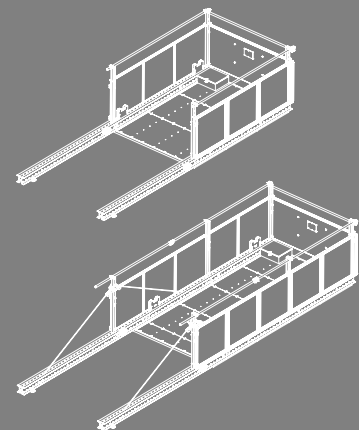
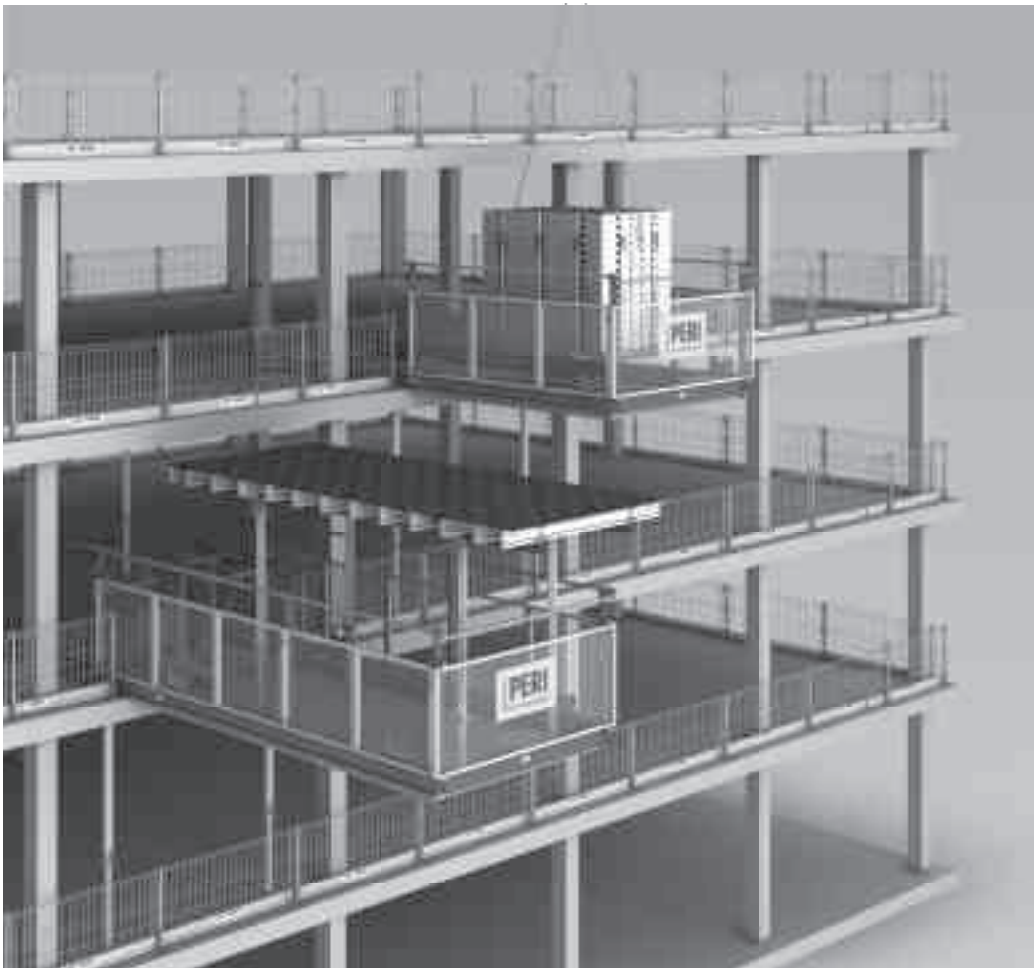


# RCS MP Material Platform

## Material Platform RCS-MP 375 | 550

Instructions for Assembly and Use – Standard Configuration – Edition 02 | 2017





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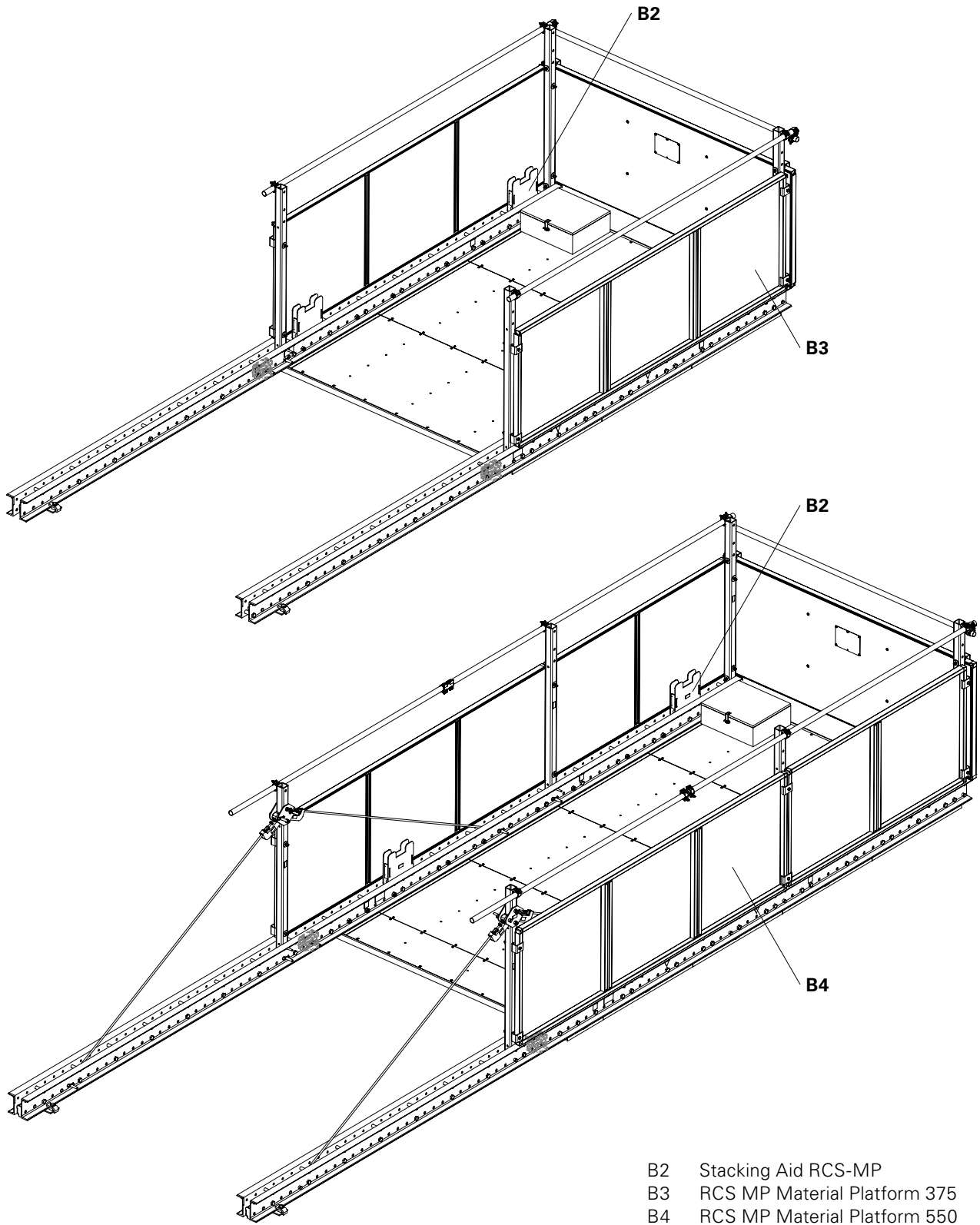
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	RCS MP Material Platform 375   550	70
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## Main components




- B2 Stacking Aid RCS-MP
- B3 RCS MP Material Platform 375
- B4 RCS MP Material Platform 550





## Key

### Pictogram | Definition

 Safety instructions

 Note

 Load-bearing point

 Visual check

 Tip

### Dimension specifications

Dimensions are usually given in mm. Other units of measure, e.g. cm, are specified in the illustrations. Load details are usually given in kg. Other measurement units, e.g. t, are specified in the illustrations.

### Conventions

- Instructions are numbered with:  
1. ...., 2. ...., 3. ....
- The result of an instruction is shown by: →
- Position numbers are clearly provided for the individual components and are given in the drawing, e.g. **1**, in the text in brackets, for example (1).
- Multiple position numbers, i.e. alternative components, are represented with a slash, e.g. **1 / 2**.

### Arrows

→ Arrow representing an action

---

## Presentational reference

The illustration on the front cover of these instructions is understood to be a system representation only. The assembly steps presented in these Instructions for Assembly and Use are shown in the form of examples with only one component size. They are valid accordingly for all component sizes contained in the standard configuration.

For a better understanding, detailed illustrations are partly incomplete. The safety installations which have possibly not been included in these detailed drawings must nevertheless still be available.



## Target groups

### Contractors

These Instructions for Assembly and Use are designed for contractors who use PERI products either to

- assemble, modify and dismantle the formwork system, or
- use them, e.g. for concreting, or
- who have them used, e.g. for forming operations.

### Construction site coordinator

The Safety and Health Protection Coordinator\*

- is appointed by the client,
- must identify potential hazards during the planning phase,
- determines measures that provide protection against risks,
- creates a safety and health plan,
- coordinates the protective measures for the contractor and site personnel so that they do not endanger each other,
- monitors compliance with the protective measures.

### Competent personnel

Due to the specialist knowledge gained from professional training, work experience and recent professional activity, the competent person has a reliable understanding of safety-related issues and can correctly carry out inspections. Depending on the complexity of the test to be undertaken, e.g. scope of testing, type of testing or the use of a certain measuring device, a range of specialist knowledge is necessary.

### Qualified persons

PERI products may only be assembled, modified or dismantled by personnel who are suitably qualified to do so. For the work to be carried out, the qualified persons must have received instructions\*\* which contain at least the following points:

- Explanation of the plan for the assembly, modification or dismantling of the formwork in an understandable form and language.
- Description of measures in order to safely assemble, modify or dismantle the scaffolding.
- Designation of the preventive measures to avoid the risk of persons and objects falling.

