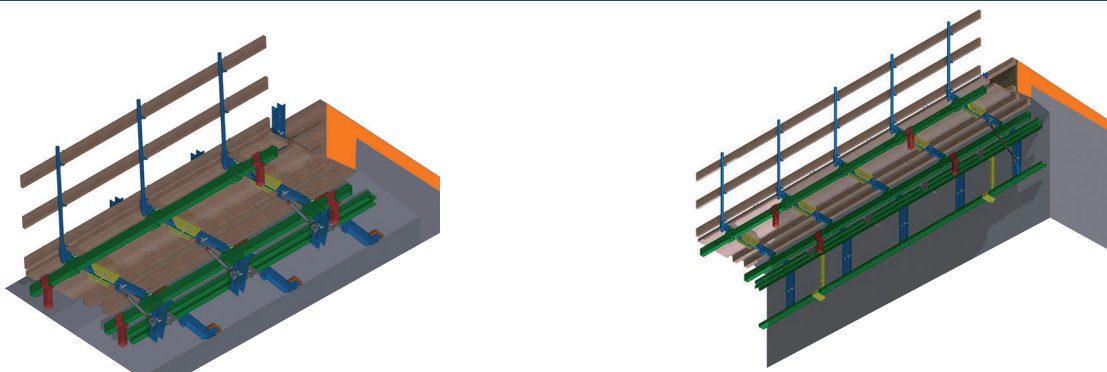
## Cap renovation and new construction (page 18 - 23)



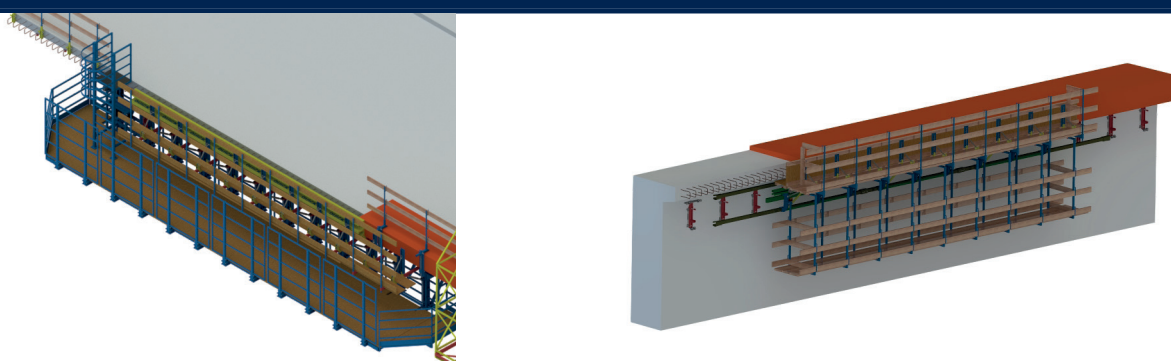
## Cap support structures (page 24 - 33)



## Cap element formwork (page 34 - 39)

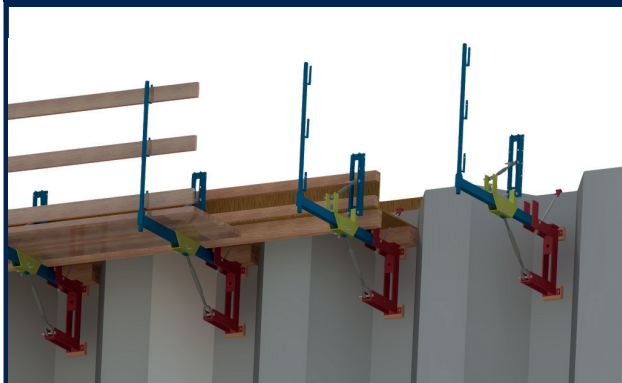


## Cap formwork carriage (page 40 - 61)

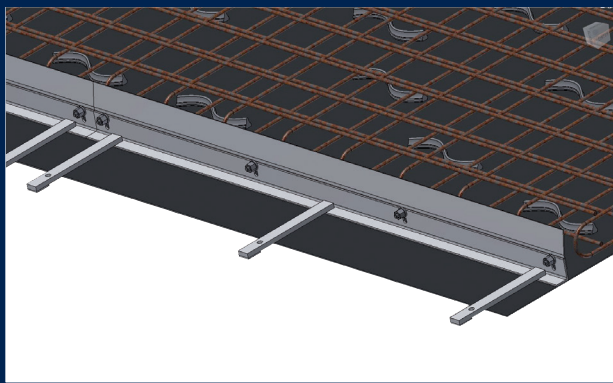


# EVERYTHING AT A GLANCE

## Sheet pile wall (page 64 - 67)



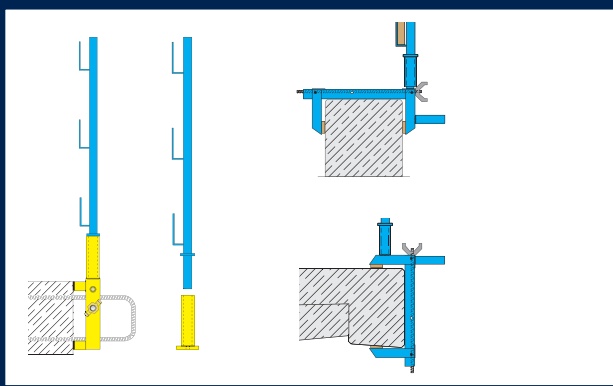
## Kerb framework (p. 68 - 69)



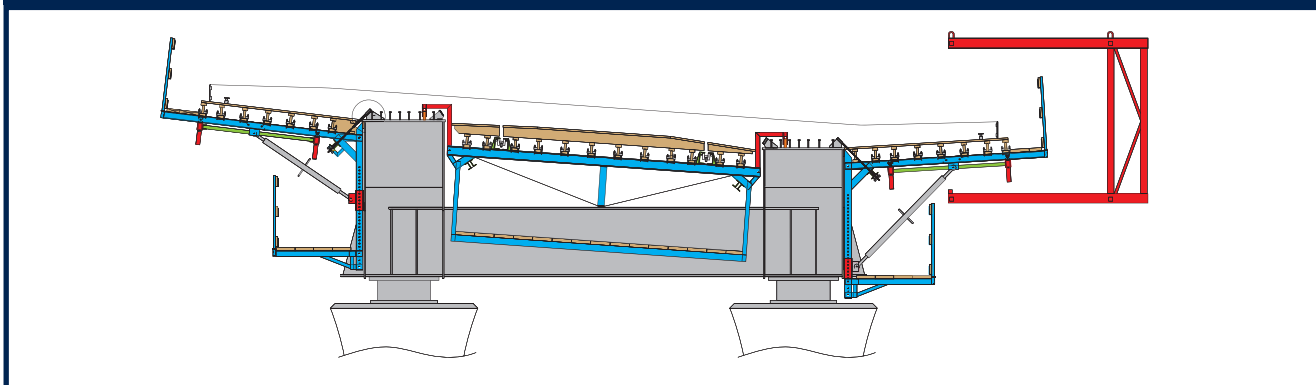
## Railway bridge WIB (page 70 - 75)



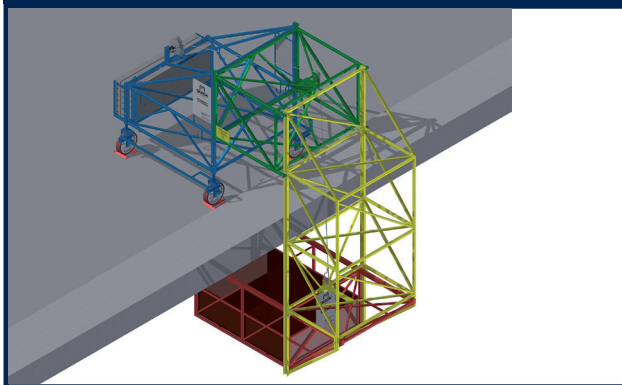
## Fall protection (page 84 - 87)



## Steel composite bridge (page 76 - 81)



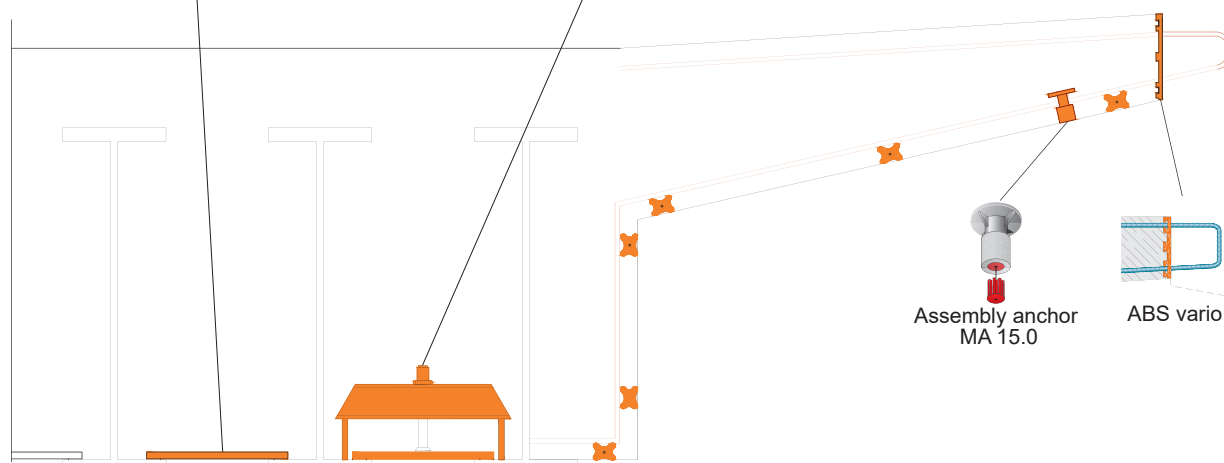
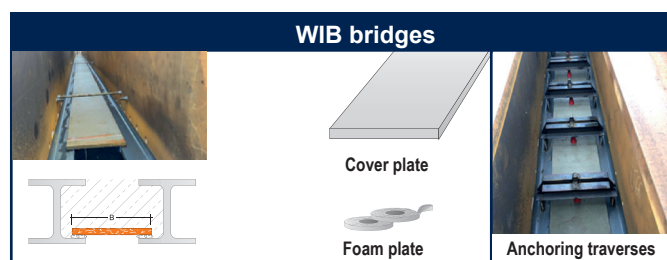
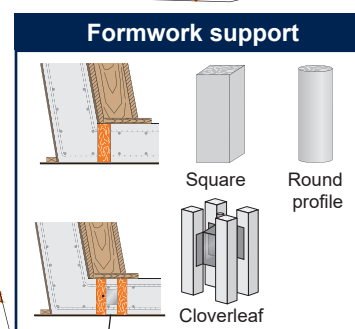
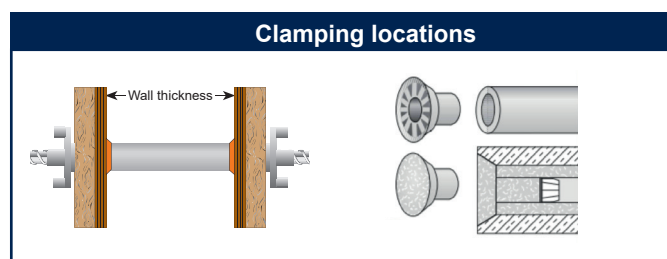
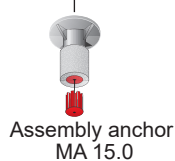
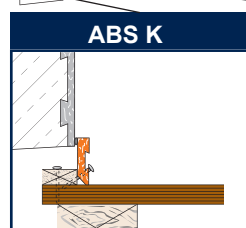
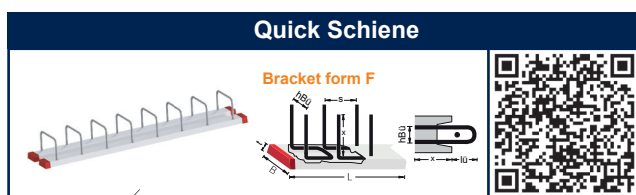
## Working platform (page 88 - 109)



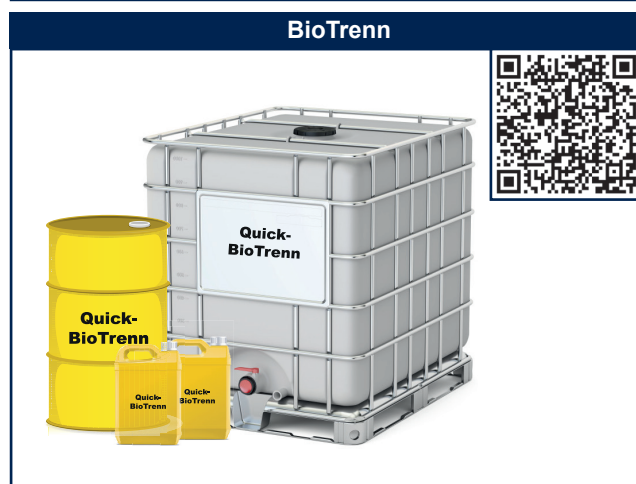
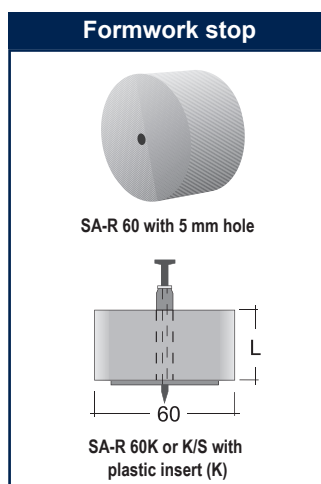
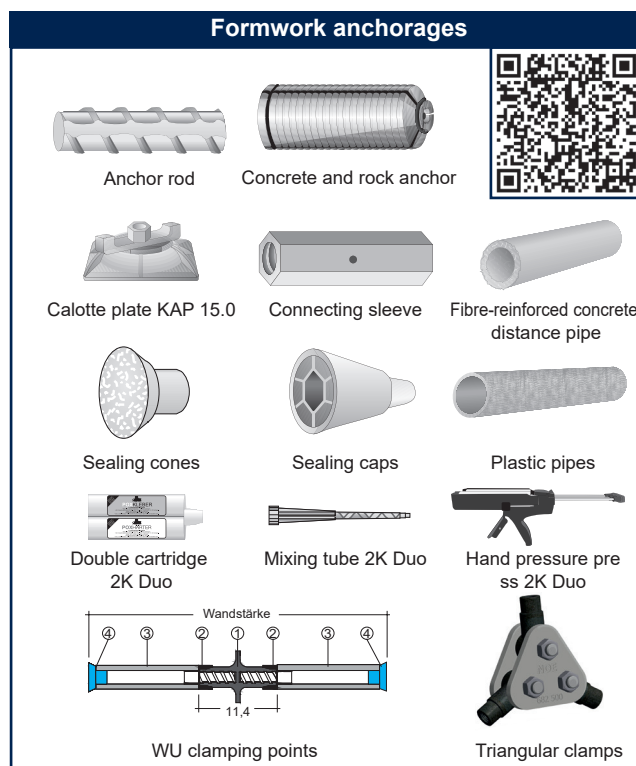
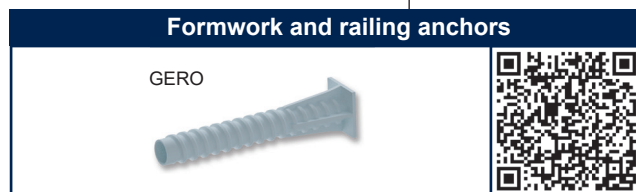
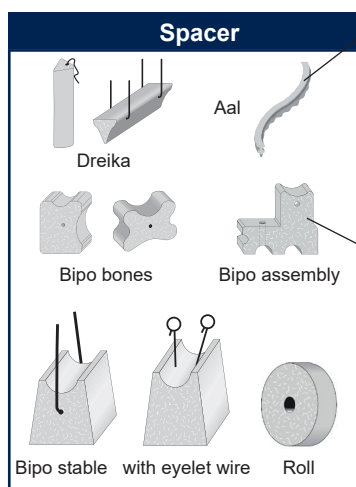
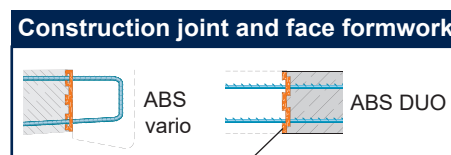
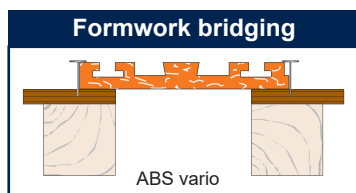
## Special platforms (page 110 - 116)



# COMPONENTS FOR YOUR BRIDGE CONSTRUCTION PROJECT

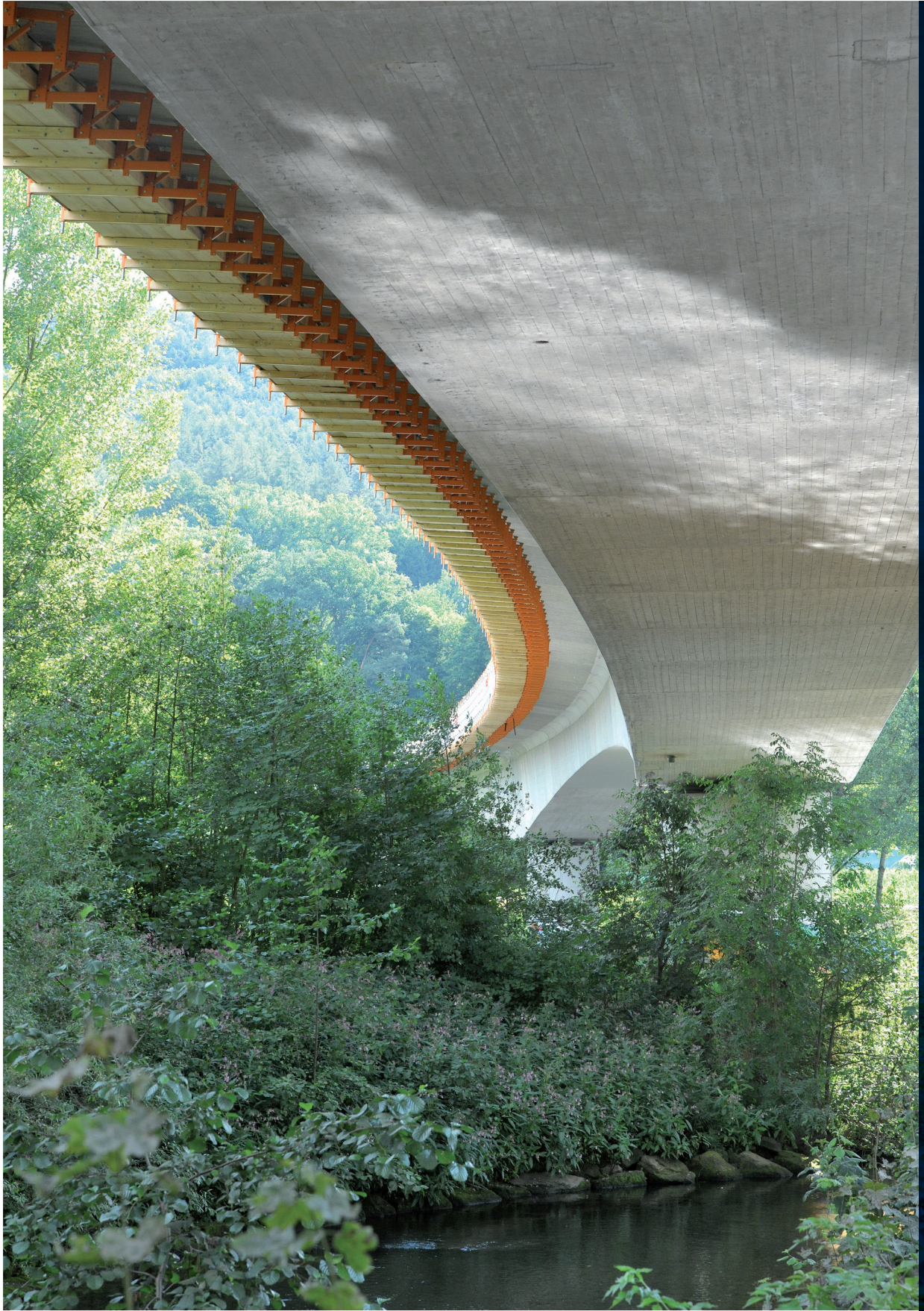








# CAP BOLT





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# CAP RENOVATION OR NEW CONSTRUCTION

## System Safe

### Cap renovation systems / Safe system

- Working and protective scaffolding for demolition of the old cap
- For the formwork of the new cap
- Usable in new construction and renovation work
- Suitable for particularly large cap cross-sections
- Components can be combined with conventional Quick components
- Fast, efficient and safe
- Cost-effective

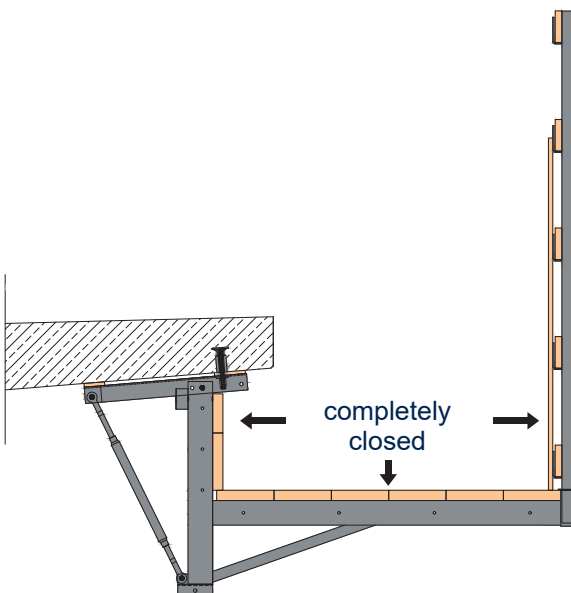


### Advantages

- lightweight components
- fast assembly
- Fully protected working area - safe working above flowing traffic
- Cap formwork adjustable in height, width and inclination

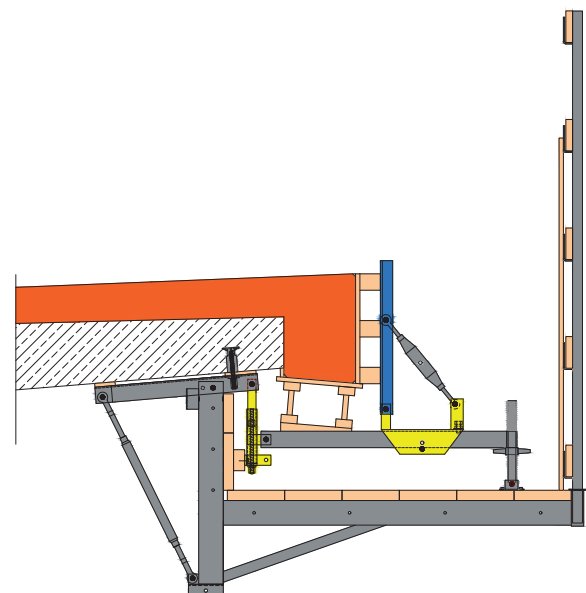
# System Safe

For example, in new buildings:



## Cap bolt Safe, step 1

The safest protective scaffolding -  
absolute safety above moving traffic



## Cap bolt Safe, step 2

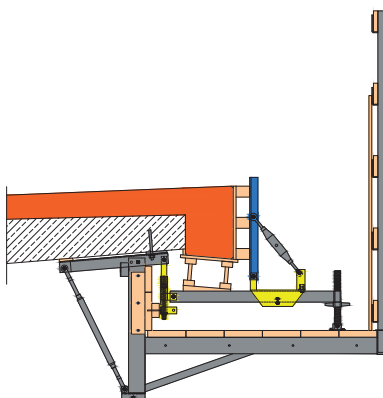
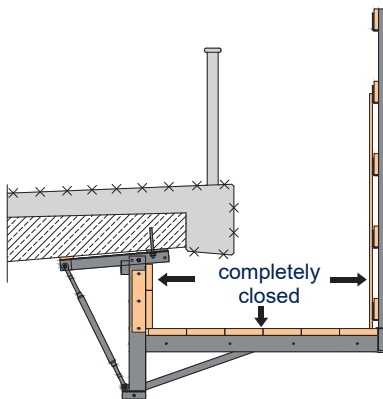
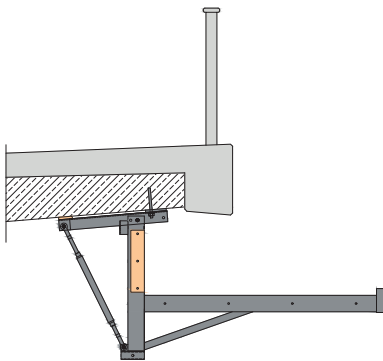
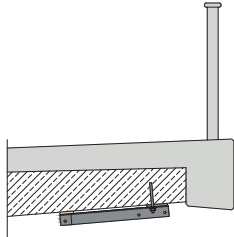
The safest system!

# CAP RENOVATION OR NEW CONSTRUCTION

## System Safe

### Example:

Example: Assembly process during bridge renovations



### Cap bolt Safe

easy – fast – versatile – safe

#### 1. Anchoring to the building structure

Assembly of the bracket on the building structure. Adjustment range +/- 30 mm  
With an on-site adhesive anchor system in pursuance with the static specifications

#### 2. Assembly of the cantilever bracket

The cantilever bracket is mounted horizontally. Compensation occurs via the rear spindle.

#### 3. Installation of the baluster, the floor covering and the side boarding

**Advantage:** completely closed system

Step 1: Demolition of the cap

#### 4. Installation of the cap formwork

**Advantage:** The system remains completely closed.

Step 2: Concreting of the new cap

Optimal adjustment to different cap cross sections

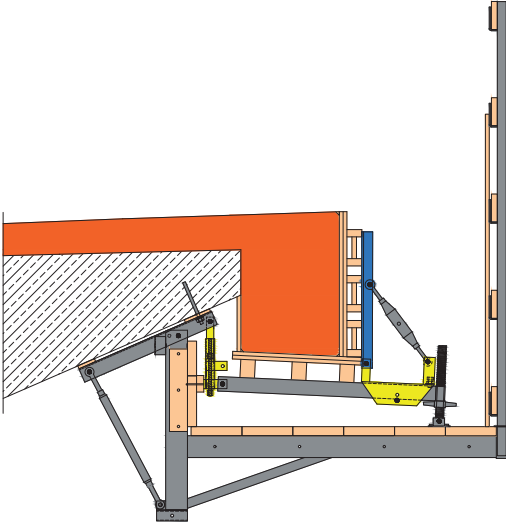


Instructions for assembly and use



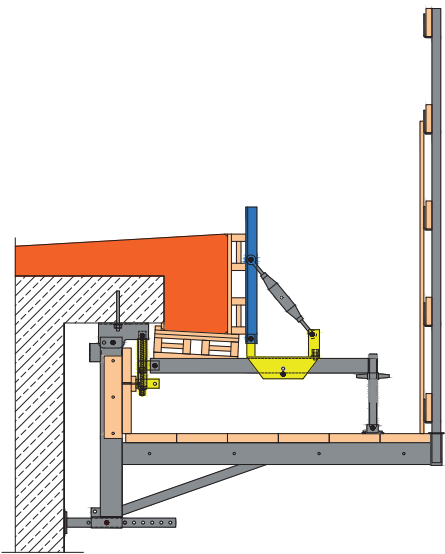
## Cap bolt Safe

Versatile application possibilities in renovation and new construction



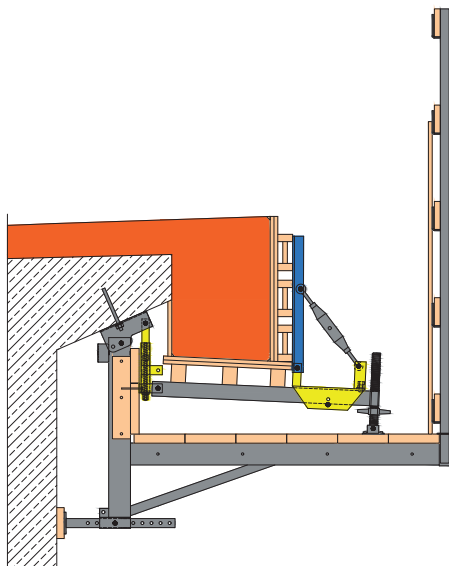
### Example:

Large cap cross section, inclined superstructure cantilever arm



### Example:

Small cantilever, „Small cap“



### Example:

„Large cap“

# CAP RENOVATION OR NEW CONSTRUCTION

## System Safe

### The proven system



Even over busy motorways, the Safe system guarantees absolutely safe working.





## System Safe



**During the renovation of building structures over rivers, the environment remains protected by the Safe system in every construction phase.**



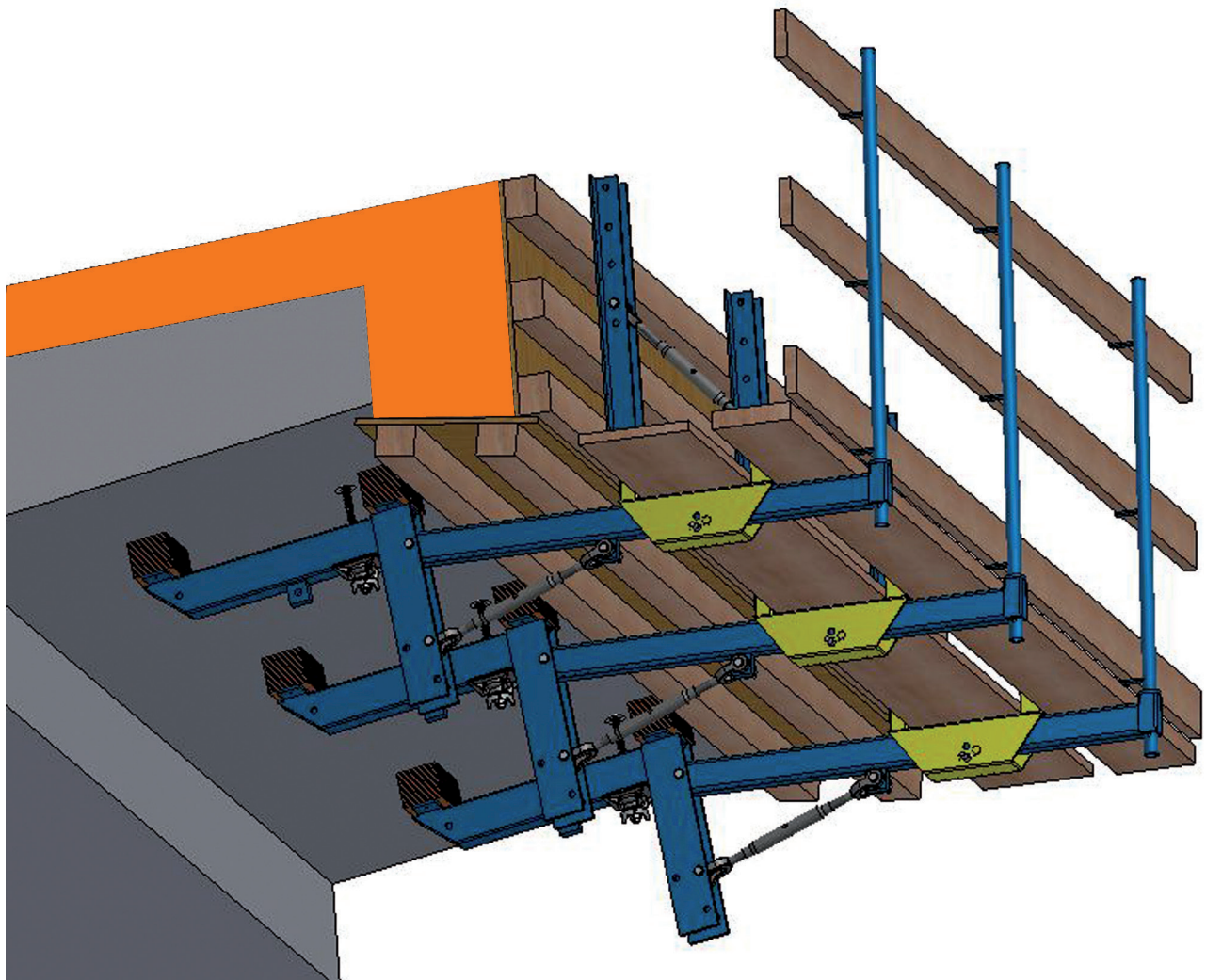


# CAP BOLT (single bolt)

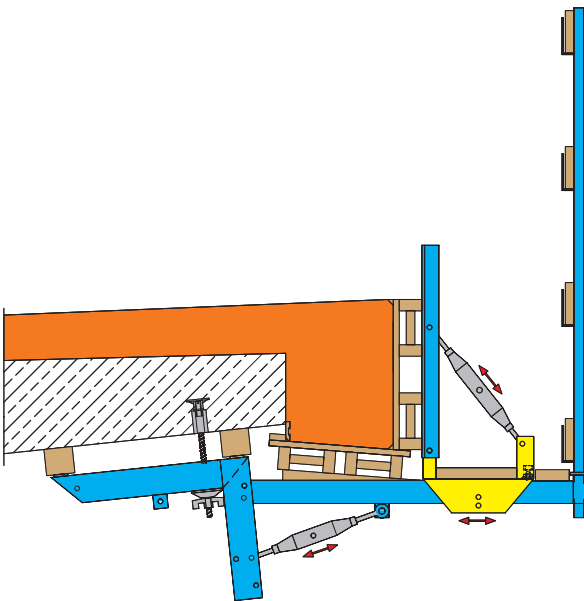
## Cap bolt, horizontal

### Cap formwork / horizontal

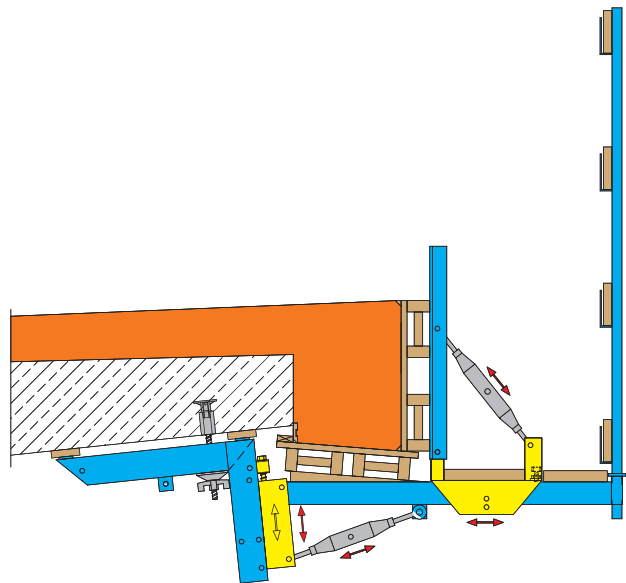
- Conventional cap formwork
- Cap bolt type 99 with height adjustment



## Cap bolt, horizontal



**Cap bolt type 85**  
Standard version



**Cap bolt type 99**  
with height adjustment,  
for height adjustment  $\pm 5$  cm  
Adjustment range up to 10 cm

**Height adjustment**  
simple compensation of height level fluctuations on the existing building structure

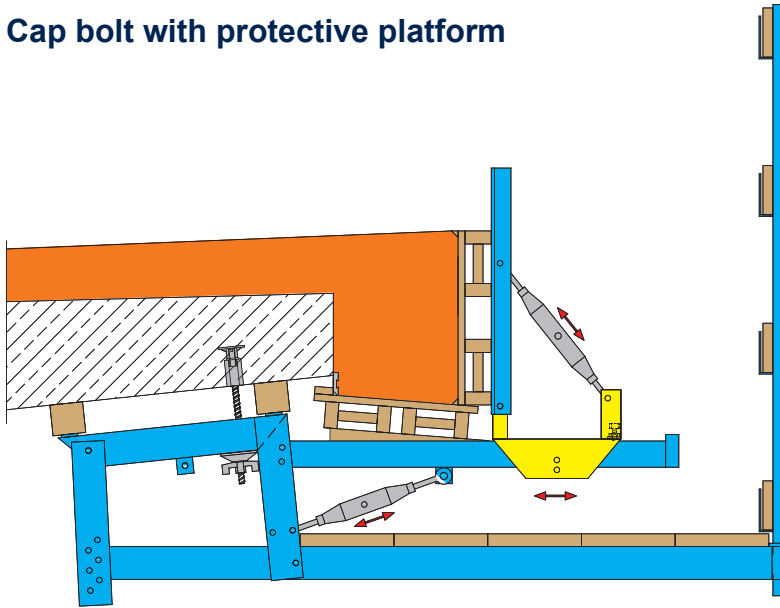


# CAP BOLT (single bolt)

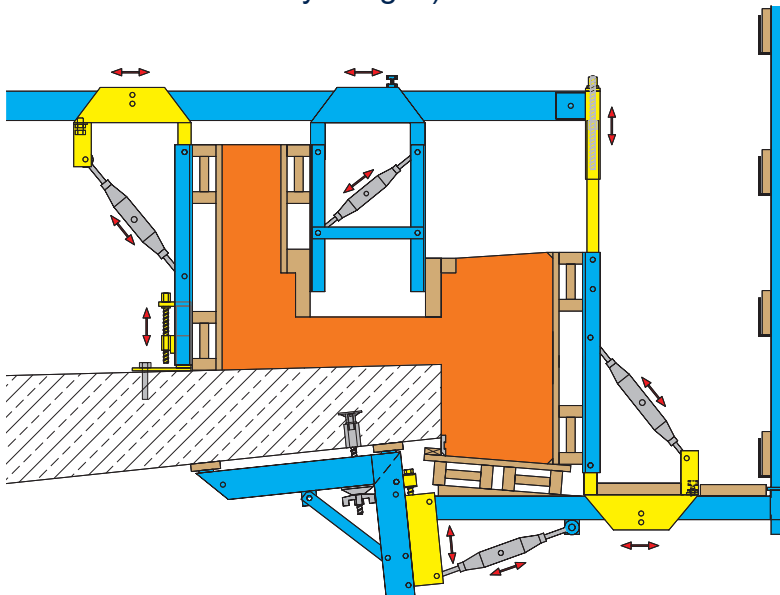
## Cap bolt, horizontal

### Application examples

#### Cap bolt with protective platform



#### Cap and trough formwork (with supply channel and ballast wall for railway bridges)

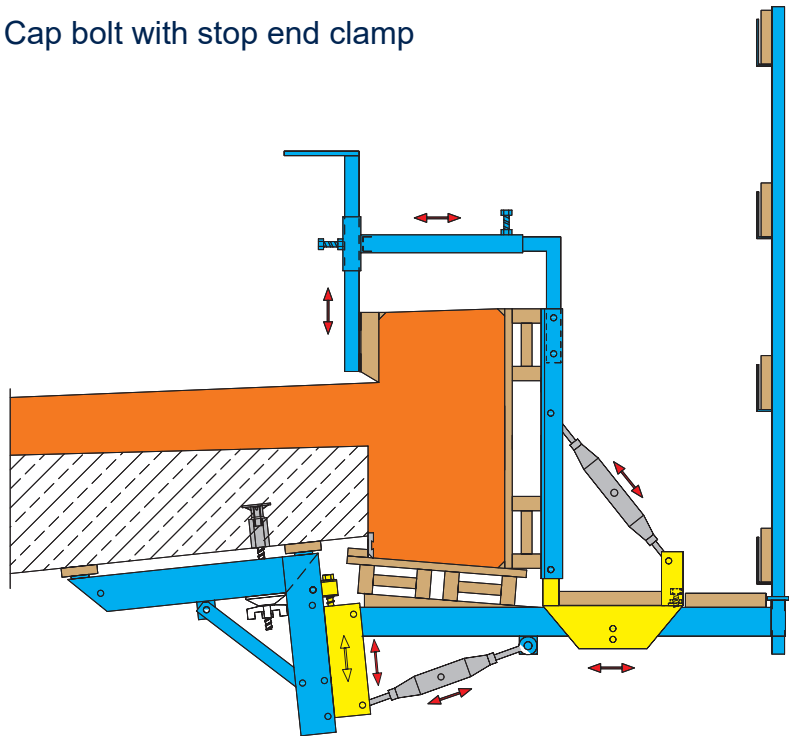




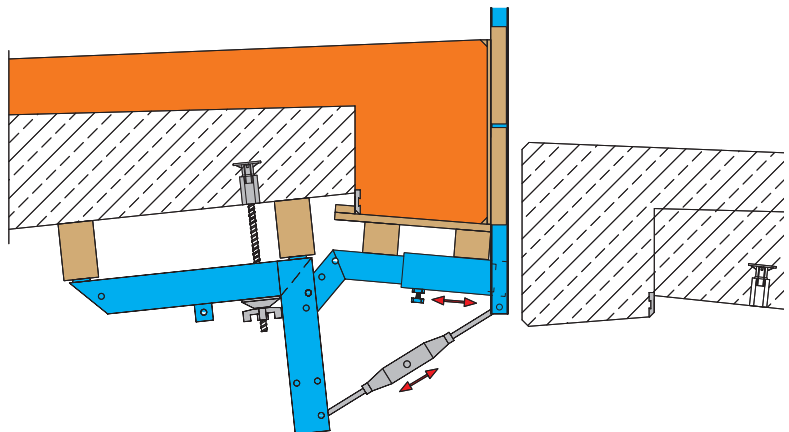
## Cap bolt, horizontal



Cap bolt with stop end clamp



Cap bolt M  
with telescopic cantilever arm M

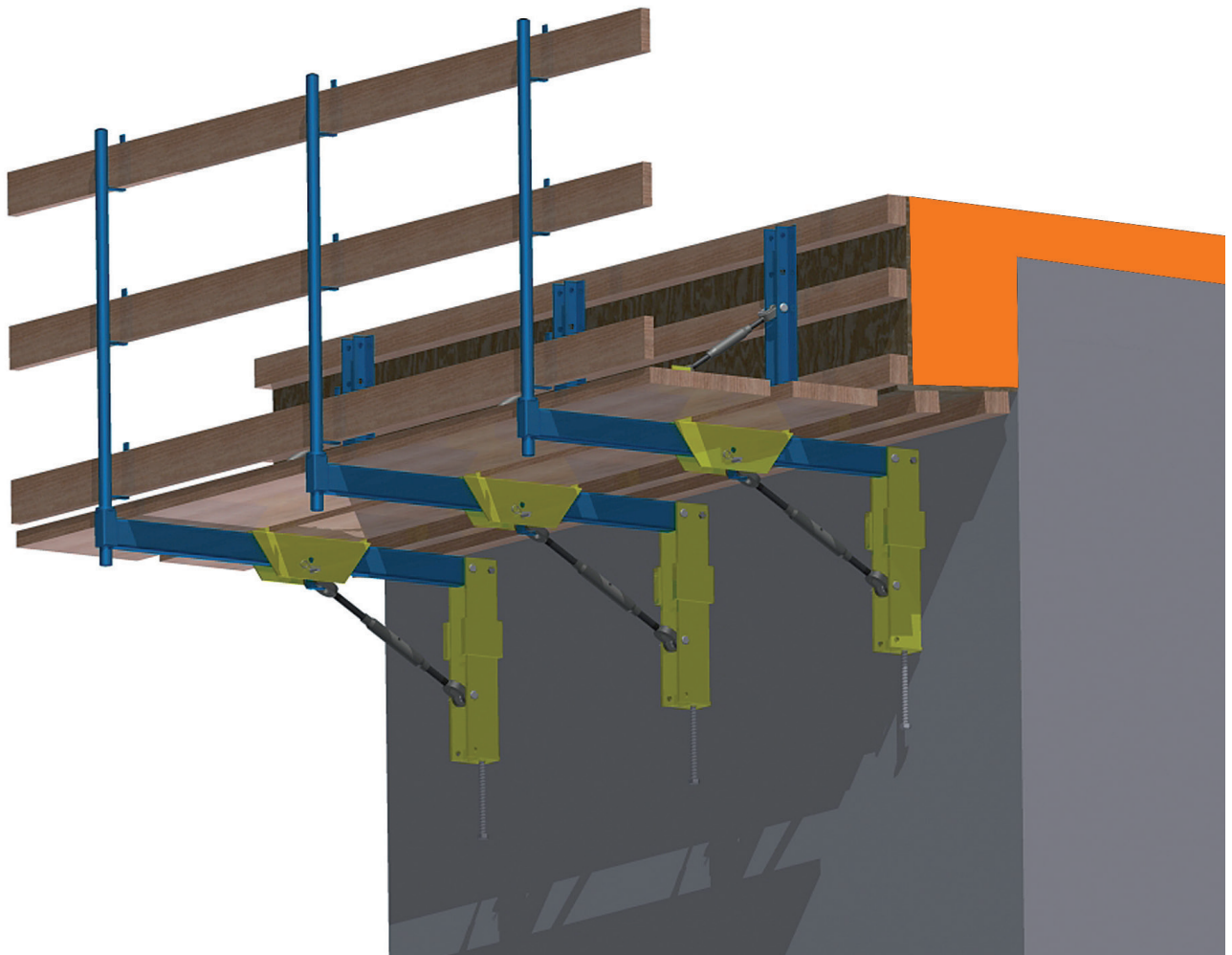


# CAP BOLT (single bolt)

## Cap bolt, vertical

### Cap formwork / vertical

- Cap bolt type 85 Standard version
- Cap bolt type 99 with height adjustment

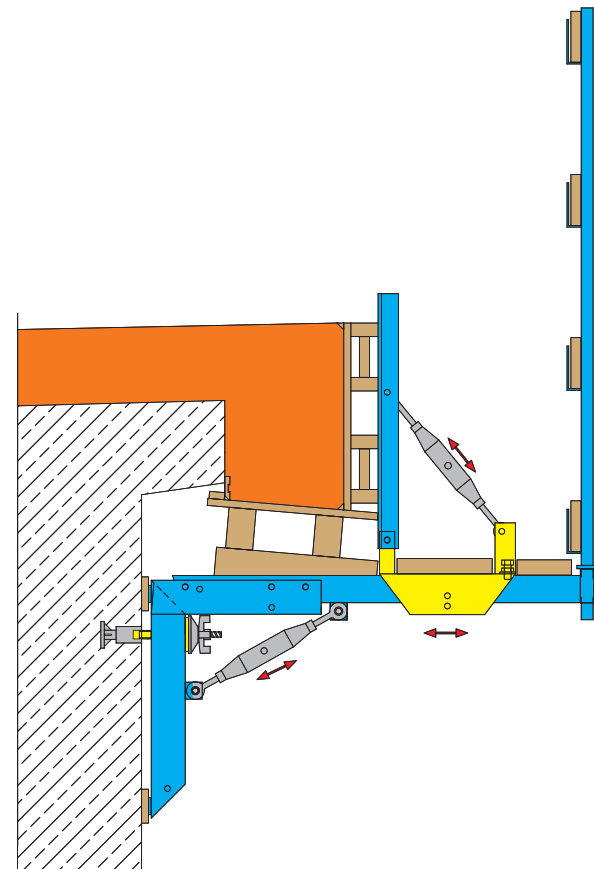


## Cap bolt, vertical

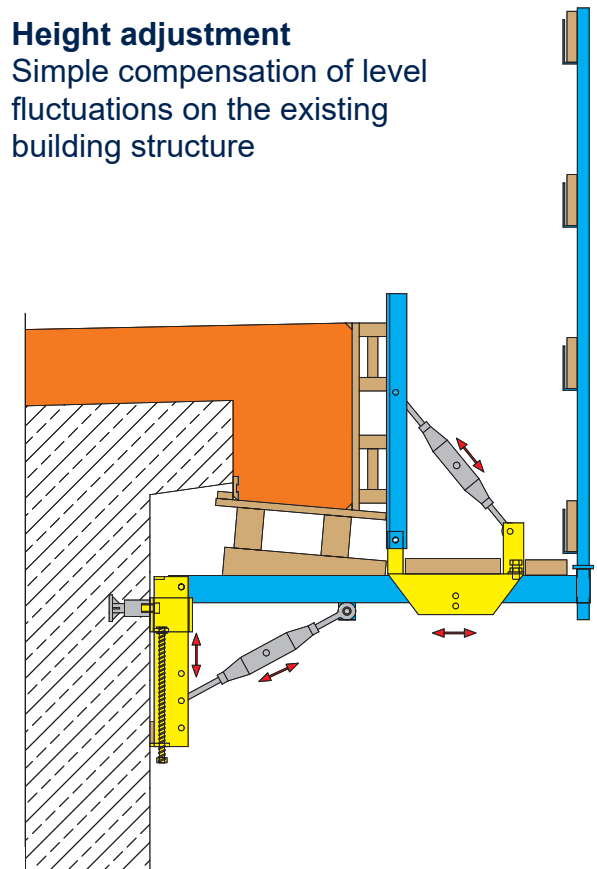


### Height adjustment

Simple compensation of level fluctuations on the existing building structure



**Cap bolt type 85**  
Standard version



**Cap bolt type 99**  
with height adjustment,  
for height adjustment  $\pm 10$  cm  
Adjustment range up to 15 cm

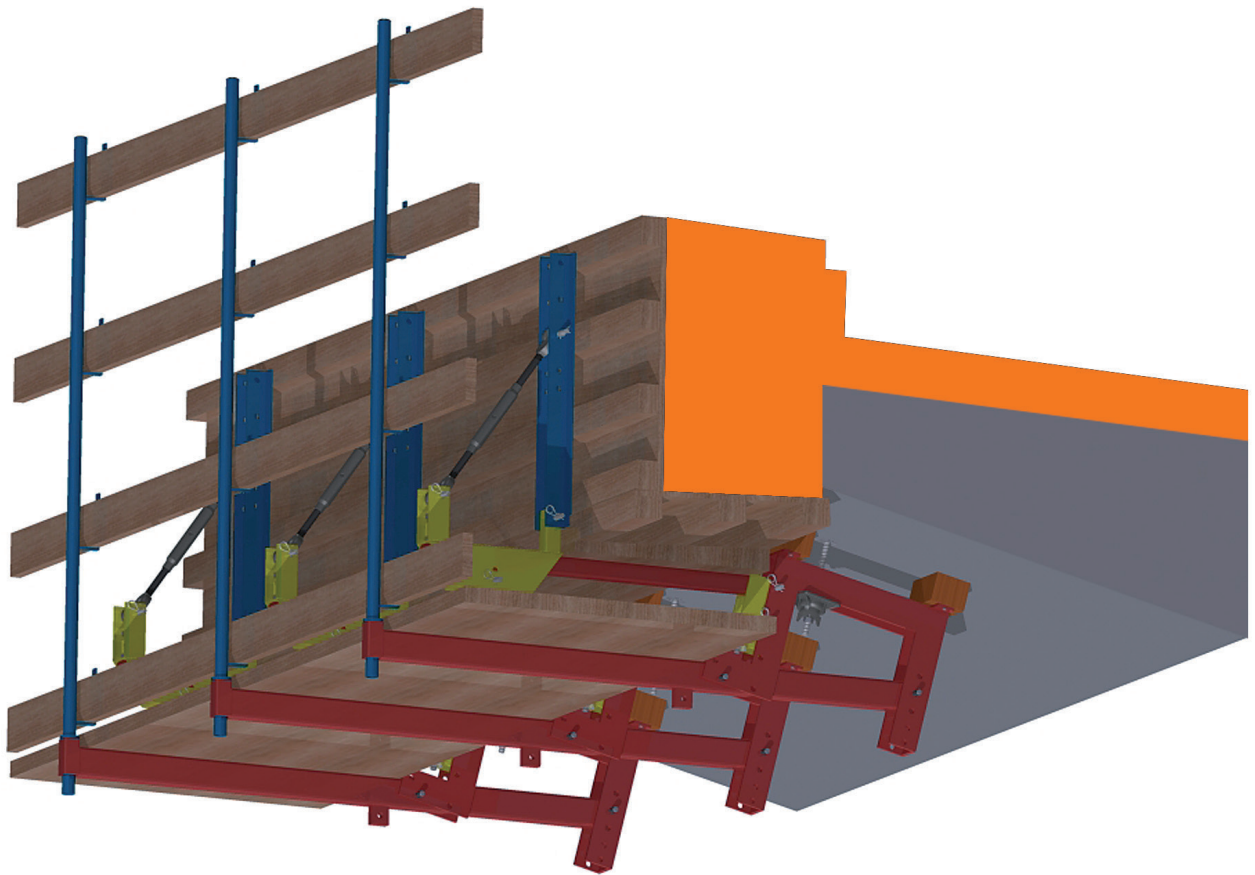


# CAP BOLT (single bolt)

## Cap bolt SF

### Cap formwork / cap bolt SF

- Assembly already possible in the prefabrication plant
- can be used as a protective platform
- can also be used in the case of short cantilever arms
- Lightweight, compact and fast assembly

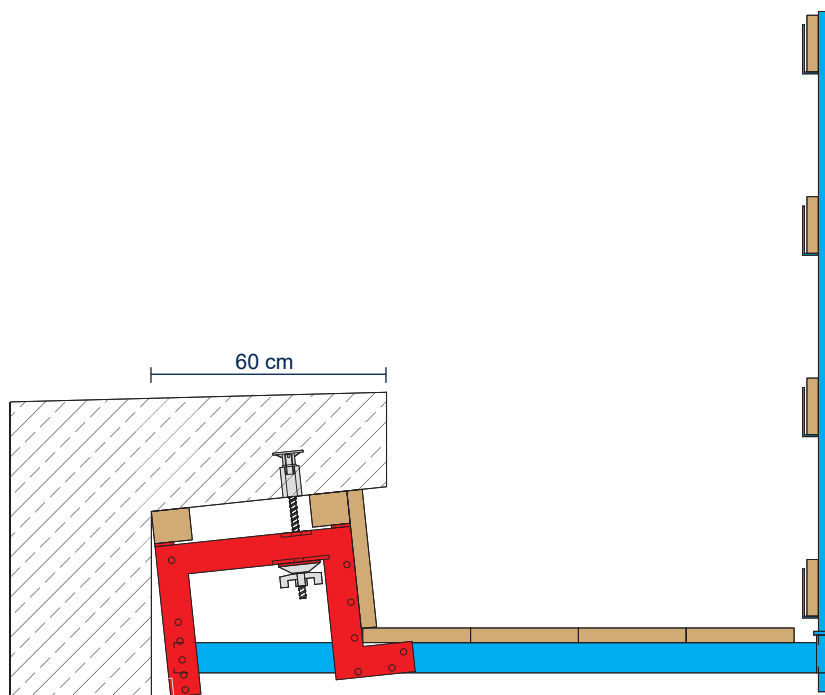


## Cap bolt SF



Cap bolt SF / transport to the construction site

For transport, the cantilever arm is folded upwards. Balusters are first inserted on the construction site and then the planking is laid on. The width of the cantilever arm is at least about 60 cm.



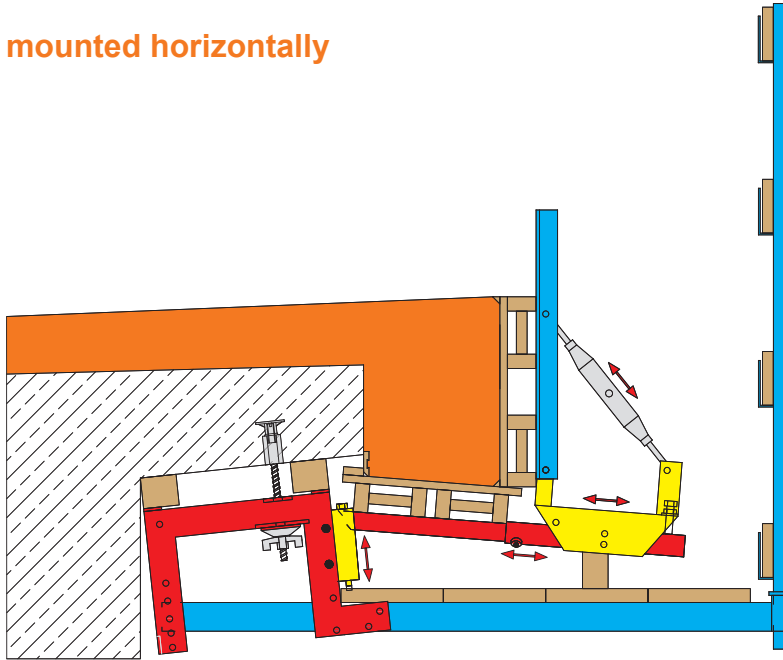
Cap bolt SF as protective platform



# CAP BOLT (single bolt)

## Cap bolt SF – universal use

mounted horizontally



**Cap bolt SF**  
as cap formwork on the superstructure (here with height adjustment, adjustment range up to 10 cm)



Cap bolt SF / easy assembly on the construction site

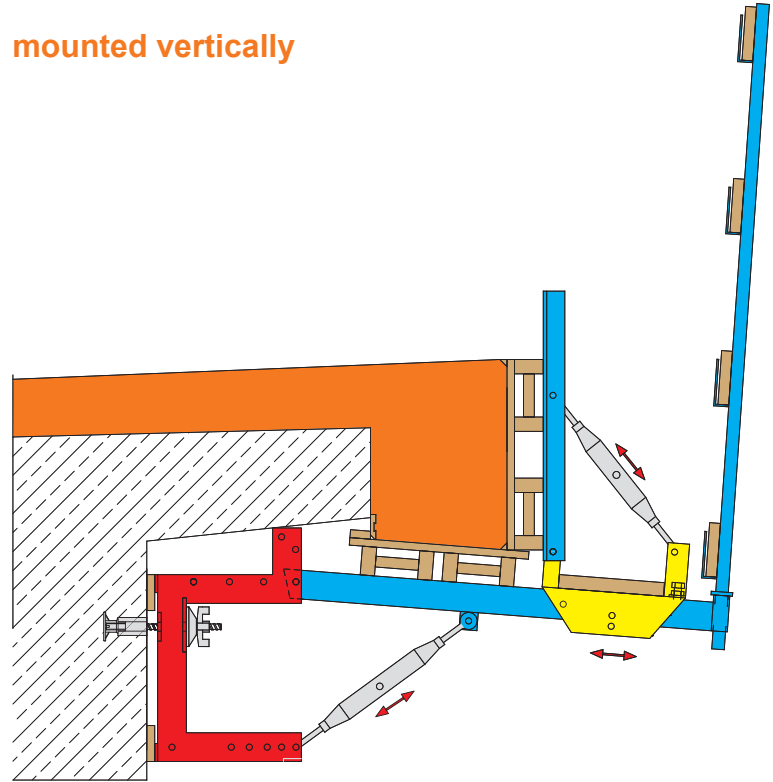




## Cap bolt SF – universal use



mounted vertically



**Cap bolt SF**  
as cap formwork on abutments and support walls

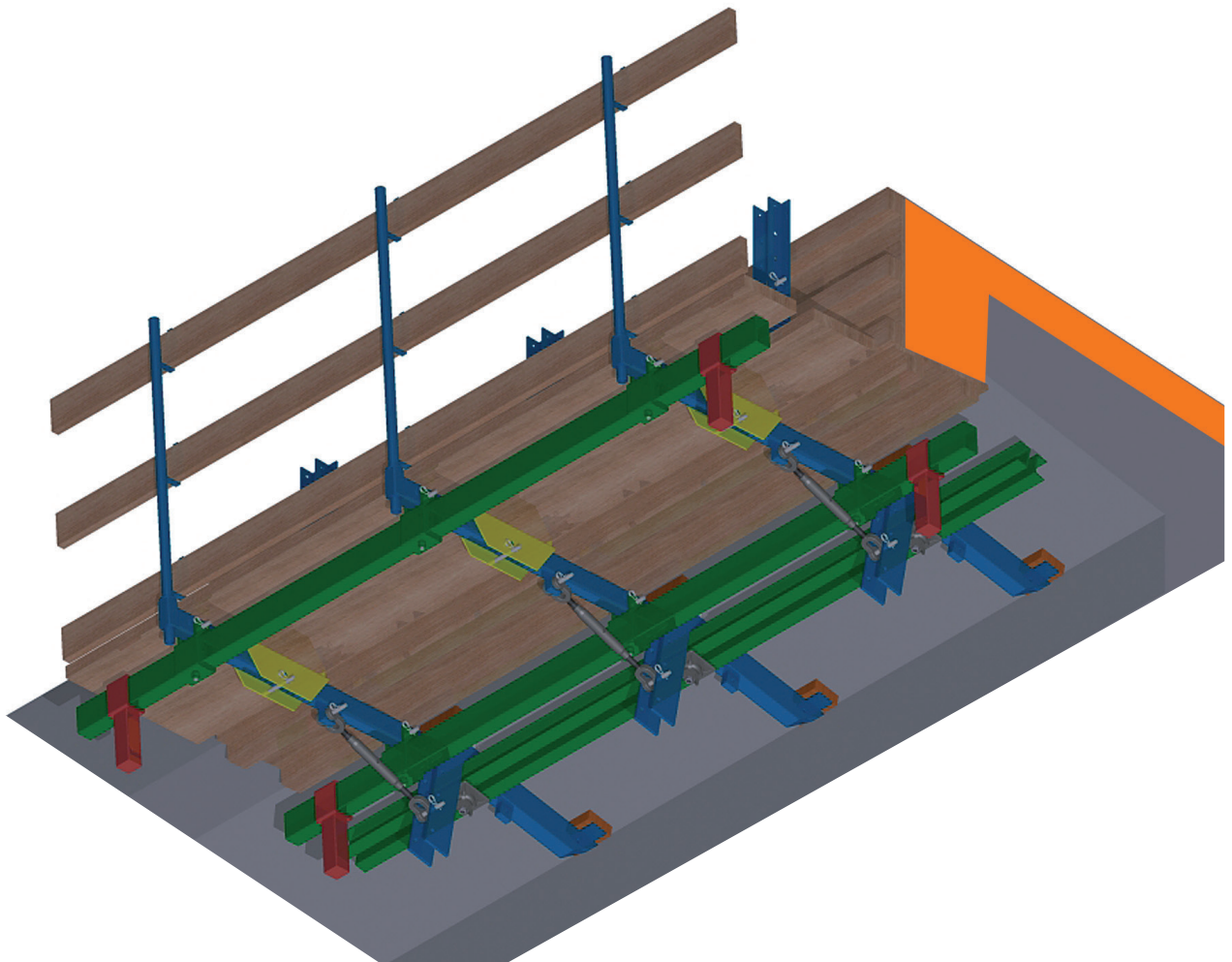


Cap bolt SF as a protective platform, in the railway driving area with baluster 180

## Element formwork ES, horizontal

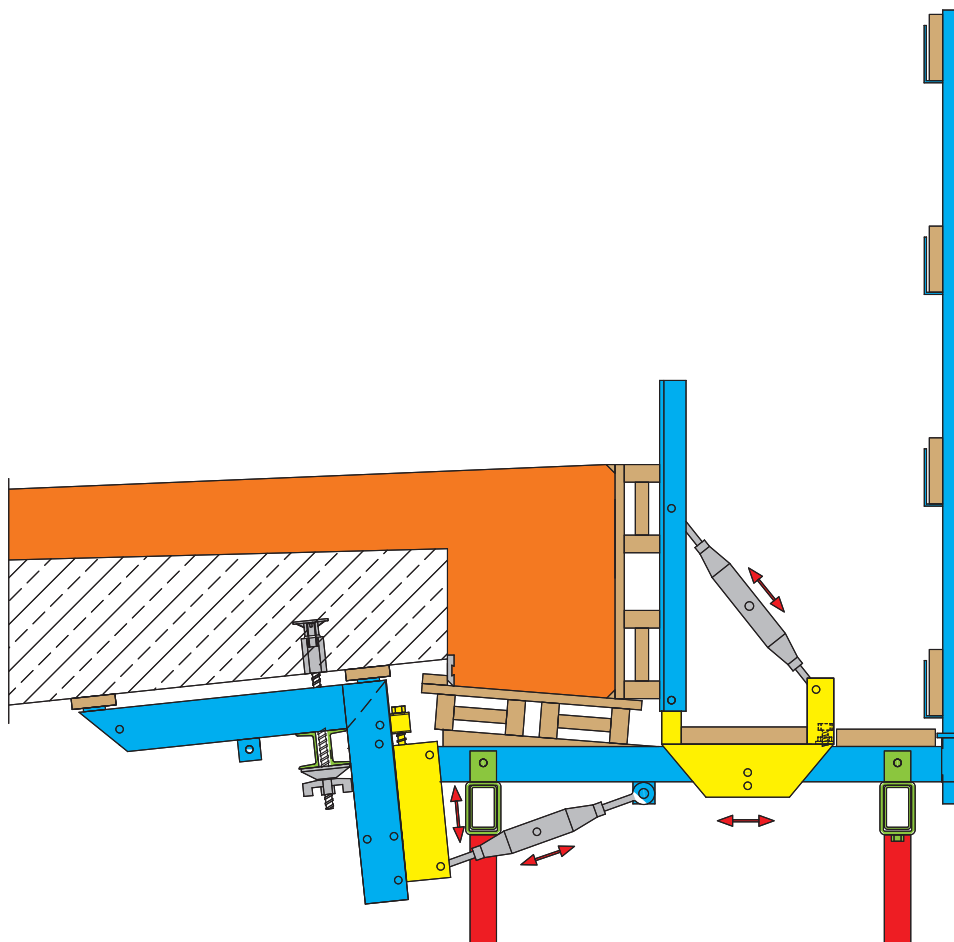
### Large-area formwork system / element formwork ES

- Time-saving system
- The formwork does not have to be completely dismantled, as is the case with single bolts!
- Convenient assembly for quick use
- Various lengths possible, e.g. 2 m, 3 m or 5 m





## Element formwork ES, horizontal



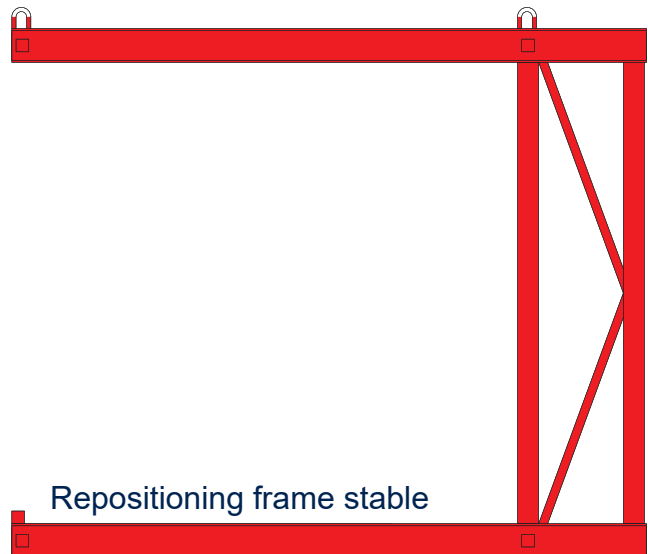
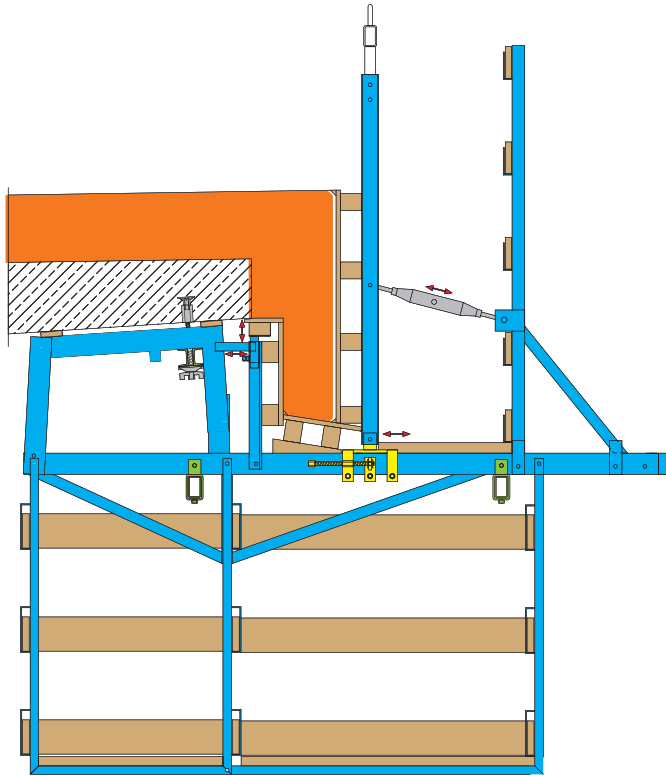
Element formwork ES, horizontal



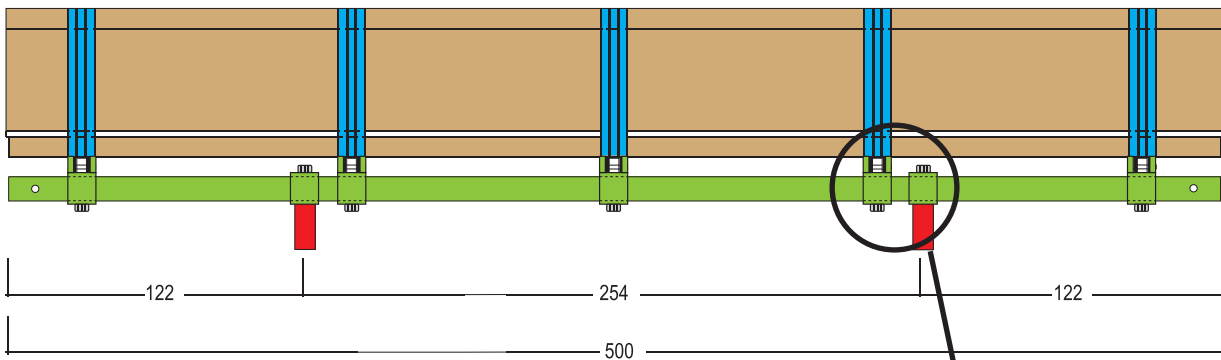
A red metal frame structure, likely a drying rack for lumber. It features a green base with wheels, a wooden platform, and a large wooden box at the bottom. The structure is designed to hold multiple layers of lumber for drying.

## Element formwork ES, horizontal

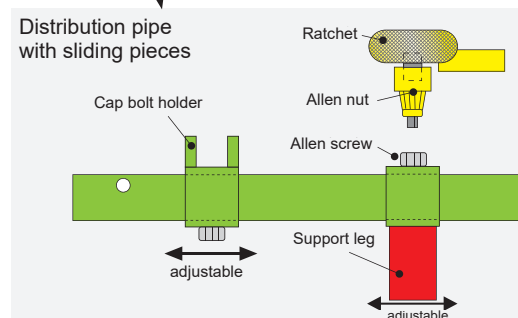
Other example for large cap cross sections



Cap element R 500 ES with formwork support wall



Due to the adjustable sliding pieces at the distribution pipe, the element can be simply and quickly adjusted to any distances.

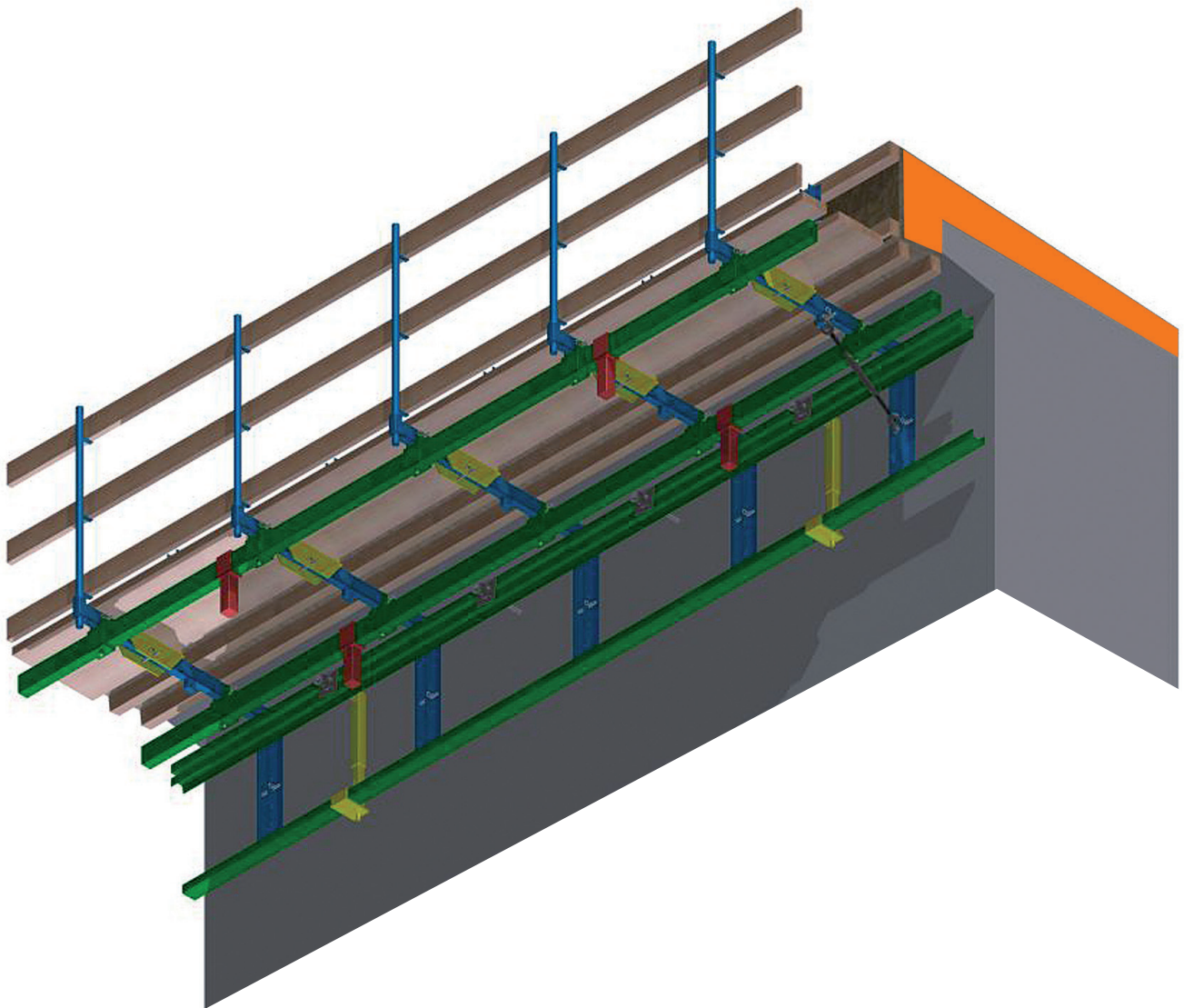




## Element formwork ES, vertical

### Large-area formwork system / element formwork ES

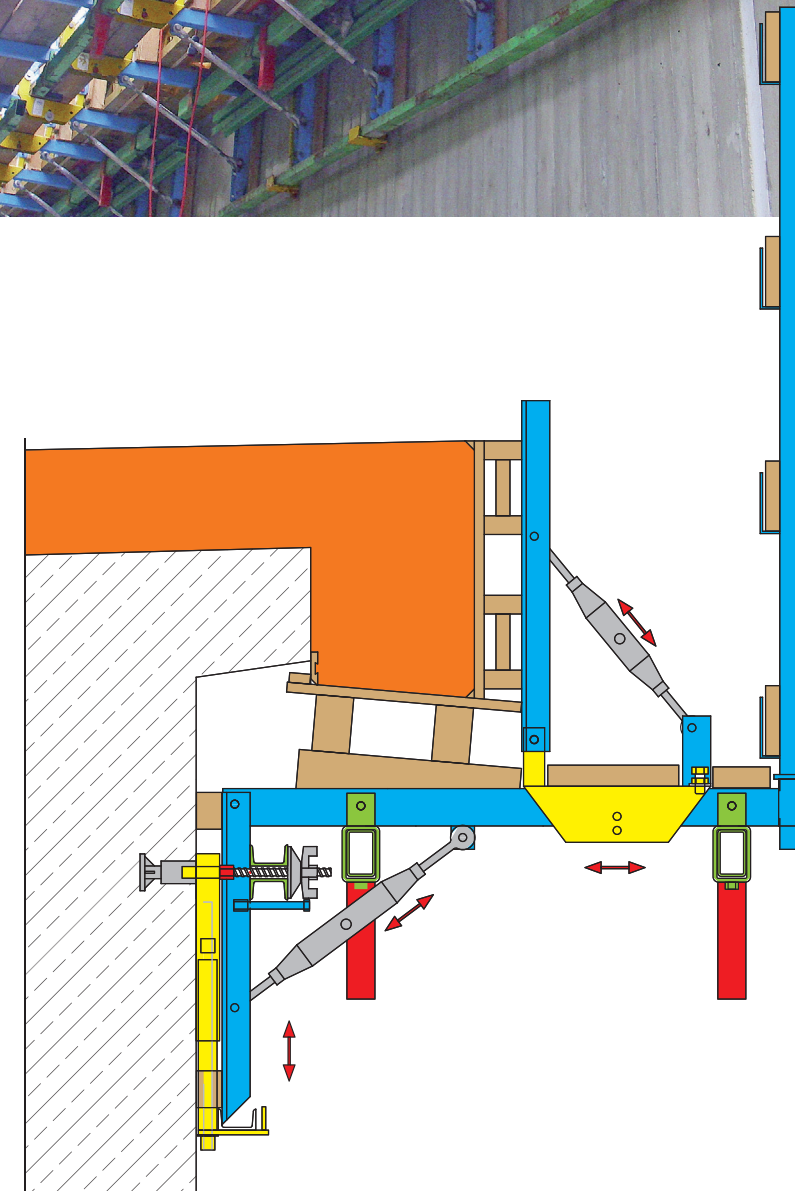
- Time-saving system
- The formwork does not have to be completely dismantled, as is the case with single bolts!
- Convenient assembly for quick use
- Various lengths possible, e.g. 2 m, 3 m or 5 m



### Advantages

- The element can either be delivered pre-assembled at the factory or assembled on site.
- Assembly is carried out with the repositioning frame.
- Attachment / anchoring is carried out via the platform cage or via a working platform on site.

## Element formwork ES, vertical



Element formwork ES, vertical

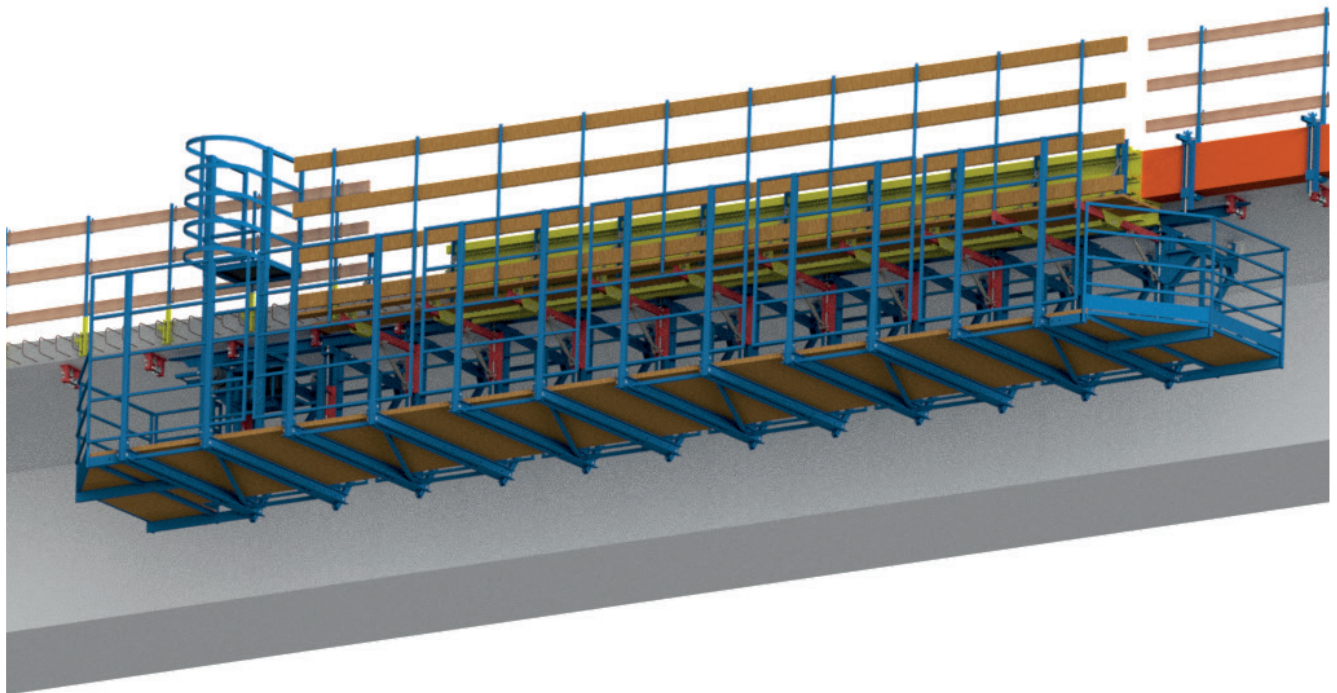


# CAP FORMWORK as track

## Express cap track

### Express cap track / system and advantages

- For outer and middle caps
- Fast, efficient and safe



Cap track



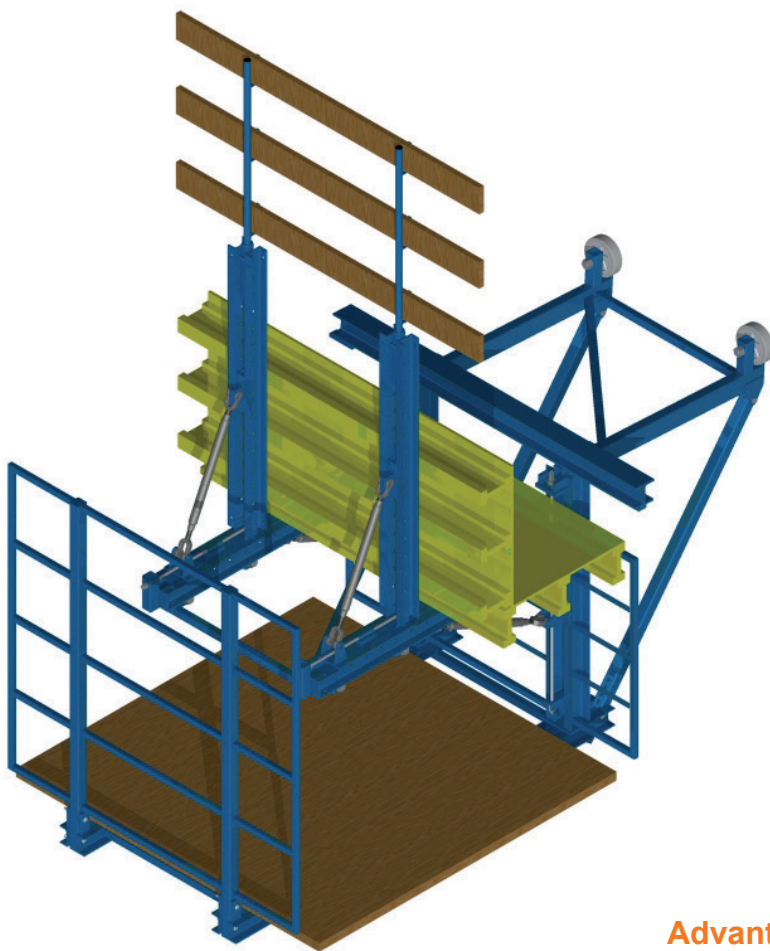
Utility model  
protected system!

# CAP FORMWORK as track

## Express cap track

### Express cap track

The new, successful system from the inventor of the cap track travelling under the bridge.



Utility model  
protected system!

### Advantages of the Express cap track

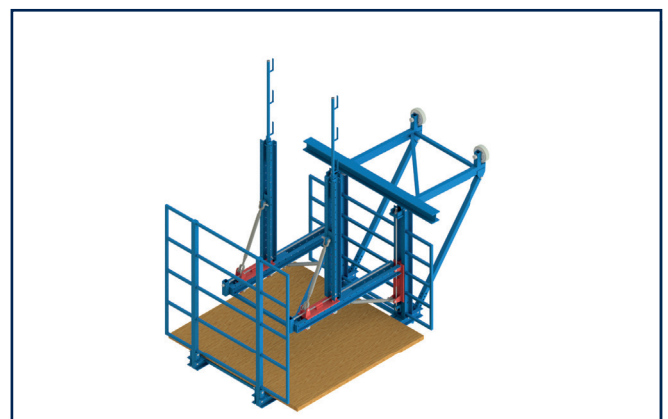
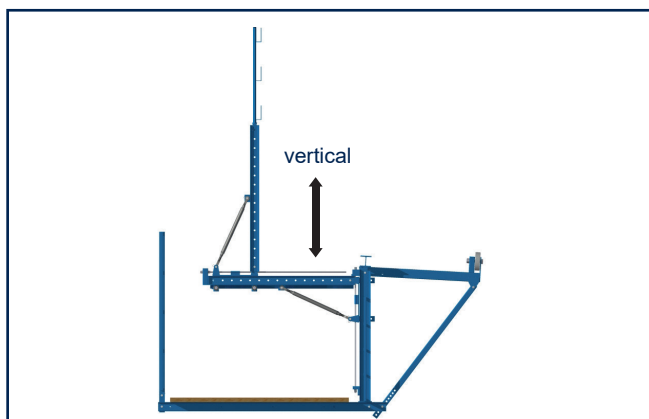
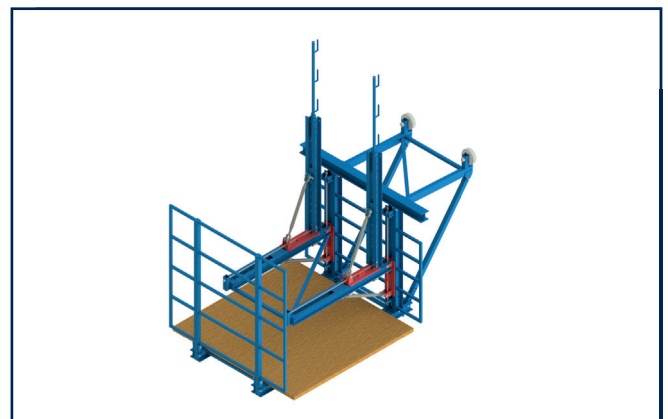
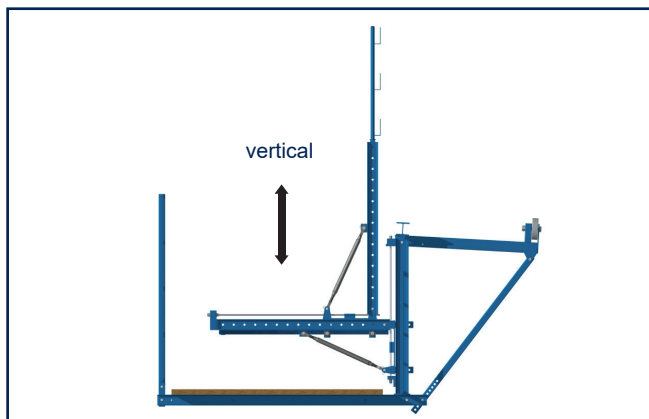
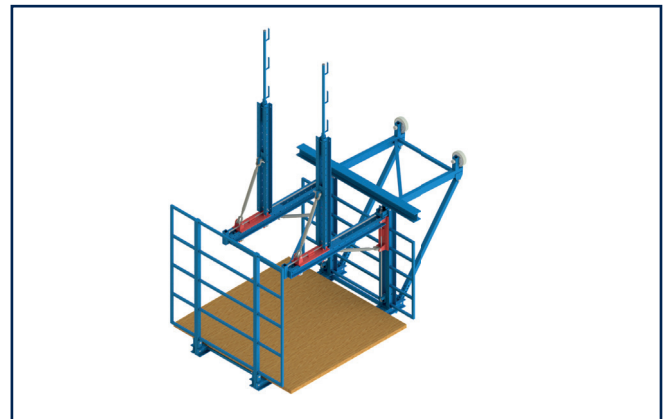
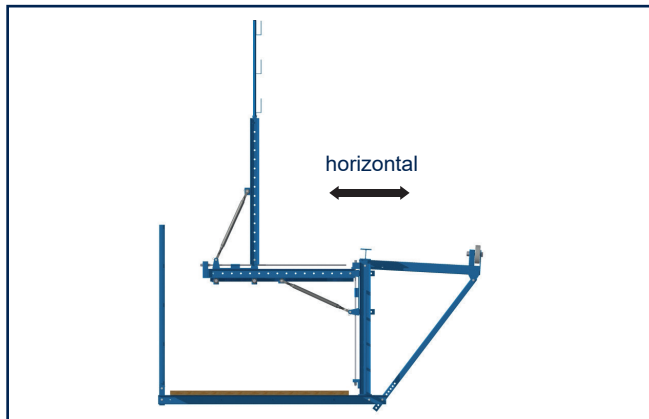
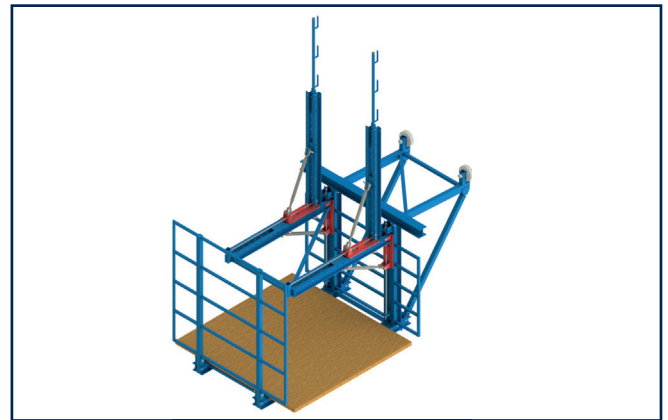
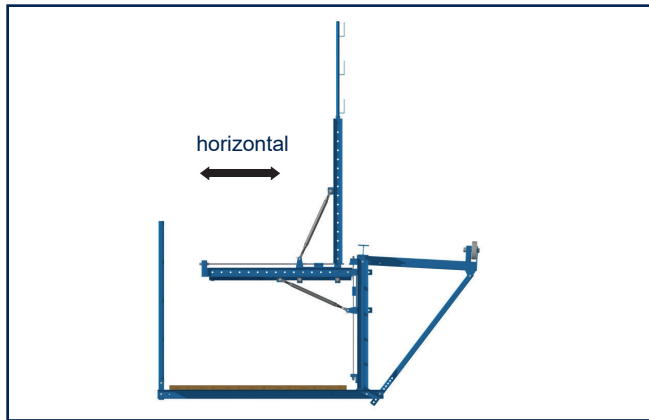
- Prefabricated 2 m elements that can be assembled very quickly as the components are folded open.
- Fall protection and floor covering are included in the scope of delivery.
- lightweight, stable roller brackets with only one anchoring
- All components are very robustly constructed
- The basic construction is identical, regardless of whether small or large caps are produced.
- broadly applicable
- low labour costs due to fast assembly
- full free space on the bridge for placing the reinforcement and concrete



# CAP FORMWORK as track

## Express cap track

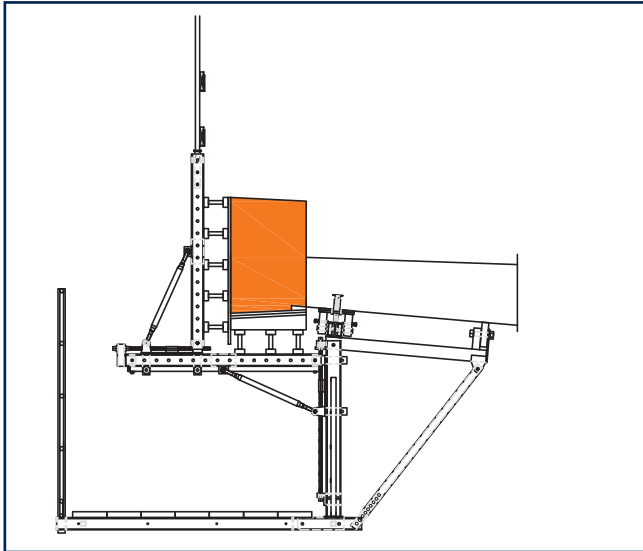
Stepless adjustment possibilities ...