- Designation of the safety precautions in the event of changing weather conditions which could adversely affect the safety of the PERI products concerned as well as the personnel.
- Details regarding the permissible loads.
- Description of any other risks that are associated with the assembly, modification or dismantling procedures.



- **In other countries, ensure that the relevant national guidelines and regulations in the respective current version are complied with!**
- **If no country-specific regulations are available, it is recommended to proceed according to German rules and regulations.**

\* Valid in Germany: Regulations for Occupational Health and Safety on Construction Sites 30 (RAB 30).

\*\* Instructions are given by the contractor himself or a competent person selected by him.

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## Additional technical documentation

- Instructions for Use:
  - Pallets and Stacking Devices
  - Table Lifting Fork
  - Table Lift PTL
  - Table Trolley 2 t
- Product approvals:
  - Z-21.6-1766 PERI Screw-On Cone
  - Z-21.6-1767 PERI Climbing Cone
- Separate design information
- Design Tables – Formwork and Shoring

## Intended use

### Product description

PERI products have been designed for exclusive use in the industrial and commercial sectors by qualified personnel only.

The Material Platform RCS MP is a standard application with components of the Rail Climbing System RCS.

The Material Platform RCS MP serves as a temporary storage area for specified loads which are moved with the crane.

It has been designed as a support structure for material storage in compliance with DIN EN 12812 (formerly DIN 4421) and can be moved with the crane.

These Instructions for Assembly and Use describe the standard assembly of a cantilevered landing platform for material transportation.

It essentially describes

- the required assembly work,
- the moving procedure of the material platform with the help of a crane,
- fastening to the building,
- the use as a temporary storage area for loads which are moved with the crane.

### Features

The Material Platform RCS MP consists of two cantilevered Climbing Rails RCS, platform elements with checker plate covering and mountable side protection consisting of LPS Mesh Protection Panels.

It is available completely pre-assembled in two standard sizes.

Other dimensions require separate planning, static verification and additional assembly and utilization instructions based on a risk assessment.

For attaching to the building there is the possibility of anchoring in the floor slabs or clamping between two floor slabs.

### Technical data

- RCS MP 375
  - Reach: approx. 3.75 m
  - Platform area: 9.45 m<sup>2</sup>
  - max. load: 3400 kg
- RCS MP 550
  - Reach: approx. 5.50 m
  - Platform area: 13.86 m<sup>2</sup>
  - max. load: 3740 kg

---

## Instructions for Use

The use in a way not intended, deviating from the standard configuration or the intended use according to the Instructions for Assembly and Use, represents a misapplication with a potential safety risk, e.g. risk of falling.

Only PERI original components may be used. The use of other products and spare parts is not allowed.

Changes to PERI components are not permitted.

## Cleaning and maintenance instructions

In order to maintain the value and operational readiness over the long term, clean the surface areas after every use.

The following points should help to keep cleaning and maintenance costs as low as possible.

Spray with water immediately after concreting to remove residue etc. This avoids time-consuming cleaning operations.

Never use steel brushes or hard metal scrapers to clean powder-coated or galvanised components, e.g. elements and accessories. Such cleaning processes will destroy the high-quality powder coating.

Mechanical components, e.g. spindles or gear mechanisms, must be cleaned of dirt or concrete residue before and after use, and then greased with a suitable lubricant.

Provide suitable support for the components during cleaning so that no unintentional change in their position is possible.

Do not clean components suspended on a crane.

Do not spray working platforms or access ways with a concrete release agent – slipping hazard!

Any repairs to PERI products are to be carried out by qualified PERI personnel only.

## Cross-system

### General

The contractor must ensure that the Instructions for Assembly and Use supplied by PERI are available at all times and are understood by the site personnel.

These Instructions for Assembly and Use can be used as the basis for creating a risk assessment. The risk assessment is compiled by the contractor. These Instructions for Assembly and Use do not replace the risk assessment!

Always take into consideration and comply with the safety instructions and permissible loads.

For the application and inspection of PERI products, the current safety regulations and guidelines must be observed in the respective countries where they are being used.

Materials and working areas are to be inspected on a regular basis especially before each use and assembly for:

- signs of damage,
- stability and
- functionality.

Damaged components must be exchanged immediately on site and may no longer be used.

Safety components are to be removed only when they are no longer required.

Components provided by the contractor must conform with the characteristics required in these Instructions for Assembly and Use as well as with all valid construction guidelines and standards. Unless otherwise indicated, this applies in particular to:

- Timber components: Strength Class C24 for Solid Wood according to EN 338.
- Scaffold tubes: galvanised steel tubes with minimum dimensions of  $\varnothing 48.3 \times 3.2$  mm according to EN 12811-1:2003 4.2.1.2.
- Scaffold tube couplings according to EN 74.

Deviations from the standard configuration are only permitted after a further risk assessment has been carried out by the contractor. On the basis of this risk assessment, appropriate measures for working and operational safety as well as stability are to be determined.

Corresponding proof of stability can be provided by PERI on request if the risk assessment and resulting measures to be implemented are made available.

Before and after exceptional occurrences that may have an adverse effect regarding the safety of the PERI product, the contractor must immediately

- create another risk assessment, with appropriate measures for ensuring the stability of the system being carried out based on the results,
- and arrange for an extraordinary inspection by a competent person. The aim of this inspection is to identify and rectify any damage in good time in order to guarantee the safe use of the system.

Exceptional occurrences can include:

- accidents, fire,
- longer periods of non-use,
- natural events, e.g. heavy rainfall, icing, heavy snowfall, storms or earthquakes.

### Assembly, modification and dismantling work

Assembly, modification or dismantling of PERI products may only be carried out by qualified persons under the supervision of a competent person. The qualified personnel must have received appropriate training for the work to be carried out with regard to specific risks and dangers.

On the basis of the risk assessment and Instructions for Assembly and Use, the contractor must create installation instructions in order to ensure safe assembly, modification and dismantling of the PERI product.

The contractor must ensure that the personal protective equipment required for the assembly, modification or dismantling of the PERI product, e.g.

- safety helmet,
  - safety shoes,
  - safety gloves,
  - safety glasses,
- is available and used as intended.

If personal protective equipment against falling (PPE) is required or specified in local regulations, the contractor must determine appropriate attachment points on the basis of the risk assessment. The personal protective equipment against falling to be used is determined by the contractor.

The contractor must

- provide safe working areas for site personnel which are to be reached through the provision of safe access ways. Areas of risk must be cordoned off and clearly marked.
- ensure the stability during all stages of construction, in particular during assembly, modification and dismantling of the formwork.
- ensure and prove that all loads are safely transferred.

### Utilization

Every contractor who uses the PERI product or allows parts of the product to be used, has the responsibility for ensuring that the equipment is in good condition.

If the PERI product is used successively or at the same time by several contractors, the health and safety coordinator must point out any possible mutual hazards and all work must be then coordinated.

## System-specific

### Assembly work

The contractor must ensure that the user has the appropriate and sufficient number of tools, lifting equipment and slings, suitable and sufficient space for assembly and storage as well as adequate crane capacity at his disposal.

There is always the possibility that unforeseen risks arise during assembly work. Assess the degree of risk in each individual case and, if necessary, take measures to prevent or at least minimize the risk.

If anti-fall protection cannot be used or has to be removed due to operational reasons, safety equipment must be installed in its place in order to prevent or arrest falls from any height. If the use of fall arrest equipment is deemed to be inappropriate, personal protection equipment (PPE) can be used.

Use a guide rope to ensure that assembly units suspended from the crane are fully under control when being moved.

Do not remain under any suspended loads. If work under suspended loads cannot be avoided, determine and apply all appropriate measures.

Avoid entering the area between suspended loads and the building.

Site personnel are forbidden to remain in areas below where assembly work is being carried out unless the area of risk has been provided with sufficient protection against falling, overturned, sliding or rolling objects and masses.

Cordon off areas of risk.

### Maintenance and repairs

The components are to be inspected before each use to ensure that they are in perfect condition and function correctly. As a general rule, only materials in perfect condition are to be used.

The platforms are to be inspected for signs of damage by authorised personnel at regular intervals. Remove loose concrete residue.

Dirt which affects the functionality is to be removed immediately.

Damaged components are to be inspected, removed and replaced.

After any extraordinary event has taken place, the functionality and load-bearing capacity of all safety components as well as the supporting structure are to be checked before further use.

### Safety components:

- Regular visual inspections are to be carried out by qualified personnel.
- Before any climbing or assembly, the qualified personnel has to check the functionality.
- Only PERI original components are used when replacing parts.
- Repairs are carried out by qualified PERI personnel only.

### Supporting structure:

- A visual inspection is to be carried out by authorised personnel before the initial use.
- Only PERI original components are to be used for repairs or replacement.

### Other components:

- Inform authorised persons.
- Repairs are carried out by authorised personnel.

### Access

Safe access to all working areas must be guaranteed at all times.

Preferred options are walkways, stairs, stair towers or passenger lifts. Ladders are suitable for use as access ways in exceptional cases only.

In the case of danger, it must be ensured that working areas can be vacated via emergency escape routes or rescue equipment.

It must also be ensured that at least one emergency escape route or piece of rescue equipment can still be used if the power supply fails.

## Protection against falling objects

Work activities may not be carried out simultaneously on areas positioned on top of each other unless the lower working areas and access routes are provided with protection against falling objects such as tools or materials.

Avoid positioning working areas and access ways in areas of risk. If this is not possible due to work procedures, suitable protection equipment must be available. This also applies to work requiring only a short period of time.

Operational working areas at great heights are to be secured against falling objects by means of appropriate constructional measures.

Working areas positioned below must be protected using suitable protective roofs along the entire area at risk.

Secure all pins with cotter pins and all bolts with nuts.

## Moving procedure

Retract components only when the concrete has sufficiently hardened and the person in charge has given the go-ahead for striking to take place.

Anchoring is to take place only if the anchorage has sufficient concrete strength.

Do not move the climbing unit until the supporting structure (floor slab) has sufficient load-bearing capacity or has been reinforced.

As a result of the moving procedure, falling edges may arise. If work is carried out in this area, site personnel must be secured (e.g. through rope protection). Cordon off the area of risk!

Do not transport persons, building materials or tools when moving with the crane.

In case of a malfunction, place the climbing unit on a suitable, sufficiently load-bearing surface and immediately notify an authorized person!

## Transport of materials

Attach loads so that the crane slings hang vertically in order to prevent any collisions or getting jammed with the guardrails during lifting procedures.