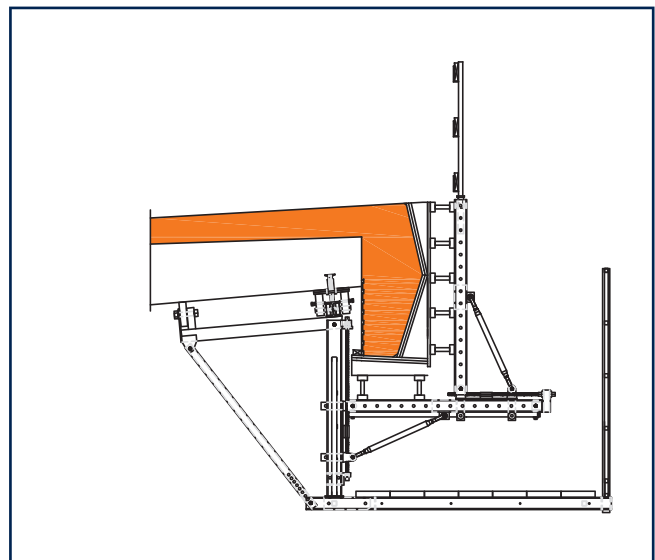
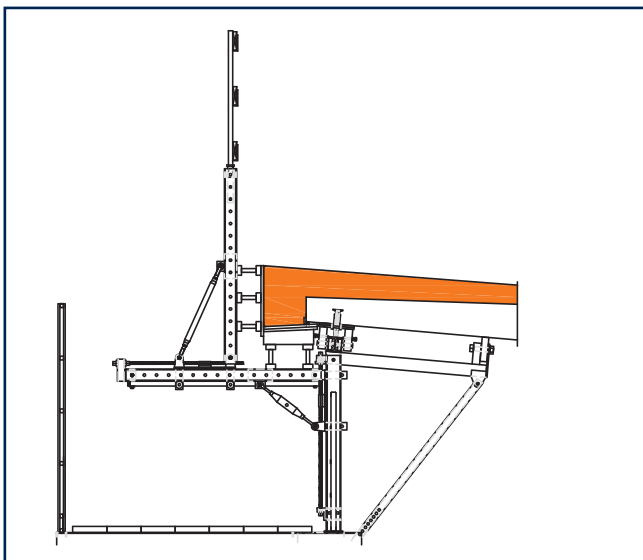
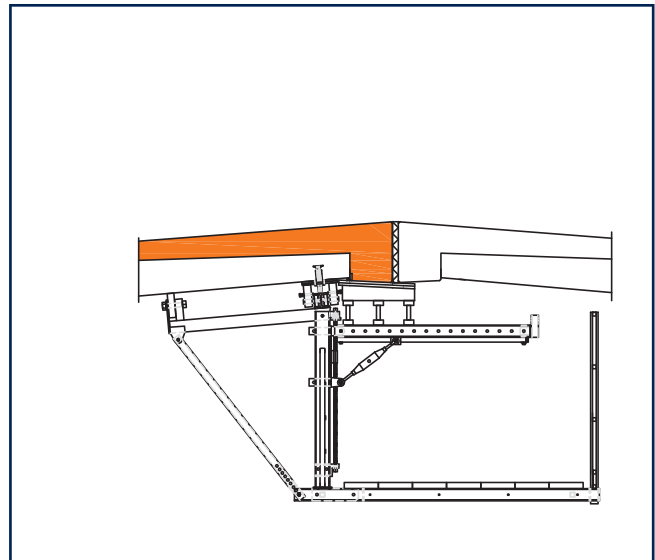
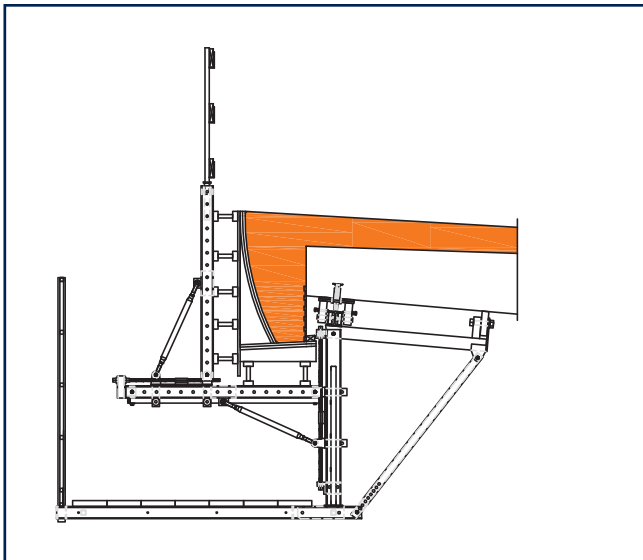
# CAP FORMWORK as track

## Express cap track

... and therefore versatile and flexible in use



A system for  
almost all cap  
cross sections



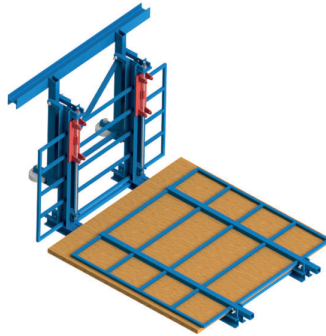


# CAP FORMWORK as track

## Express cap track

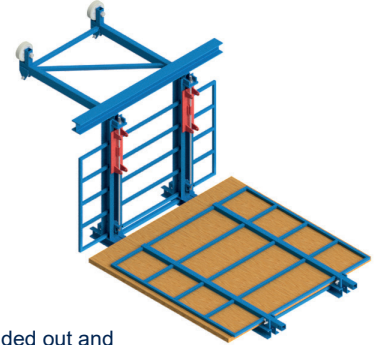
Assembly is as simple as this

1



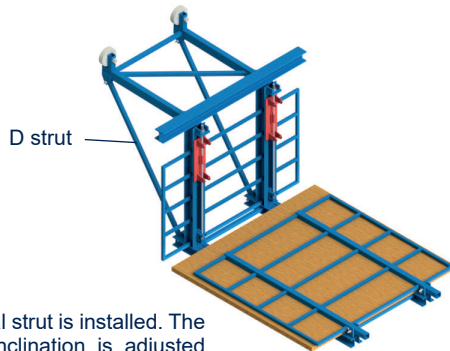
delivery condition

2



First, the rail bracket is folded out and secured with bolts.

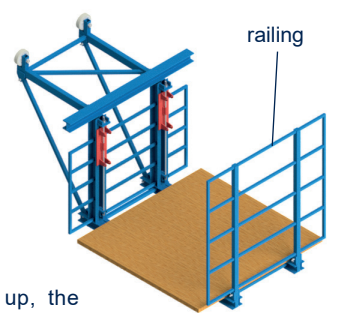
3



D strut

Now the diagonal strut is installed. The superstructure inclination is adjusted via the hole grid.

4



railing

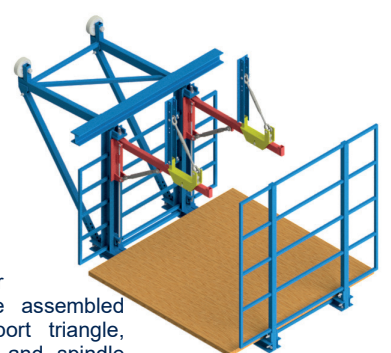
When the railing is folded up, the element is completely pre-assembled and can be mounted with the repositioning frame.

5



When the elements are suspended in roller brackets, they are connected with screws to form a tension.

6



Now the components for the cap formwork are assembled (cantilever arms, support triangle, formwork support wall and spindle are mounted with pins).

7

The leading element with platform descent and electric cable winch is the 1st element of the cap track in the direction of travel.



8

The trailing element including the cap formwork is the last element of the cap track.

**Note:** The assembly of the Express cap track on the middle cap is carried out from below!

Instructions for assembly and use:



# CAP FORMWORK as track

## Express cap track

### The roller brackets

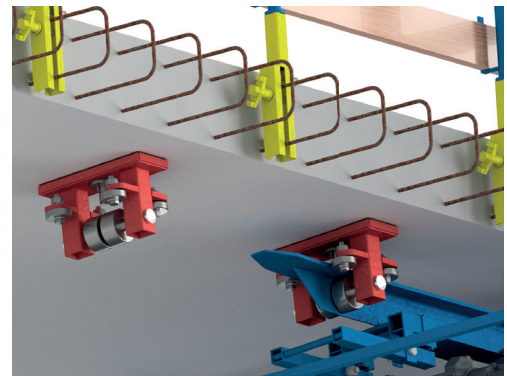
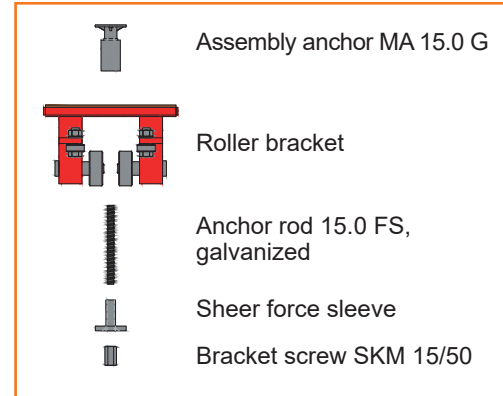
The roller bracket takes on the net weight of the Express cap track and the whole concrete load. No additional, complex anchoring is necessary.

The roller bracket is mounted with the anchor, shear force sleeve and hexagon nut included in the scope of delivery in the Quick assembly anchor MA 15.0 encased in concrete.

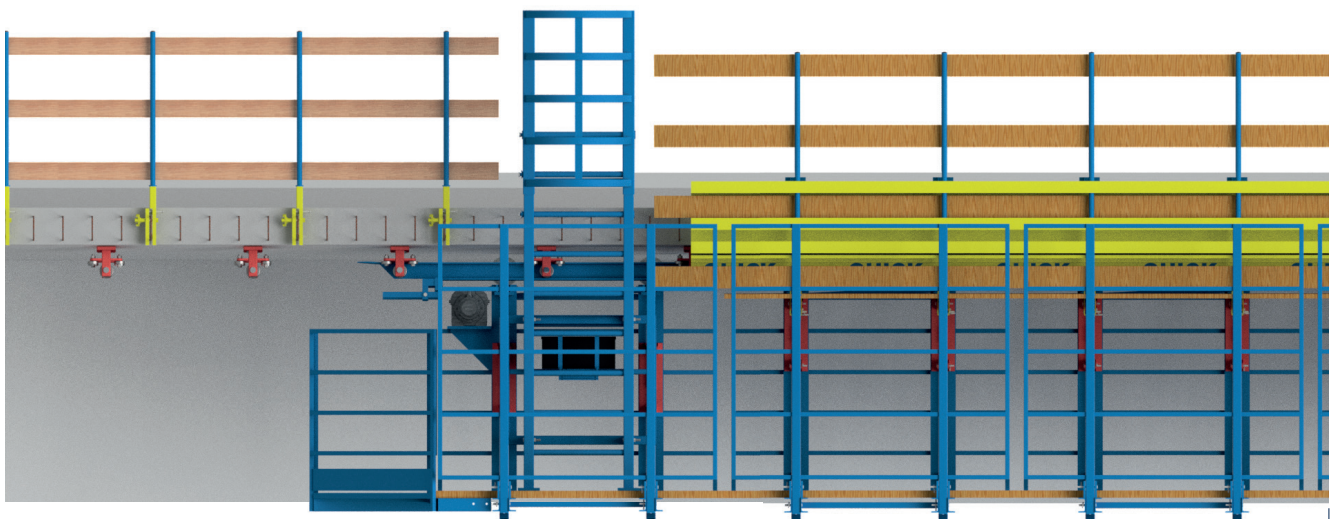
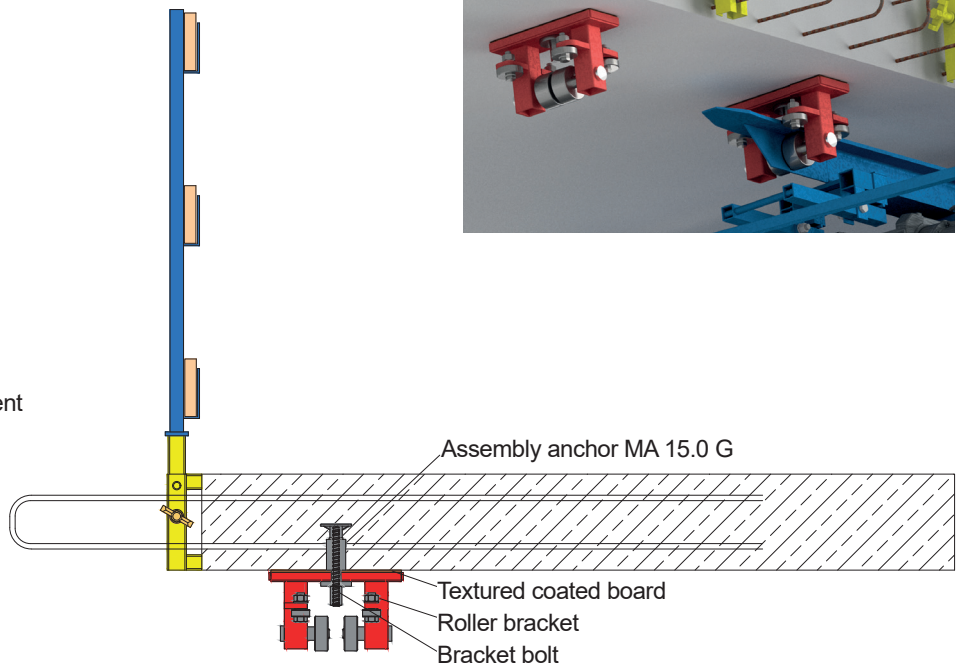
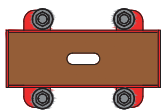
### Please note:

The roller bracket is mounted from the front platform. It is also possible to pre-assemble it with an assembly platform.

### Scope of delivery



Roller bracket, top view  
Elongated hole for transverse alignment





# CAP FORMWORK as track

## Express cap track

### Safety first

The leading element with platform descent and electric cable winch



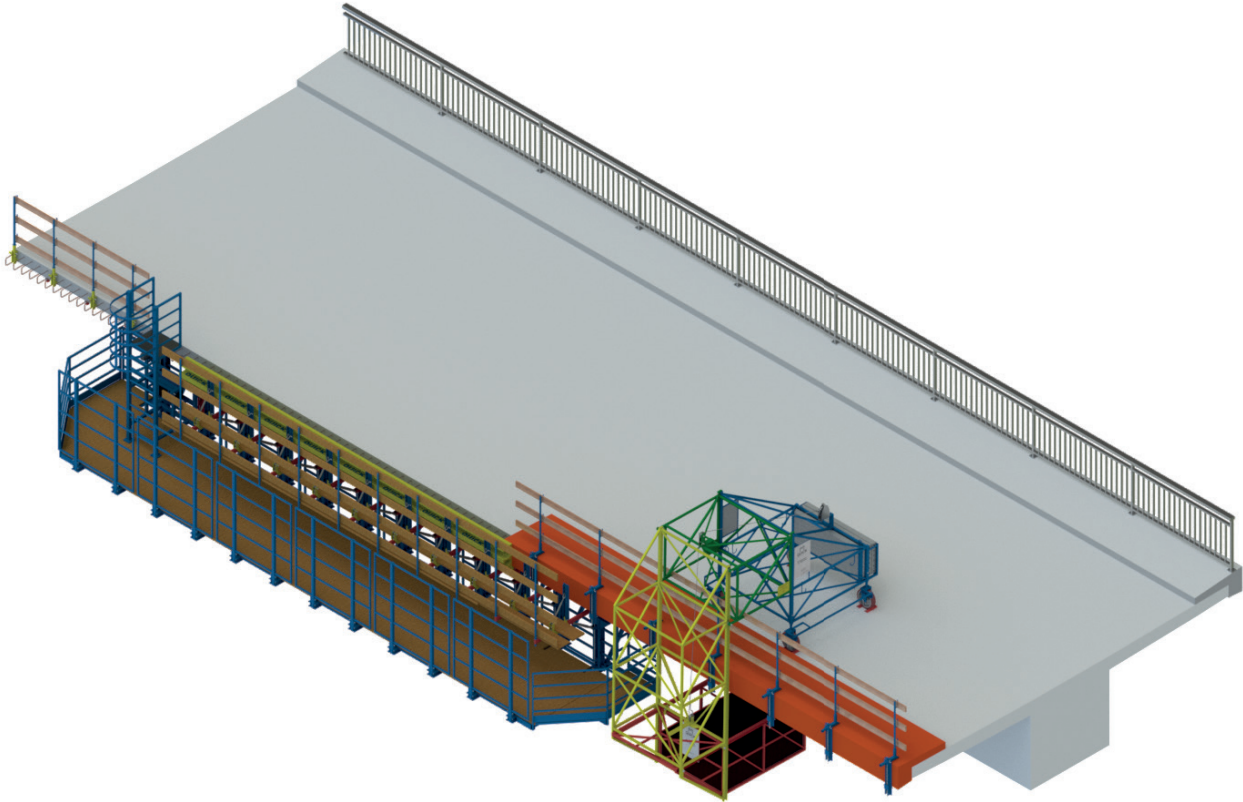


# CAP FORMWORK as track

## Express cap track

### Quick cap track Express

View of 3 control elements, leading and trailing element (approx. 8m-cap formwork)



### Examples for the assembly and disassembly of the roller brackets

Assembly of the roller brackets with the supplied assembly jig

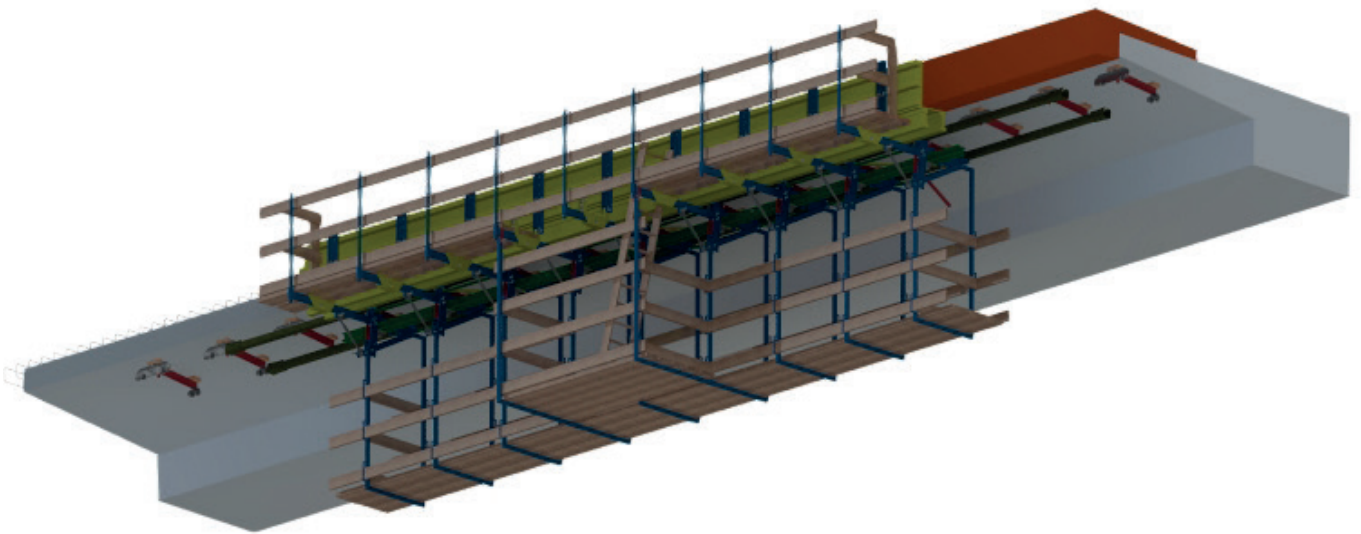




## Cap track – type 2 horizontal

### Cap track / system and advantages

- For middle and outer caps
- For long bridges
- For strongly curved bridges
- For short cantilever arm widths
- Easy, fast and safe



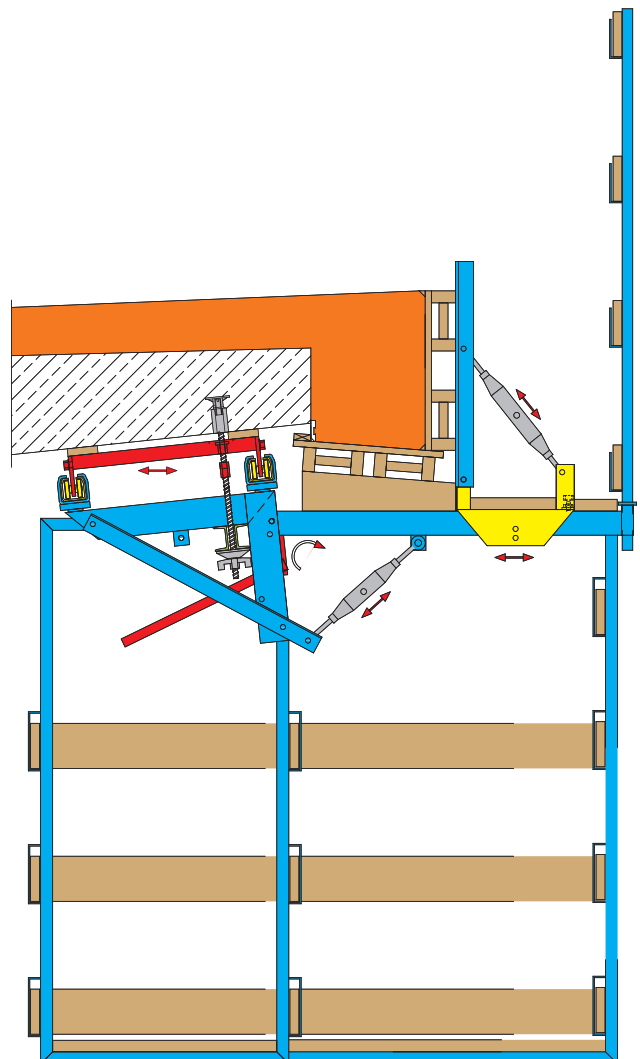


## Cap track, horizontal



### Advantages of the cap track

- low labour costs due to fast assembly
- short formwork times
- little space required
- full free space above the bridge for placing the reinforcement and concrete





## Cap track, horizontal

### Roller bracket type 2

The roller brackets are mounted on the super-structure. This makes the assembly of the cap track easier. The railings are mounted on the clamping bar.

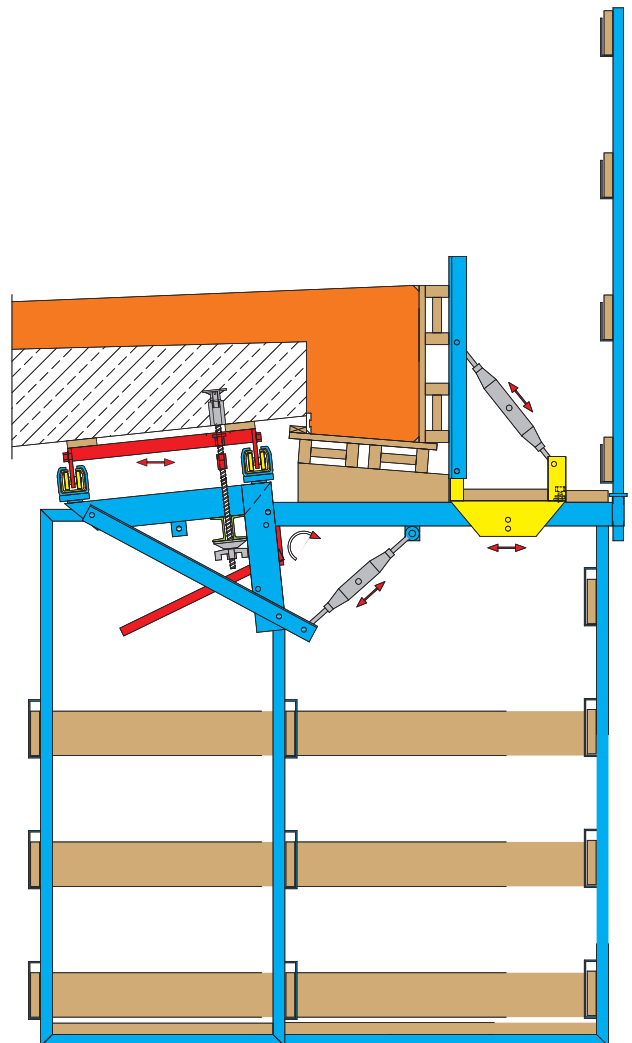
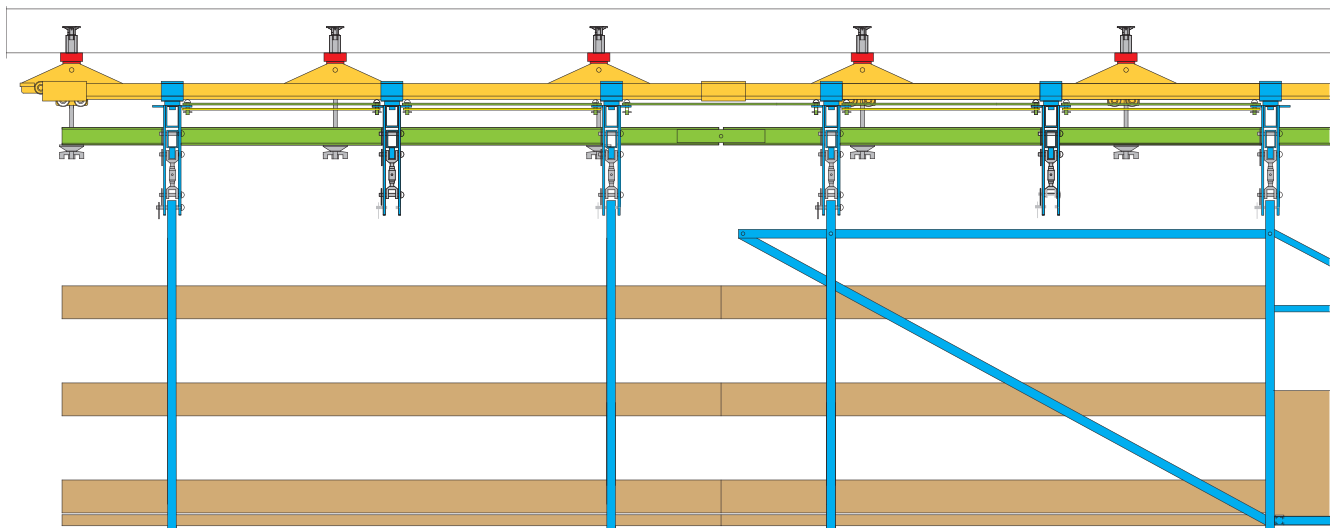


Illustration of the outer cap

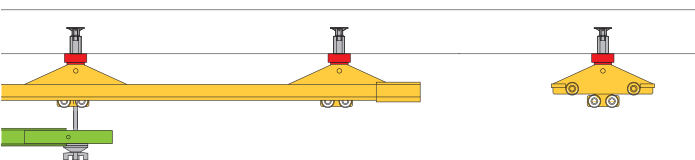
### Illustration of the cap track including platform extension



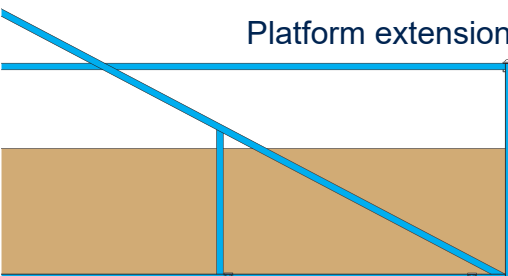
## Cap track, horizontal



Roller brackets  
type 2



Platform extension



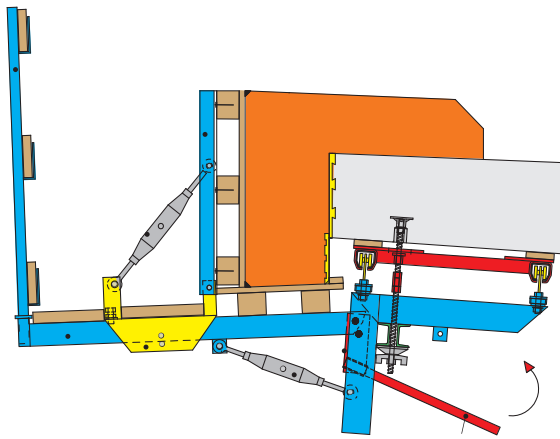


## Cap track, horizontal

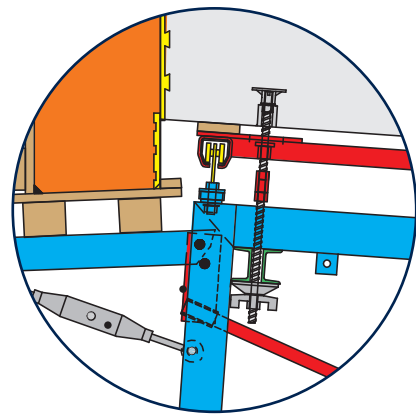
### The stripping eccentric

The stripping eccentric is used for stripping the cap after concreting. By removing a bolt, the cantilever arm is tilted over the eccentric, so that there is enough stripping clearance to move the cap track.

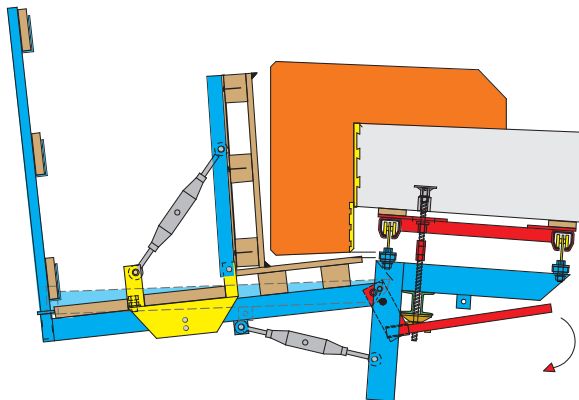
#### shuttered



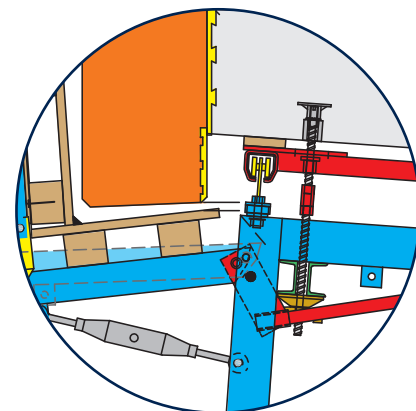
#### Detail view



#### stripped



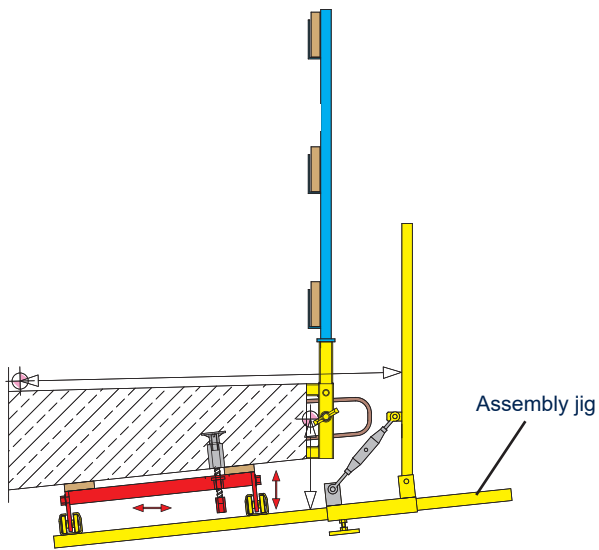
#### Detail view



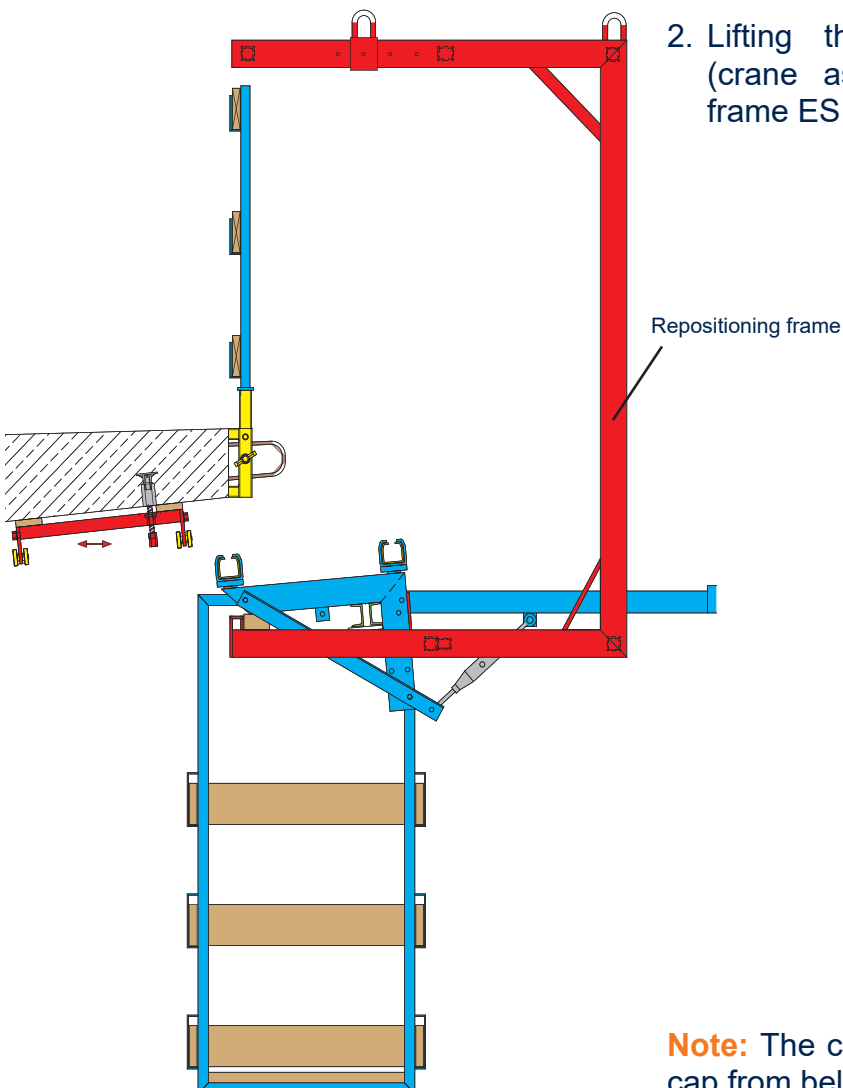
No spindles or screws need to be adjusted. Everything remains in its position.

## Cap track, horizontal

1. Assembly of the roller bracket with the assembly jig



2. Lifting the pre-assembled 3m-elements (crane assembly) with the repositioning frame ES



**Note:** The cap track is mounted to the middle cap from below!



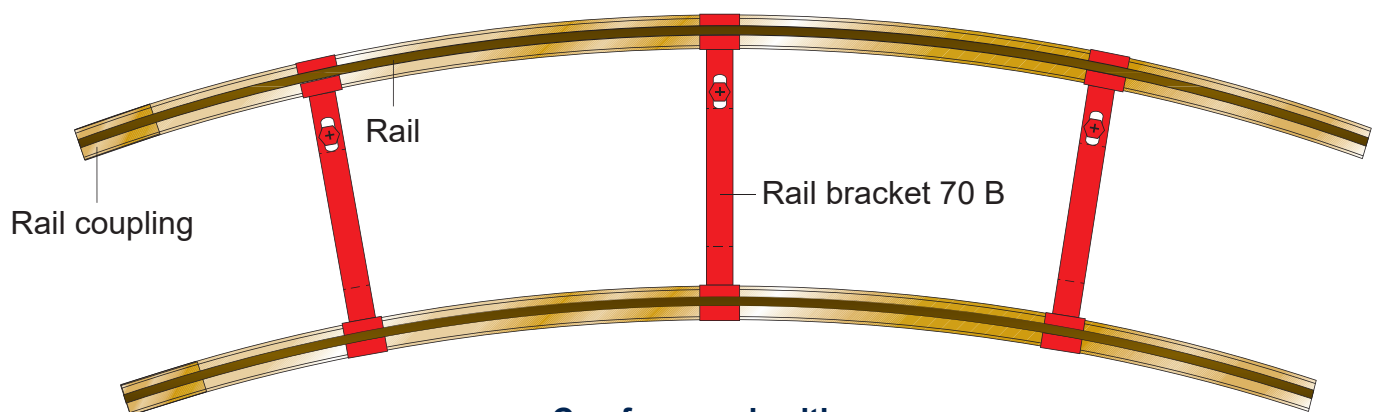
## Cap track, horizontal



Illustration type 1

## Curved bridge

Bottom view of the mounted track



**Cap formwork with a  
track up to > 45 m radius**

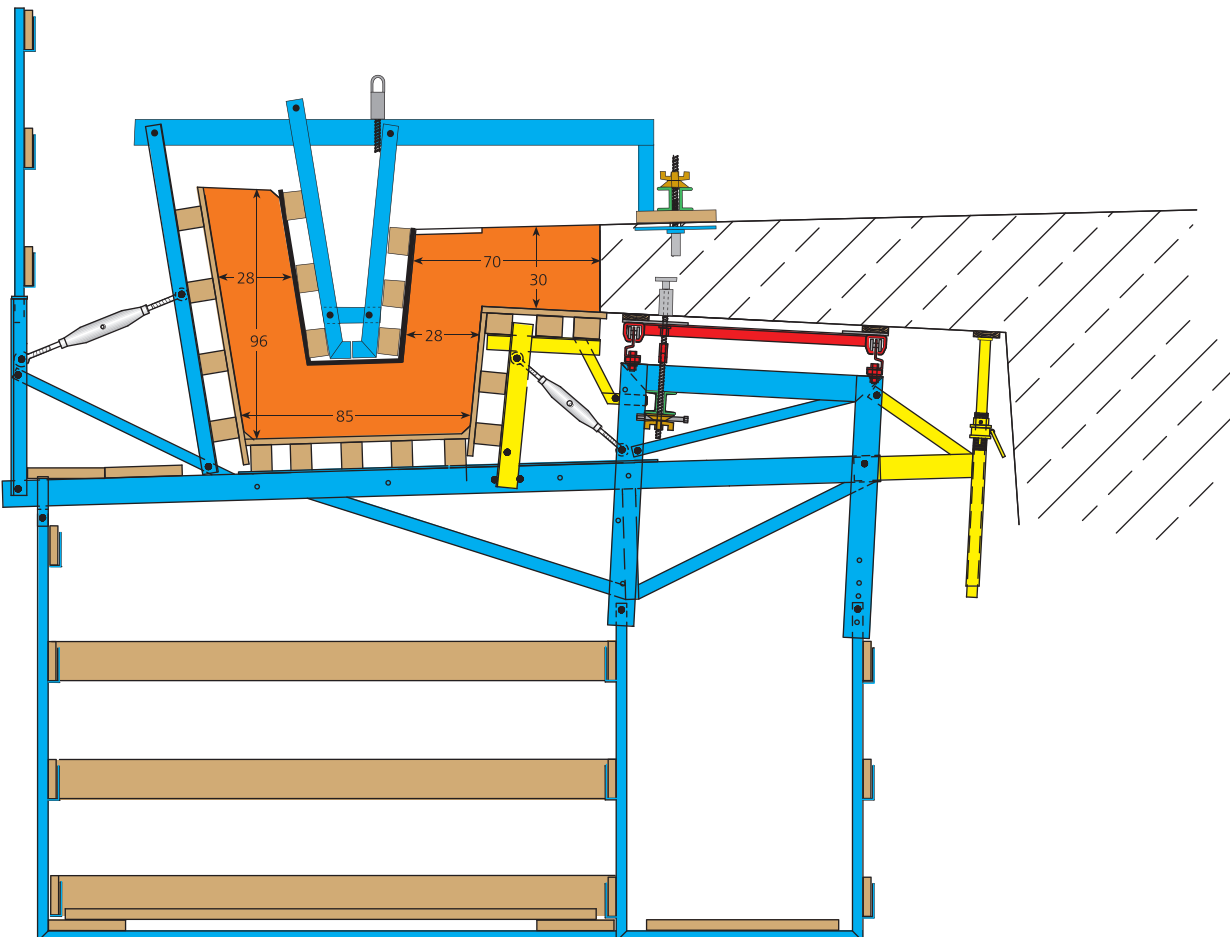
The rails can be bent (without permanent deformation)  
and become straight again when released.