The platform must be vacated before lifting the load in order to prevent persons from being trapped!

If the crane operator does not have direct visual contact with the load, the operator must then be given instructions by radio or hand signals.

The load must have sufficient clearance to the building, climbing platforms or other scaffolding thus ensuring that it does not get caught on protruding components during the lifting procedure.

Ensure that symmetrical and constant load distribution is in place. Move loads slowly and controlled onto the RCS MP in order to prevent collisions with compression columns and guardrails.

When attaching, unsecured climbing on the load is prohibited. Max. contact area height 1.0 m under the top edge of the scaffold tube.

If, due to technical reasons, it is necessary to attach from above (e.g. slab tables with lifting straps), site personnel must be secured against falling by means of appropriate rope protection.



## Assembly safety

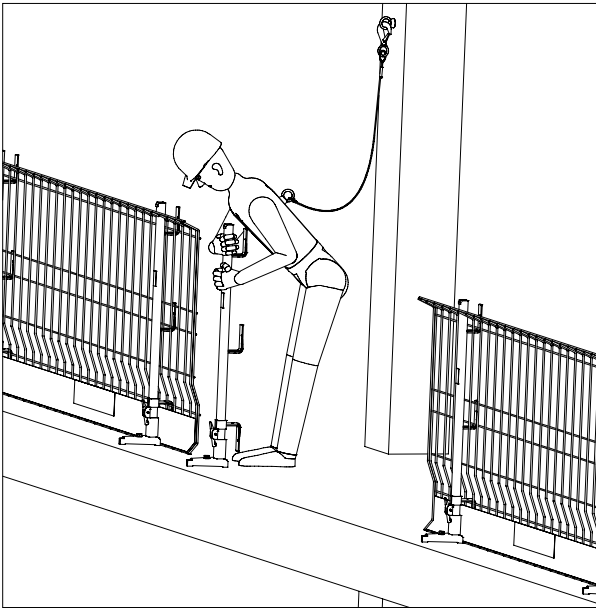


Fig. E.01

### Safety measures for standard configurations



**In order to guarantee protection against falling, the contractor must create a site-specific risk assessment for the assembly, dismantling and modification of the RCS MP as well as its intended use. On the basis of this risk assessment, the contractor must take suitable measures to ensure effective anti-fall protection.**



- Comply with national regulations regarding fall height and anti-fall protection. If the attachment of side protection is not possible due to technical reasons, personal protective equipment (PPE) against falling must be used in accordance with its intended purpose.
- Technical and collective safety measures are given preference over individual solutions.
- The side protection which has been installed must be inspected and approved by a qualified person before the initial use.

### Selection of personal protective equipment (PPE) against falling

The PPE against falling requires the following:

- It must be suitable for the conditions prevailing at the working areas.
- It must provide protection against the risks involved and at the same time ensure that these measures themselves do not lead to any increased risk.
- The selected PPE must comply with the relevant regulations and codes of practice in the respective country where it is being used.
- The length selected must rule out the possibility of falling off the edge.

### Attachment points selection

Attachment points require the following:

- If possible, select attachment points above the head.
- Select an attachment point so that a pendulum fall is prevented.
- The load-bearing capacity of the attachment point, building or supporting surface must be ensured in order to accommodate the forces arising during a fall.
- The attachment point must be able to handle loads in all directions.

### Assembly in the event of variations from the standard configuration

- The contractor responsible for installing the side protection must carry out a risk assessment.
- Securing measures must be realized according to the specifications as for the standard configuration.
- Acceptance by a competent person is required.

## Storage and transportation

Store and transport components ensuring that no unintentional change in their position is possible. Detach lifting accessories and slings from the lowered components only if they are in a stable position and no unintentional change is possible.

Do not throw off the components.

Use PERI lifting accessories and lifting gear as well as only those load-bearing points provided on the component.

During the moving procedure,

- ensure that components are picked up and set down so that unintentional falling over, falling apart, sliding, falling down or rolling is avoided.
- no persons are allowed to remain under the suspended load.

The access areas on the jobsite must be free of obstacles and tripping hazards as well as being slip-resistant.

For transportation, the surface must have sufficient load-bearing capacity.

Use original PERI storage and transport systems, e.g. crate pallets, pallets or stacking devices.



## Transport position of the RCS MP 375

For transportation, the Side Mesh Barrier can be placed on the RCS MP 375.

The following sequence must be observed (from top to bottom):

1. Side Mesh Barrier left/right.
2. Timbers.
3. Side Mesh Barrier left/right.
4. Timbers.
5. Side protection for the front side.
6. Material Platform RCS MP 375.

(Fig. A1.01a)

Use the Material Box RCS-MP (72) for screws and small components. The box is placed next to the Side Mesh Barrier. (Fig. A1.02)

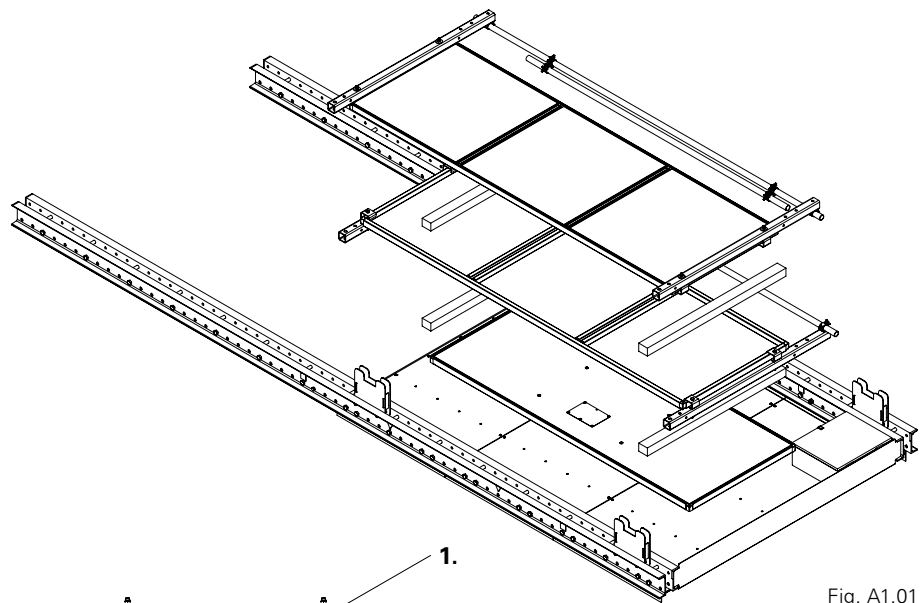


Fig. A1.01

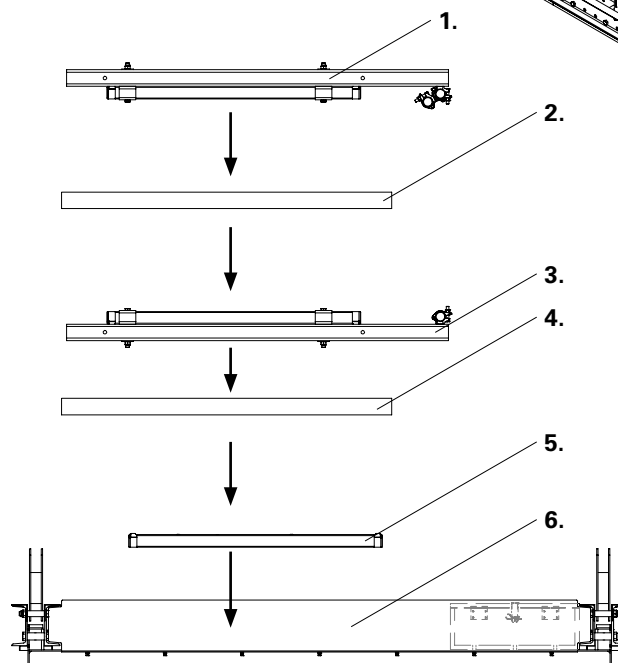


Fig. A1.01a

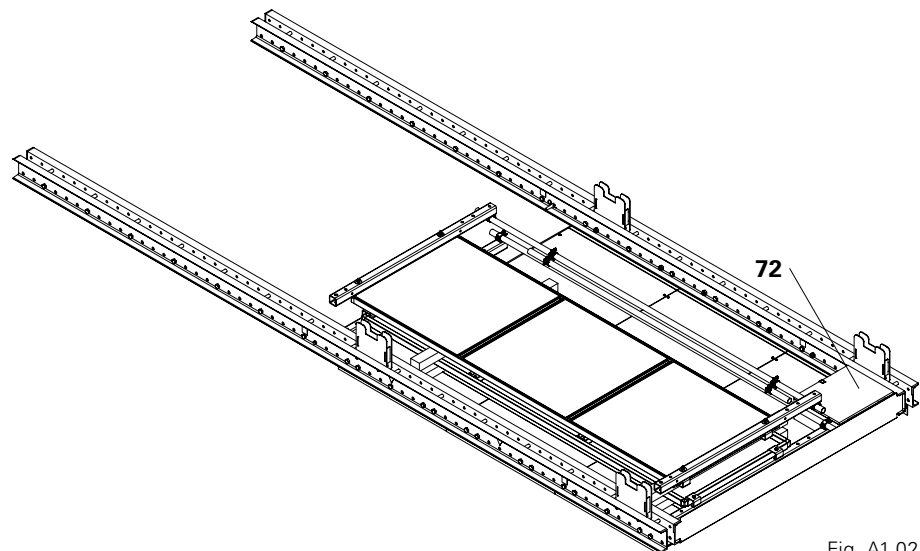
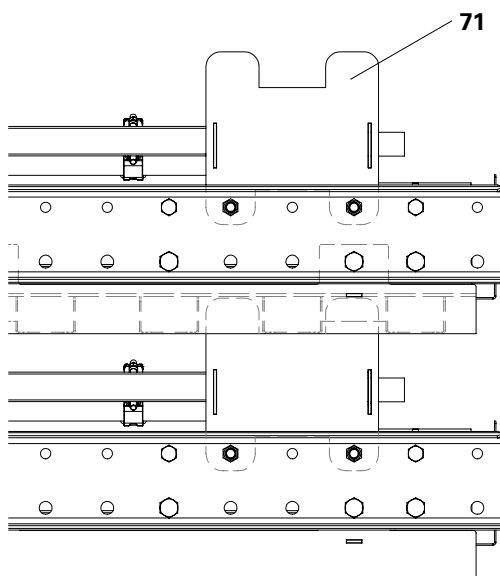
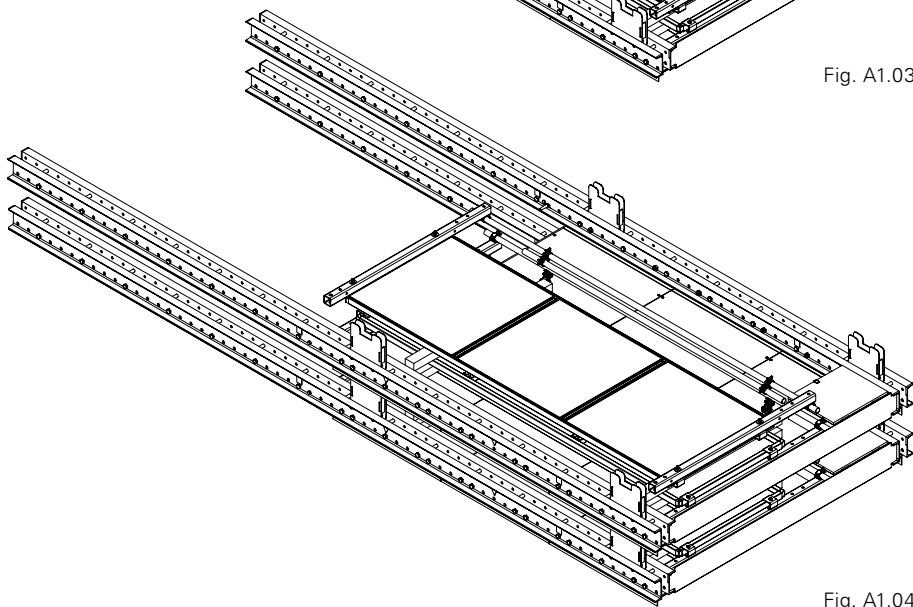
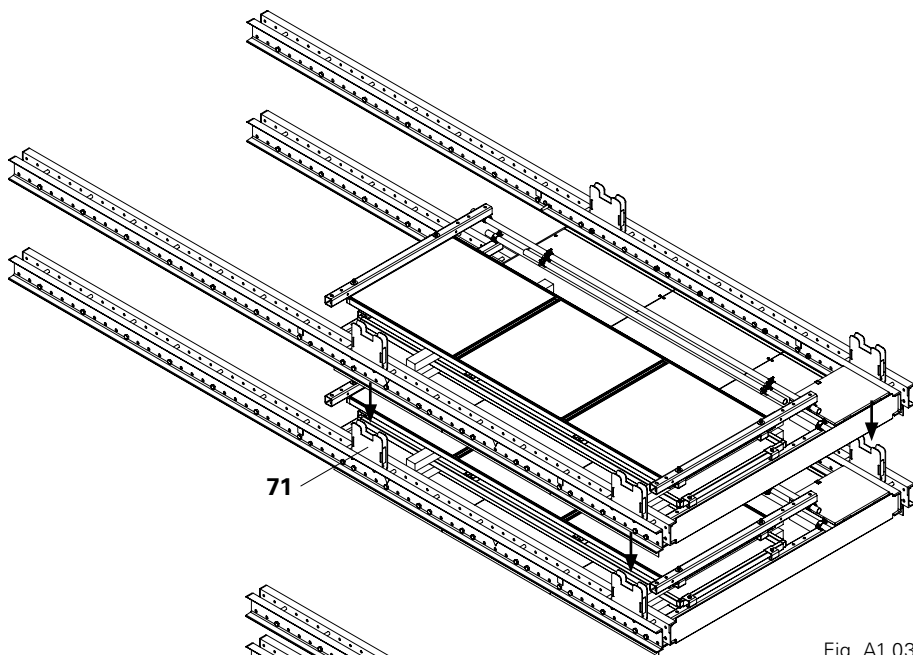


Fig. A1.02

## Stacking the RCS MP 375

1. Attach RCS MP 375 to the crane.  
(For positions, see Section D1)
2. Carefully bring the RCS MP 375 over other RCS MP 375.
3. Stack the RCS MP 375 on each other on the Stacking Aids RCS-MP (71).  
(Fig. A1.04a)



## Transport position of the RCS MP 550

For transportation, the Side Mesh Barrier can be placed on the RCS MP 550.

The following sequence must be observed (from top to bottom):

1. Side protection for the front side.
  2. Side Mesh Barrier left/right.
  3. Timbers.
  4. Side Mesh Barrier left/right.
  5. Timbers.
  6. Material Platform RCS MP 550.
- (Fig. A1.05a)

Use the Material Box RCS-MP (72) for screws and small components. The box is placed next to the Side Mesh Barriers. (Fig. A1.06)

Bracing is placed next to the individual components on the Material Platform RCS MP 550.

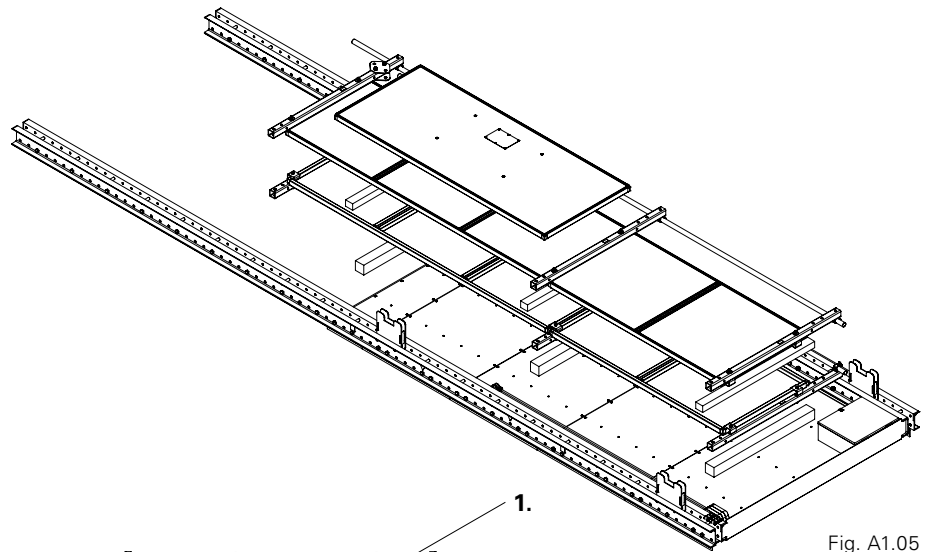


Fig. A1.05

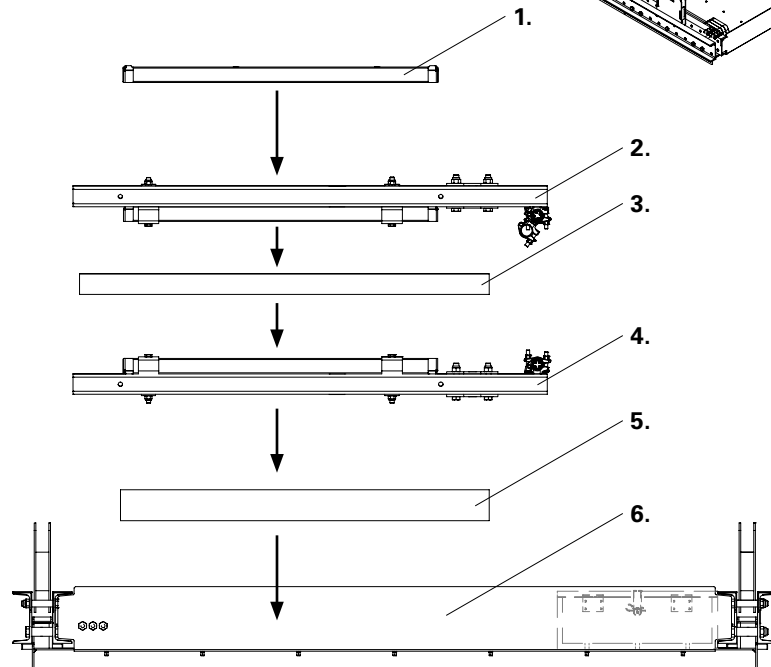


Fig. A1.05a

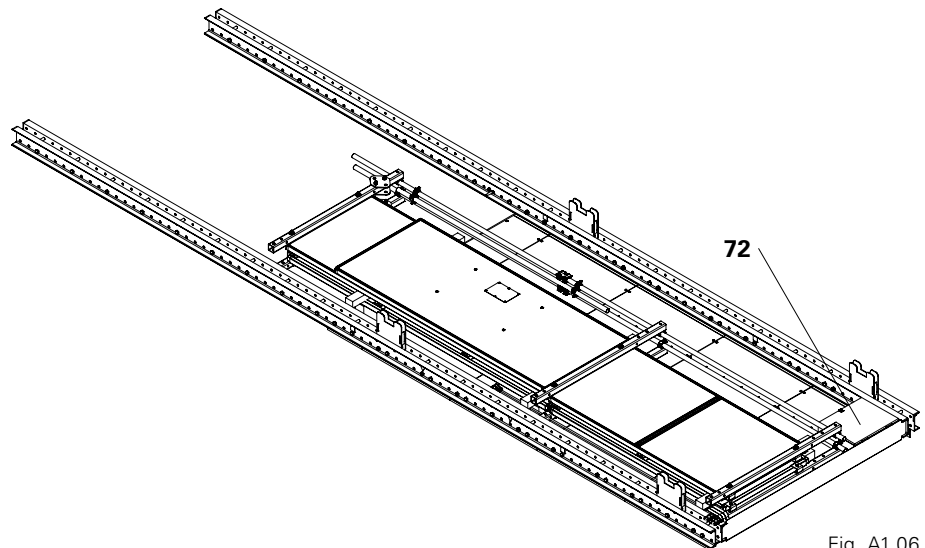


Fig. A1.06

## Stacking the RCS MP 550

1. Attach RCS MP 550 to the crane.  
(For positions, see Section D1)
2. Carefully bring RCS MP 550 over other RCS MP 550.
3. Stack the RCS MP 550 on top of each other on the Stacking Aids RCS-MP (71).(Fig. A1.04a)