## Cap track, horizontal



Special solutions

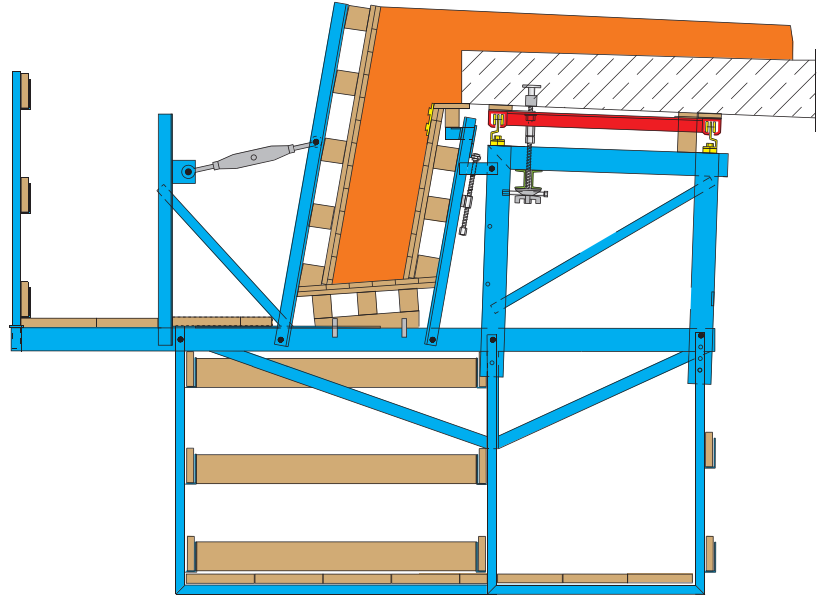
### Cap with trough



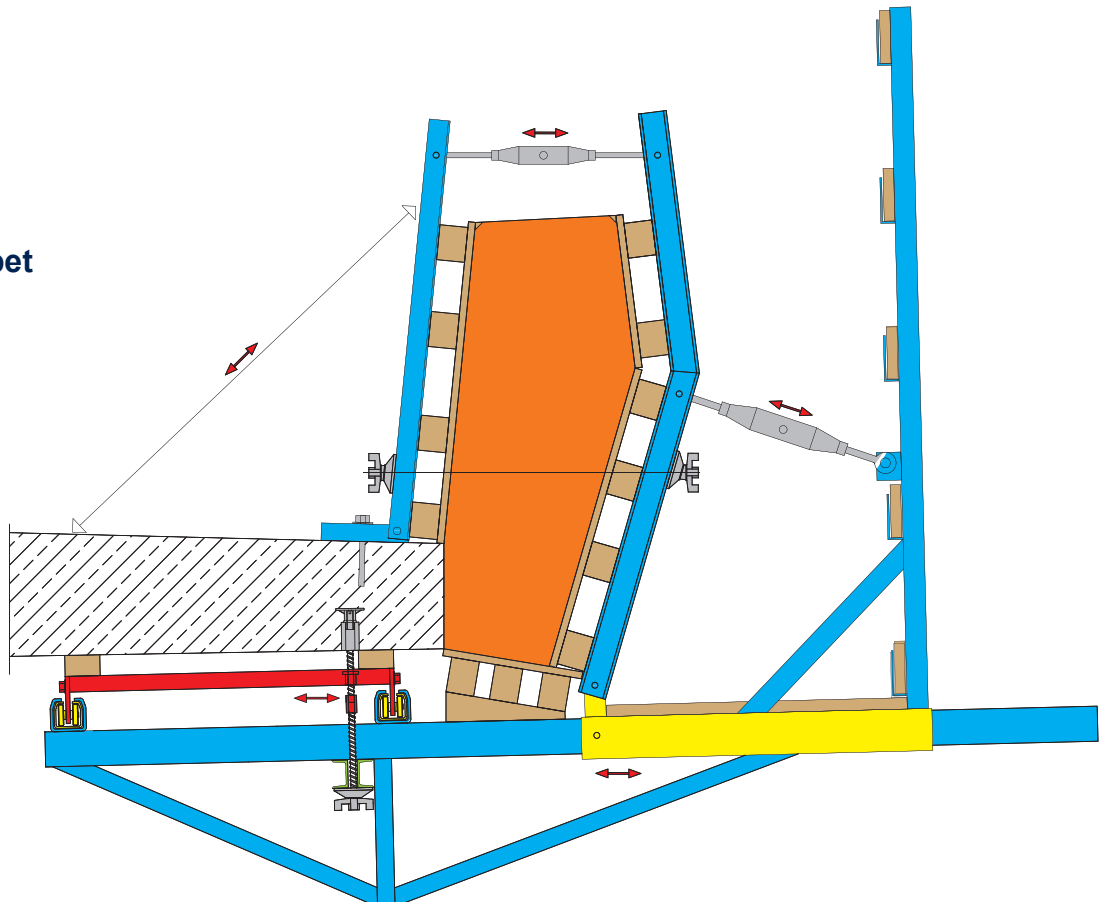
## Cap track, horizontal

### Other examples

#### Low hanging cap

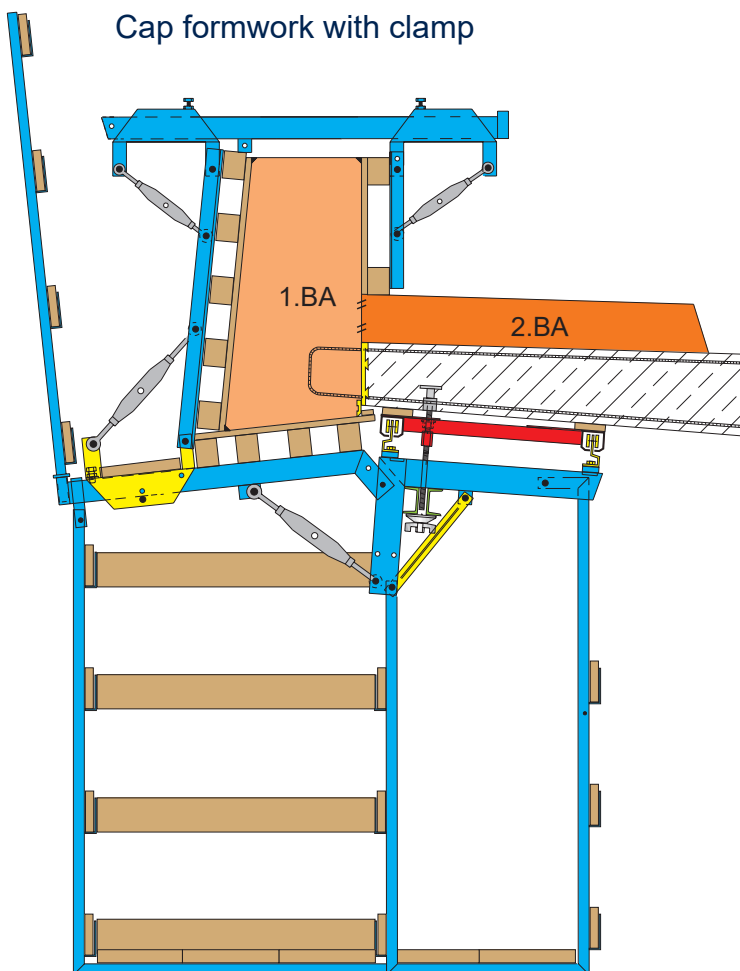


#### Cap with parapet





## Cap track, horizontal



Cap with parapet

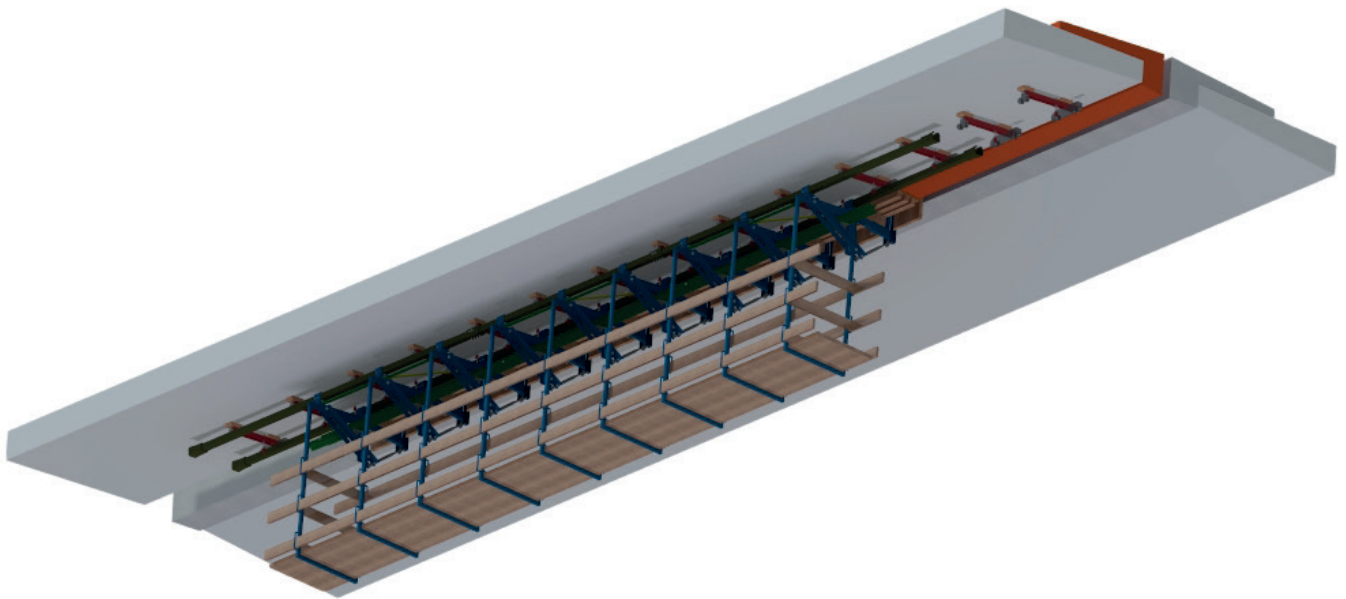
## Cap track, horizontal

### Middle cap track type 2

- for middle caps
- for long bridges
- for strongly curved bridges
- for short cantilever arm widths

*You have little space between the caps?*

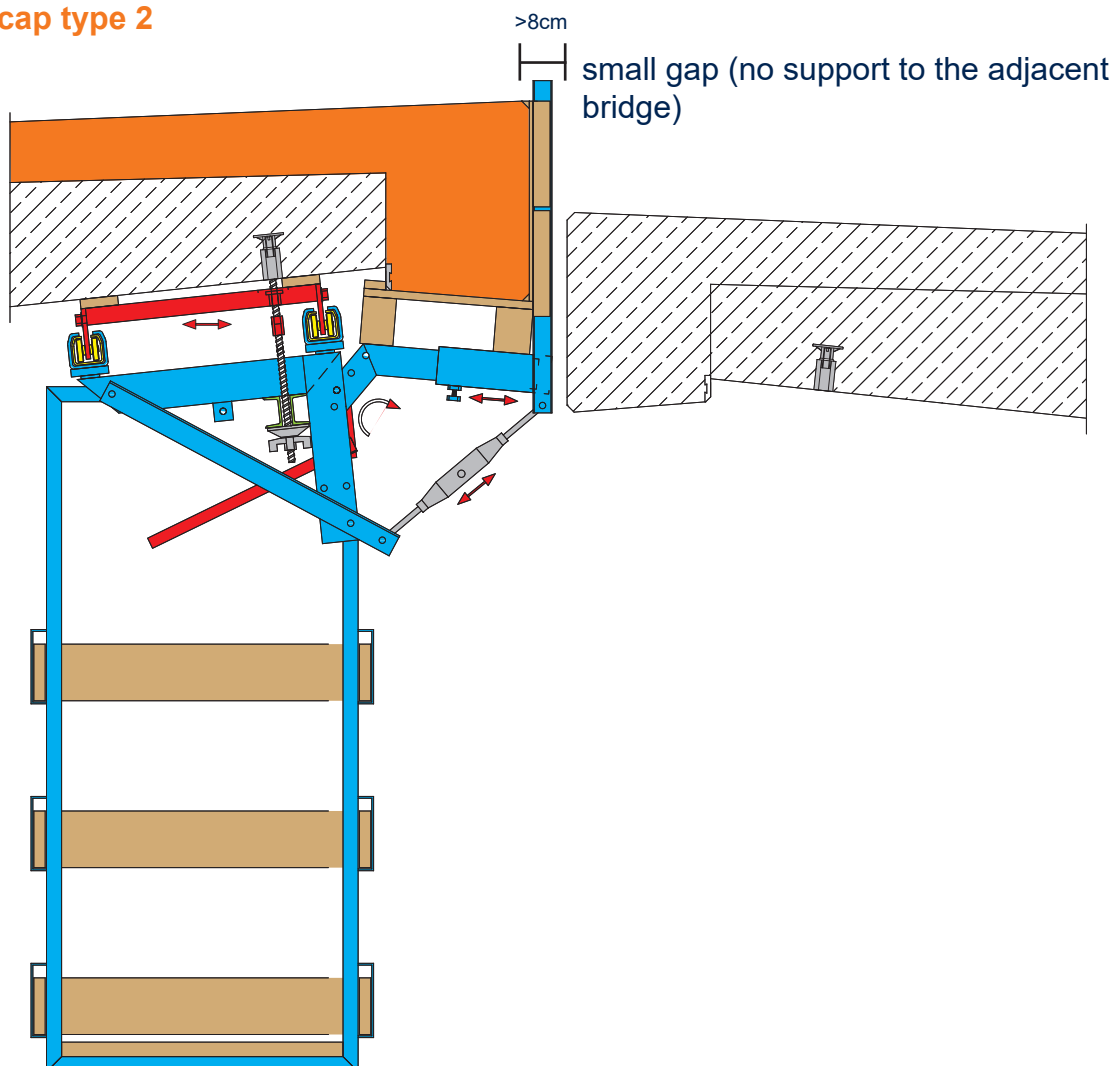
No problem! We have the solution.



## Cap track, horizontal



Middle cap type 2

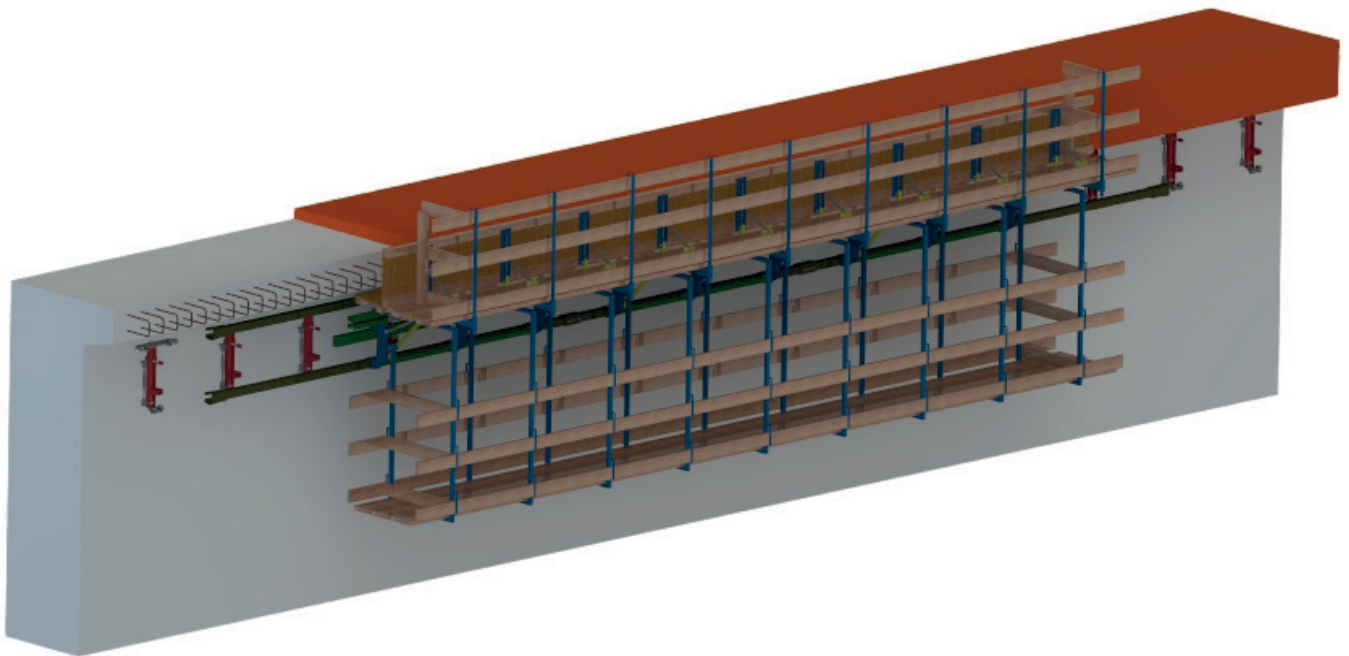




## Cap track – type 2 vertical

### Cap track / system and advantages

- for long buildings
- easy, fast and safe



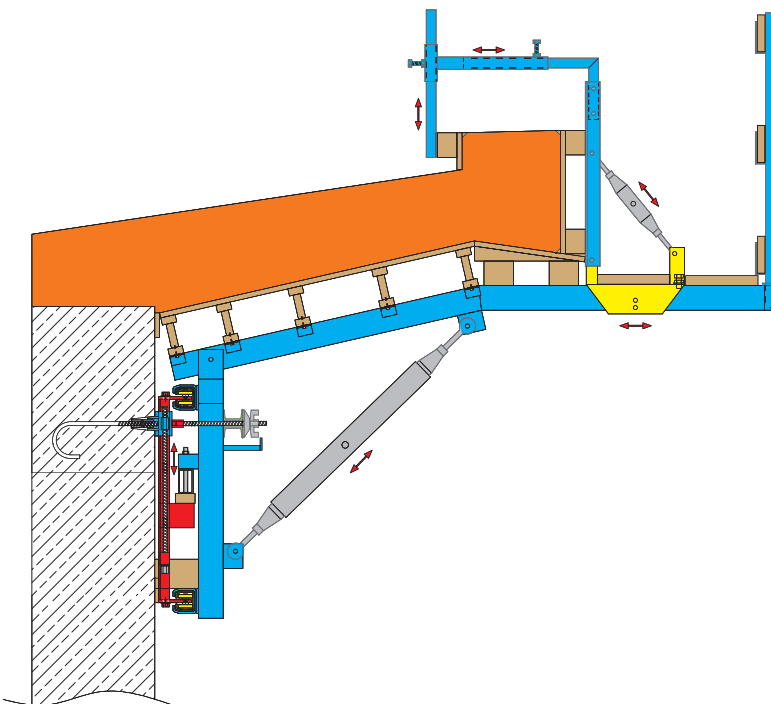
## Cap track, vertical



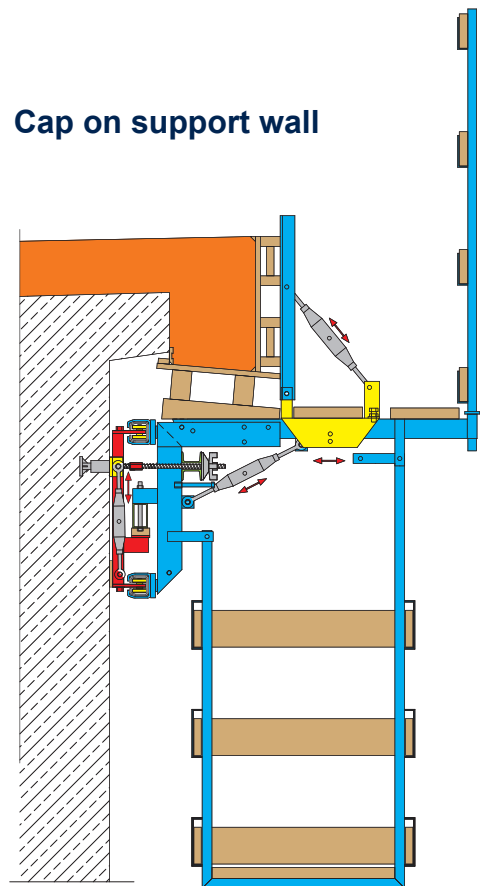
Cap track

### Examples

#### Cantilever slab with cap



#### Cap on support wall





# SHEET PILE WALL / STEEL COMPOSITE



Sheet pile wall  
head formwork





CHAPTER 3.1

PAGE

Sheet pile wall head formwork

64 - 65

Sheet pile wall head element formwork

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Sheet pile wall head platform

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CHAPTER 3.2

Kerb formwork

68 - 69

CHAPTER 3.3

Steel composite formwork (WIB bridges)

70 - 75

Steel composite formwork, general

76 - 81

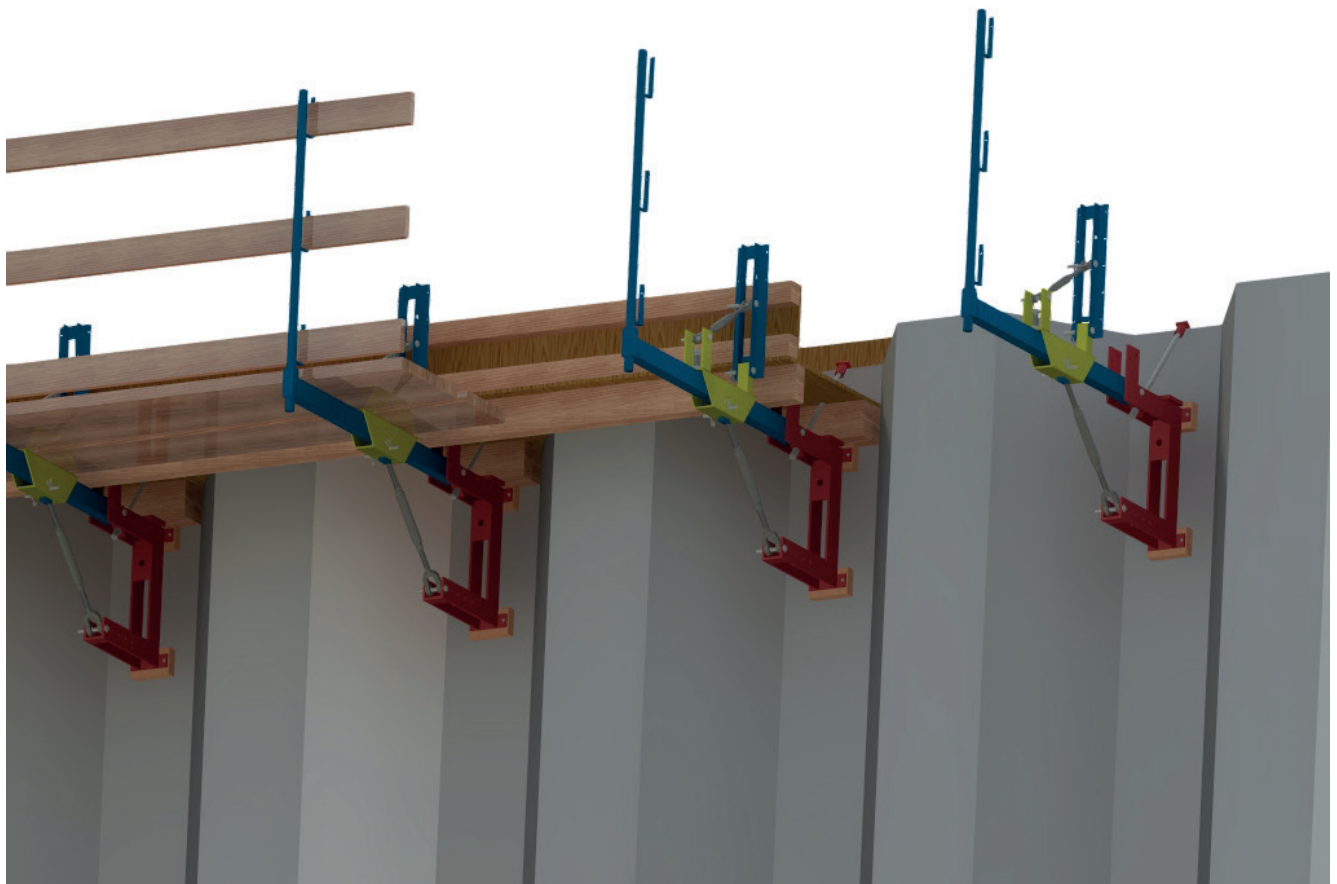
Sheet pile wall  
head formwork

# SHEET PILE WALL HEAD FORMWORK

## Sheet pile wall head formwork system

### Sheet pile wall head formwork system / formwork with the SF cap bolt

- As formwork (one and/or both sides)
- As protective and working scaffold
- As a single bolt or as an element



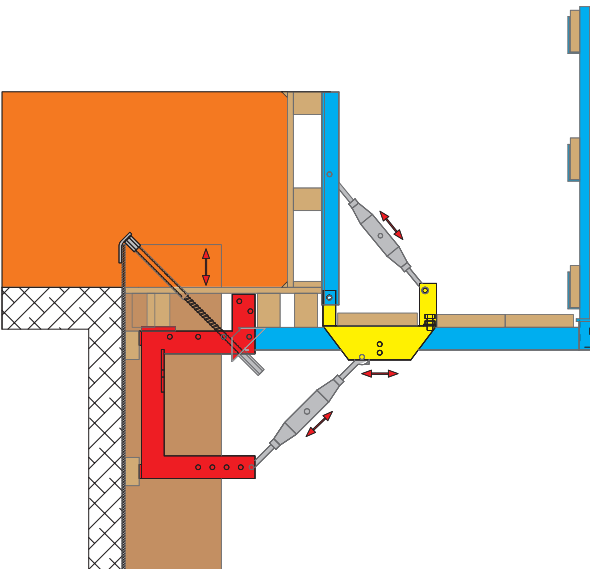
### Advantages of the system

- No complex formworking
- No welding and drilling
- Can be used as a platform on the sheet pile wall
- Also serves as fall protection

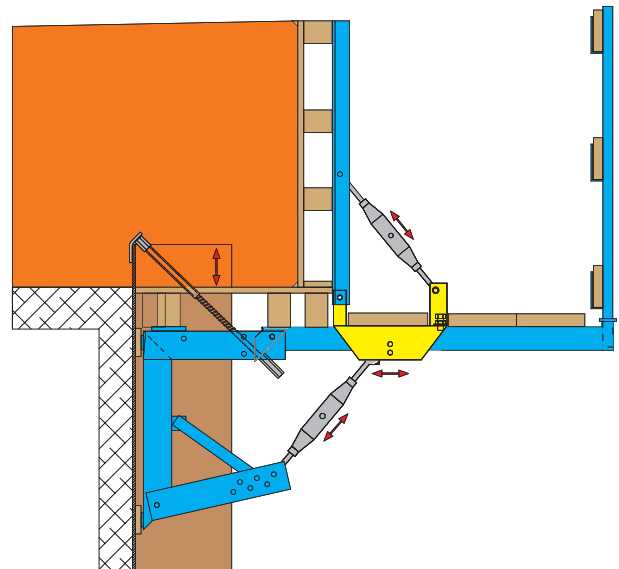
## Sheet pile wall head formwork system



as single bolt



**Sheet pile wall bolt**  
with clamping bolt 52 SF



**Sheet pile wall bolt with**  
clamping bolt 70 (cap bolt type 85)

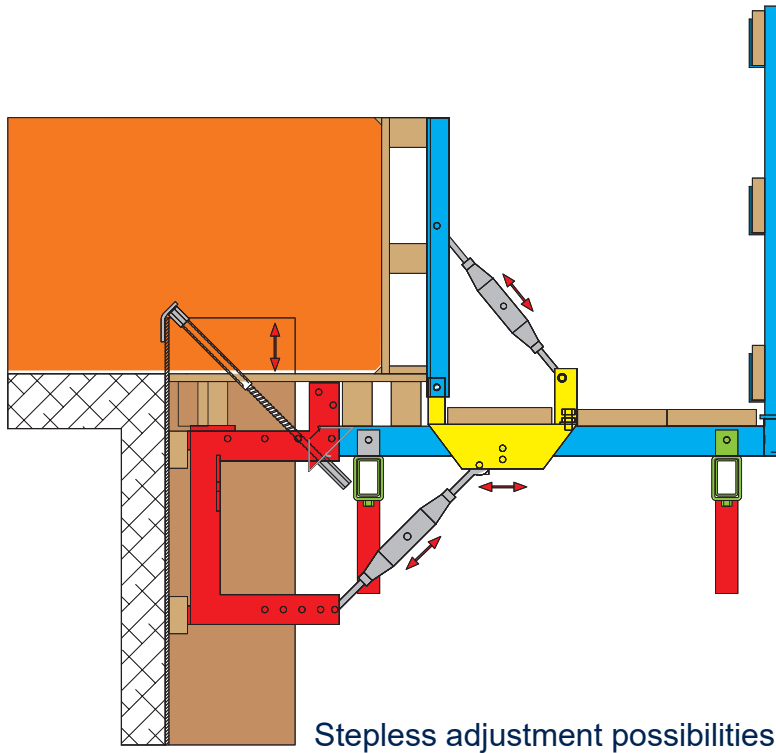


# SHEET PILE WALL HEAD FORMWORK

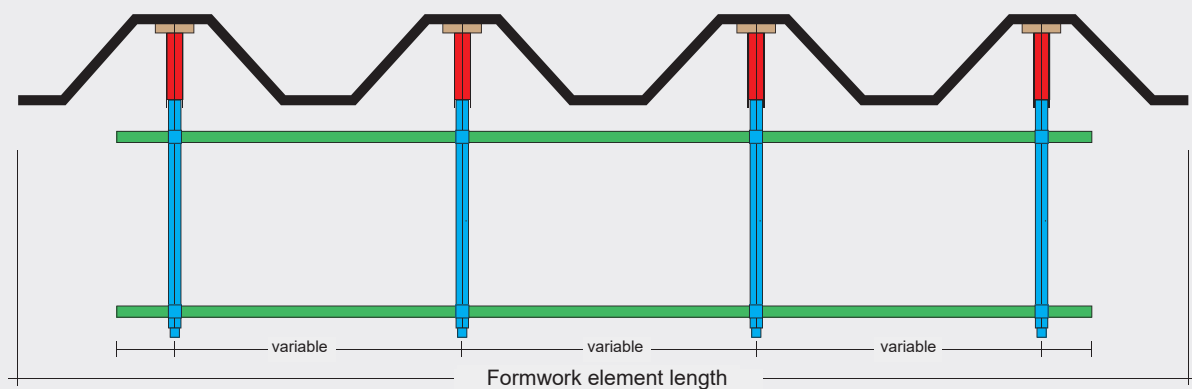
## Sheet pile wall head formwork system

### as element

- Various lengths possible, e.g. 2 m, 3 m or 5 m

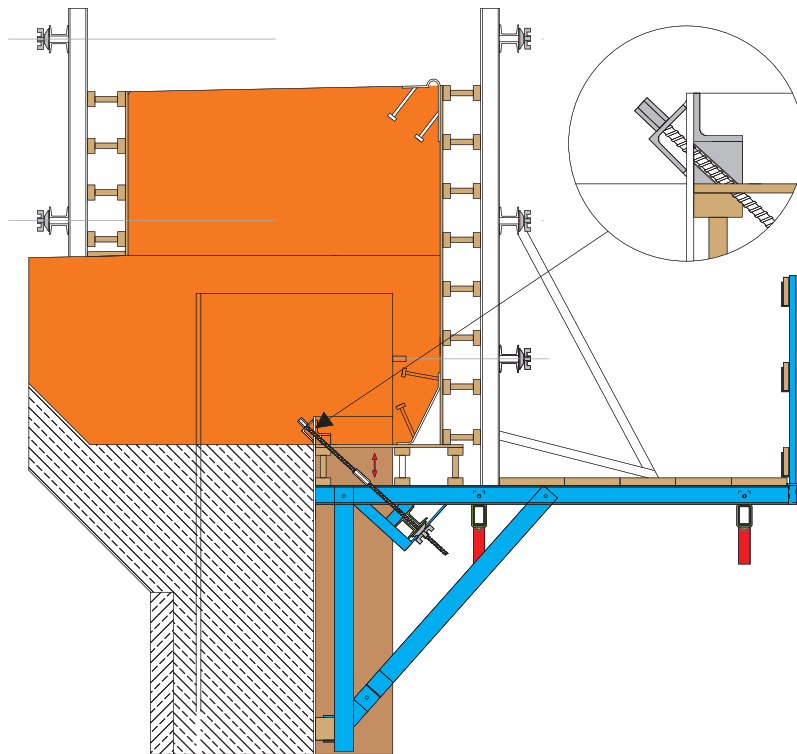


### Cap bolt SF as element formwork | Top view



# Sheet pile wall head formwork system

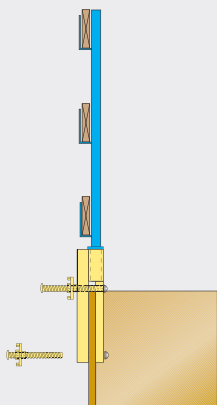
Even „heavyweights“  
can be formed with single bolts or elements.



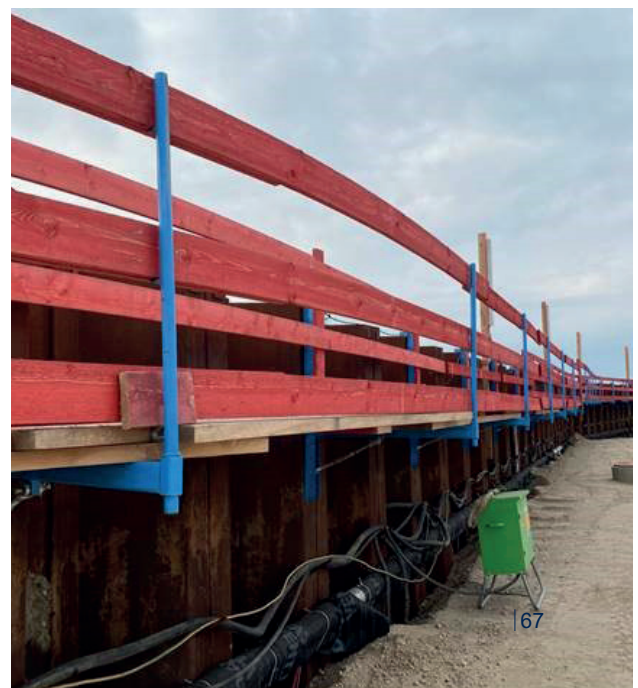
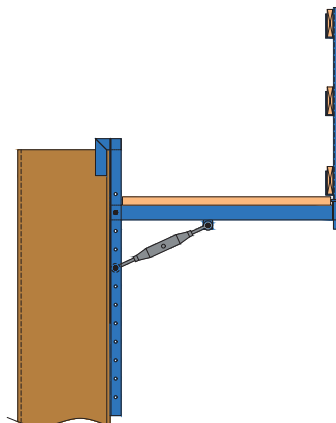
Sheet pile wall  
head formwork

## Sheet pile wall – fall protections – platforms

**Fall protection on  
the sheet pile wall**  
Clou 100 with baluster



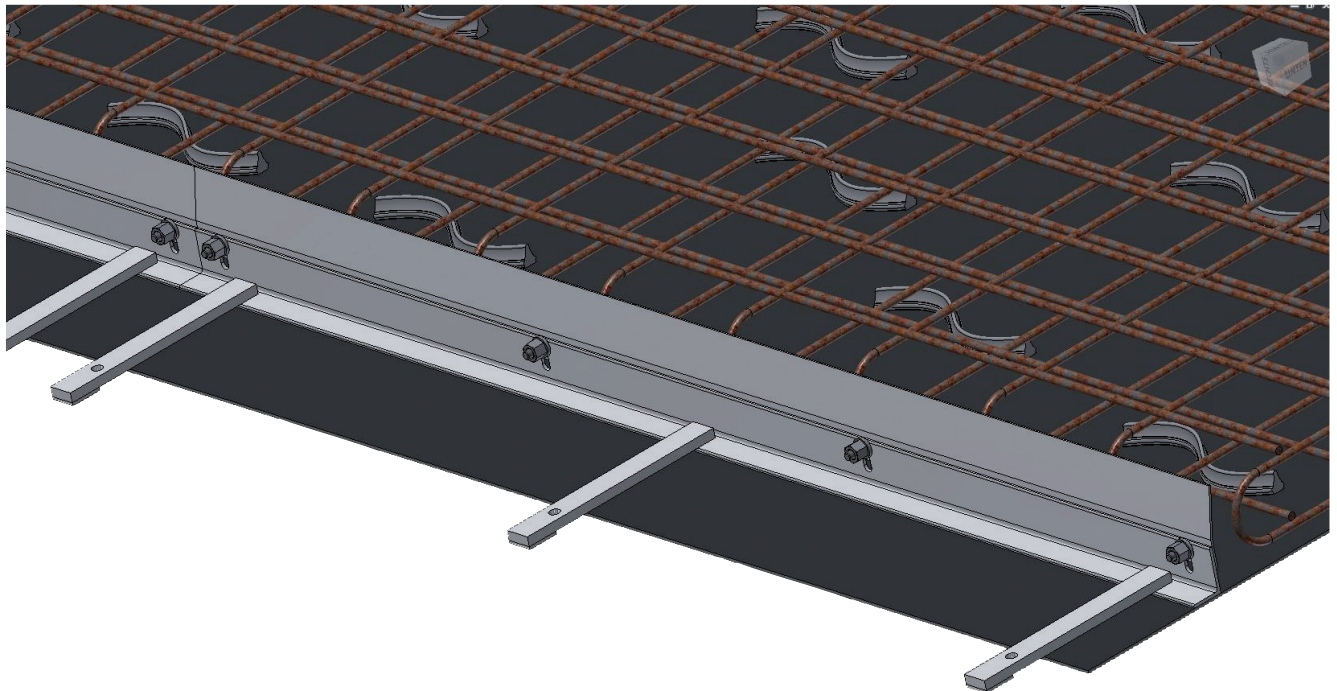
**Platform on the sheet pile  
wall with height bolt**  
(variable adjustment of  
walking level possible)



## Kerb formwork

### Kerb formwork

- Height-adjustable fixing of the stopend plate to the base profile
- Fixing of the formwork either by ballast or anchoring with a concrete screw in the floor
- Shuttering plate also available with chamfer
- Other dimensions / special lengths on request
- Standard length  $L = 2.00 \text{ m}$

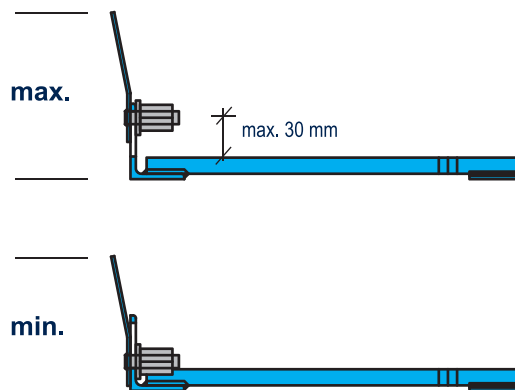




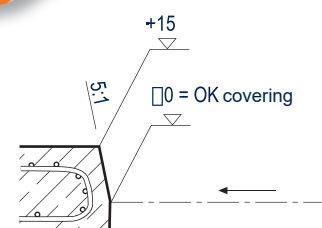
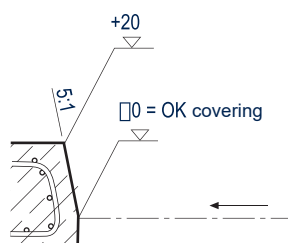
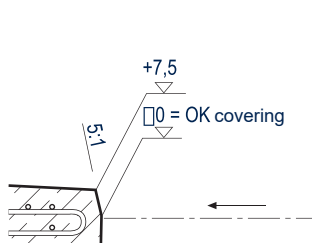
## Kerb formwork



Height adjustment  
range 30 mm



BAST kerb dimensions



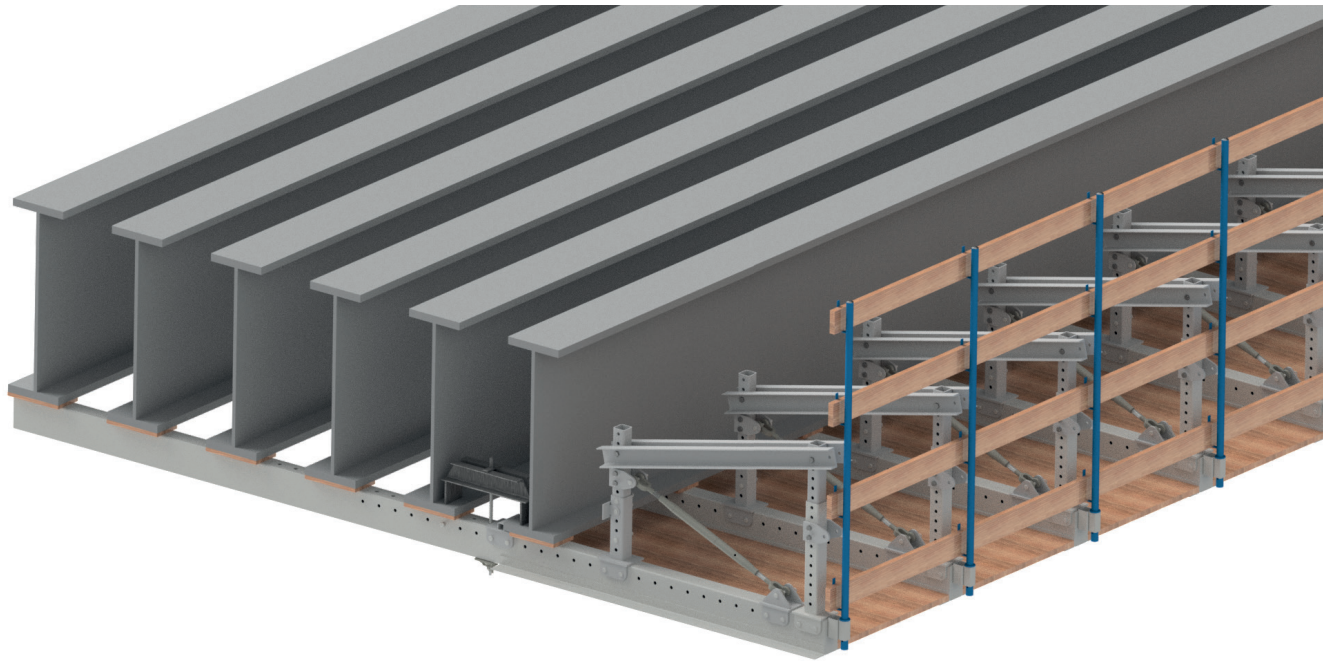
Special  
dimensions /  
fabrications  
also possible!