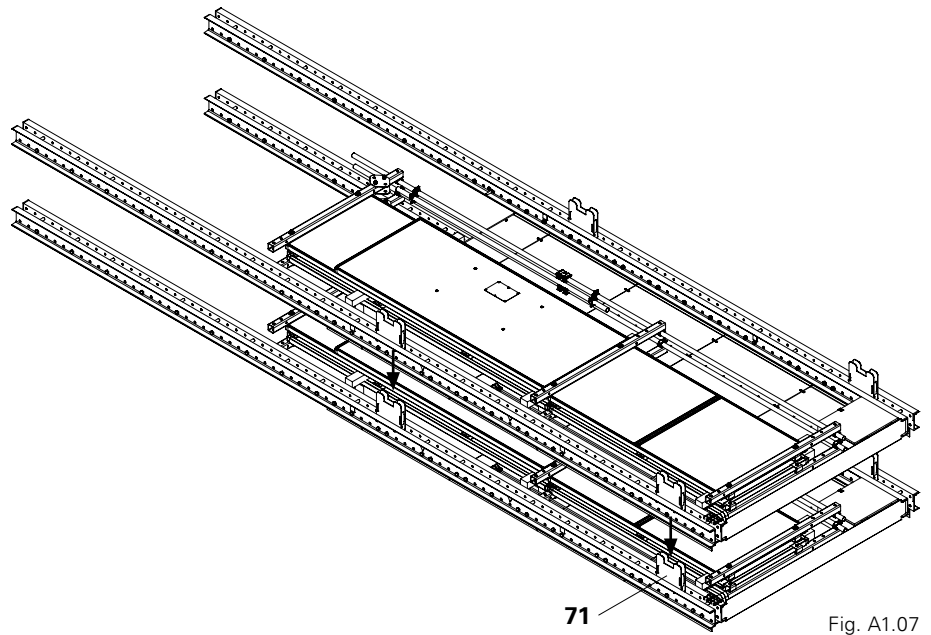


Fig. A1.07

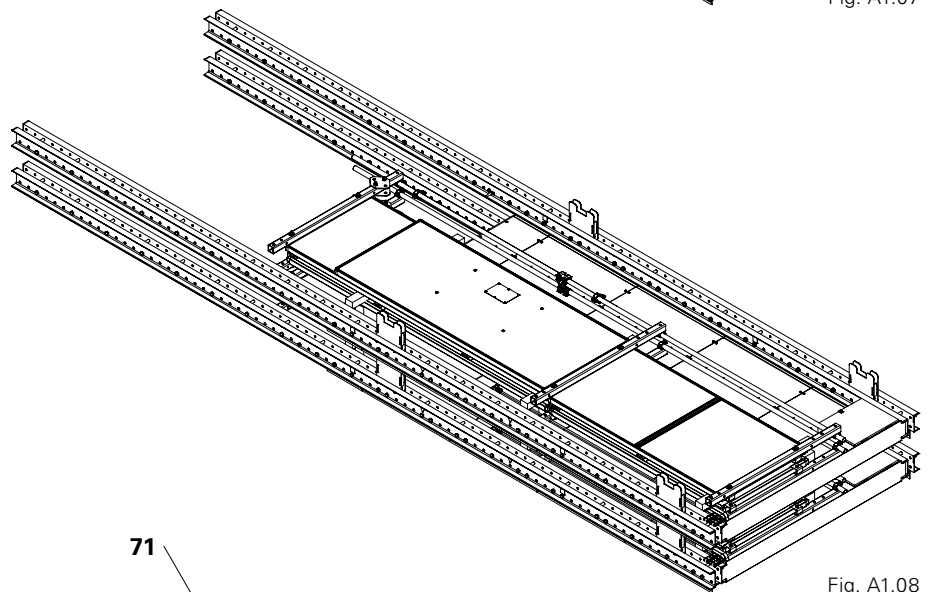


Fig. A1.08

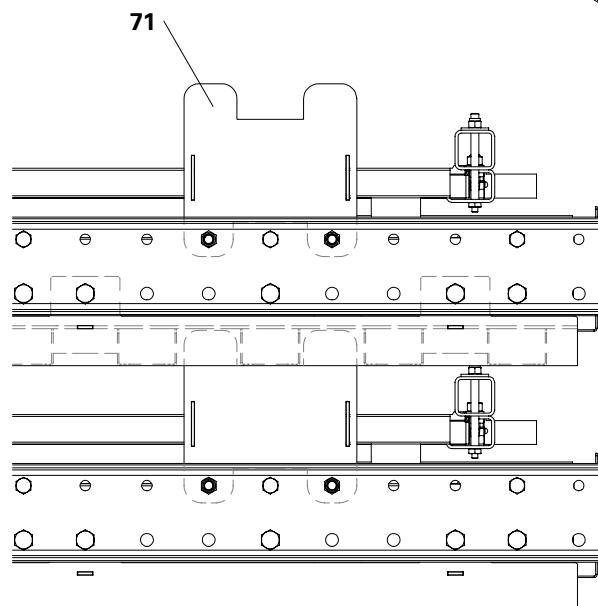


Fig. A1.08a

## RCS MP 375

With anchored version (Version 1).

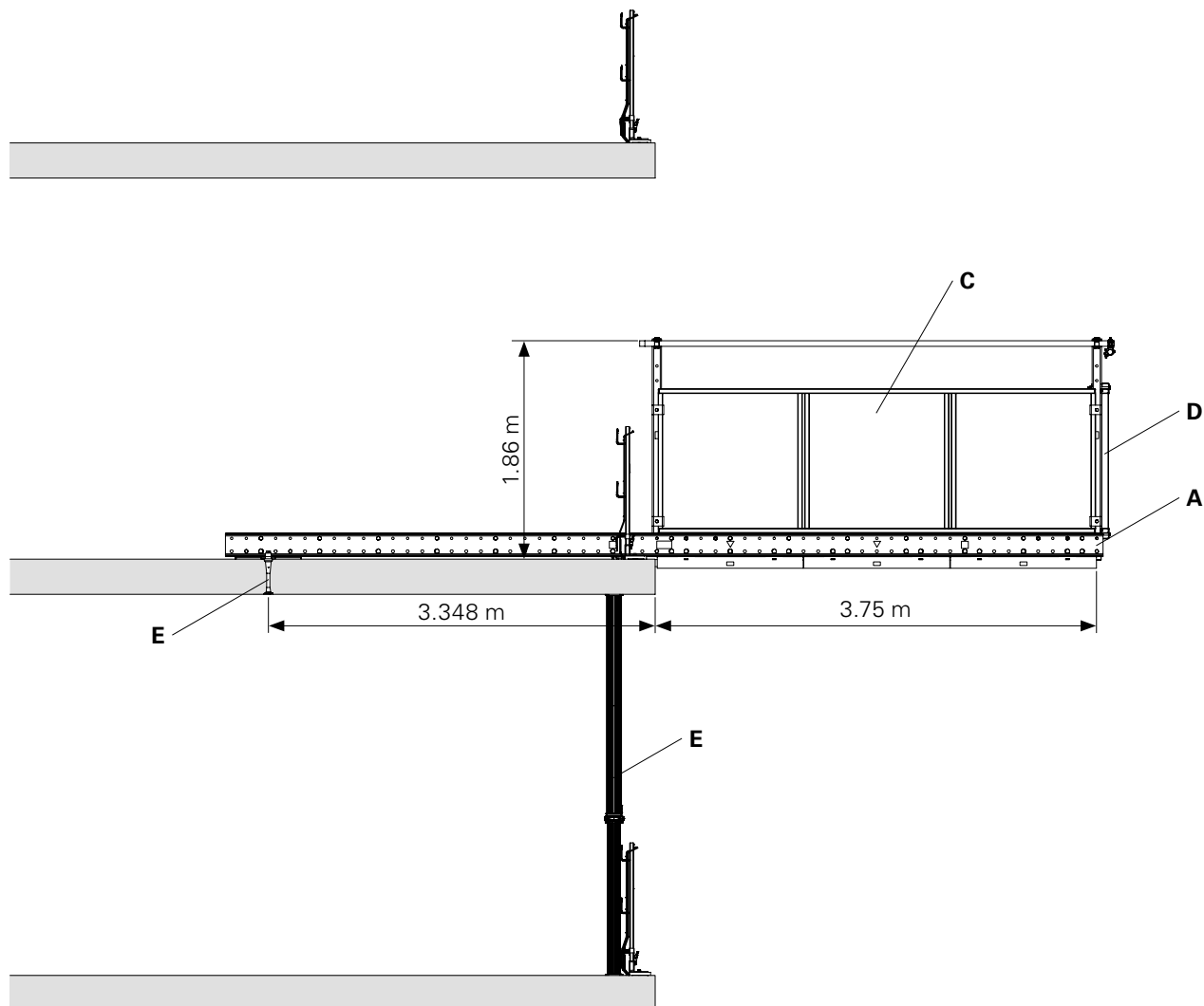


Fig. A2.01

- 
- A** Working platform
  - C** Side Mesh Barrier left/right
  - D** Side protection for the front side
  - E** Anchoring/support
- 

(See Section A3)