# STEEL COMPOSITE FORMWORK

## Steel composite (WIB) bridges

### Superstructure formwork / WIB bridges

- WIB Varius-Flex superstructure cantilever arm formwork
- Steel composite superstructure formwork



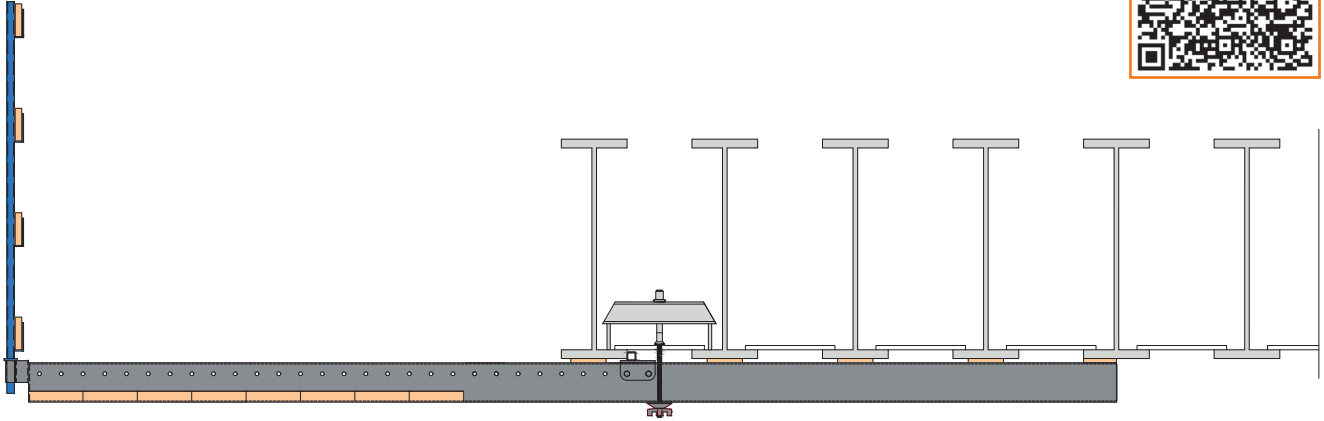
Steel composite  
bridge formwork

# Steel composite (WIB) bridges

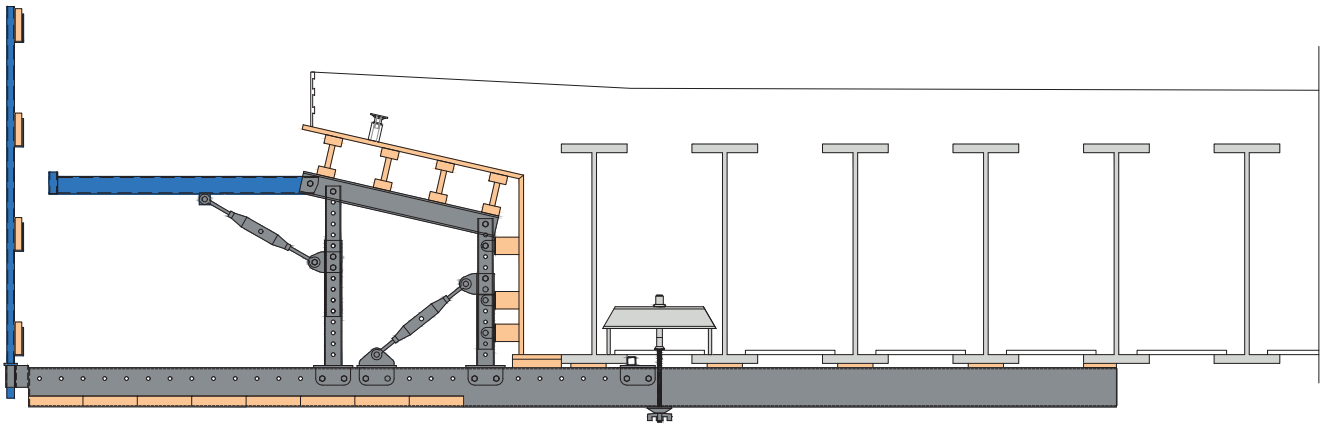
The new variable plug-in system for every WIB superstructure



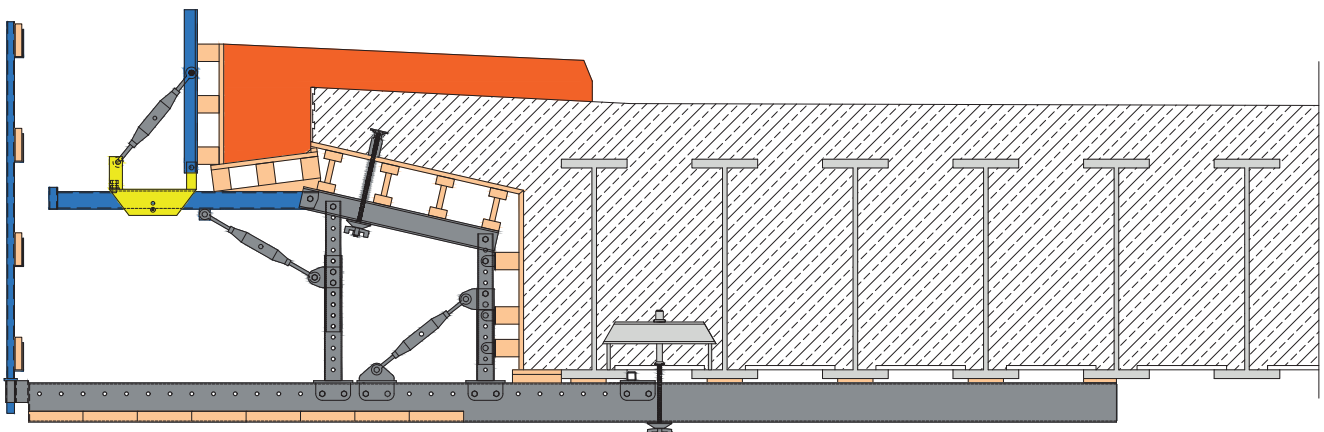
## Step 1: Assembly of the protective scaffolding



## Step 2: Assembly of the components for the superstructure formwork



## Step 3: Assembly of the components for the cap formwork





# STEEL COMPOSITE FORMWORK

## Steel composite (WIB) bridges

### WIB Varius-Flex-System

Due to the versatile plug-in system including variable hole grid, every superstructure cross section can be formed. The new WIB system can be combined/supplemented with the common Quick components.



Steel composite  
bridge formwork

# Steel composite (WIB) bridges

## Advantages:

- low construction height under the steel girder < 30 cm
- can therefore also be mounted at low clearance heights and over electrified railway lines
- optimal working on a boarded working level on site



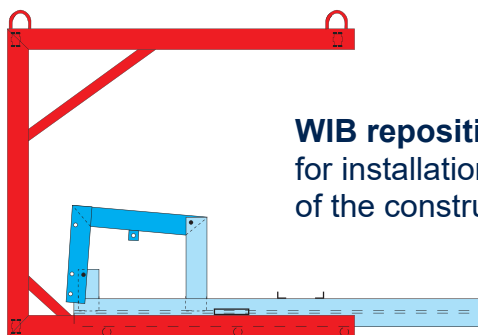
Steel composite  
bridge formwork



# STEEL COMPOSITE FORMWORK

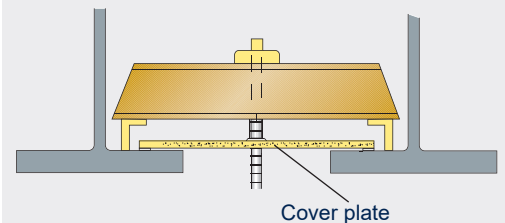
## Steel composite (WIB) bridges

Our proven system – successfully in use for many years

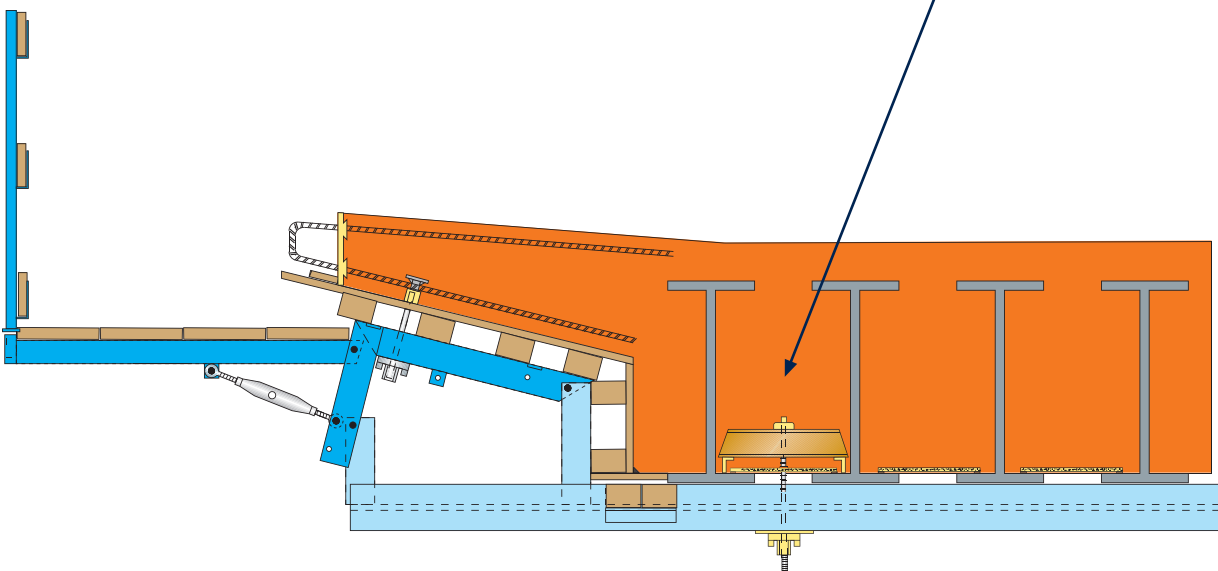


**WIB repositioning frame**  
for installation and removal  
of the construction parts

**Anchoring traverse**



### 1. Concreting section WIB superstructure cantilever arm formwork

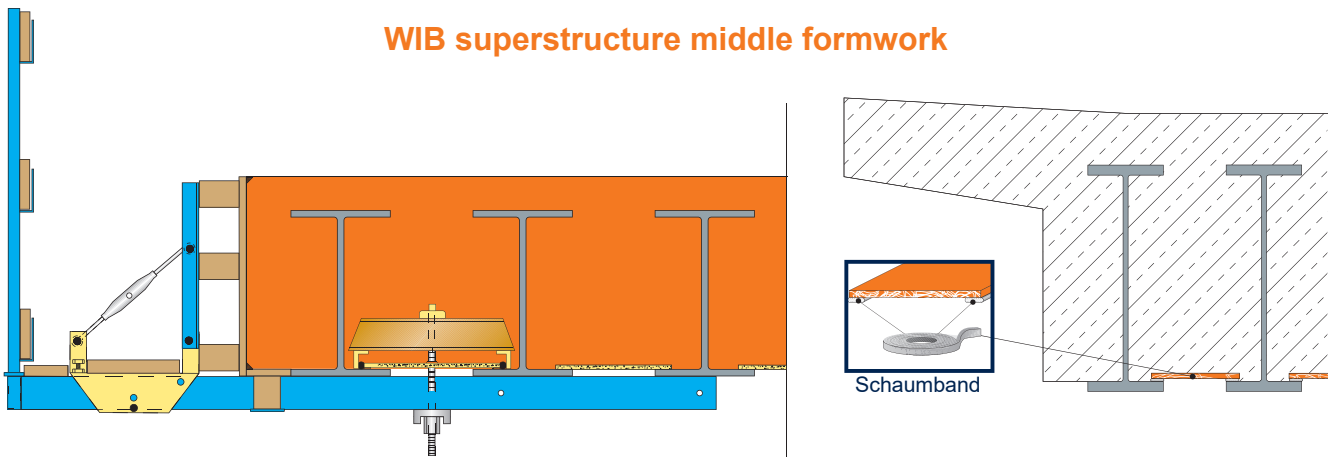




# Steel composite (WIB) bridges

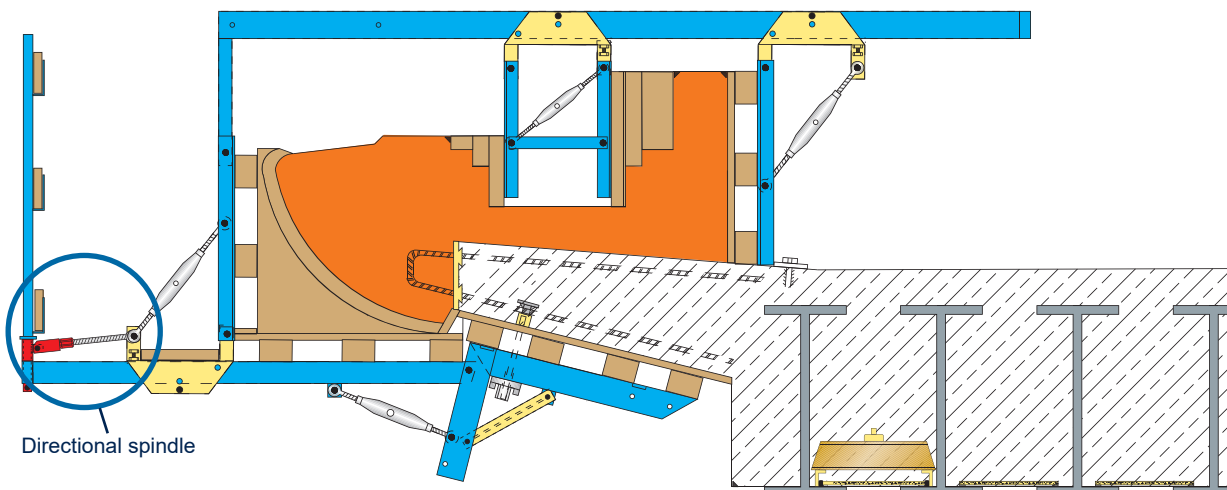


WIB superstructure middle formwork



## 2. Concreting section

WIB bridge outer cap formwork, with ballast and supply channel

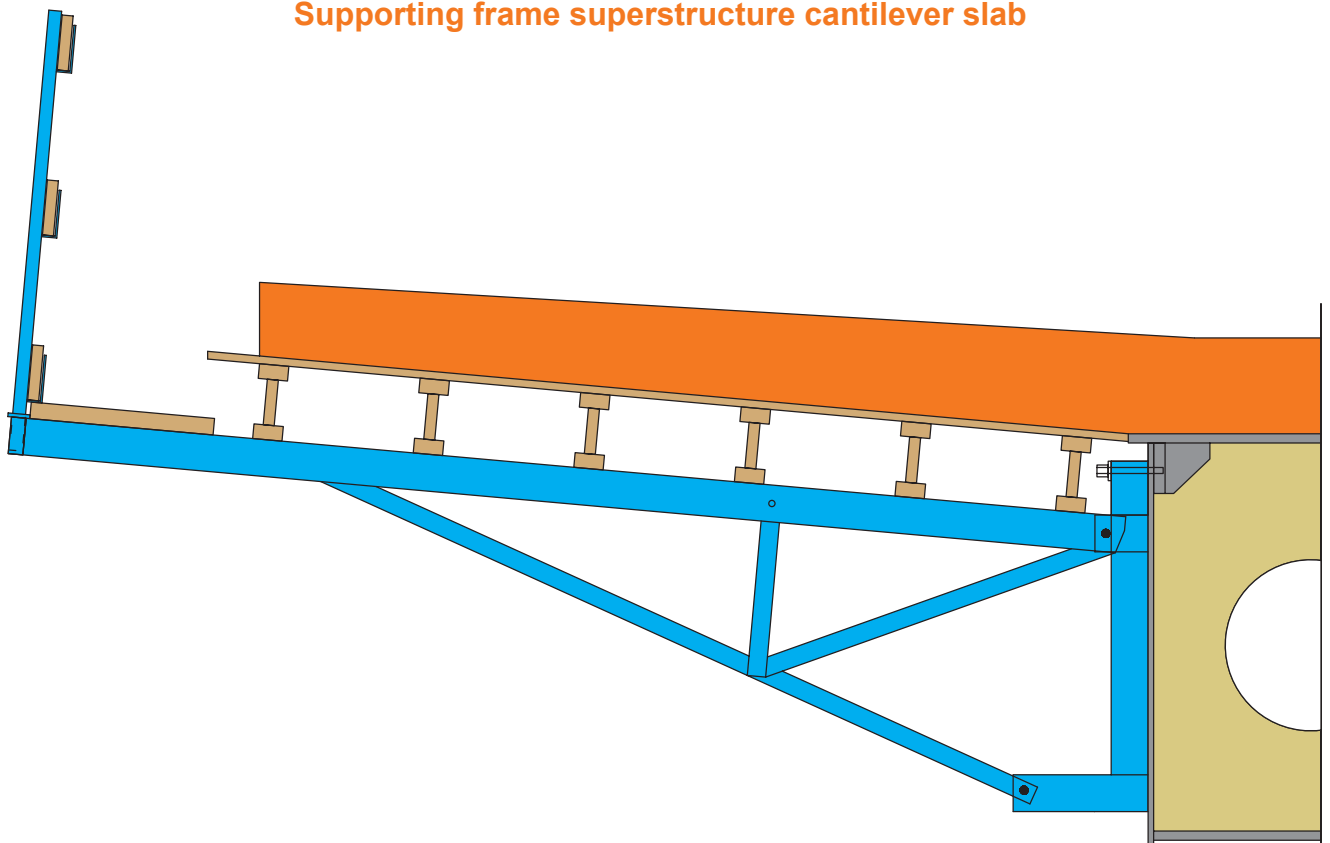


# STEEL COMPOSITE FORMWORK

## Steel composite bridges



Supporting frame superstructure cantilever slab

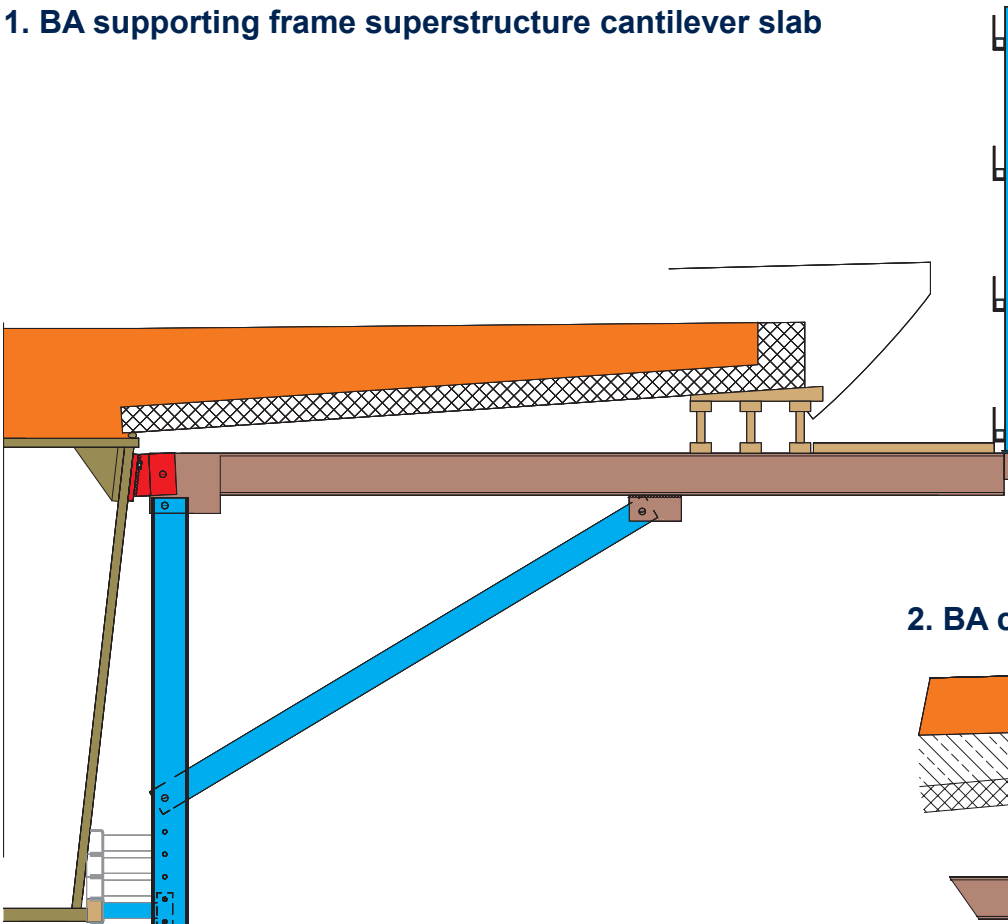




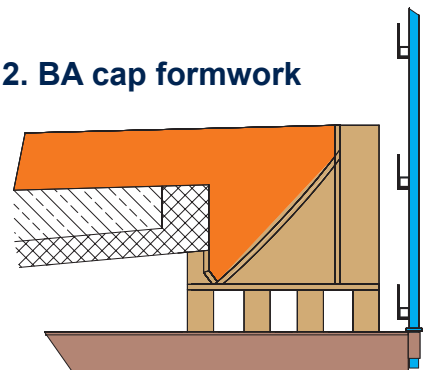
## Steel composite bridges



### 1. BA supporting frame superstructure cantilever slab



### 2. BA cap formwork



Steel composite  
bridge formwork



# STEEL COMPOSITE FORMWORK

## Steel composite bridges



Steel composite  
bridge formwork



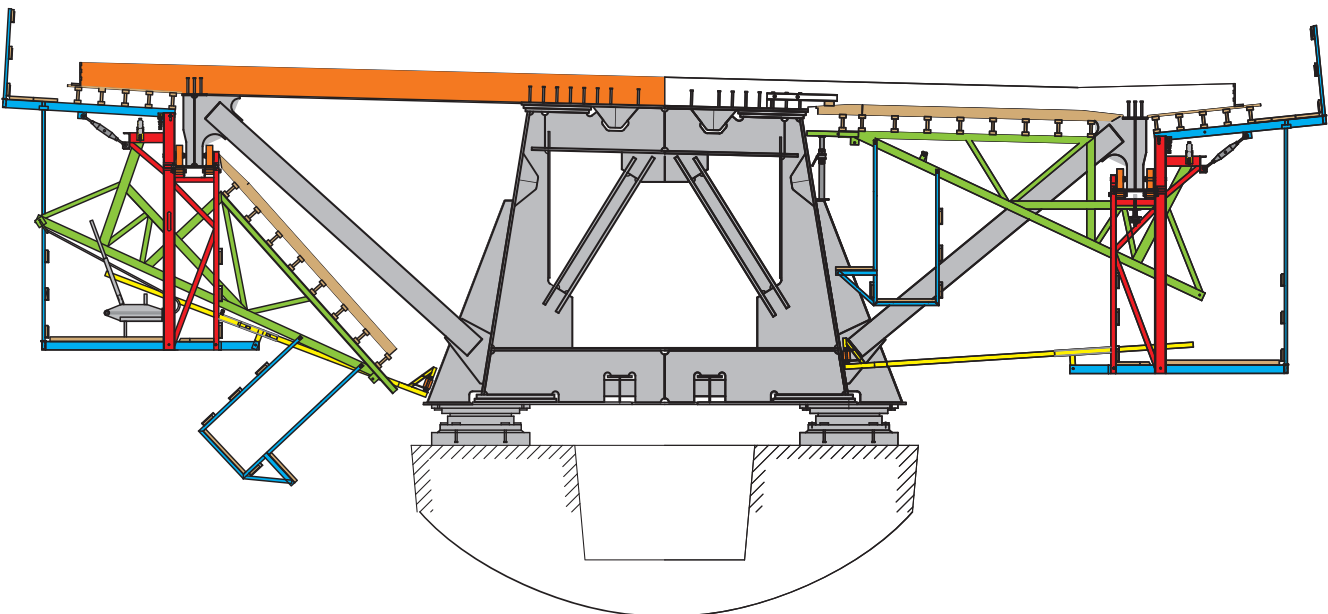
## Steel composite bridges



### Assembly condition

stripped

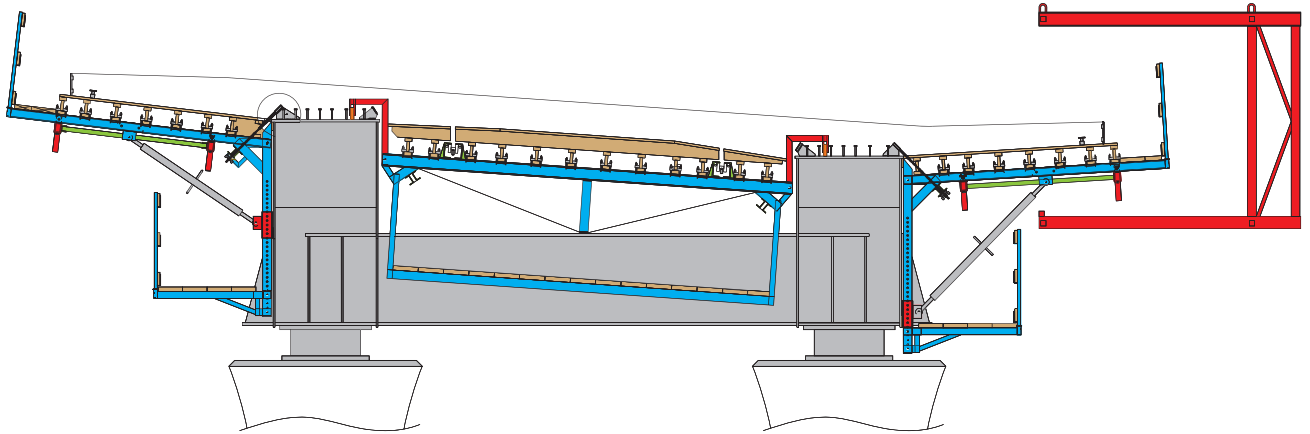
shuttered



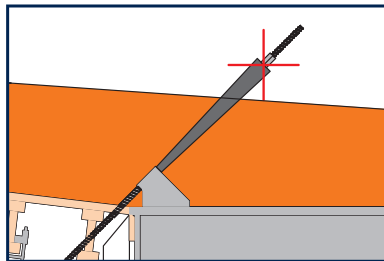
Steel composite  
bridge formwork

# STEEL COMPOSITE FORMWORK

## Steel composite bridges

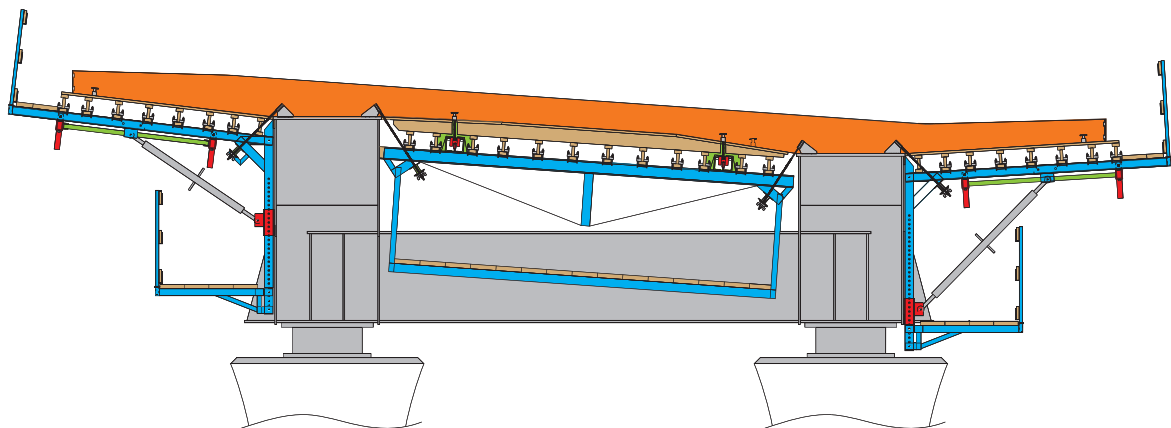


Optional movable formwork or element formwork



### Other product advantages

The anchoring lies in the concrete slab and does not protrude out of the concrete above. The carriageway plate can be constantly removed with a vibrating screed!

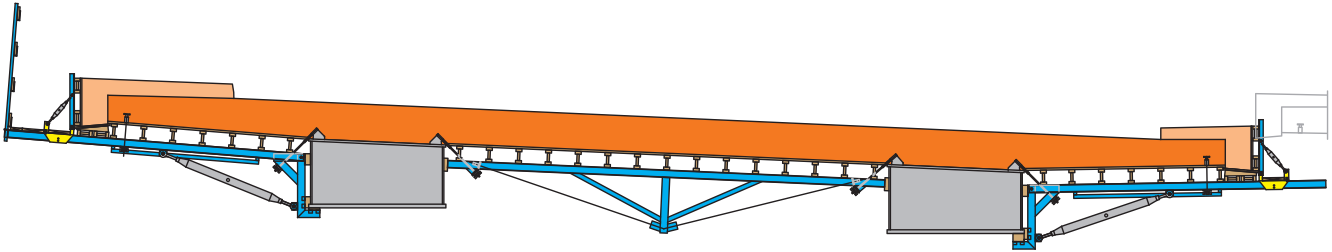


**System advantage: No obstacles – free working surface**  
The surface can be removed with a vibrating screed.



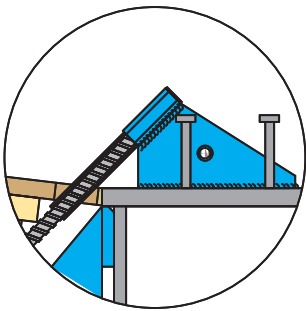
# Steel composite bridges

## Flat bridge cross section

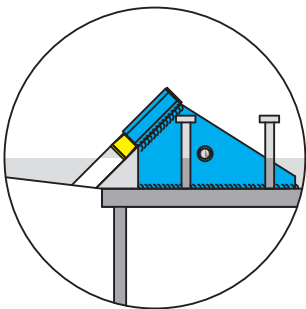


## Anchoring examples on the hollow box

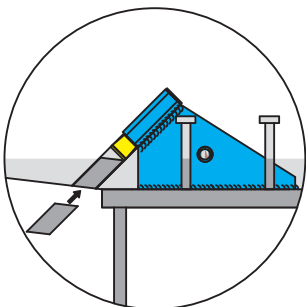
### Example 1: Welding bracket



#### 1. System anchored

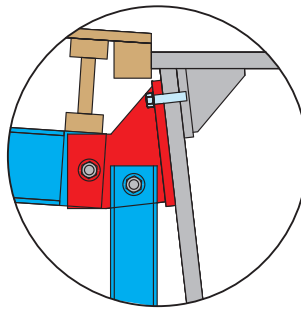


#### 2. Anchor screwed out

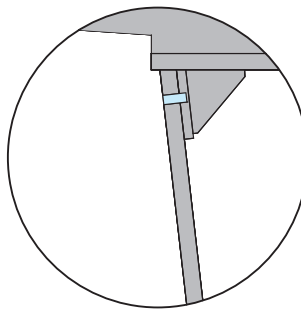


#### 3. Closure with plug or mortar

### Example 2: screwed



#### 1. System anchored



#### 2. Closure with plug







## CHAPTER 4.1

## PAGE

### Fall protection

#### ASU-system

84 - 87

## CHAPTER 4.2

### Assembly, working and inspection platforms

#### Mobil type

88 - 89

#### Handy type

90 - 93

#### Big Handy type

94 - 97

#### Mammut type

98 - 101

#### Type M (middle cap)

102 - 107

#### Suspension railway type

108 - 109

#### Special solutions

110 - 116

## CHAPTER 4.3

### Parts list

118 - 130

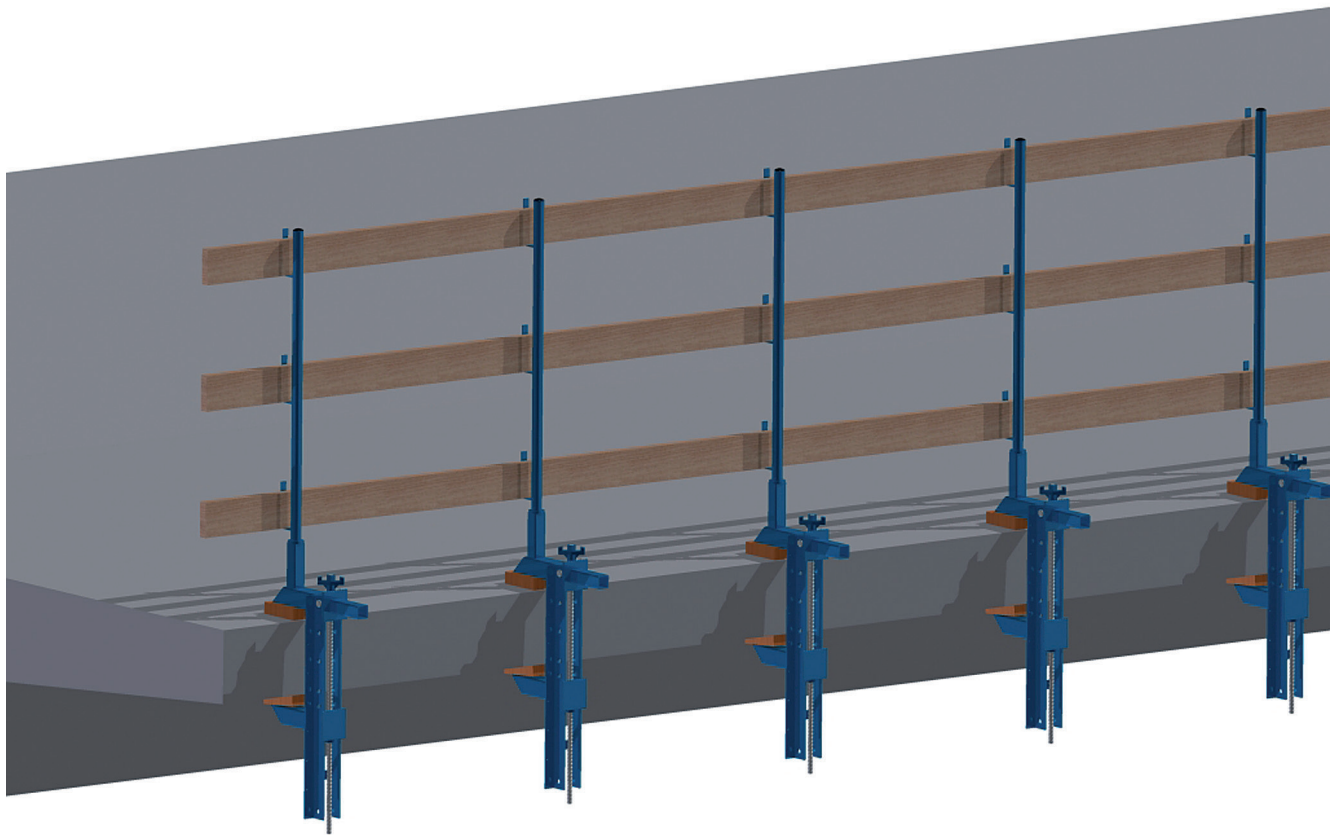


# FALL PROTECTION

## ASU system

### Fall protection / ASU system

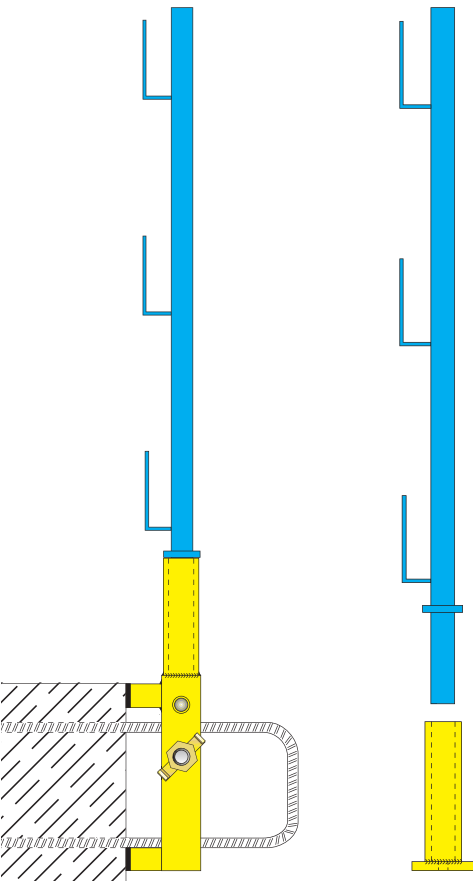
- Safety in all phases of the construction process
- Variable mounting option
- Utility model protection



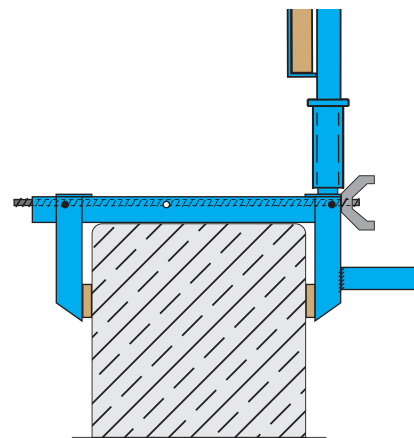
**The Quick ASU system guarantees safety in all phases of the construction process:**

- on the superstructure formwork
- on the completed superstructure, particularly when taping off the superstructure
- when forming the cap
- after completion of the cap

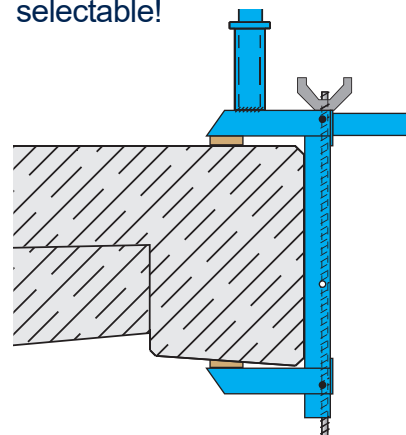
## ASU system



**Baluster 120 (180)**



**ASU clamp (horizontal installation)**  
Adjustment range from 60 to 120 cm  
selectable!

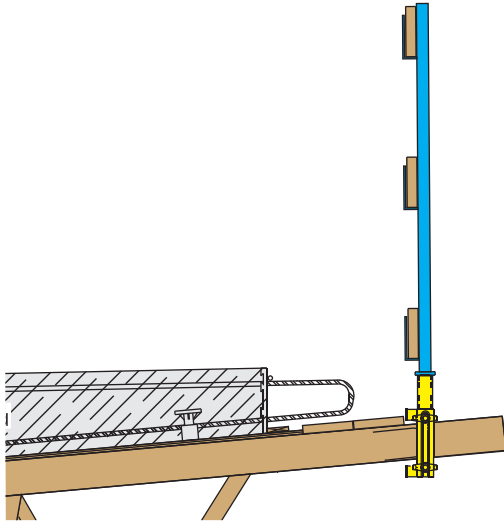


**ASU clamp (vertical installation)**

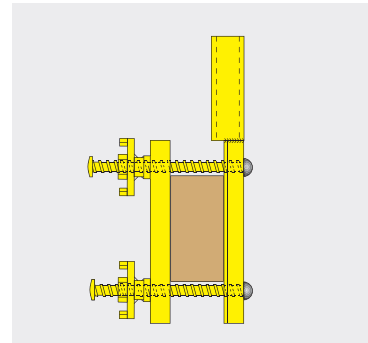
# FALL PROTECTION

## ASU system

### Shuttered superstructure

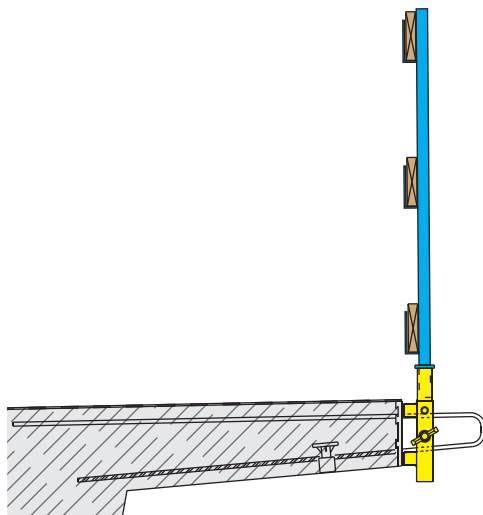


**CLOU 100** with baluster

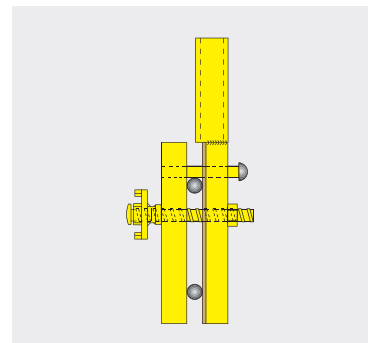


**CLOU 100** front view

### Stripped superstructure



**CLOU 30 or 100** with baluster

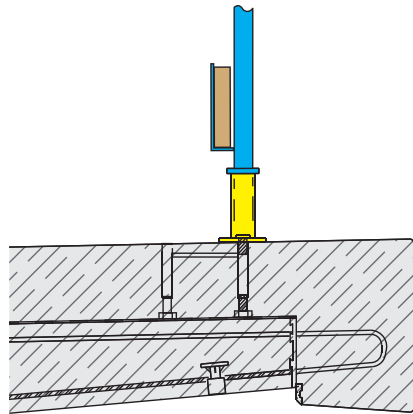


**CLOU 30** front view

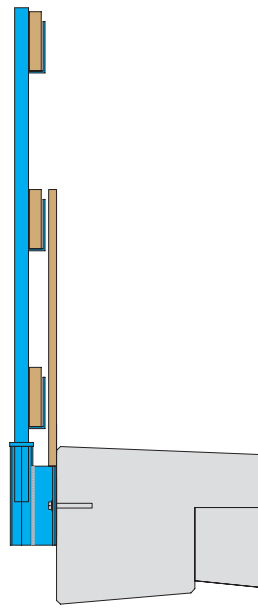


# ASU system

## Concreted cap



## Adapter with baluster

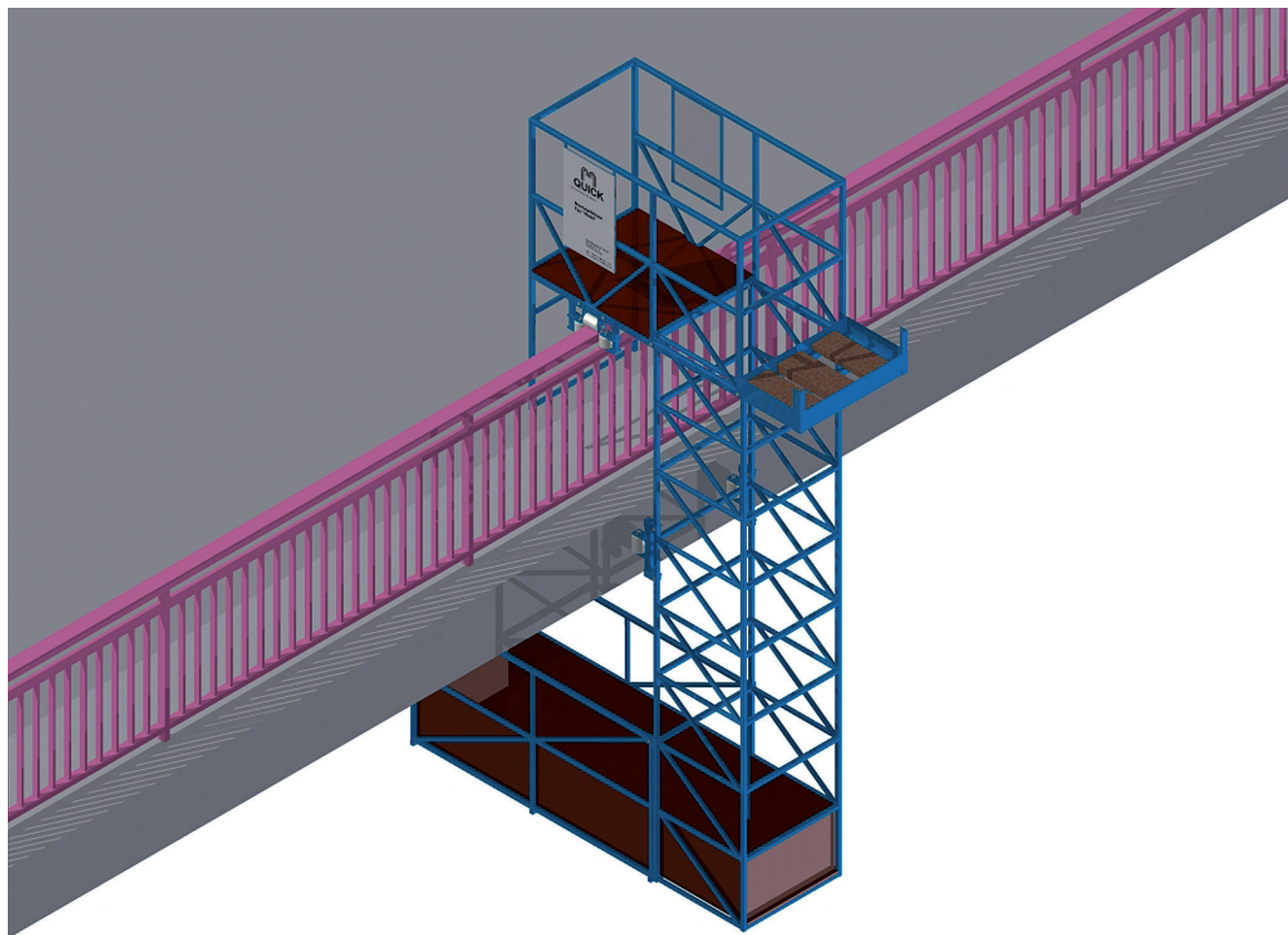


## Dowel adapter with baluster



## Coating work on caps with renewal of the bridge railing

## Mobil type



Mobil type



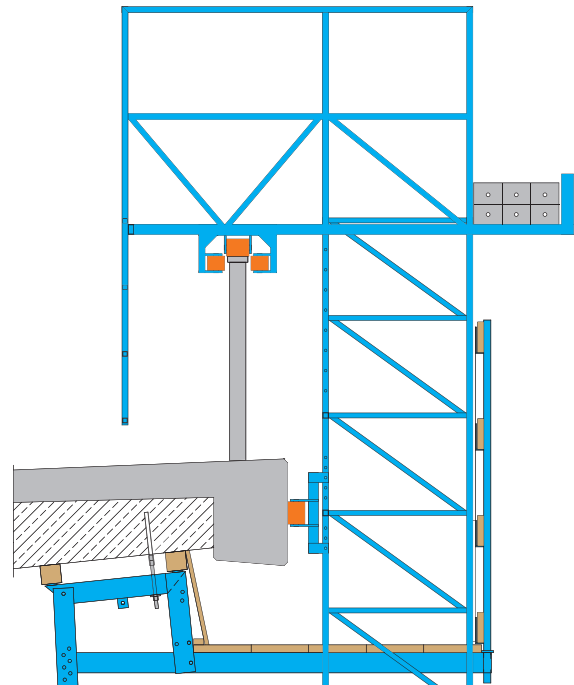
# INSPECTION PLATFORMS

## Mobil type



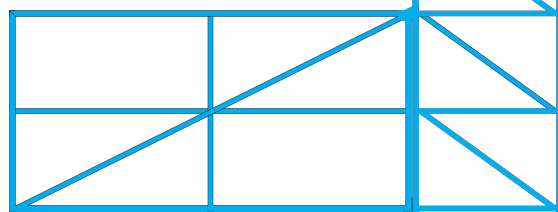
### Technical data:

Size of working platform:	1.6 m <sup>2</sup>
Maximum height adjustment:	80 cm
Net weight without ballast:	210 kg
Ballast:	300 kg
Sum:	510 kg
Maximum traffic load:	200 kg



### Statics

MOBIL, statically tested as per DIN 4420 in compliance with the scaffolding regulations, working and safety scaffolding Part 1, edition 03.80 with 100 kg/m<sup>2</sup> working load

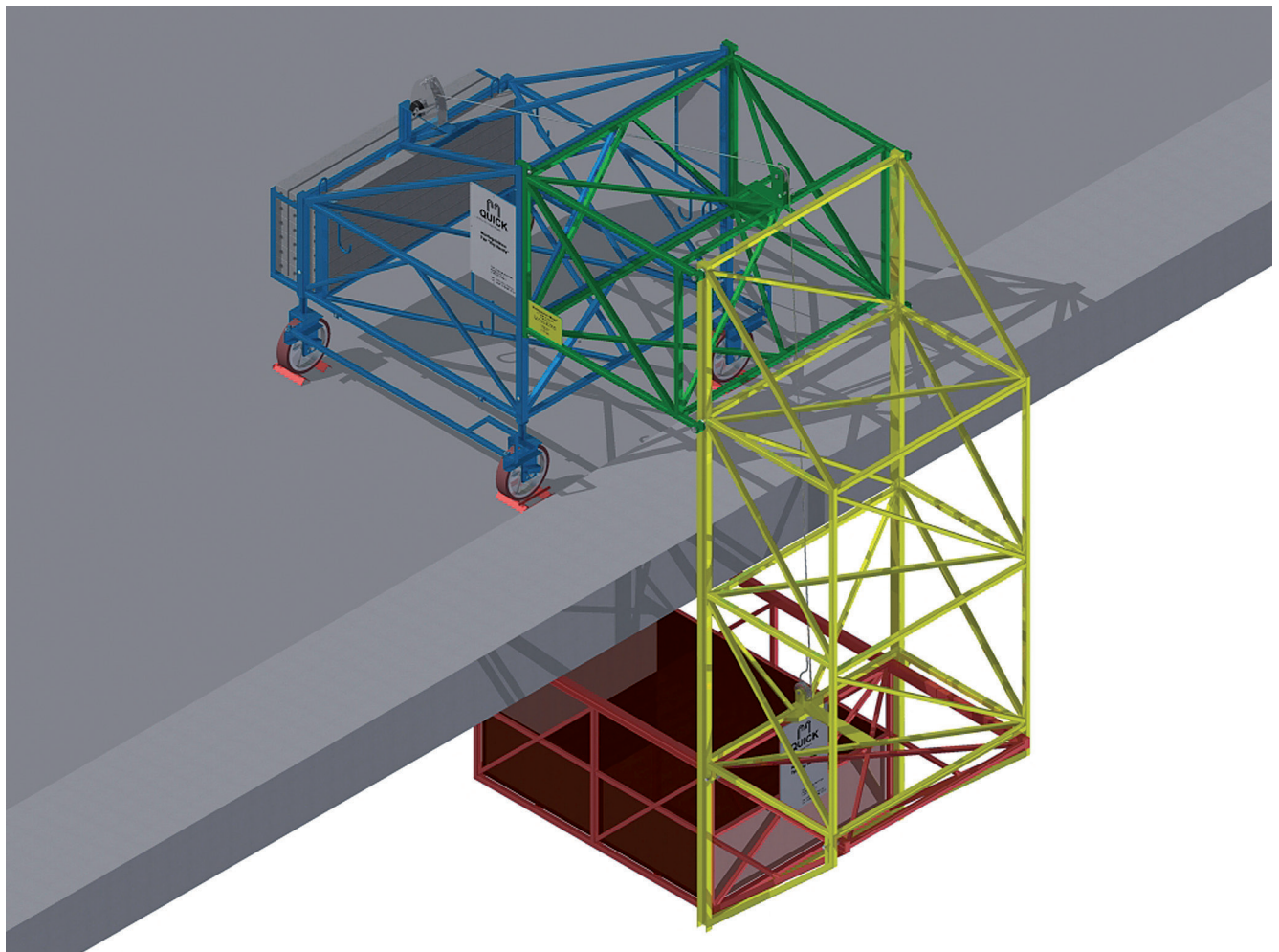




## Handy type

### Handy type

- Working platform with different dimensions and payloads
- Adaptable according to requirement, little space required
- Extendable cantilever arm and platform
- Light, handy, loadable, quickly assembled and disassembled (crane assembly)



## Handy type



### The strengths of HANDY

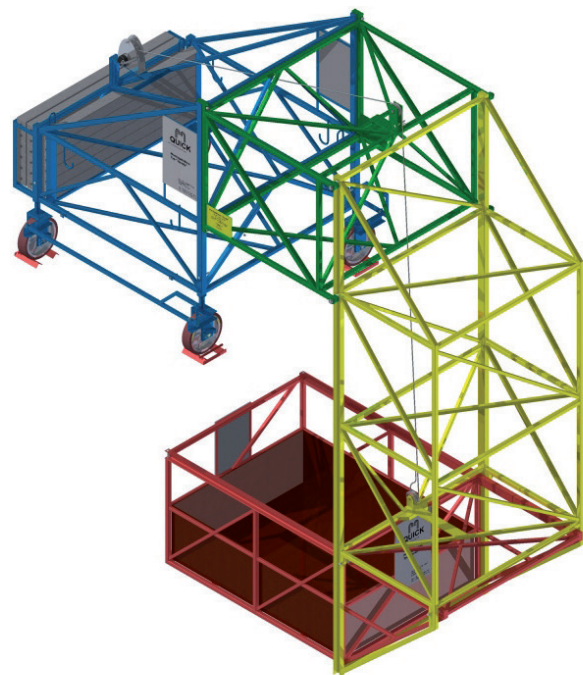
- very light
- handy
- quickly assembled and disassembled
- quickly realized
- little space required
- highly loadable

### Statics

HANDY, statically tested as per DIN 4420 in compliance with the scaffolding regulations, working and safety scaffolding Part 1, edition 03.80 with 100 kg/m<sup>2</sup> working load

#### Technical data:

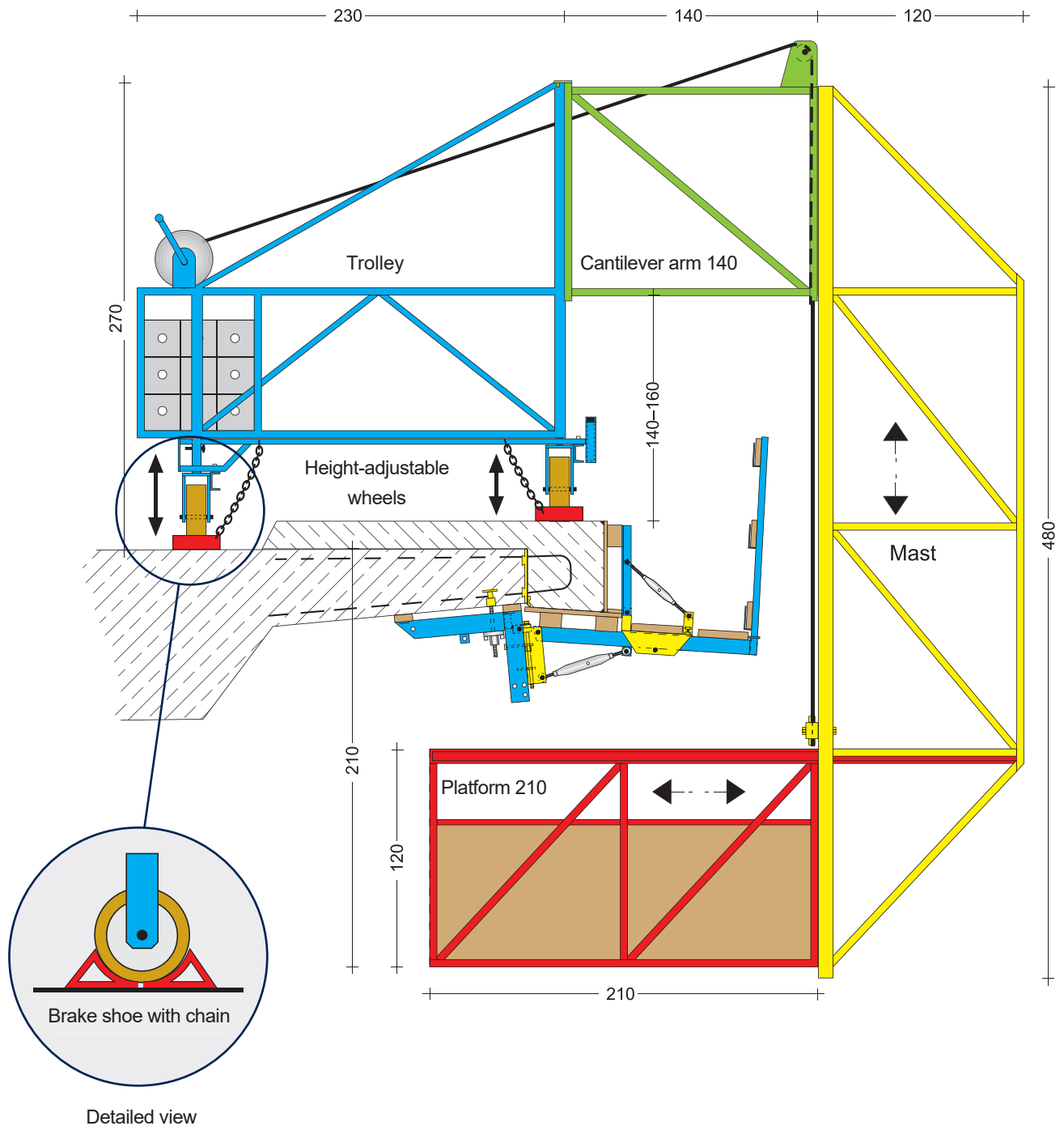
Size of working platform:	3m <sup>2</sup>
Net weight without ballast:	600 kg
Ballast:	880 kg
Sum:	1,480 kg
Maximum traffic load:	300 kg



# ASSEMBLY, WORKING AND

## Handy type

Side view

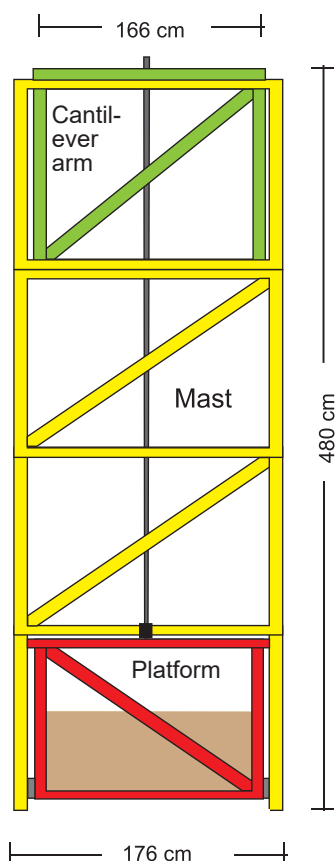




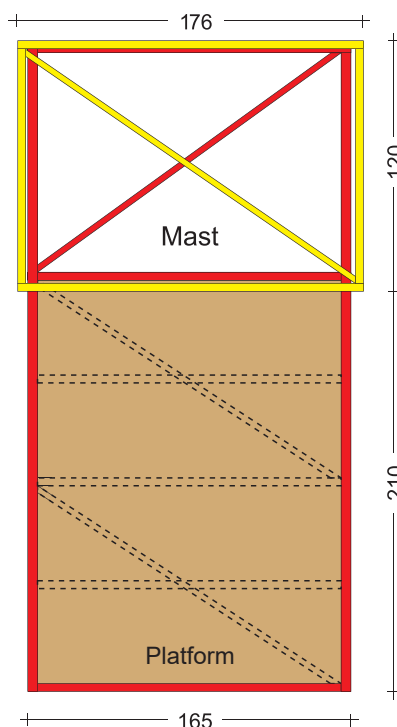
# INSPECTION PLATFORMS

## Handy type

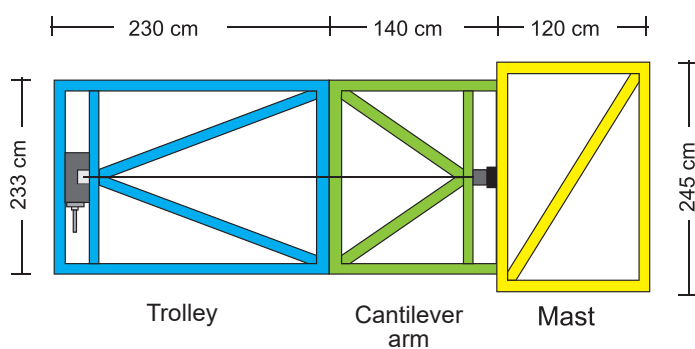
Front view



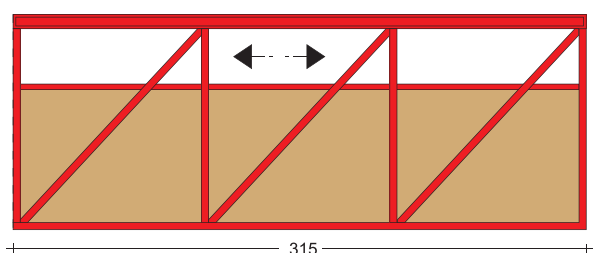
Platform, top view



Total top view

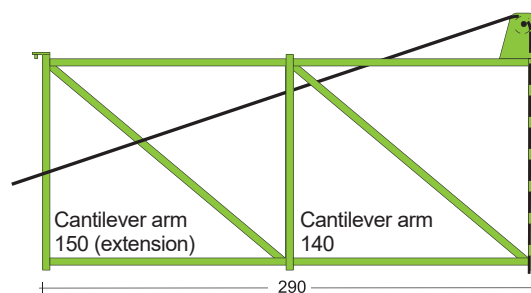


### Extensions



Cantilever arm, extended

and / or

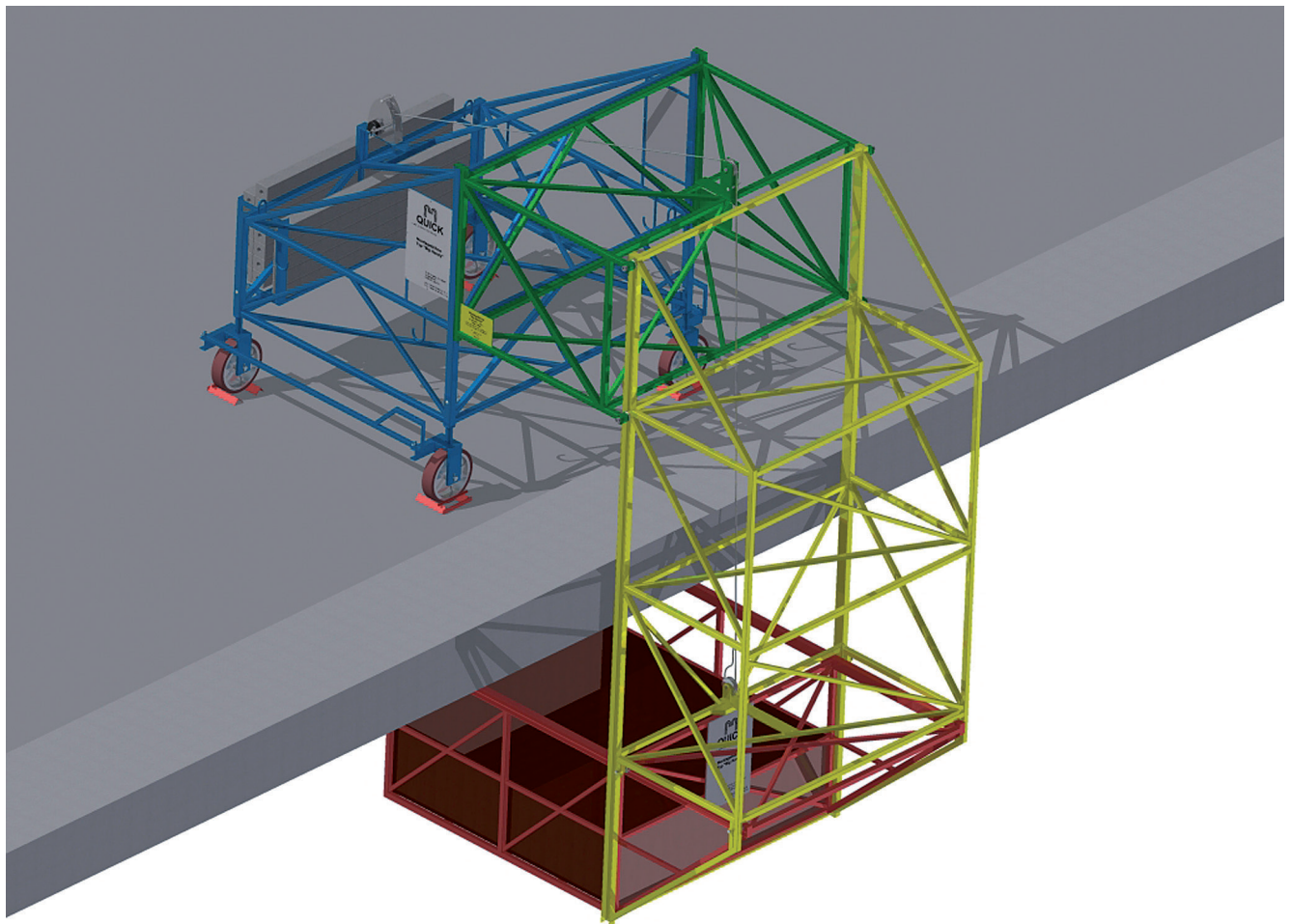


Cantilever arm, extended

## Big Handy type

### Big Handy type

- Working platform with different dimensions and payloads
- Adaptable according to requirement, little space required
- Extendable cantilever arm and platform
- Light, handy, loadable, quickly assembled and disassembled (crane assembly)



The drawer system – a unique platform function technology

## Big Handy type



### The strengths of Big Handy

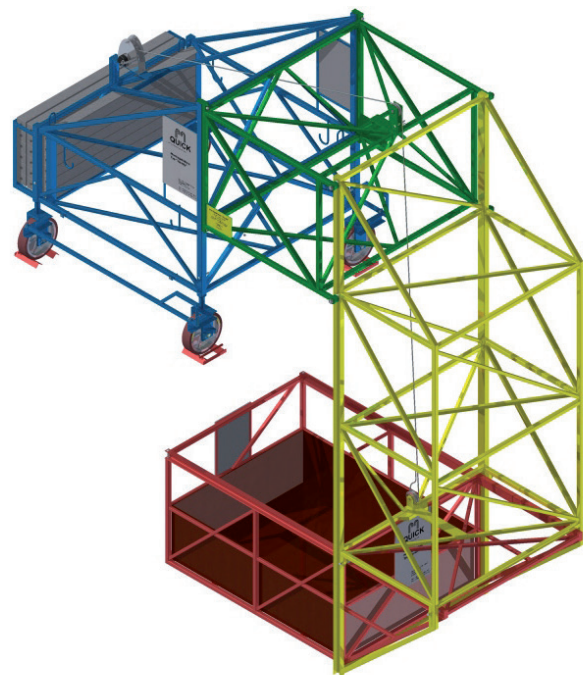
- very light
- handy
- quickly assembled and disassembled
- quickly realized
- little space required
- highly loadable

### Statics

Big Handy, statically tested as per DIN 4420 in compliance with the scaffolding regulations, working and safety scaffolding Part 1, edition 03.80 with 100 kg/m<sup>2</sup> working load

#### Technical data:

Size of working platform:	5.25 m <sup>2</sup>
Net weight without ballast:	925 kg
Ballast:	1,000 kg
Sum:	1,925 kg
Maximum traffic load:	500 kg

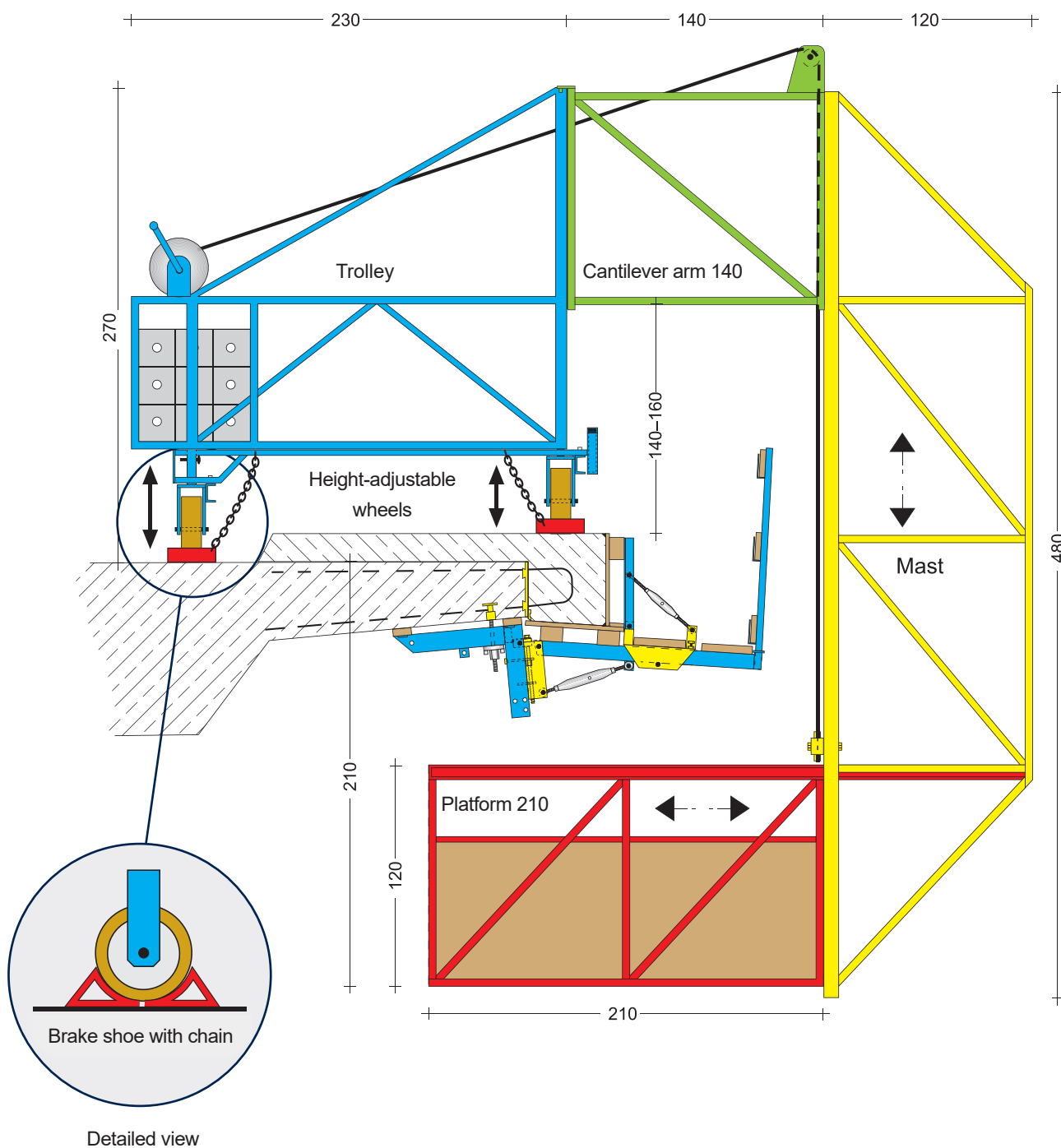




# ASSEMBLY, WORKING AND

## Big Handy type

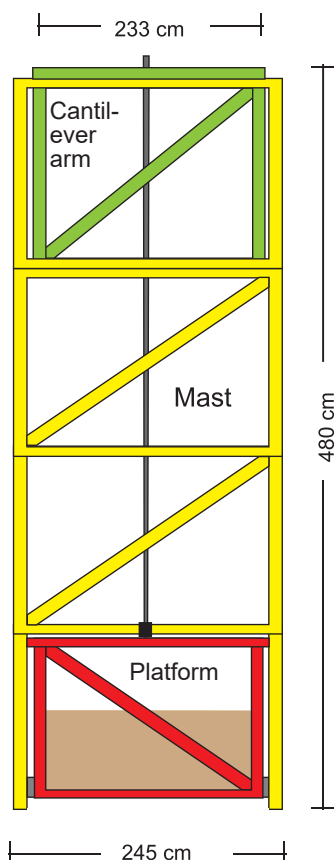
Side view



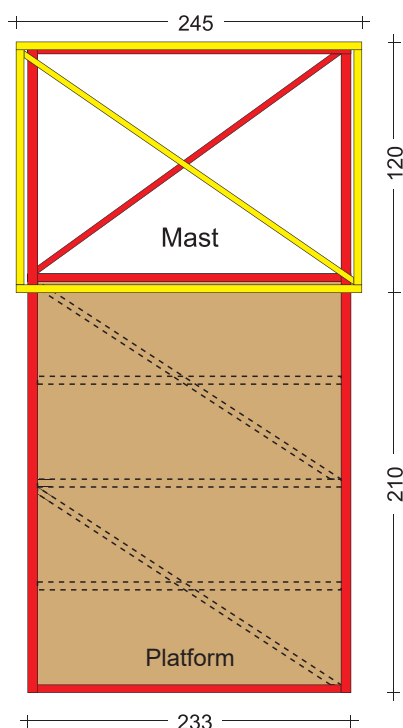
# INSPECTION PLATFORMS

## Big Handy type

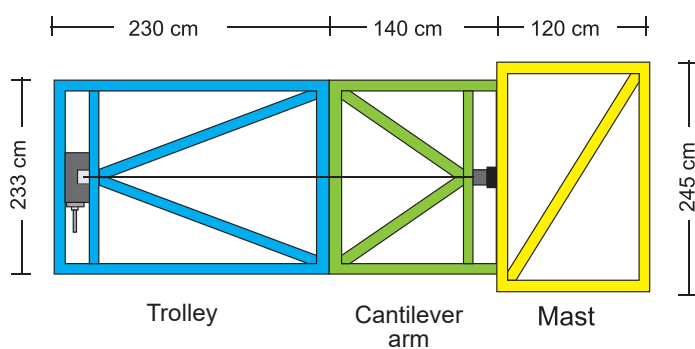
Front view



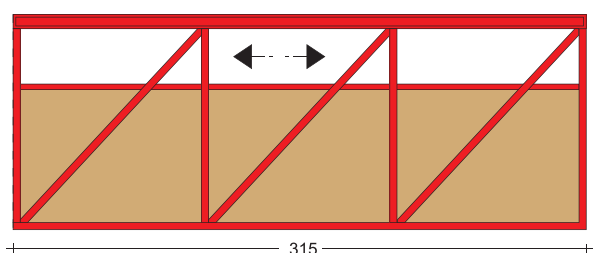
Platform, top view



Total top view

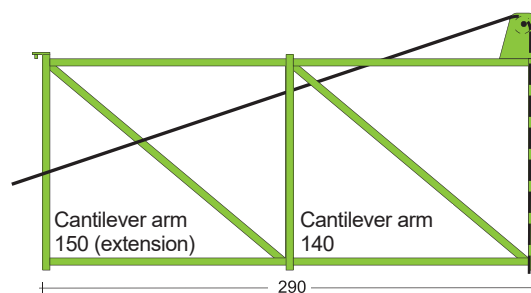


### Extensions



Cantilever arm, extended

and / or

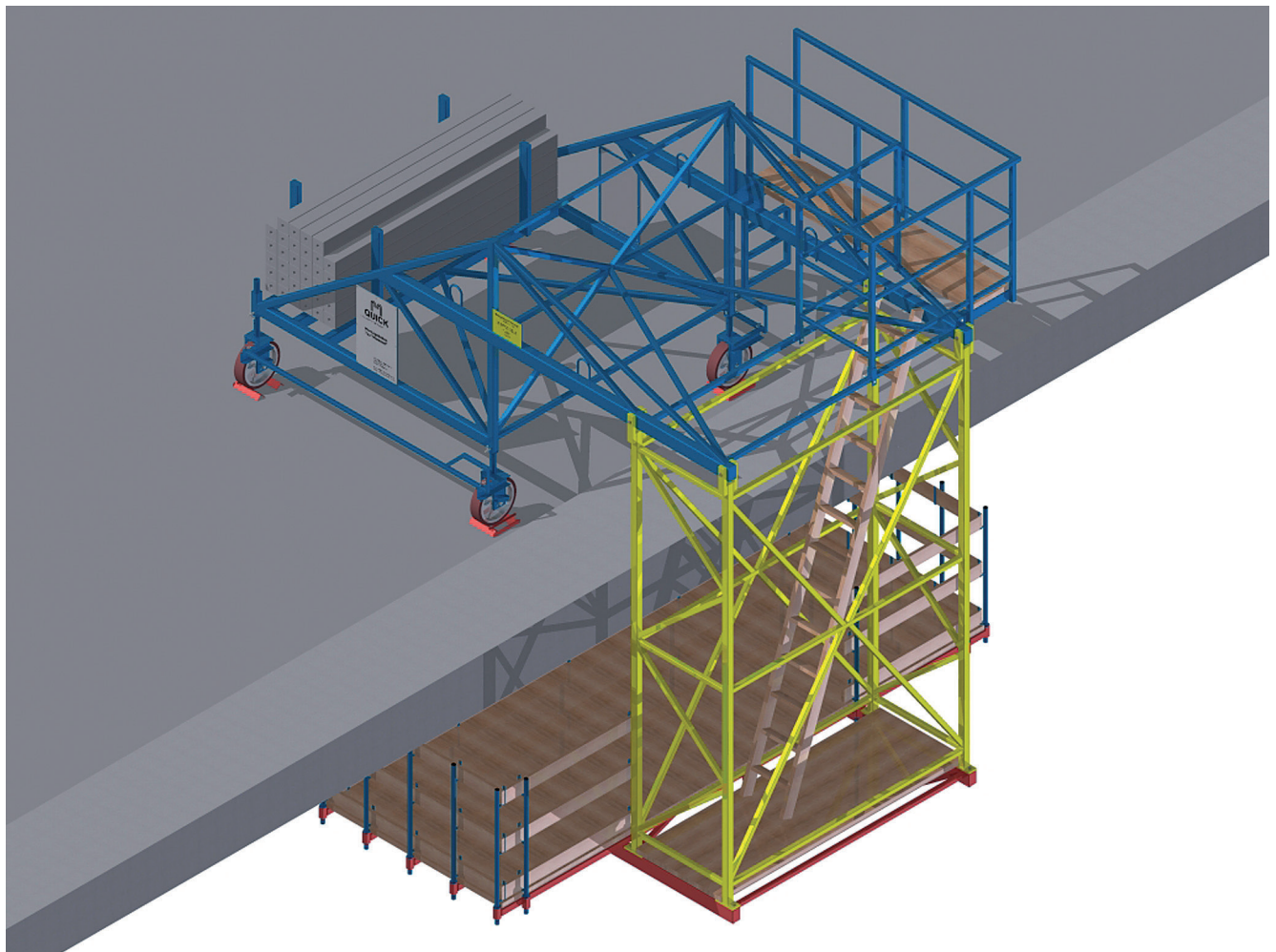


Cantilever arm, extended

## Mammut type

### Mammut type

- Working platform with different dimensions and payloads
- Adaptable according to requirement, little space required
- Extendable cantilever arm and platform
- Light, handy, loadable, quickly assembled and disassembled (crane assembly)



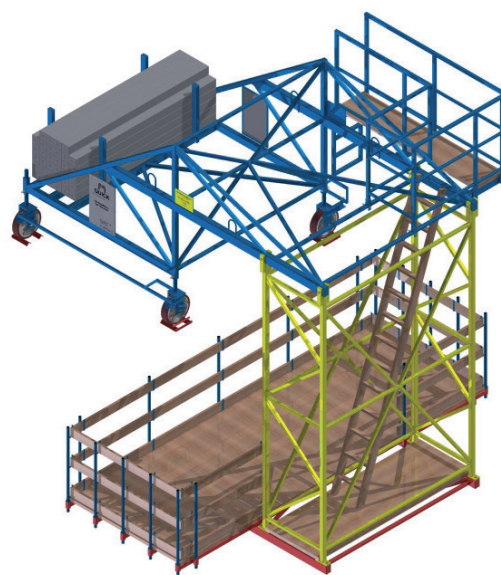


# INSPECTION PLATFORMS

## Mammut type



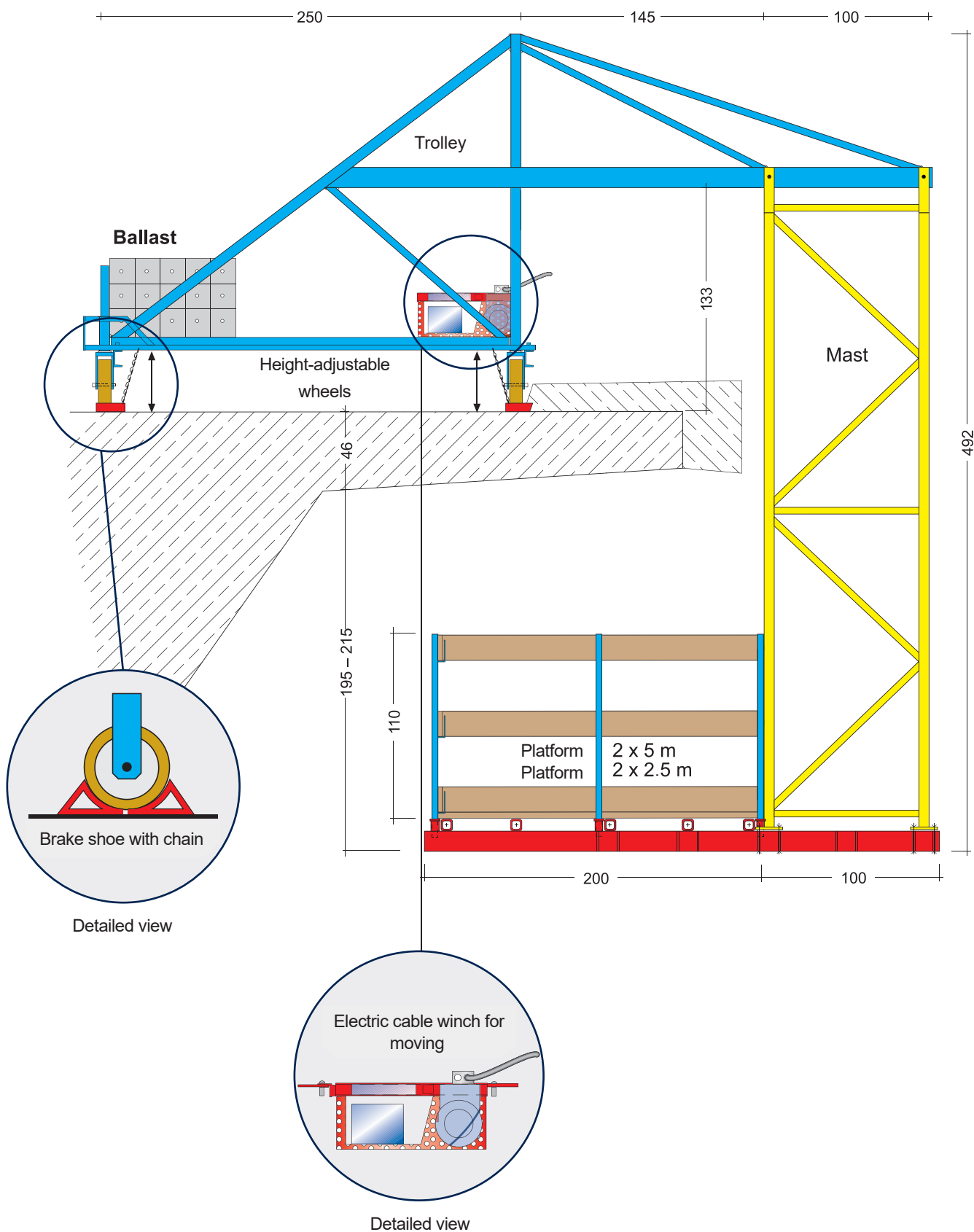
Technical data:	2.5 m platform	5.0 m platform
Size of working platform:	5.25 m <sup>2</sup>	10 m <sup>2</sup>
Net weight without ballast:	925 kg	1,100 kg
Ballast:	1,000 kg	1,320 kg
Sum:	1,925 kg	2,420 kg
Maximum traffic load:	500 kg	1,500 kg



# ASSEMBLY, WORKING AND

## Mammut type

Side view

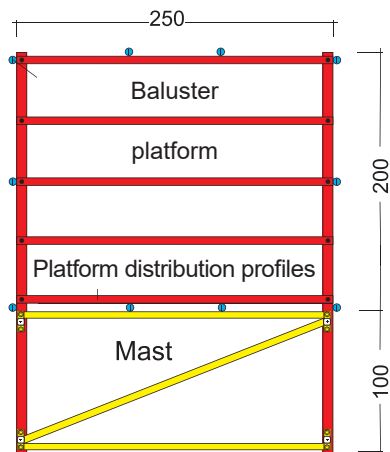


# INSPECTION PLATFORMS

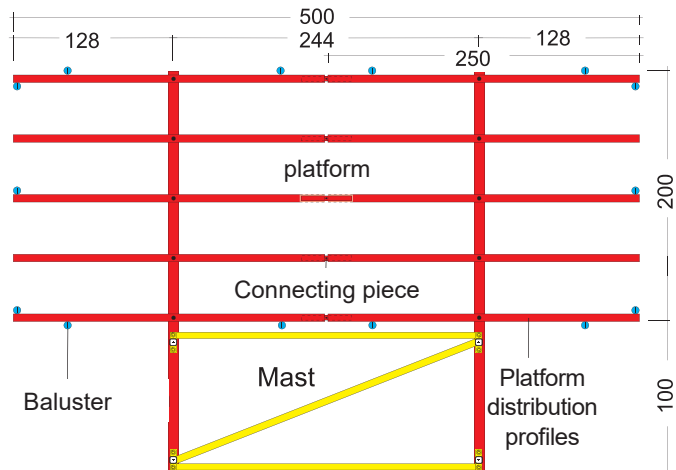
## Mammut type

### Top views

Platform 250 (without platform covering)

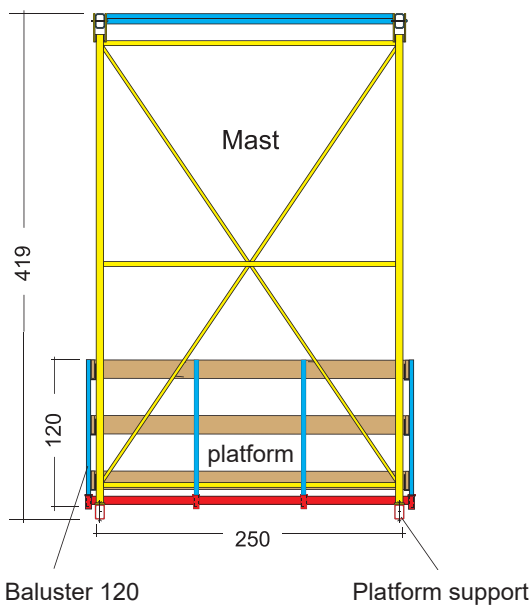


Platform 500 (without platform covering)