# A2 Platform dimensions

Top view

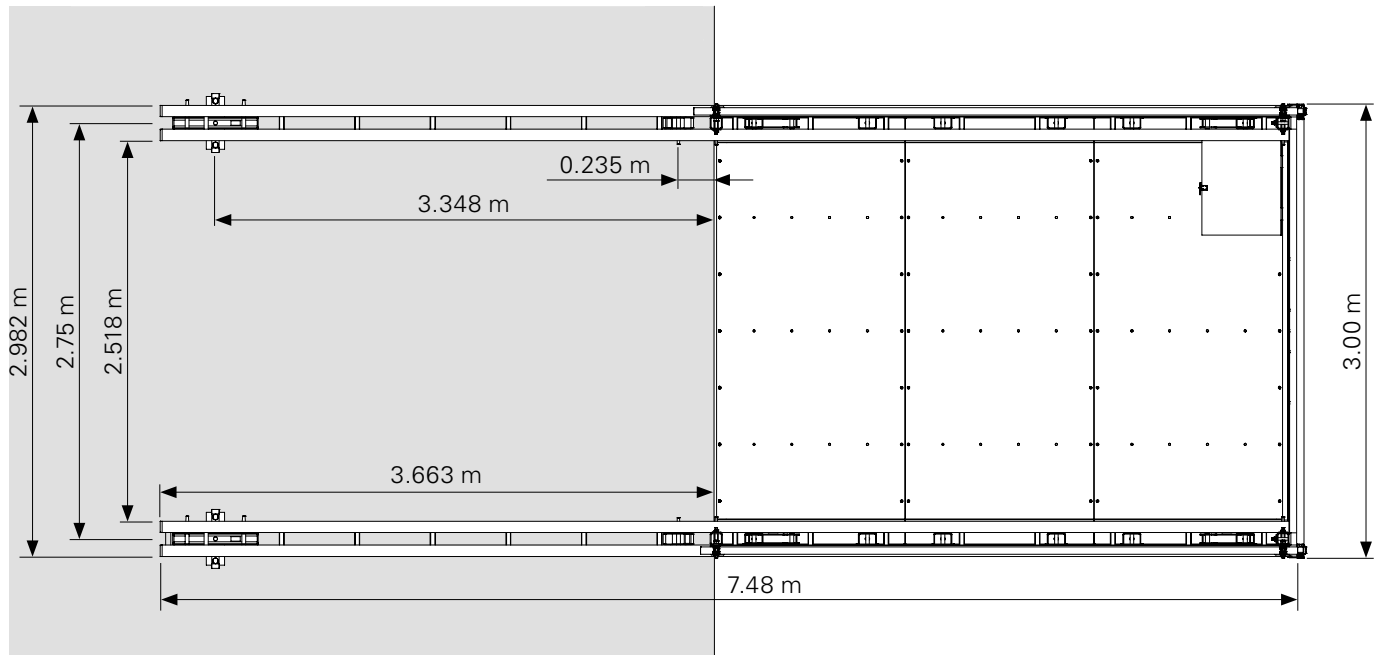


Fig. A2.02

Rear view

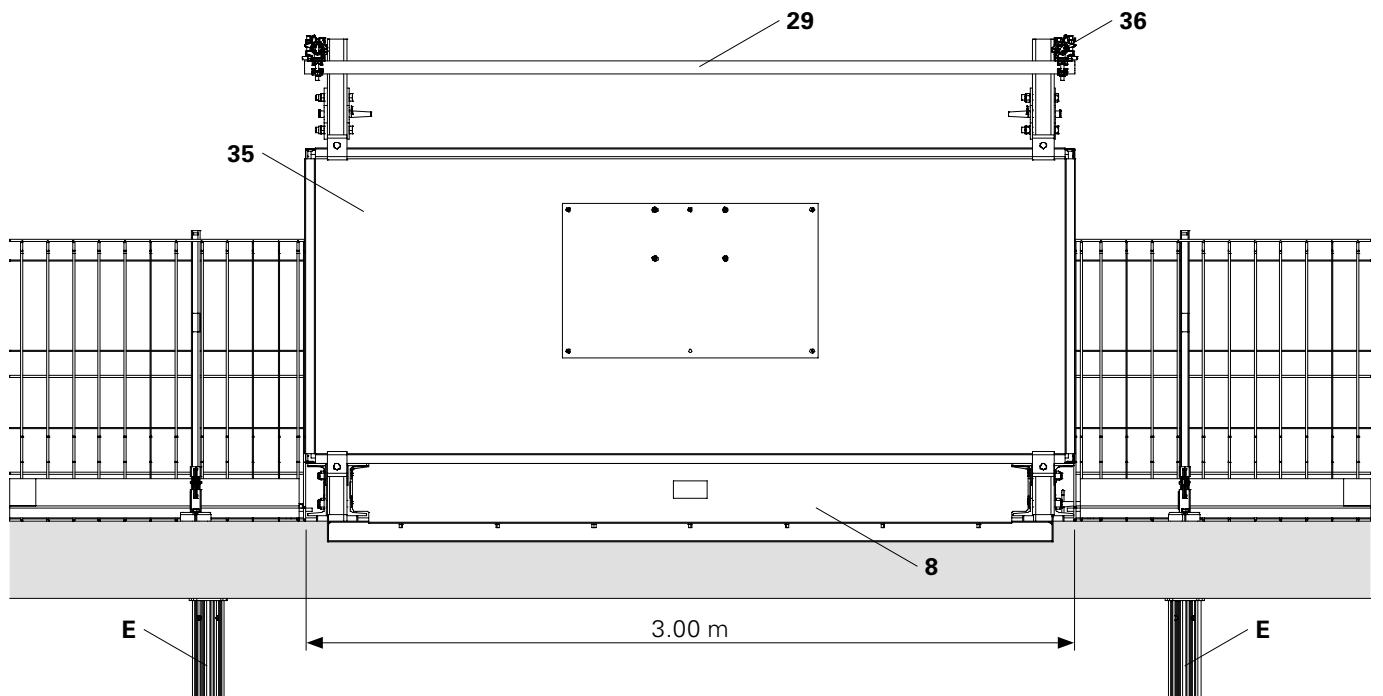


Fig. A2.03

## RCS MP 550

With anchored versions (Version 1).

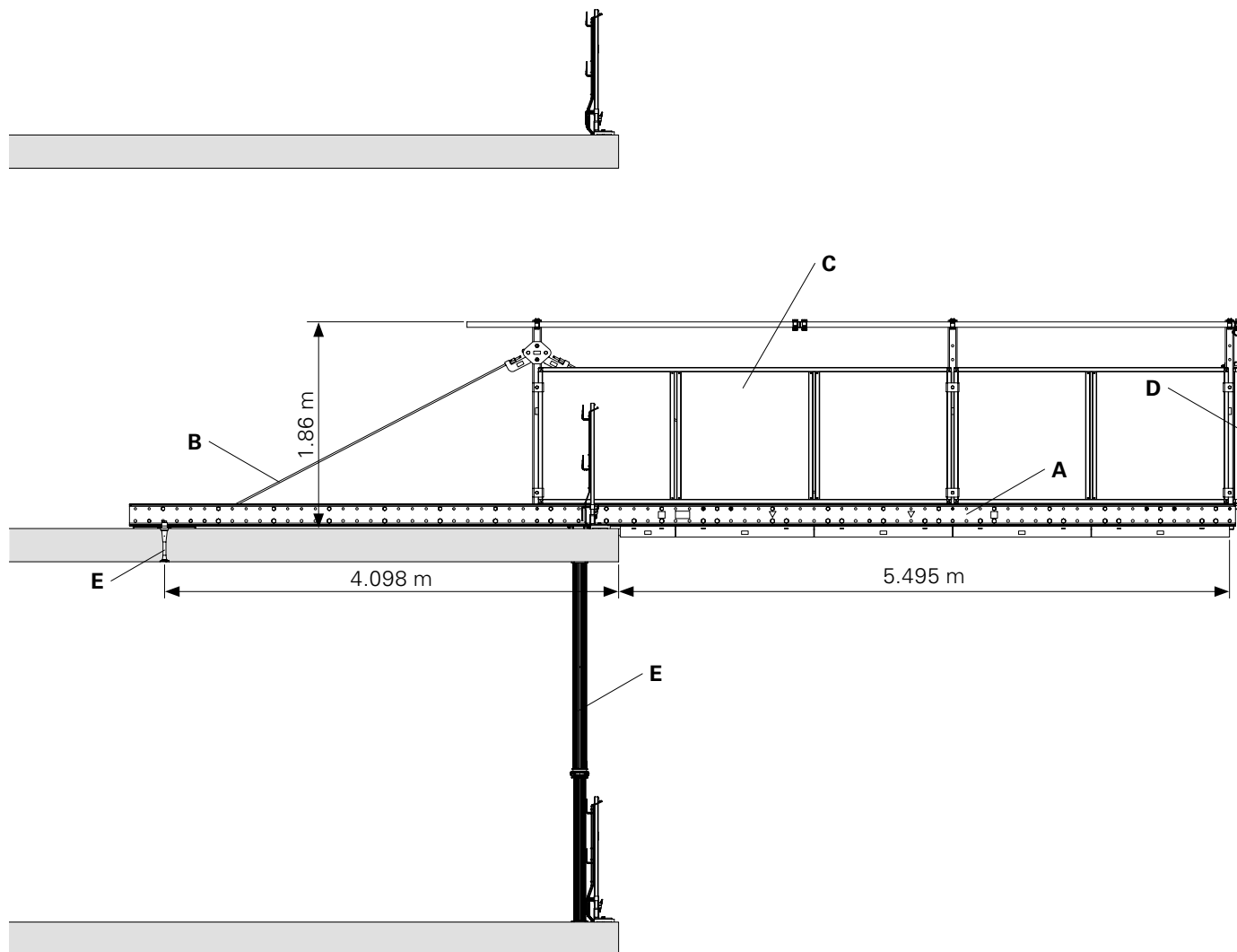


Fig. A2.04

- 
- A** Working platform
  - B** Bracing
  - C** Side Mesh Barrier left/right
  - D** Side protection for the front side
  - E** Anchoring/support
- 

(See Section A3)

# A2 Platform dimensions

Top view

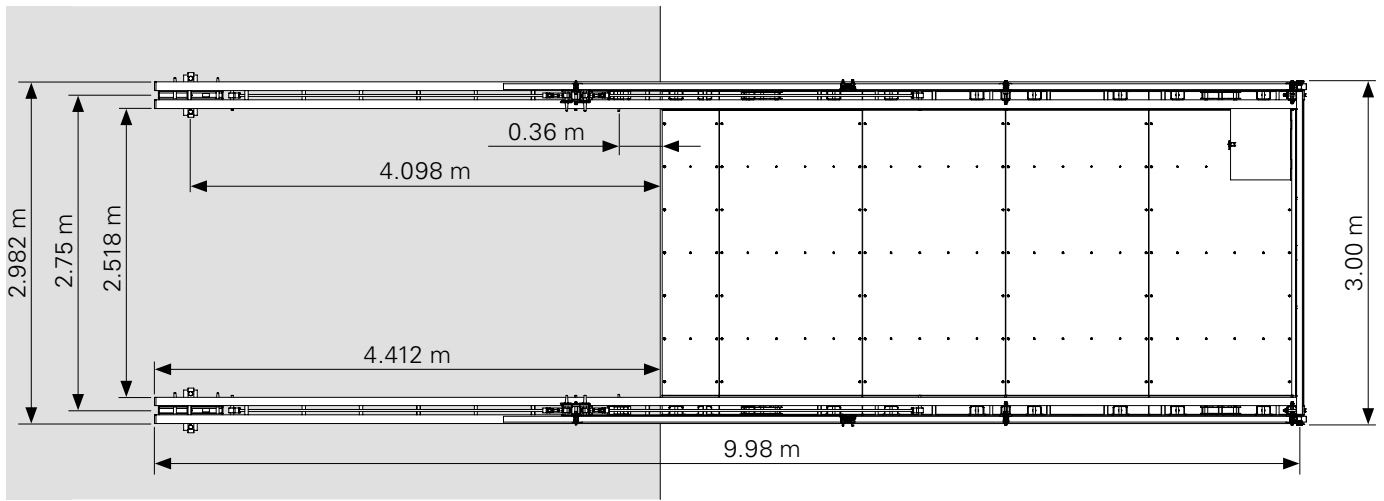


Fig. A2.05

Rear view

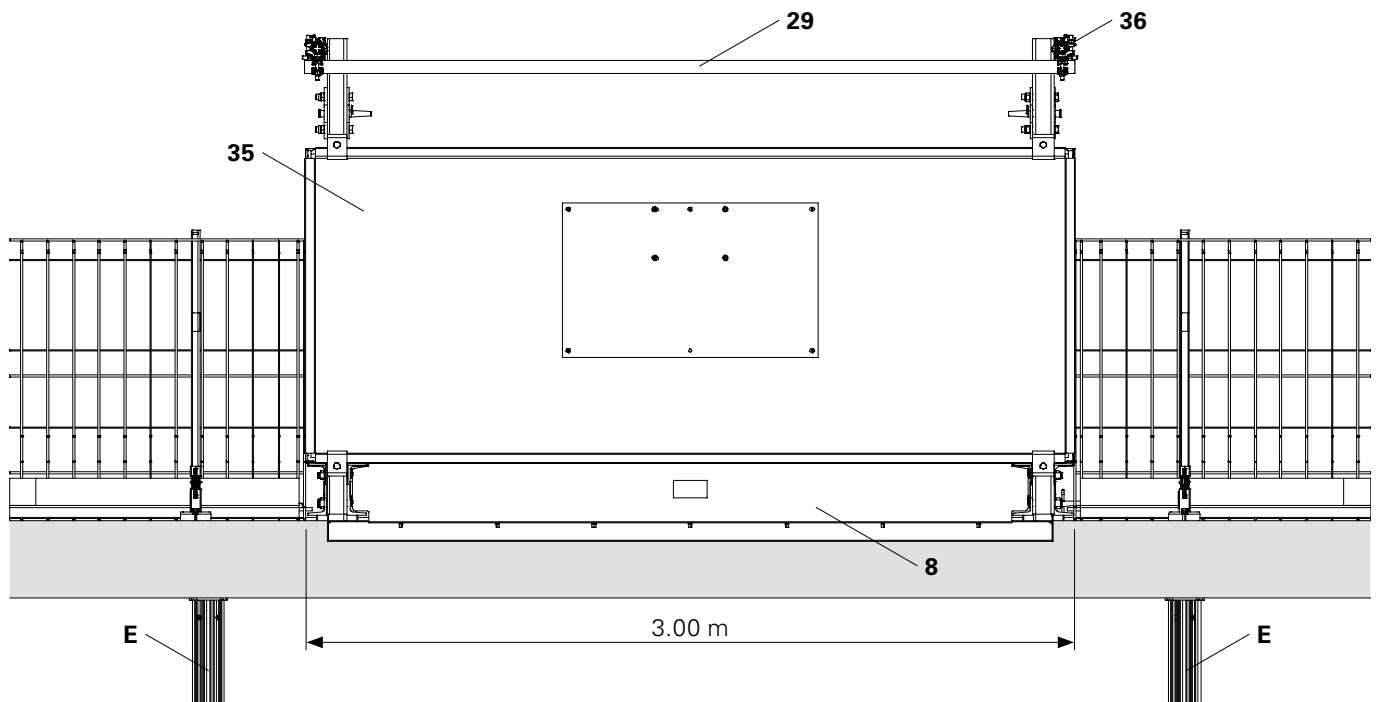


Fig. A2.06

	<b>Designation</b>	<b>Item no.</b>
<b>A</b>	<b>Working platform</b>	
1	Slab Support Anchor Shoe RCS M24	112359
2	Slab Support Alignment RCS	116538
3	Climbing Rail RCS 748	109472
4	Climbing Rail RCS 998	109610
5	Platform Panel RCS-MP 125 x 275	126508
6	Platform Panel RCS-MP 50 x 275	126512
7	Joint Filler Sheet RCS-MP 250	126500
8	Toeboard RCS-MP 263	126521
9	Oval-Head Screw ISO 7380 M10 x 25-10.9, galv.	125991
10	Timber 80 x 60 x 2800 mm	126537
11	TSS-Torx 8 x 44, galv.	104892
12	Bolt ISO 4014 M24 x 130-8.8, galv.	109612
13	Nut ISO 7042 M24-8, galv.	105032
14	Bolt ISO 4014 M20 x 120-8.8, galv.	104477
15	Nut ISO 7042 M20-8, galv.	781053
16	Fitting Pin Ø 26 x 120	111567
17	Cotter Pin 5/1, galv.	022230
<b>B</b>	<b>Bracing (only Material Platform RCS MP 550)</b>	
18	Bracing RCS-MP	126536
19	Connection Plate RCS-MP	126493
<b>C</b>	<b>Guardrails left / right</b>	
20	Telescopic Screen DX LPS 123 x 373	127560
21	Telescopic Screen DX LPS 123 x 248	127556
22	Guardrail Post RCS-MP	126495
23	Mesh Panel Clamp LPS, Single	117063
24	Mesh Panel Clamp LPS, Double	117158
25	Bolt ISO 4014 M16 x 180-8.8, galv.	113624
26	Washer ISO 7094 100 HV, A16, galv.	113349
27	Nut ISO 7042 M16-8, galv.	070890
28	Screw-On Coupling AK 48, galv.	017040
29	Scaffold Tube Steel Ø 48.3 x 3.2, l = 3.0 m	026413
30	Scaffold Tube Steel Ø 48.3 x 3.2, l = 4.0 m	026414
31	Tension Coupler Ø 48.3 mm, galv.	100908
32	Tube Connector Ø 48.3 mm, galv.	100909
33	Fitting Pin Ø 21 x 120	104031
34	Cotter Pin 4/1, galv.	018060
<b>D</b>	<b>End Guardrail</b>	
35	Side Protection RCS-MP S Front	127040
36	Swivel Coupling DK 48/48, galv.	017010

<b>E</b>	<b>Anchoring / Support</b>	
37	Screw-On Cone-2 M24/DW 20, galv.	114158
38	Threaded Anchor Plate DW 20	030860
39	Climbing Cone-2 M24/DW 15, galv.	031220
40	Threaded Anchor Plate DW 15	030840
41	Tie Rod DW 15 Special Length (alternatively Tie Rod B 15 Special length)	030030 (030740)
42	Wingnut Pivot Plate DW 15, galv.	030370
43	Anchor Plate RCS DW 20	114082
44	MULTIPROP MP 350	027290
45	MULTIPROP MP 480	027291
46	Compression Brace Head MP/SRU	107161
47	MULTIPROP Bolt with Nut	111142
48	Dowel Ø 12	
49	Spacer Tube Rough DR 22, l = 2.00 m	065027
50	Anchor Bolt PERI 14/20 x 130	124777
51	Bolt ISO 4014 M24 x 70-10.9, galv.	026430
52	Hex. Nut DW 15 SW 30/50, galv.	030070
53	Cam Nut DW 15, galv.	030130
54	Anchor Sleeve M24	026230
55	Spacer PP Ø 31/26, c = 25	026240
56	Bolt ISO 4014 M24 x 70-10.9	026430
<b>F</b>	<b>Indirect support</b>	
57	Spindle Counter Plate VARIOKIT	114618
58	Base Plate for Spindle Tube TR 48	018070
59	Bolt Ø 16 x 65/86, galv.	018050
60	Cross Connector VARIOKIT	111279
61	Steel Waler Universal SRU U120 l = 0.97 m	103871
62	Spindle Tube TR 48-75/40, galv.	018120
63	Quick Jack Nut TR 48-2, galv.	127604
<b>G</b>	<b>Miscellaneous</b>	
64	Timber 100 x 100	
65	Spacer M20-82	110022
66	Washer ISO 7089 200 HV, A20, galv.	706454
67	Nut ISO 4032 M20-8	710334
68	Spacer M24-82	110023
69	Crane Hook Sticker	127193
70	KK Concreting Cone M24-67/52	031652
71	Stacking Aid RCS-MP	127301
72	Material Box RCS-MP	727840
73	Bolt ISO 4014 M20 x 130-8.8, galv.	711078
74	Timber 100 x 70	

Table A3.01

## Overview of live loads



**The support structure (concrete slab) must be verified by means of a static calculation for these loads and states.**

Working scaffold of Load Class 3.

Maximum live loads:  
(in accordance with DIN EN 12811-1)  
– uniformly distributed load:  
 $q_1 = 200 \text{ kg/m}^2$

Table Trolley 2 t or Table Lift PTL

– Max. wheel loads:  
 $F_3 = 2 \times 700 \text{ kg}$  for  
– wheelbase > 1.25 m  
– track width > 0.65 m

State	Load on RCS MP		Max. wind speed v dynamic pressure q
	Live load	Payload	
Working state 1: Slab Table	75 kg/m <sup>2</sup>	27 kN incl. Table Trolley	v = 72 km/h q = 0.25 kN/m <sup>2</sup>
Working state 2: SKYDECK	150 kg/m <sup>2</sup>	10 kN incl. Table Trolley	v = 72 km/h q = 0.25 kN/m <sup>2</sup>
Working state 3: other materials	200 kg/m <sup>2</sup>	–	v = 72 km/h q = 0.25 kN/m <sup>2</sup>
Moving: working not permitted	–	–	v = 64 km/h q = 0.2 kN/m <sup>2</sup>
Non-operational: working not permitted	–	–	v = 164 km/h q = 1.3 kN/m <sup>2</sup>

Table A4.01

## Operating state: working



- The RCS MP must not be used as a permanent storage area.
- Live loads must be evenly distributed.
- High point loads must be avoided.
- Max. permissible wind speed 72 km/h. (Wind flow pressure  $q = 0.25 \text{ kN/m}^2$ )



- The RCS MP is freely accessible for the work to be carried out.
- The material is moved across the floor slabs onto the platform and transported with the crane.