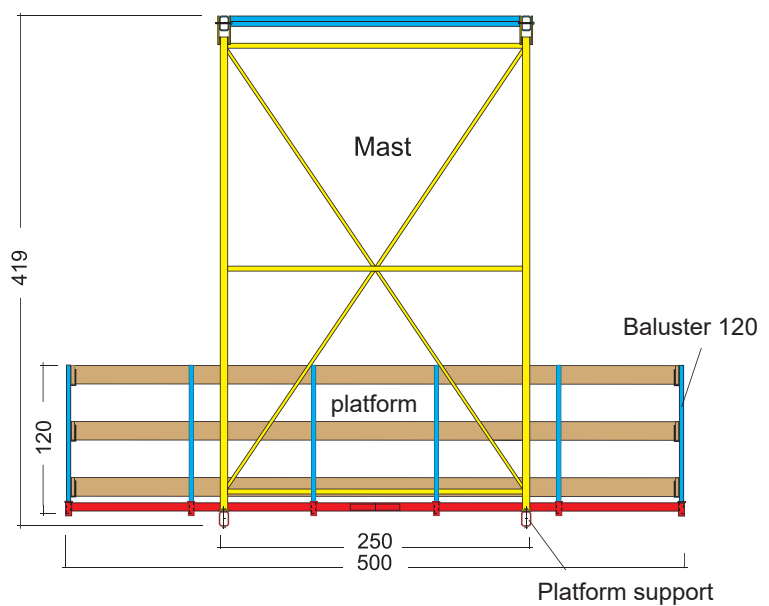


### Front views

Mast and platform 250



Mast and platform 500

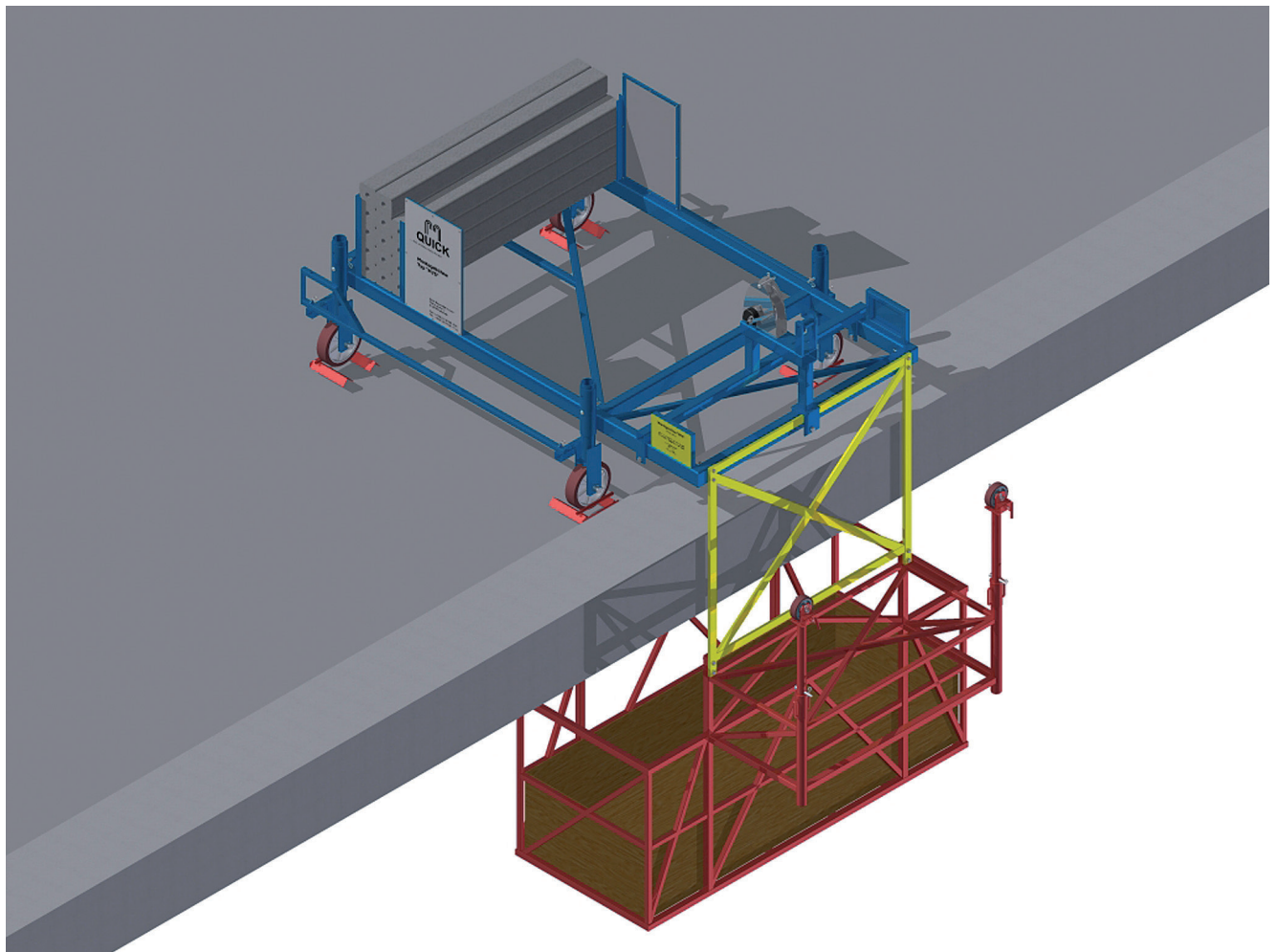




## Type M 75 middle cap

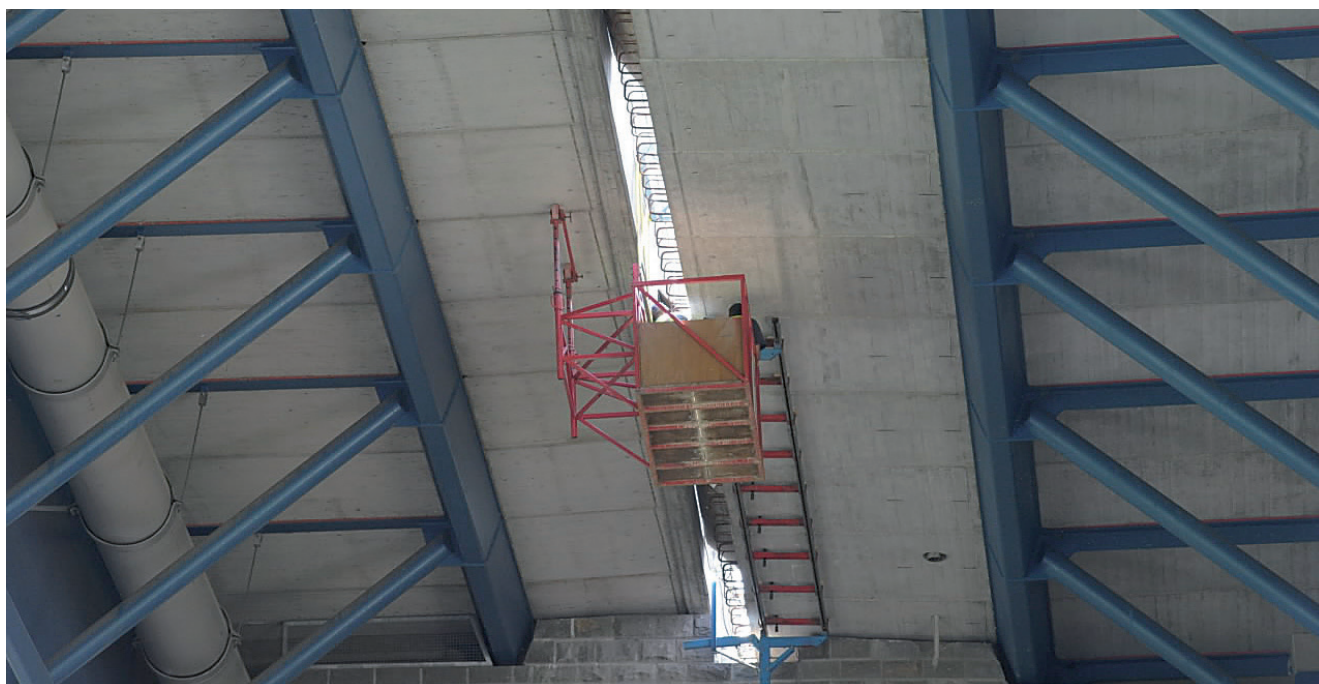
### Type M 75 middle cap

- Light and stable
- Fast assembly
- For very narrow joints

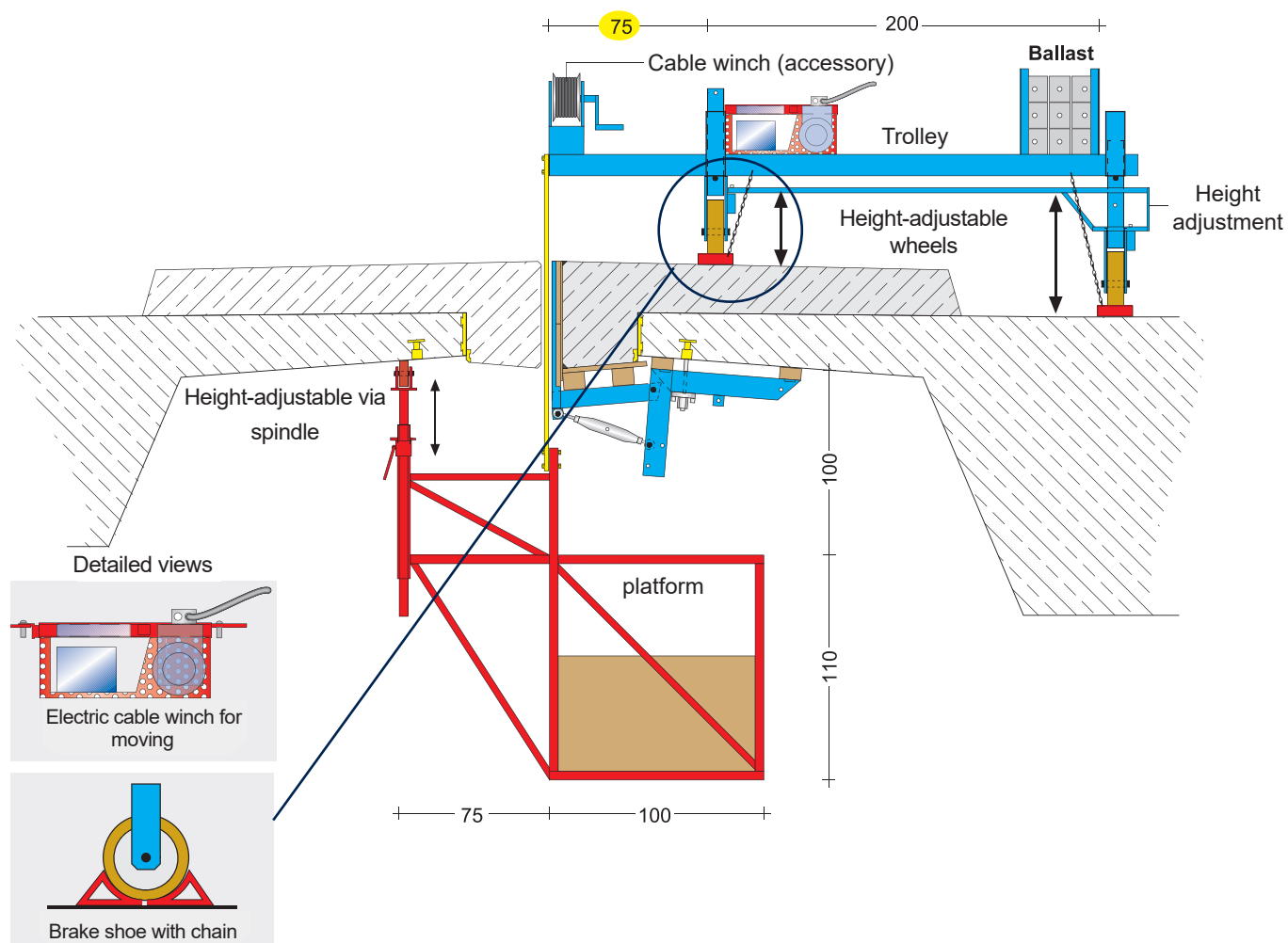


# INSPECTION PLATFORMS

## Type M 75 middle cap



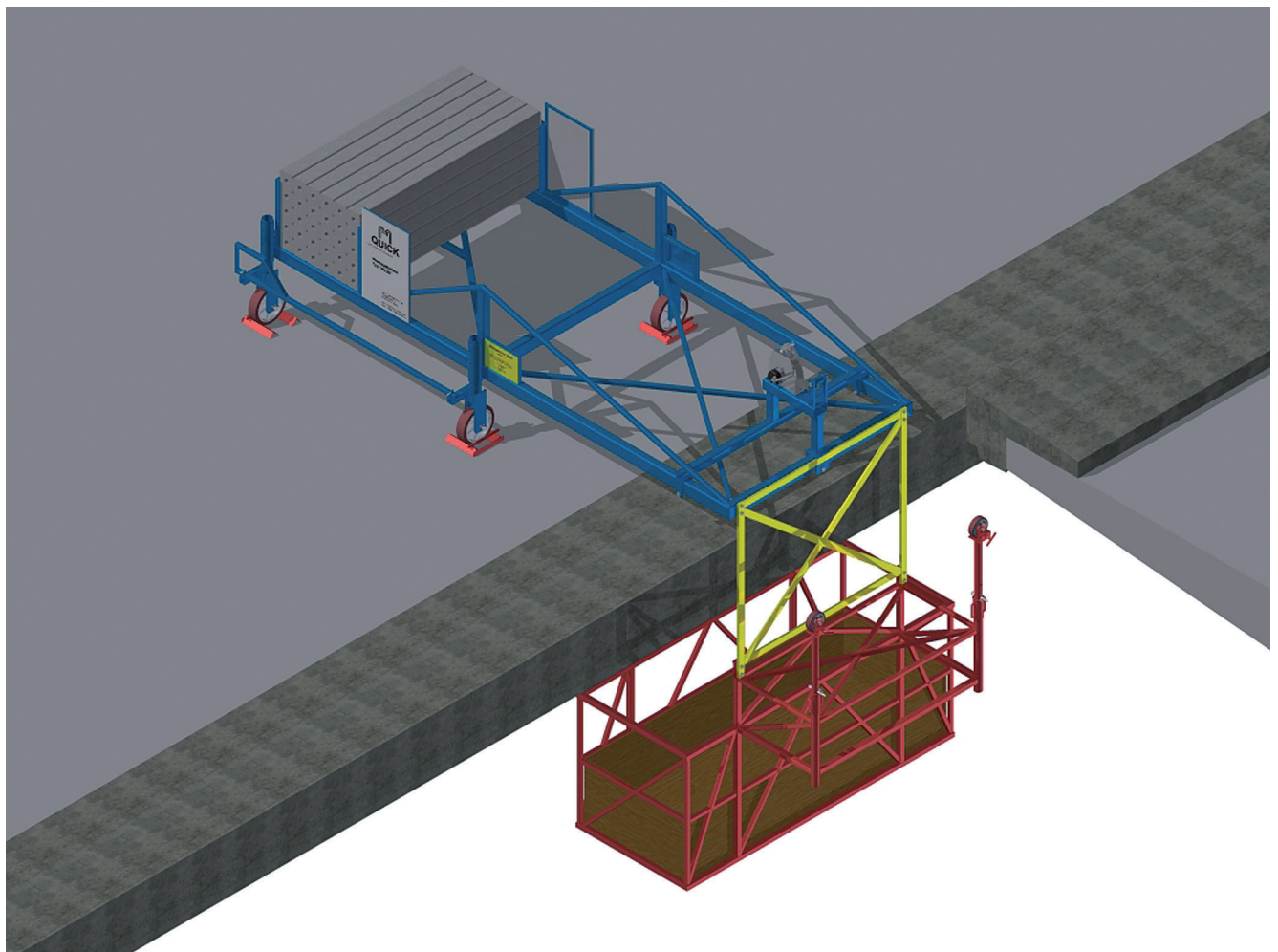
Assembly platform M 75 with a 75 cm cantilever arm



## Type M 220 middle cap

### Type M 220 middle cap

- Light and stable
- Fast assembly
- For very narrow joints



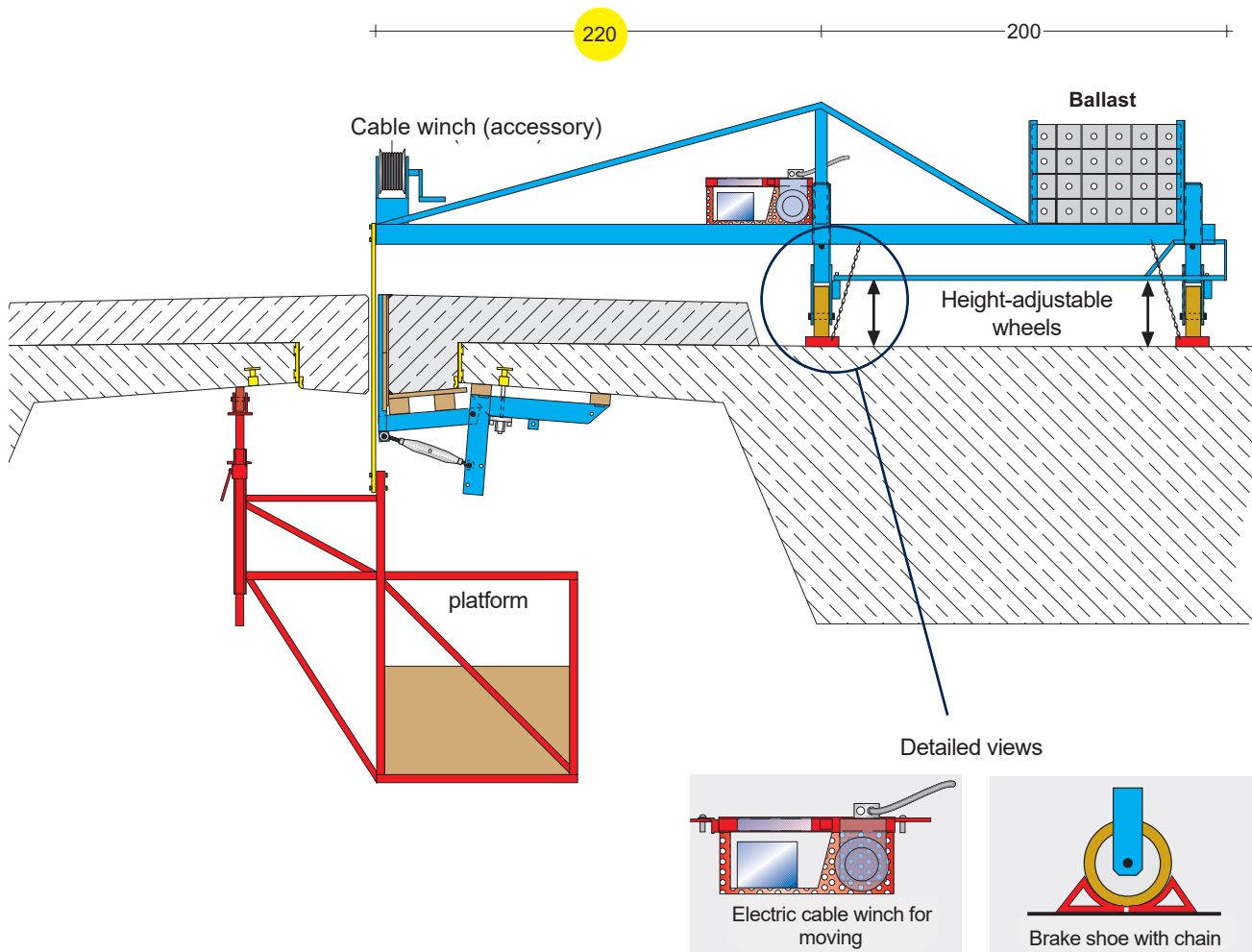


# INSPECTION PLATFORMS

## Type M 220 middle cap



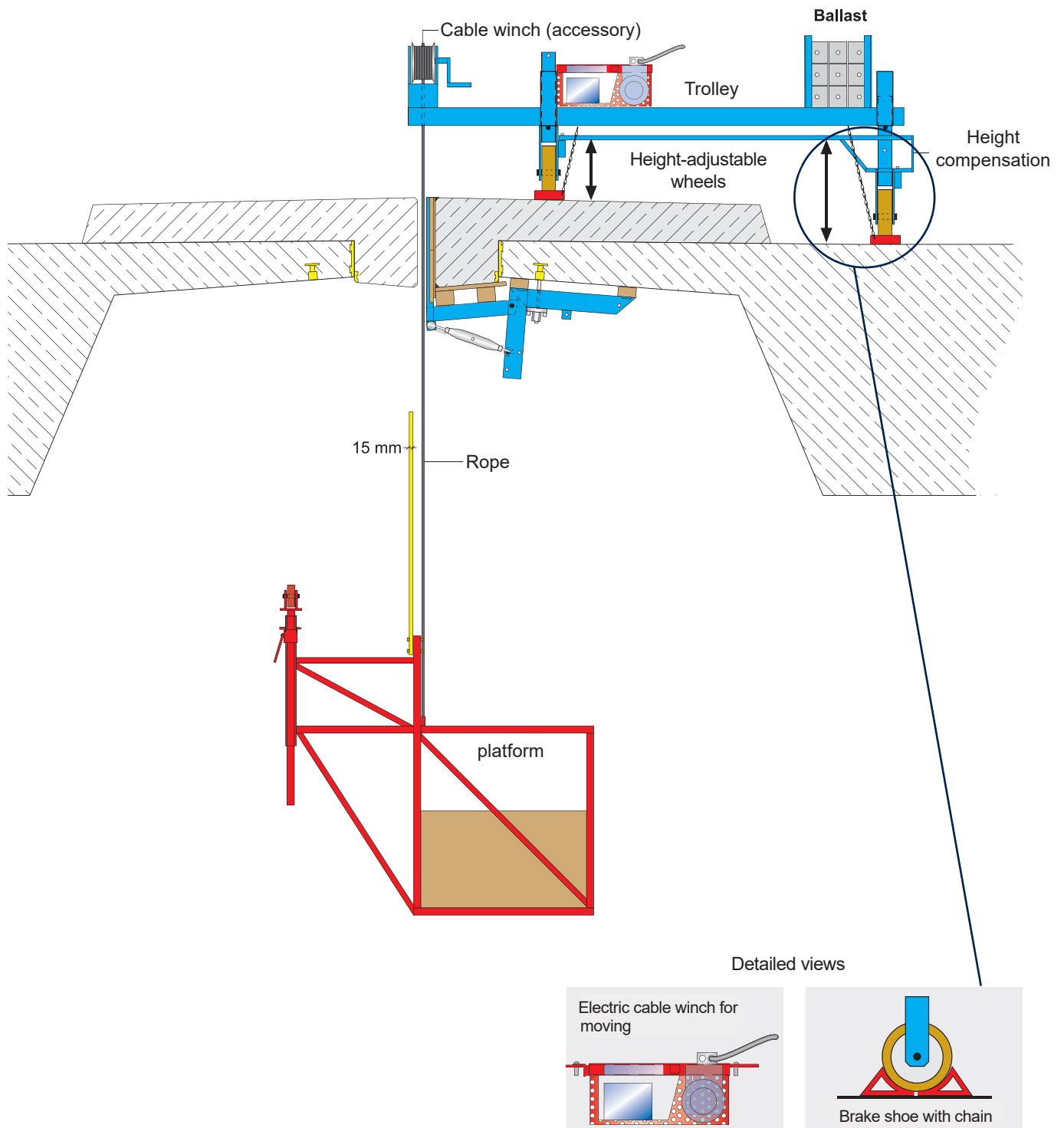
Assembly platform M 220 with a 220 cm cantilever arm



# ASSEMBLY, WORKING AND

## Type M

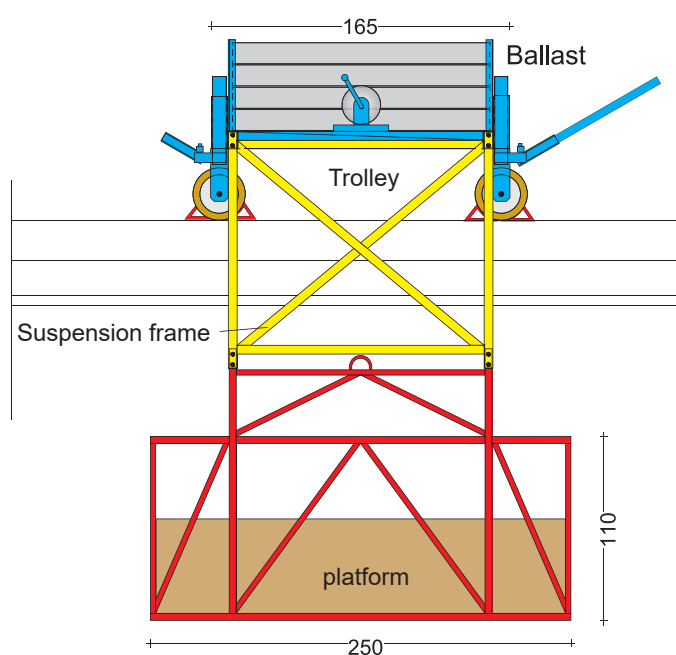
### Assembly process



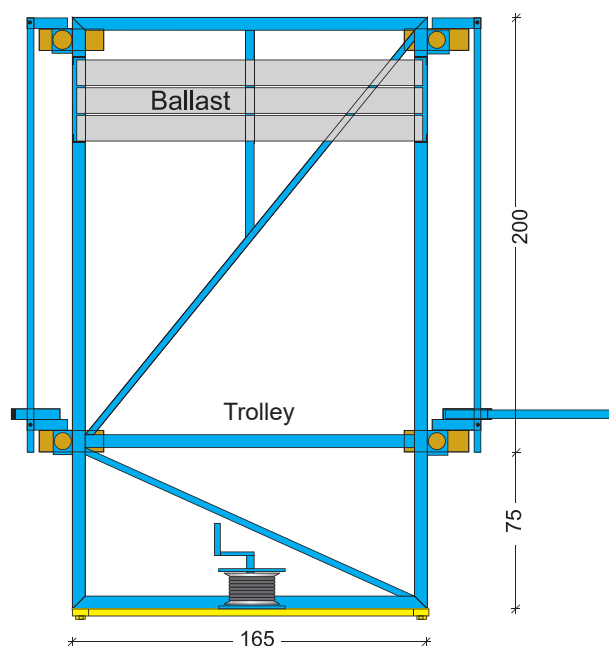
# INSPECTION PLATFORMS

## Type M

Assembly platform type M,  
longitudinal view



Assembly platform type M 75,  
top view



### Assembly platform M

Technical data:	Type M 75	Type M 220
Size of working platform:	2.5 m <sup>2</sup>	2,5 m <sup>2</sup>
Net weight without ballast:	470 kg	580 kg
Ballast:	700 kg	2,300 kg
Sum:	1,170 kg	2,880 kg
Maximum traffic load:	250 kg	250 kg



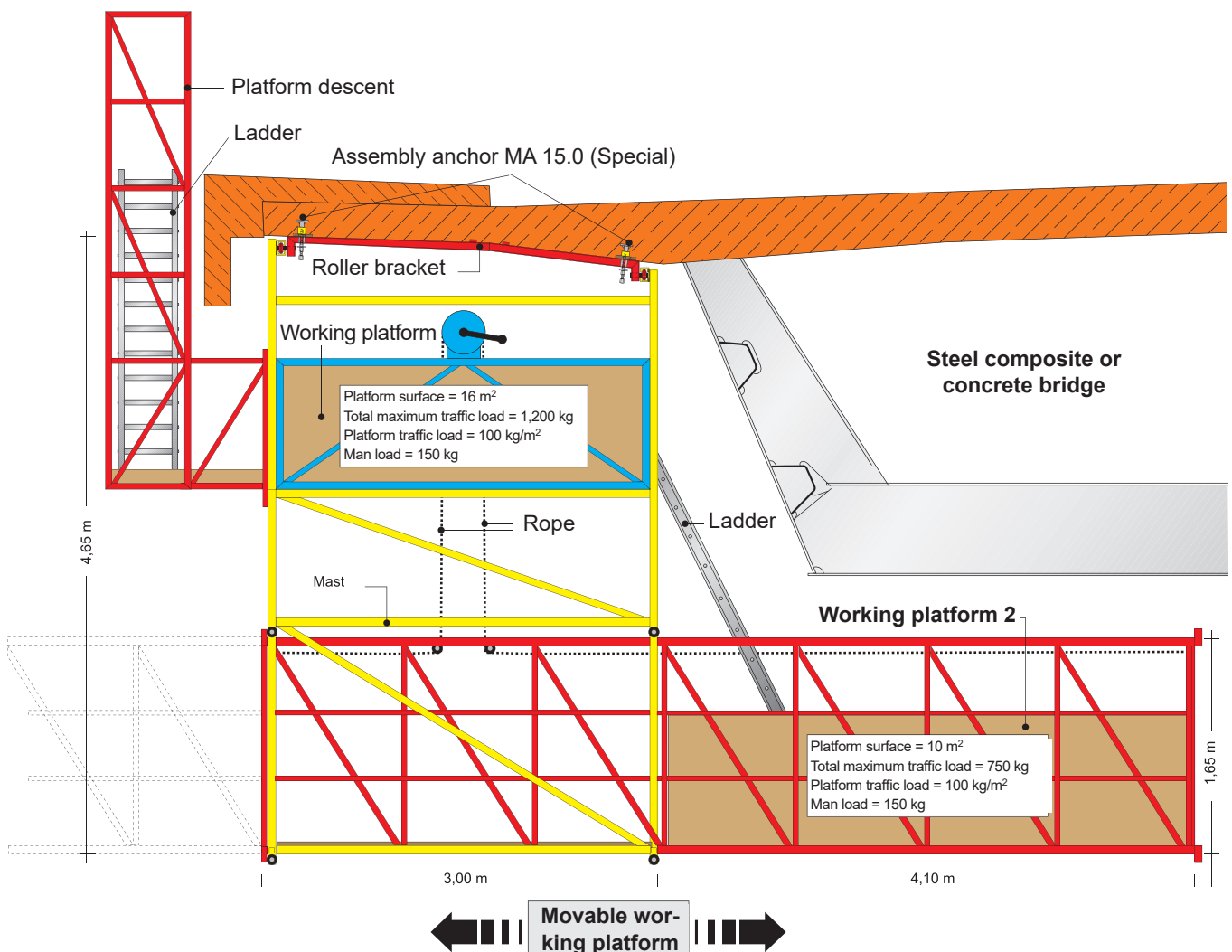
## Suspension railway type

### Suspension railway type

- Extremely light device
- Very fast assembly and disassembly
- Movable with a light winch
- Usable as a working and inspection platforms suspended under the bridge while road traffic is running
- no obstruction of traffic
- for painting work on steel composite bridges
- for concrete renovation work
- adaptable
- highly economical



### View



# INSPECTION PLATFORMS

## Suspension railway type

### Roller bracket

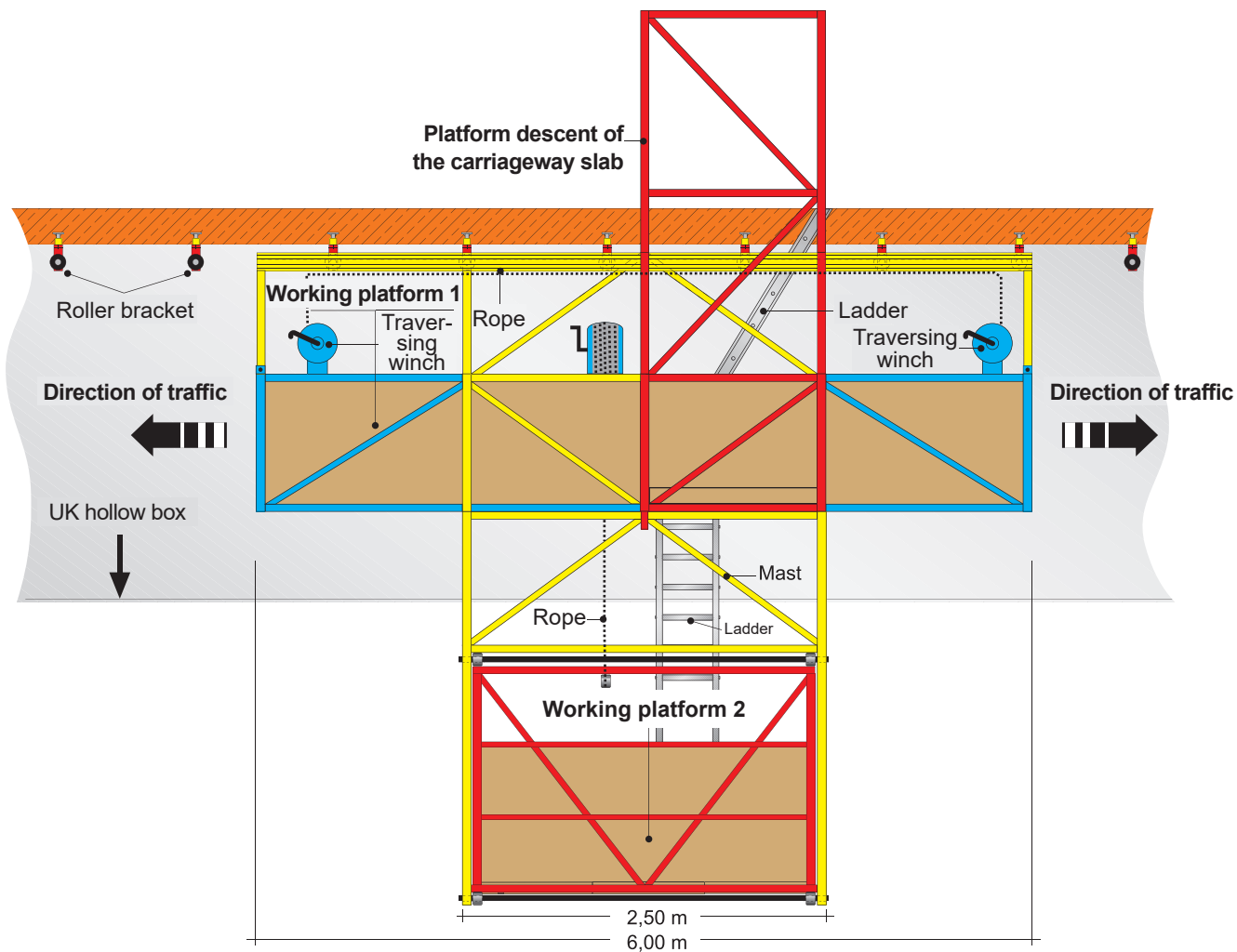


Nod roller bracket and rail

The conical roller is used for easy insertion into the sliding rail.



### View





## Special platforms

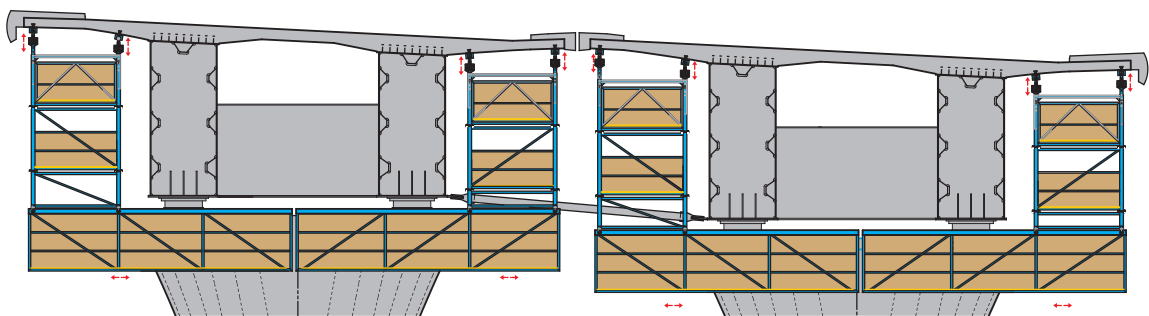




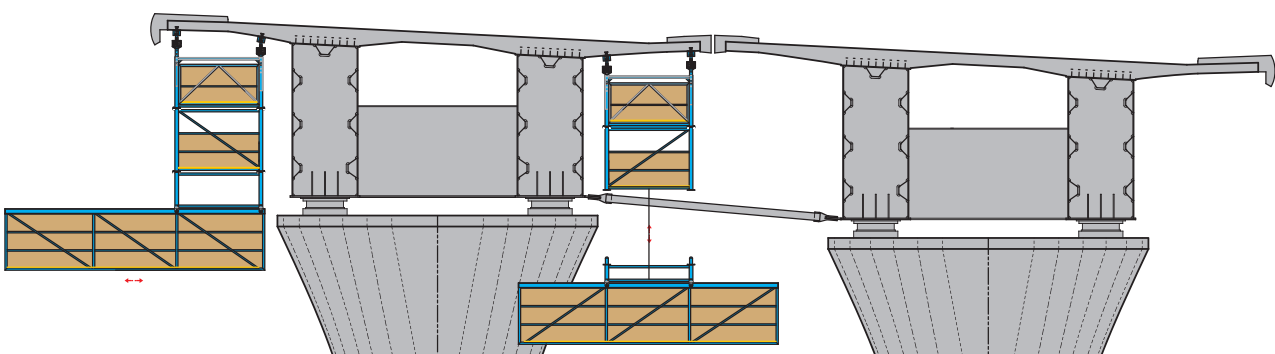
## Special platforms



### Work assignment



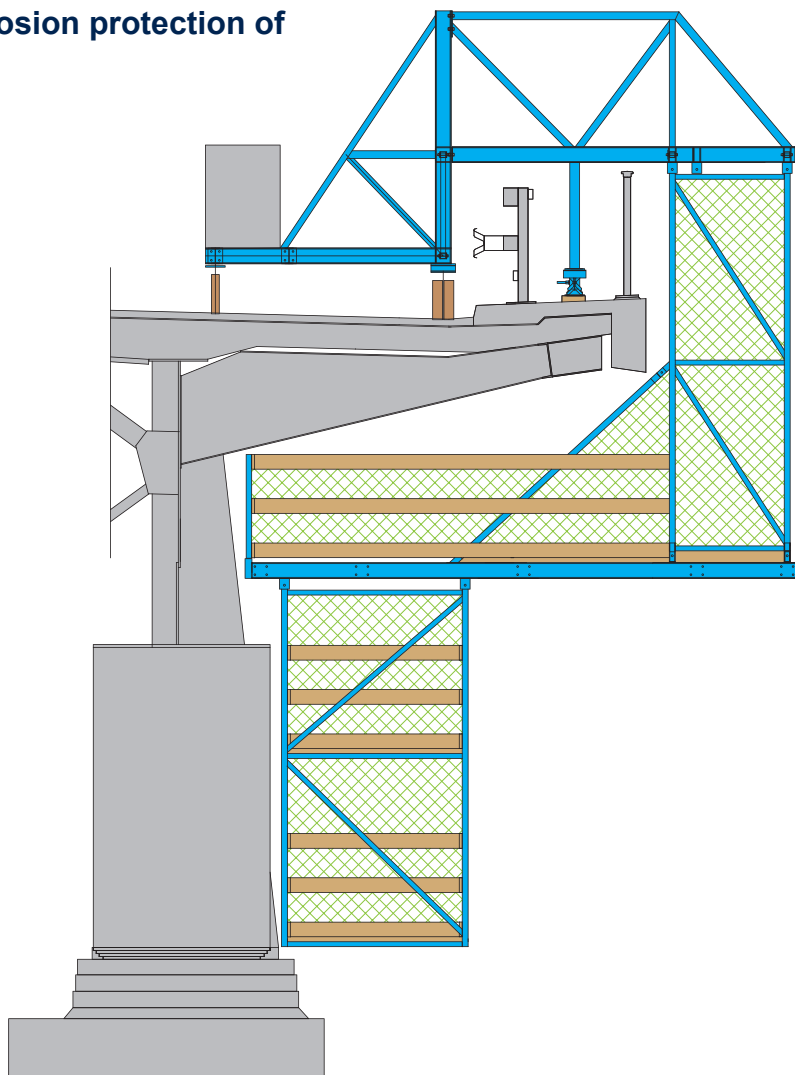
### Procedure on the bridge pier



## Special platforms



**External working platform for corrosion protection of steel bridges**

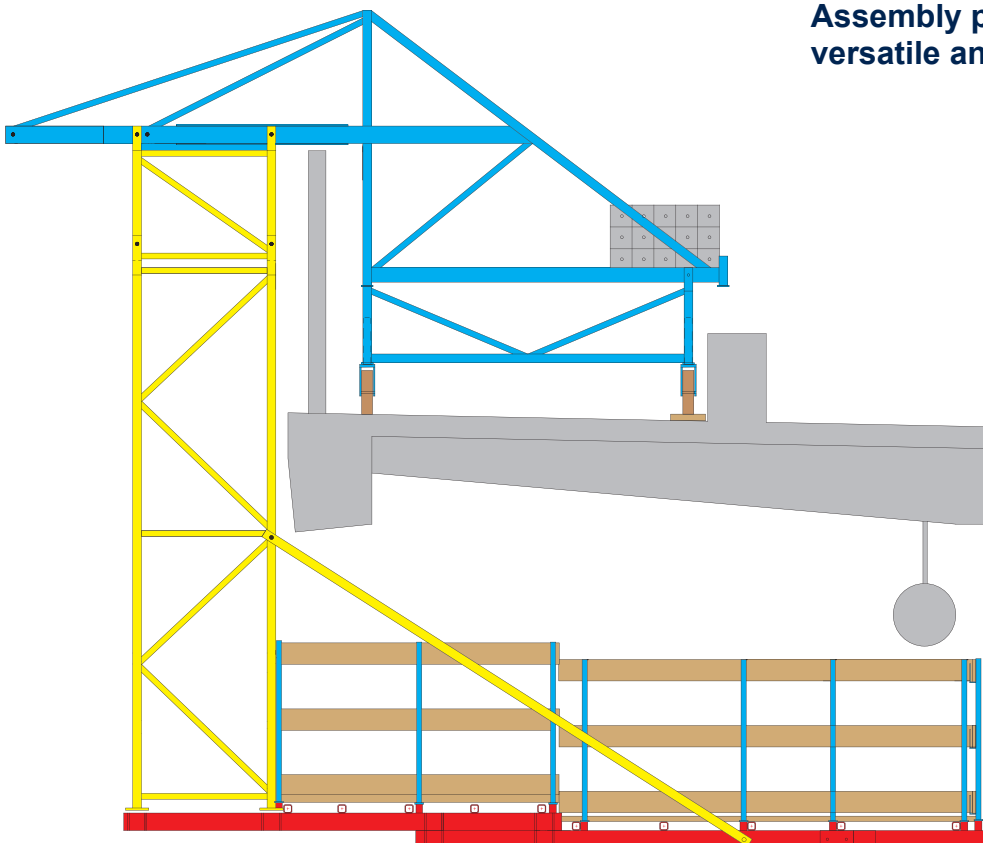




## Special platforms



**Assembly platform –  
versatile and flexible in use**

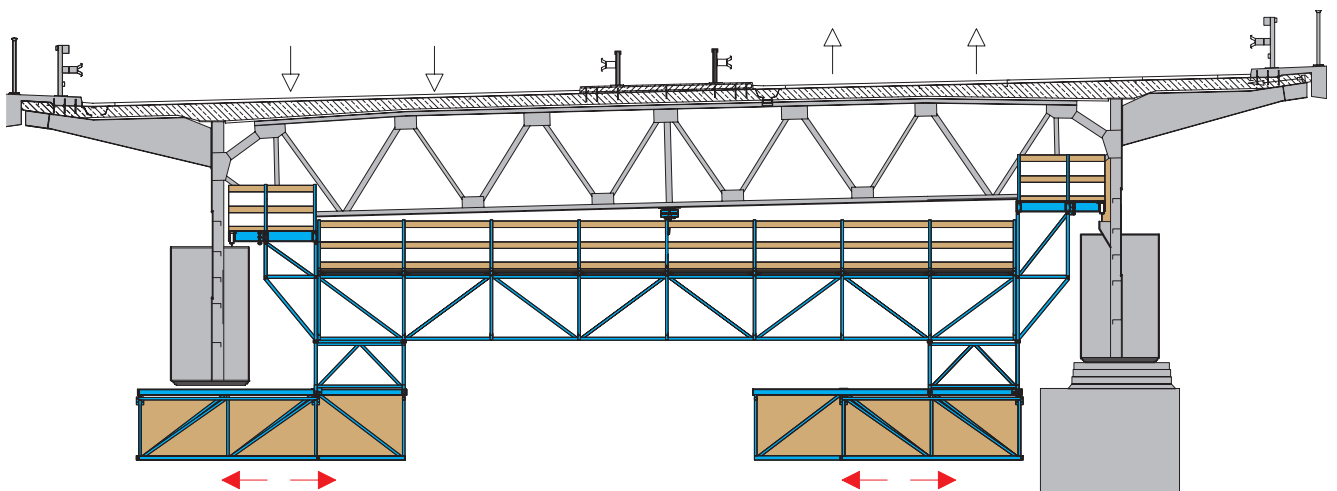




## Special platforms



### Working platform for corrosion protection work

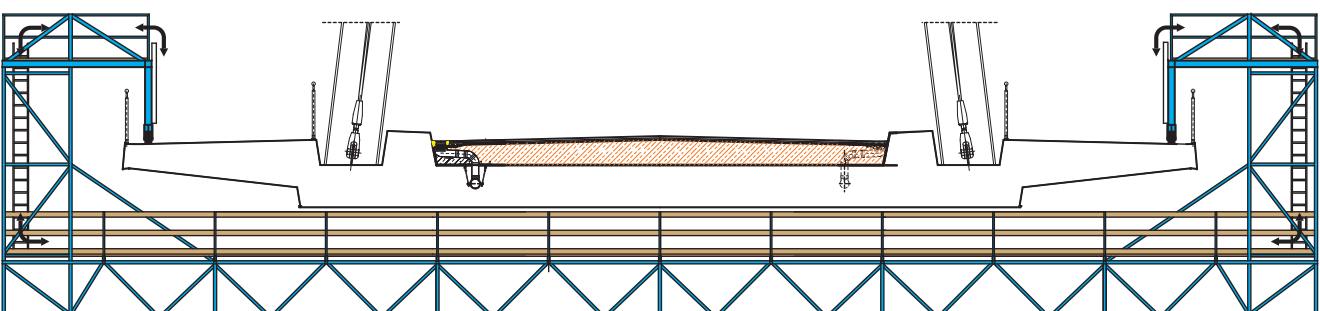




## Special platforms

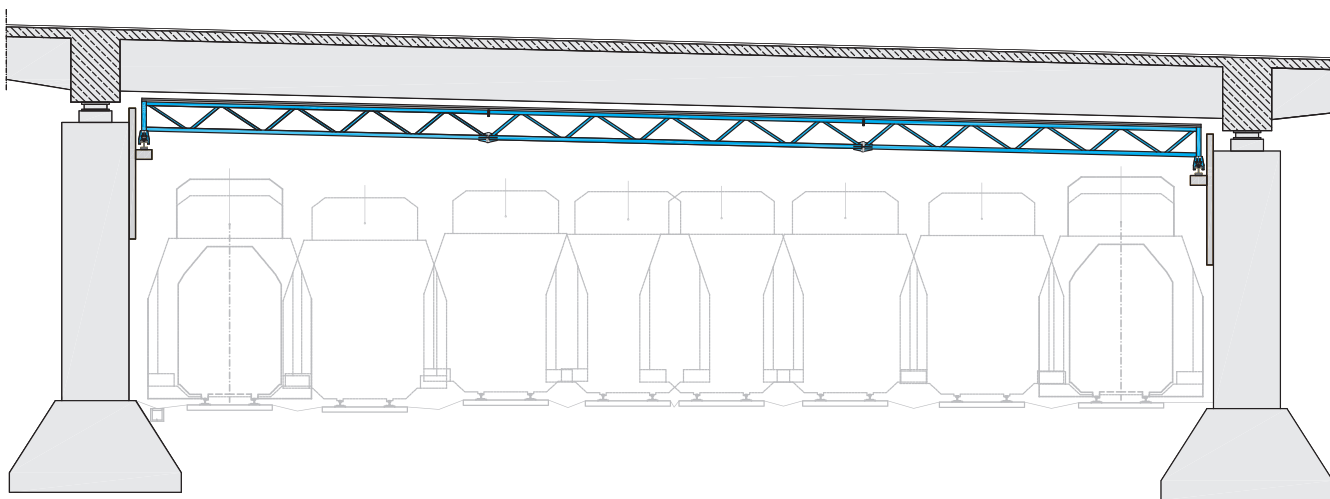


**Working platform for stripping steel composite bridges as well as work on the undersides of bridges**





## Special platforms





# INSPECTION PLATFORMS

## Butt splice connector for scaffold planks



Butt splice connector for scaffold planks



Item no.	Type	Weight
34847	Butt splice connector for scaffold planks	16.40 kg

Patented  
system

# BRIDGE CONSTRUCTION WITH QUICK

## Parts list

### Installation parts / purchase parts

Item no.	Product name	Weight kg/item
----------	--------------	-------------------

14674	Assembly anchor MA 15.0	0,55
14675	Assembly anchor MA 15.0 cast part	0,40
14476	Nail star plug	0,05

14671	Concrete and rock anchor BFA 15,0	0,18
14676	Concrete and rock anchor BFA 15,0 S	0,50
35016	Installation gauge BFA 15 (S)	0,20

34689	Anchor rod A 15 FS, 50 cm	0,75
-------	---------------------------	------

34886	Anchor rod A 15 FS/800 with welded wing nut	1,40
-------	------------------------------------------------	------

146252	Hexagon nut 15/70	0,30
--------	-------------------	------

14613	Calotte plate KAP 15.0	1,20
-------	------------------------	------

### Cap bolt

Item no.	Product name	Weight kg/item
----------	--------------	-------------------

34618	Locking pin Ø 16 mm including safety cotter pin L= 11.50 cm standard	0,10
-------	----------------------------------------------------------------------------	------

346182	Locking pin Ø 16 mm including safety cotter pin L= 14.00 cm Insert from spindle M 24	0,12
--------	--------------------------------------------------------------------------------------------	------

346181	Locking pin Ø 16 mm including safety cotter pin L= 6.00 cm Use with support triangle	0,06
--------	--------------------------------------------------------------------------------------------	------

34631	Safety cotter pin	0,01
-------	-------------------	------

### Cap bolt

Item no.	Product name	Weight kg/item
----------	--------------	-------------------

34606	Clamping bolt 70	17,70
34714	Clamping bolt 100	21,20
34708	Reinforcement	
34709	Shortening	
34710	Welded on pipe socket	

34602	Height adjustment Adjustment range max. 10 cm	5,15
-------	--------------------------------------------------	------

34885	Clamping bolt, vertical Adjustment range max. 15 cm	9,80
-------	--------------------------------------------------------	------

34607	Cantilever arm 120	11,40
346072	Cantilever arm 120 for stripping eccentric	11,40
34600	Cantilever arm 145	14,00

346071	Cantilever arm 120 cranked 13,00	
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346001	Cantilever arm 145 cranked 15,00	
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34608	Support triangle 40	5,10
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34603	Support triangle 40/99 (closed)	6,50
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34596	HV.-bolt Ø 16 mm, L = 120 m, for Support triangle 40/99	0,10
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346031	Support triangle 40/99 (slotted)	6,00
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## Parts list

Item no.	Product name	Weight kg/item
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34610	Formwork support wall 50	3,00
34611	Formwork support wall 75	4,50
34692	Formwork support wall 100	6,00
34612	Formwork support wall 140	9,50
346956	Formwork support wall 150	10,20
34698	Formwork support wall 200	13,60

34619	Spindle M 16	1,50
34620	Spindle M 20	2,30
346201	Spindle M 20 extended	2,50
34621	Spindle M 24	5,00
346211	Spindle M 24 extended	5,00
34622	Spindle M 30	10,00

34613	Baluster 120	2,50
34604	Baluster 180	3,80

34857	Cantilever arm assembly jig	2,00
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34840	Shear force sleeve Ø 25 for cap bolt	1,00
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34858	Shear force sleeve - adapter ring 25/35	0,10
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34754	Strut for clamping bolt	2,30
347541	Strut for clamping bolt when using eccentric	2,30

34614	Protective platform 210	27,30
34615	Protective platform 300	29,30

346151	Protective platform 300 reinforced	48,30
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34616	Protective platform bracket 1 pair	7,90
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34617	Screw M16/110	0,20
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34841	Formwork clamp including 2 drillings in the formwork support wall, including 2 locking pins with safety cotter pin	9,30
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Item no.	Product name	Weight kg/item
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34697	Brace spindle	3,80
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34628	Spindle dowel bracket	0,50
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34690	Height adapter SF	4,00
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34679	Anchoring shoe SF	0,50
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34688	Anchor claw 15.0 SF (sheet pile)	0,30
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34691	Plastic hose Wall thickness 3 mm, Ø 25 mm inside	0,25
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34636	Clamping bolt 52 SF	17,10
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35012	Cantilever arm 145 SF	14,00
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34637	Protective platform 160 SF	23,20
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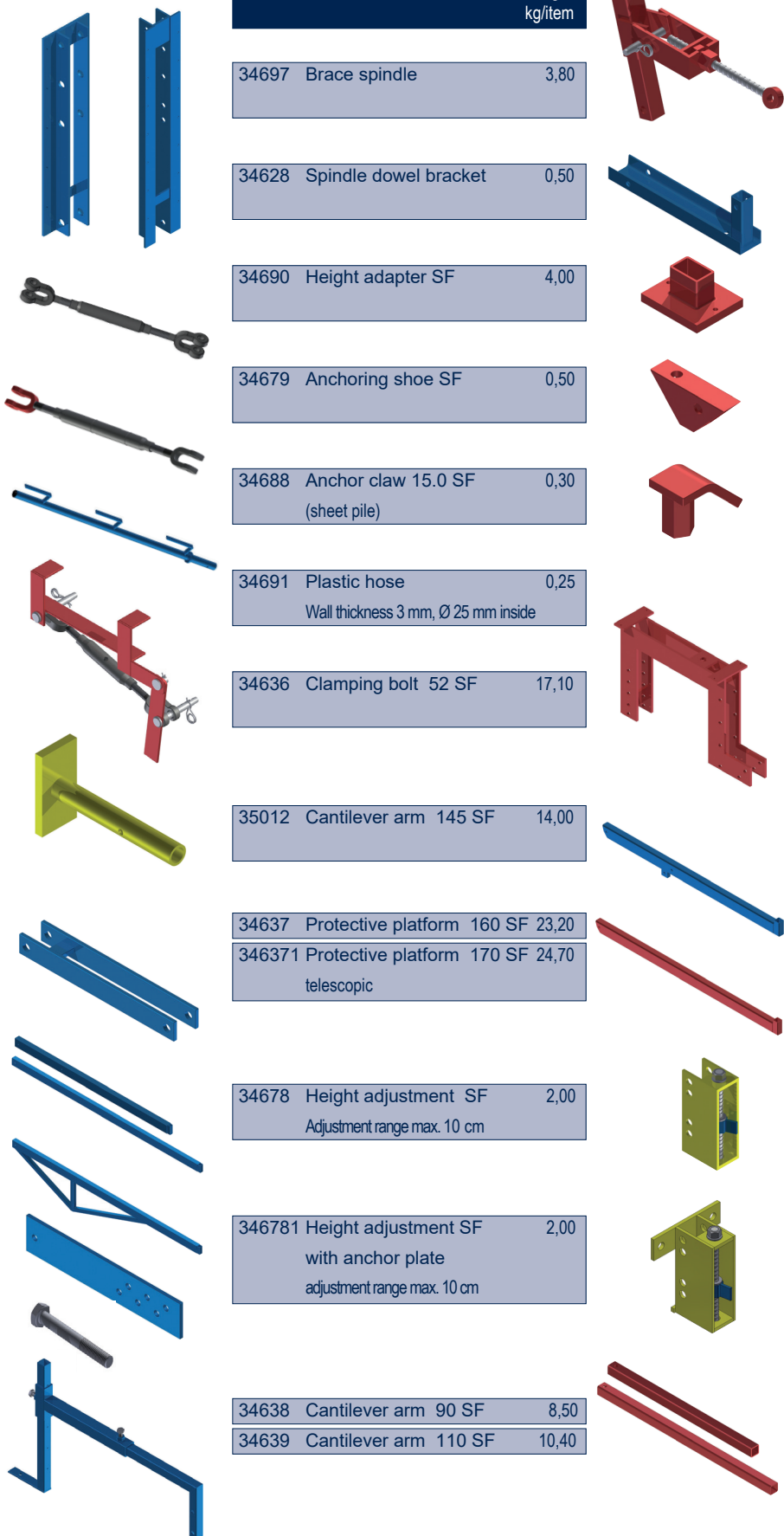
346371	Protective platform 170 SF telescopic	24,70
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34678	Height adjustment SF Adjustment range max. 10 cm	2,00
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346781	Height adjustment SF with anchor plate adjustment range max. 10 cm	2,00
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34638	Cantilever arm 90 SF	8,50
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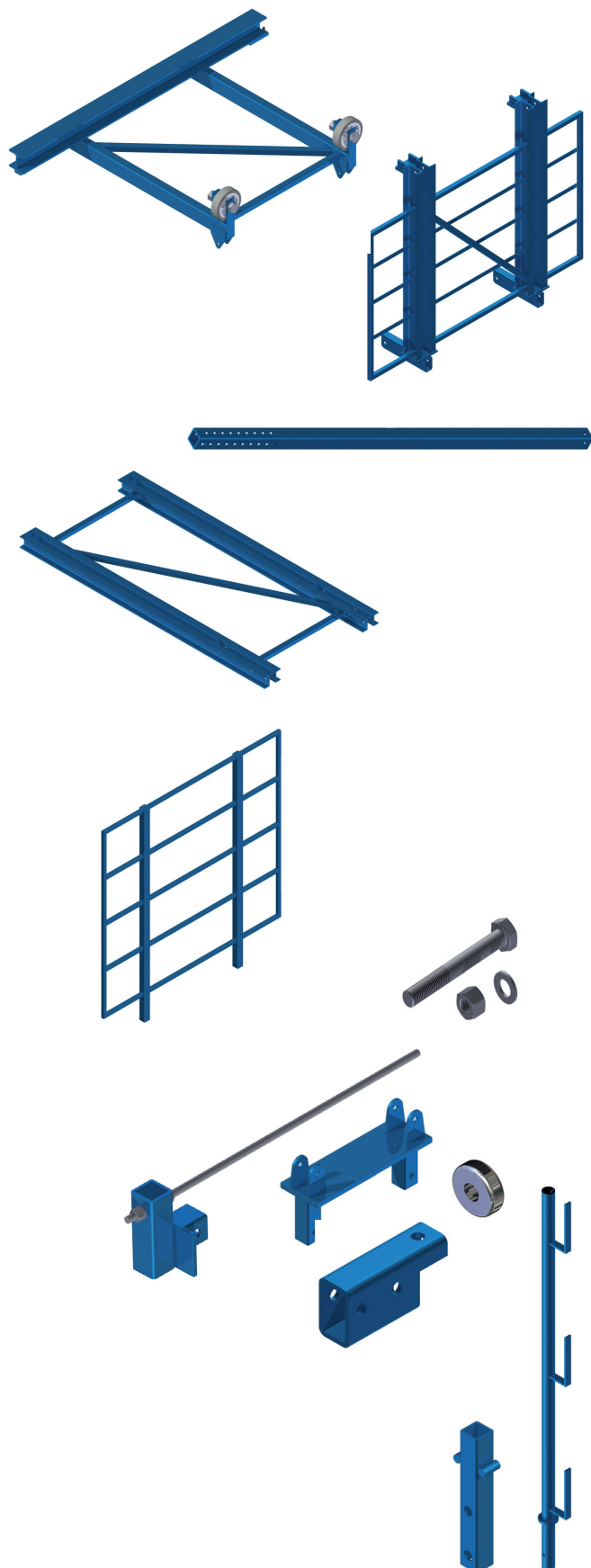
34639	Cantilever arm 110 SF	10,40
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# BRIDGE CONSTRUCTION WITH QUICK

## Parts list



### Cap track EXPRESS

Item no.	Product name	Weight kg/item
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346052	Express track bracket with polyamide rollers	117,00
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346053	Express vertical bracket 155	75,00
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346054	Express support strut	19,00
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346055	Express working platform 250	140,00
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346056	Express wooden planks for working platform 250	15,00
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346057	Express screws for planks	0,02
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346058	Express railing 200	57,00
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346059	Express screw M16/130 with nut and washer	0,20
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346060	Express adjustment screw for sliding carriage	17,00
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346077	Express sliding carriage	8,50
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346062	Express roller for sliding carriage	0,80
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346063	Express height adjustment	17,00
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346064	Express baluster 120	3,20
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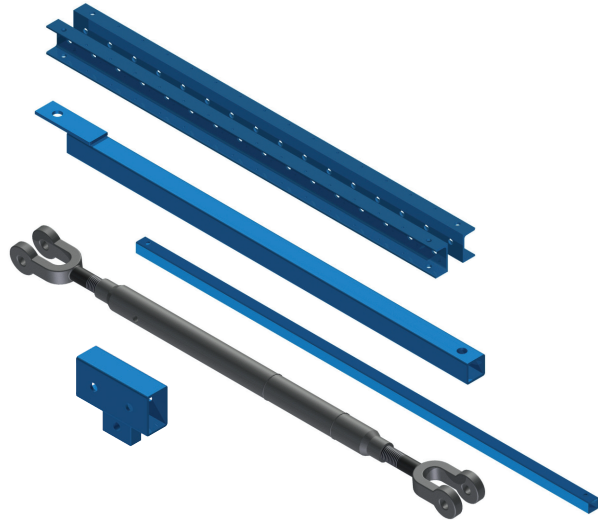
346065	Express baluster adapter	1,50
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## Parts list

Item no.	Product name	Weight kg/item
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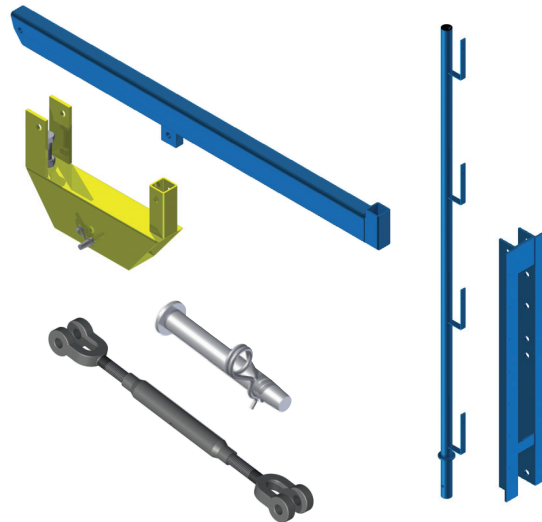
Components for caps in dimensions width > 45cm, height > 70cm

346066	Express cantilever arm/formwork support wall	28,50
346067	Express cantilever arm horizontal strut including 2 screws M16x80 with nut and washer	4,00
346068	Express cantilever arm diagonal strut including 2 screws M16x80 with nut and washer	8,00
34734	Express spindle M24/60	5,60
346070	Express spindle node	3,50



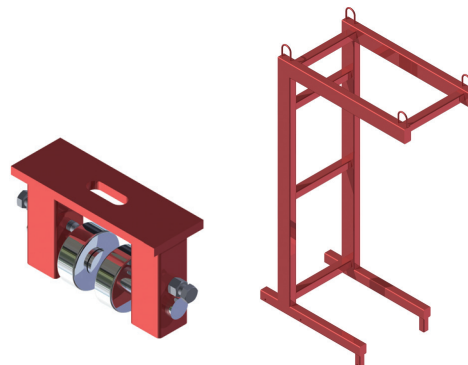
Components for caps in maximum dimensions  
width 45 cm / height 70 cm

34607	Express cantilever arm 120	11,40
34603	Express support triangle 40/99	6,50
34604	Express baluster 180	3,80
34611	Express formwork support wall 75	4,50
34618	Express locking pin Ø including safety cotter pin	0,10
34620	Express spindle M20	2,30



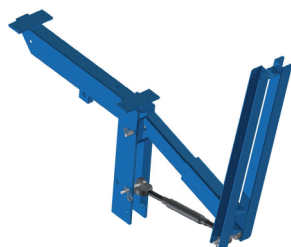
Item no.	Product name	Weight kg/item
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346078	Express roller bracket	25,00
3460781	Express underlay textured coated board	XX
346079	Express shear force sleeve	XX
3460791	Express Anchor rod 15.0 FS galvanized L=200 mm	XX
14625	SKM 15/50	XX
346073	Express platform descent element	75,00
346074	Express assembly frame	105,00
346076	Express cable winch	98,00



# BRIDGE CONSTRUCTION WITH QUICK

## Parts list

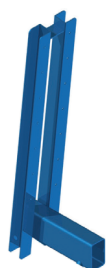


Item no.	Product name	Weight kg/item
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34633	Cap bolt M, complete	34,00
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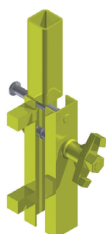


346351	Cantilever arm M, telescopic 7,90	
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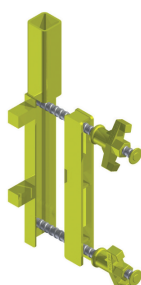
35644	Formwork support wall M, telescopic	4,80
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### ASU

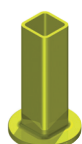


Item no.	Product name	Weight kg/item
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34624	Clou 30	3,20
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34625	Clou 100	4,30
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34842	Baluster adapter	0,80
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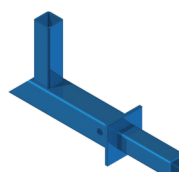


### ASU

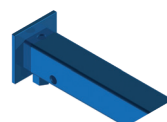
Item no.	Product name	Weight kg/item
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34894	ASU clamp 70, complete	11,70
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34895	ASU clamp 130, complete	17,70
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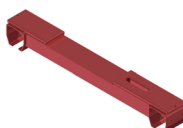
35013	Clamping arm OB	3,00
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34896	Clamping arm UT	2,50
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### Cap track type 1+2

Item no.	Product name	Weight kg/item
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34640	Rail bracket 70 B type 1	6,80
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34848	Rail bracket 100 B type 1	9,70
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34716	Rail bracket 70 B type 2	14,80
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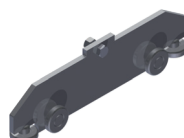
34717	Rail bracket 100 B type 2	17,50
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34641	Bracket bolt 15/220 B including locking nut	0,50
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34598	Locking bolt 15/40 including welded nut	0,70
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346441	Double roller type 2	2,10
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346442	Double roller with cross roller type 2	7,00
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## Parts list

Item no.	Product name	Weight kg/item
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34642	Rail L = 3.00 m type 1	18,90
34718	Rail type 2 L = 3.00 m	26,30
34719	Rail type 2 L = 4.50 m	39,50

34643	Rail coupling type 1	2,10
34720	Rail coupling type 2	3,70

34722	Rail catcher sleeve type 2	4,50
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34644	Rail double rollers	2,25
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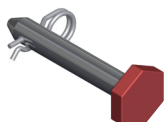
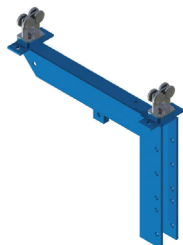
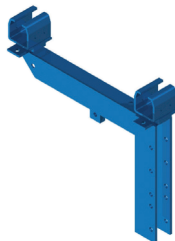
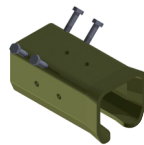
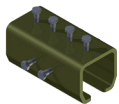
34726	Clamping bolt 70 B with rail support type 2	21,00
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34727	Clamping bolt 100 B with rail support type 2	24,40
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34645	Clamping bolt 70 B type 1 including double roller socket	22,10
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34686	Eccentric lever with safety cotter pin	2,25
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34684	Fixing bolt 0 16 (HV bolt) L = 120, for stripping eccentric	0,19
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Item no.	Product name	Weight kg/item
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### Individual parts for retrofitting

34682	Eccentric disc with lever bush	2,25
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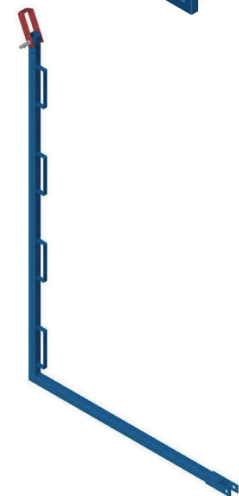
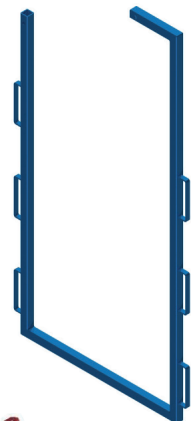
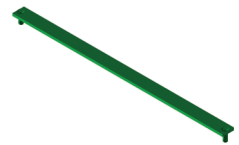
346476	Horizontal strut 60	0,75
346478	Horizontal strut 80	1,00
346471	Horizontal strut 100	1,25
34647	Horizontal strut 120 BV	1,50

346486	Diagonal strut 60	0,85
346488	Diagonal strut 80	1,10
346481	Diagonal strut 100	1,40
34648	Diagonal strut 120 BV	1,70

35643	Platform frame	25,00
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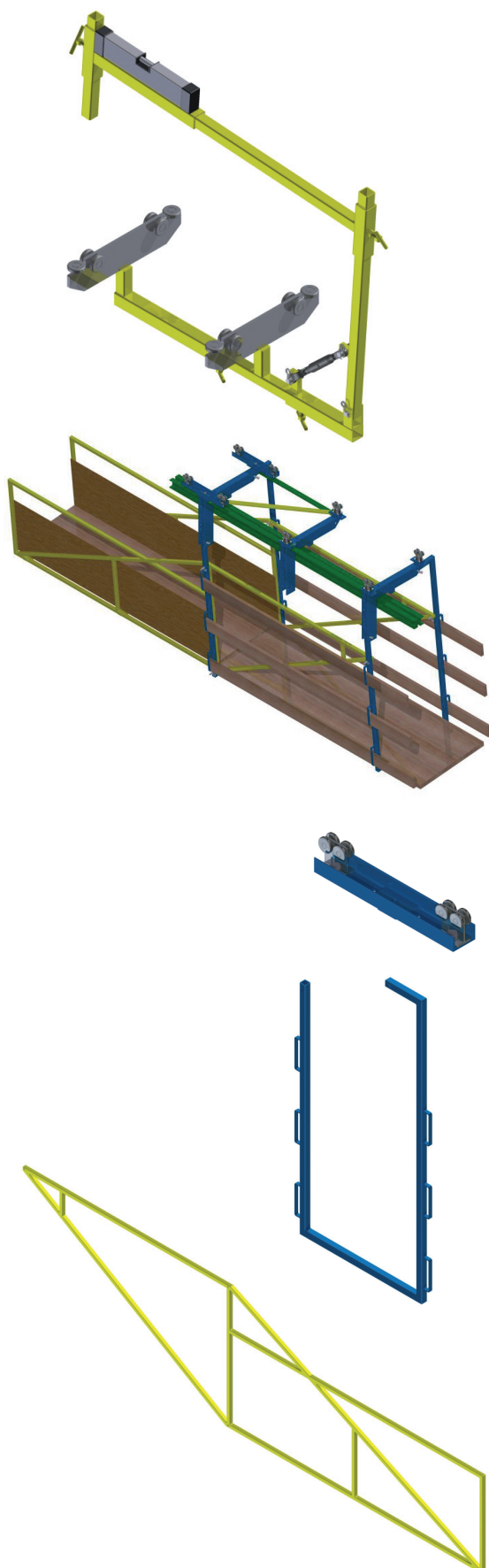
35640	Platform descent frame	18,70
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34837	Platform descent frame bracket	0,50
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# BRIDGE CONSTRUCTION WITH QUICK

## Parts list



Item no.	Product name	Weight kg/item
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34646	Rail assembly jig type 2 Including spirit level	16,00
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34654	Working platform extension unit including 2 platform frames, 2 platform extension frames, 2 double roller traverses, 4 horizontal struts and 1 diagonal strut	128,00
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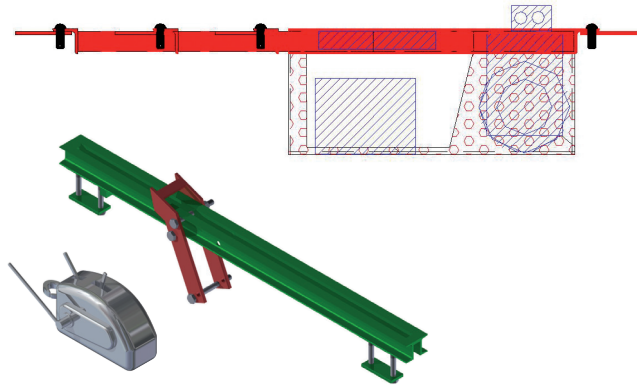
34655	Double roller traverse type 1 Requirement: 2 items per extension	5,00
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34656	Platform frame BV with drillings for extension unit Requirement for a working platform extension=2 items	15,00
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34657	Platform extension frame including side protection plates Requirement for a working platform extension=2 items	28,00
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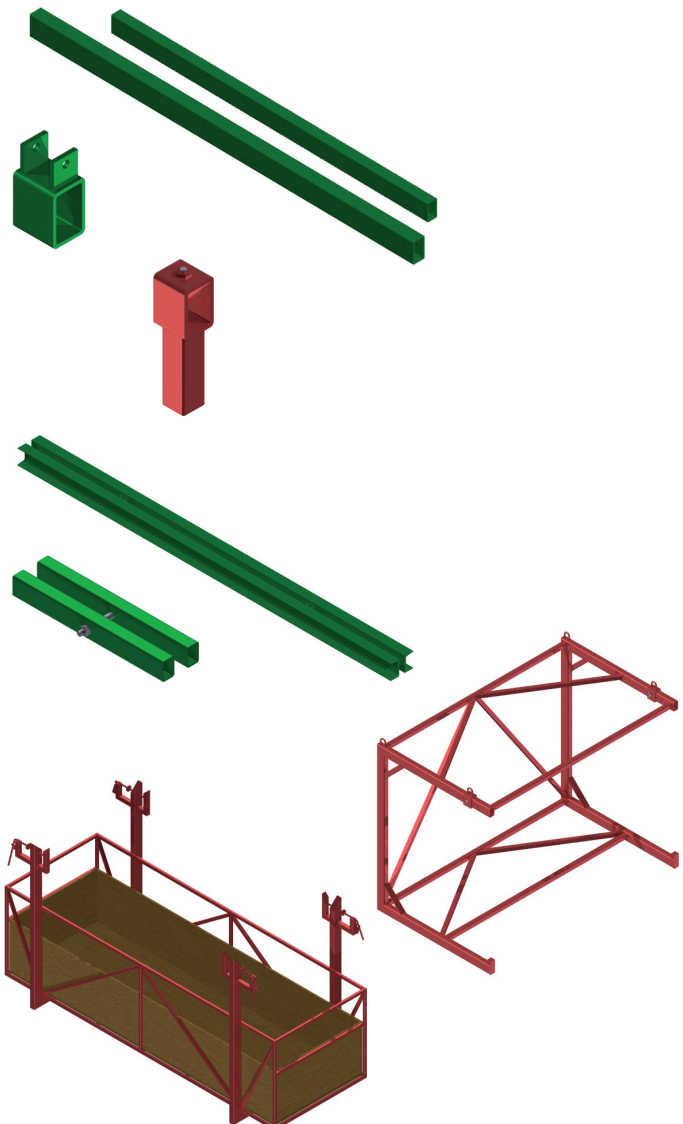
## Parts list

Item no.	Product name	Weight kg/item
34760	Electric cable winch with: 12V battery, charger with 30 m rope, with roll safety pulling force: 1,000 kg + type 1+2	83,00
347601	Roll safety with latch	7,50
34761	Puller hoist Rope length: 20 m Pulling force: 2,000 kg	25,00



### Element formwork ES

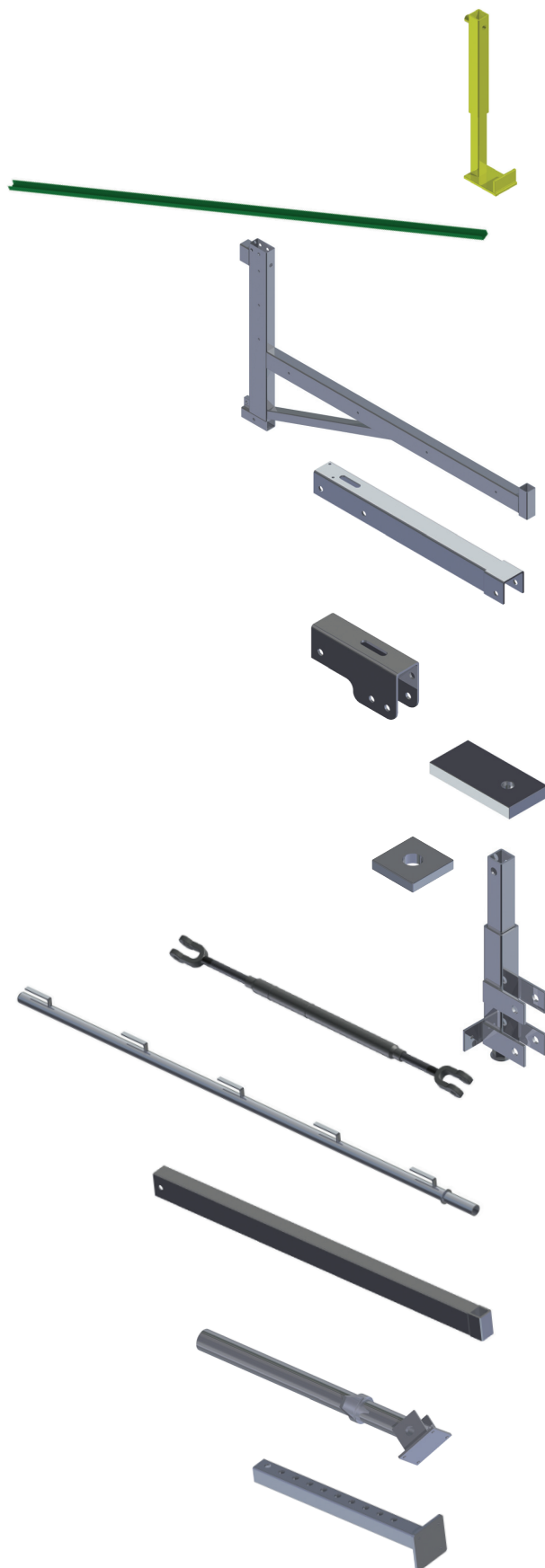
Item no.	Product name	Weight kg/item
35465	Distribution pipe R 100 ES	13,00
35464	Distribution pipe R 200 ES	26,00
35463	Distribution pipe R 300 ES	39,00
35462	Distribution pipe R 500 ES	65,00
35466	Bolt holder ES with Allen screw	2,70
35467	Support leg holder ES (can be pushed onto the distribution pipe with an Allen screw, including leg)	3,70
34834	Distribution profile U 80/100 ES	17,70
34835	Distribution profile U 80/200 ES	35,40
34649	Distribution profile U 80/300 ES	53,00
34836	Distribution profile U 80/500 ES	88,50
34650	Butt bridging bracket Including M 16/150 screw	5,40
35638	Repositioning frame ES	295,00
35639	Platform cage ES (maximal 250 kg payload) including covering	315,00





# BRIDGE CONSTRUCTION WITH QUICK

## Parts list



Item no.	Product name	Weight kg/item
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34763	Height adjustment bracket	6,30
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34764	Underlay profile for height adjustment bracket Underlay support profile	43,00
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### „Safe“ cap formwork parts

34730	Safe cantilever bracket 170	27,54
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34731	Safe cantilever type H 80	9,04
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34732	Safe cantilever type H 28	4,29
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34741	Safe pressure plate	0,40
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34733	Safe underlay plate	0,15
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34737	Safe cap height adjustment	5,62
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34734	Safe spindle M24/60	5,64
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34735	Safe baluster 250	11,75
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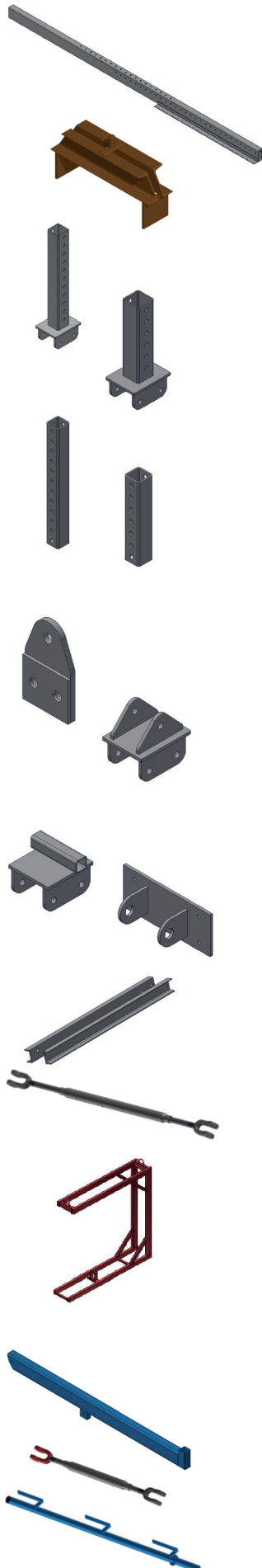
34736	Safe cantilever arm caps 120	9,70
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34738	Safe caps articulated support foot	3,10
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34739	Safe support foot type V 60	5,22
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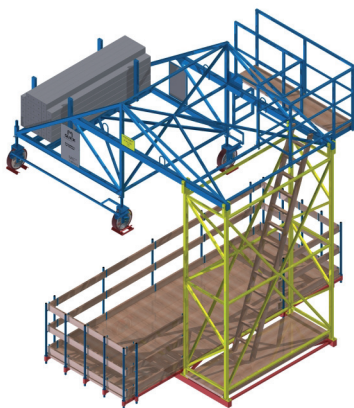
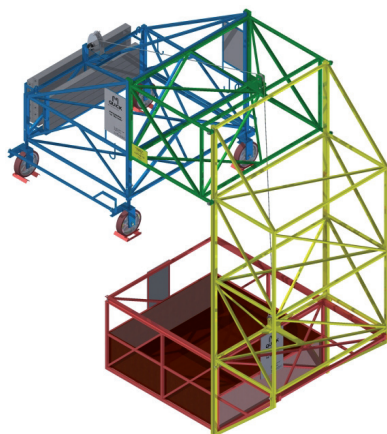
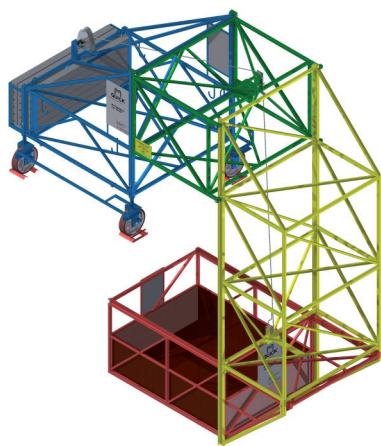
## Parts list

Item no.	Product name	Weight kg/item
15571	WIB-Varius-Flex traverse 500	130,00
34632	Traverse 2 x U 100 or 2 x U80	8,00
15572	WIB-Varius-Flex support 57.5	9,60
15573	WIB-Varius-Flex support 32.5	7,20
15574	WIB-Varius-Flex telescope 60	6,20
15575	WIB-Varius-Flex telescope 35	3,60
15576	WIB-Varius-Flex spindle pocket (pair)	2,60
15577	WIB-Varius-Flex spindle shoe	5,60
15578	WIB-Varius-Flex stop	4,80
15579	WIB-Varius-Flex formwork fastening	0,90
15590	WIB-Varius-Flex 2xU100 cantilever arm	21,20
34734	Spindle M24/60	5,60
15591	WIB-Varius-Flex repositioning frame	-
15592	WIB screw M16x130	0,25
15593	WIB screw M16x150	0,30
34618	Locking pin Ø 16 mm, l=110 mm including safety cotter pin	0,20
24607	Cantilever arm 120	11,40
24621	Spindle M24	5,00
34604	Baluster 180	3,8



# BRIDGE CONSTRUCTION WITH QUICK

## Parts list



Item no.	Product name	Weight kg/item
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### „HANDY“ assembly platform

34670	„Handy“ (payload 300 kg) including cantilever arm 140	1.480,00
34899	Trolley including wheels	
34990	Cantilever arm 140	
34991	Mast	
34992	Platform cage	
optional:		
34676	Extension on cantilever arm 290	105,00
34677	Extension on platform 315 (currently without statics)	182,00
34675	Ballast profile, single (55 kg, L = 1.74m)	55,00

### "BIG HANDY" assembly platform

34687	"Big Handy" (payload 500 kg) including cantilever arm 140	1.925,00
34993	Trolley including wheels	
34994	Cantilever arm 140	
34995	Mast	
34996	Platform cage	
optional:		
34659	Extension on cantilever arm 290	115,00
34669	Extension on platform 315	200,00
34675	Ballast profile, single (55 kg, L = 1.74m)	55,00

### "MAMMUT" assembly platform

34700	"Mammut" (payload 1,500 kg)	2.420,00
34772	"Mammut" (payload 500 kg)	1.925,00
34997	Trolley including wheels	
34998	Mast 380	
34999	Platform 250	
35000	Platform 500	
35001	Additional ballast for Mammut 500: 22 x 55kg	1.210,00
optional:		
35002	Mast extension 100	
35003	Mast 280	
34675	Ballast profile, single (55 kg, L = 1.74m)	55,00

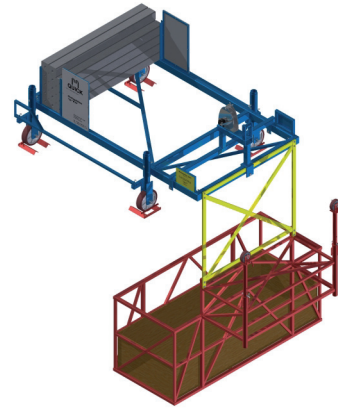


## Parts list

Item no.	Product name	Weight kg/item
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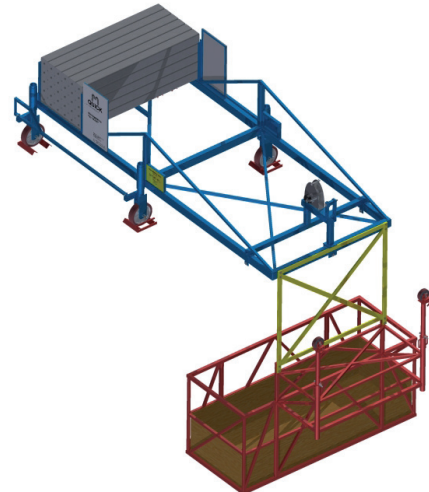
### Type "M 75"- assembly platform

34660	Type "M 75" (payload 240 kg)	1.170,00
35011	Trolley including ballast	
35014	Platform cage + support structure	
34665	Cable winch 900 kg pulling force including wire rope Ø 7mm, 25 m long	6,00



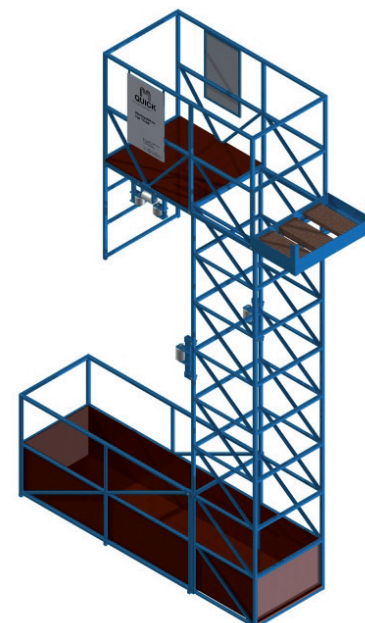
### Type "M 220"- assembly platform

34661	Type "M 220" (payload 240 kg)	1.320,00
35015	Trolley including ballast	
35014	Platform cage + support structure	



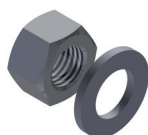
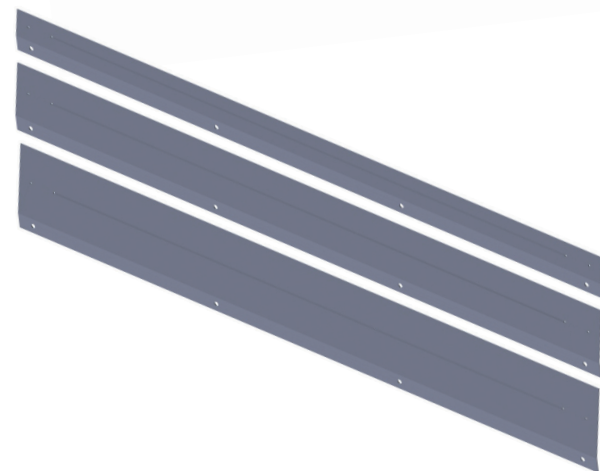
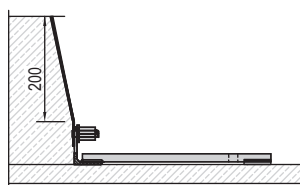
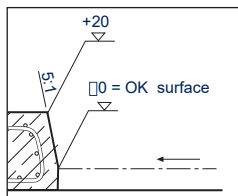
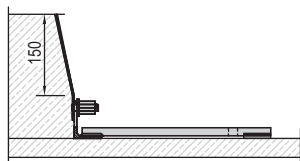
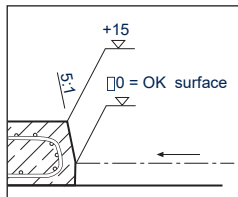
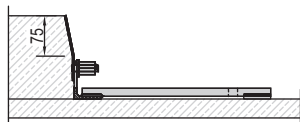
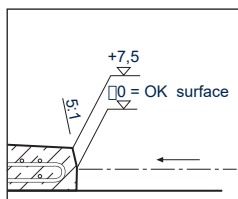
### Type "MOBIL"- assembly platform

35017	"Mobil" (payload 200 kg)	635,30
35018	Trolley	
35019	Roller unit	
35020	Mast	
35021	Support roller unit	
35022	Platform	
35023	Counterweight 300 kg	



# BRIDGE CONSTRUCTION WITH QUICK

## Parts list



Item no.	Product name	Weight kg/item
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### Kerb formwork

347591	Kerb formwork 75 mm, completely galvanized, element length = 2.00 m	24,46
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34744	Kerb formwork 150 mm, completely galvanized, element length = 2.00 m	28,06
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34745	Kerb formwork 200 mm, completely galvanized, element length = 2.00 m	30,46
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34746	Kerb dowel angle base angle, galvanized, element length = 2.00 m	18,00
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34747	Kerb shuttering upstand 75 mm	6,10
34748	Kerb shuttering upstand 150 mm	9,70
34749	Kerb shuttering upstand 200 mm	12,10

galvanized, element length = 2.00 m

34750	Kerb hexagon nut with washer	0,09
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