## Operating state: moving



- During moving operations, no persons are allowed to remain on the RCS MP.
- No materials may be transported during the moving procedure.
- Max. permissible wind speed 64 km/h. (Wind flow pressure  $q = 0.20 \text{ kN/m}^2$ )



- Moving the RCS MP with the crane.
- Remove materials and loads from the RCS MP before moving.

## Non-operational



- Materials and loads must be removed from the RCS MP.
- Accessing the RCS MP is not allowed during storm conditions.



- The RCS MP must be non-operational:
  - during longer work breaks,
  - overnight,
  - in case of storm warnings,
  - for measured wind speeds above 72 km/h.
- The assumed wind speed depends on the utilization height, wind zone and the terrain category in accordance with DIN 1055-4 or Eurocode 1 (DIN EN 1991-1-4).
- If a storm warning with wind speeds higher than 164 km/h is issued, an authorized person must be informed. The RCS MP must be removed immediately from the building.



- For all decisive load cases, the anchorage and load transfer into the concrete as well as the transfer of forces into the building must be statically proven by the contractor.
- If the geometry of the platforms varies or should the load deviate, the loads which affect the anchorage and building are to be taken from a project-specific calculation.
- In this case, the maximum reaction forces are to be shown on the general arrangement drawings.

## Clamped versions



With this type of anchorage, no MULTIPROP MP is to be clamped during storm conditions in order to prevent sliding.

### Variant 1

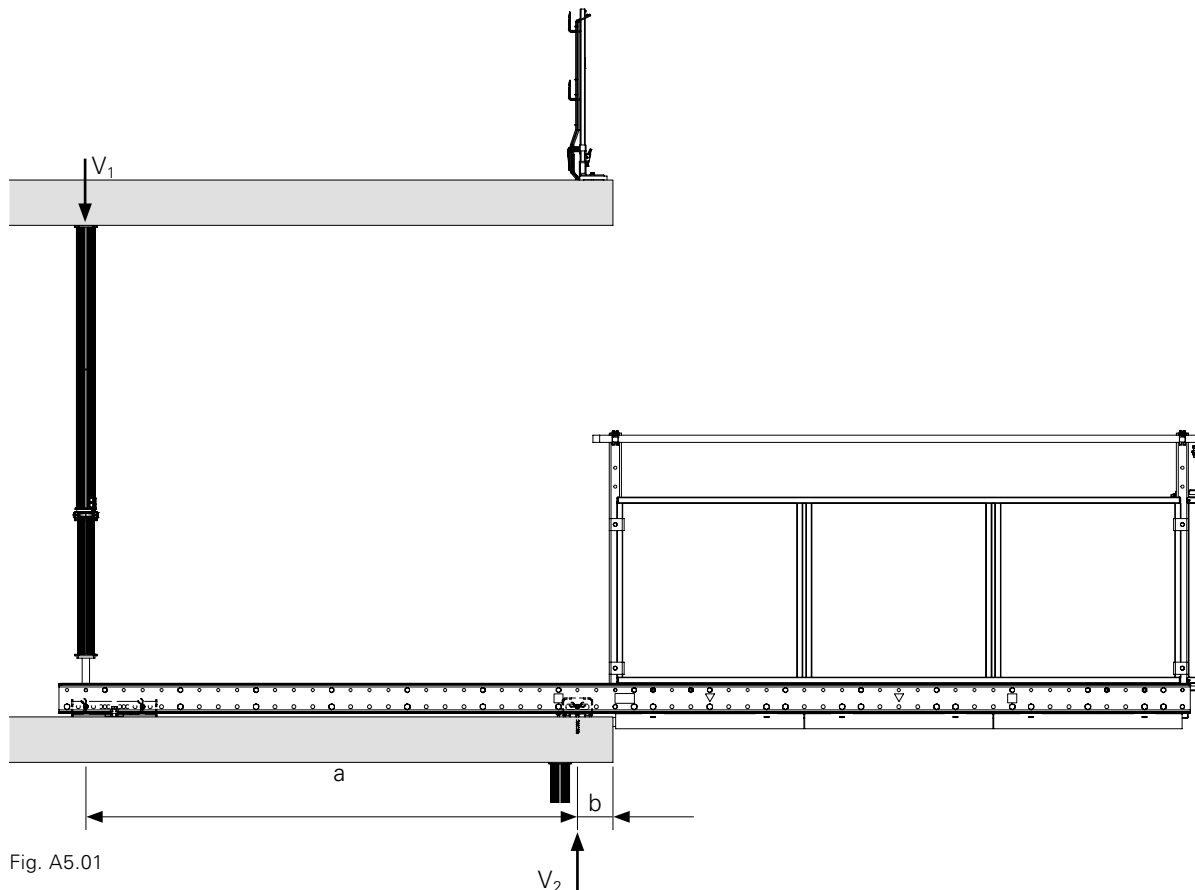


Fig. A5.01



## Variant 2

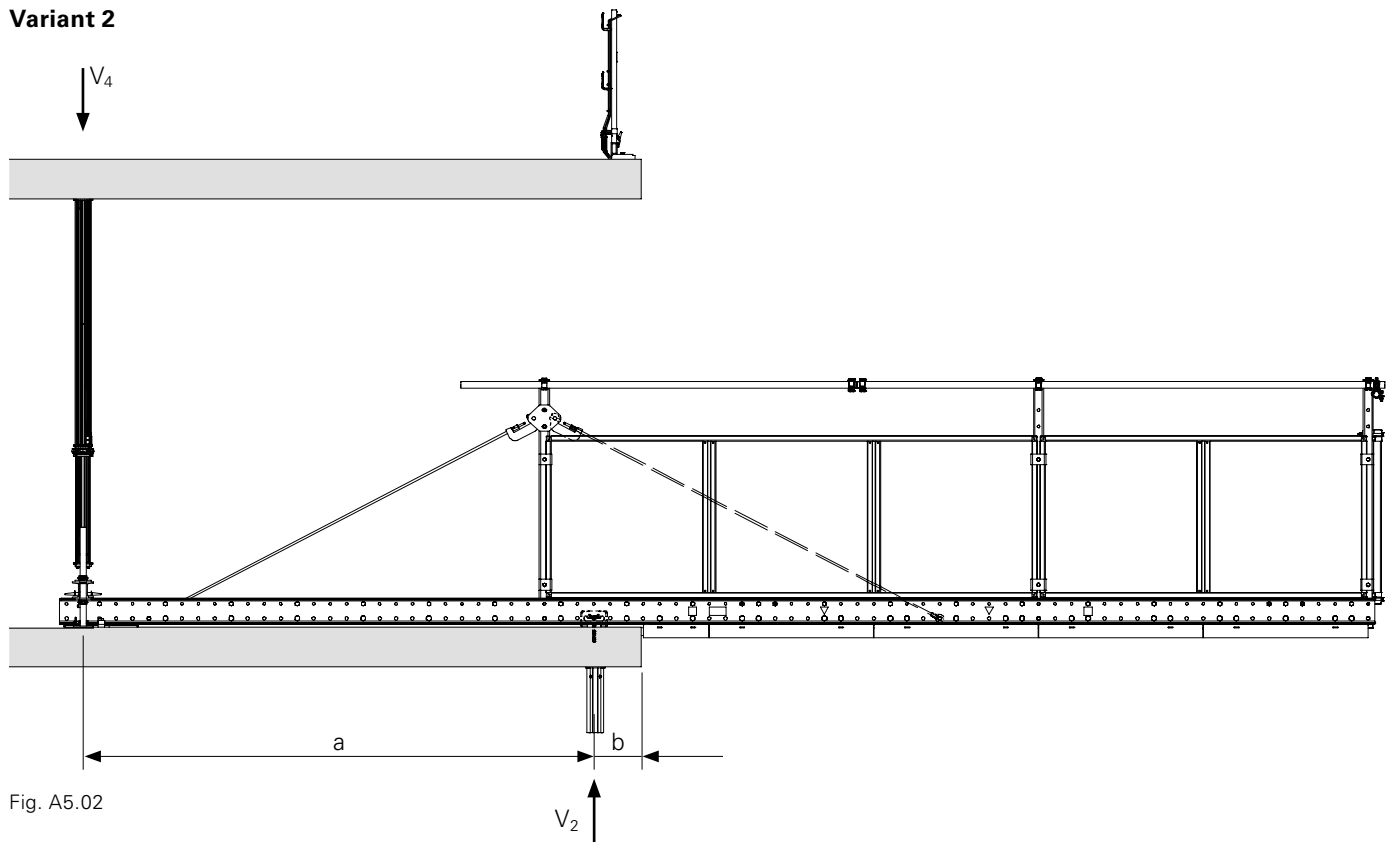


Fig. A5.02

### Maximum characteristic reaction forces

Anchorage versions		RCS MP 375	RCS MP 550
<b>Clamped with MULTIPROP</b>	$V_1$	16 kN	26 kN
	$V_2$	40 kN	60 kN
<b>Clamped with MULTIPROP (indirect support)</b>	$V_2$	40 kN	60 kN
	$V_3$	10 kN	16 kN
	$V_4$	26 kN	42 kN
<b>Basic</b>	a	3.25 m	3.88 m
<b>Distance to edge</b>	b	0.24 m	0.36 m

Table A5.01

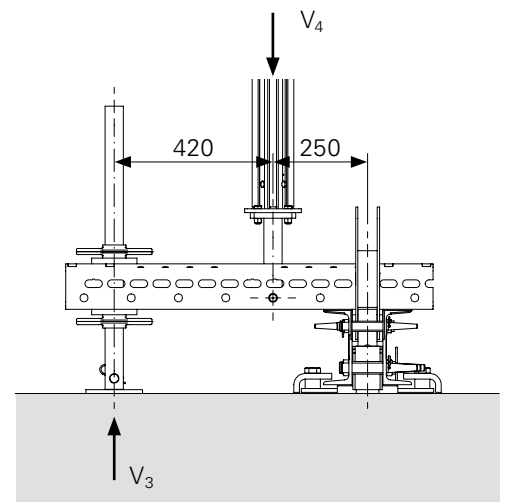


Fig. A5.03

## Anchored versions

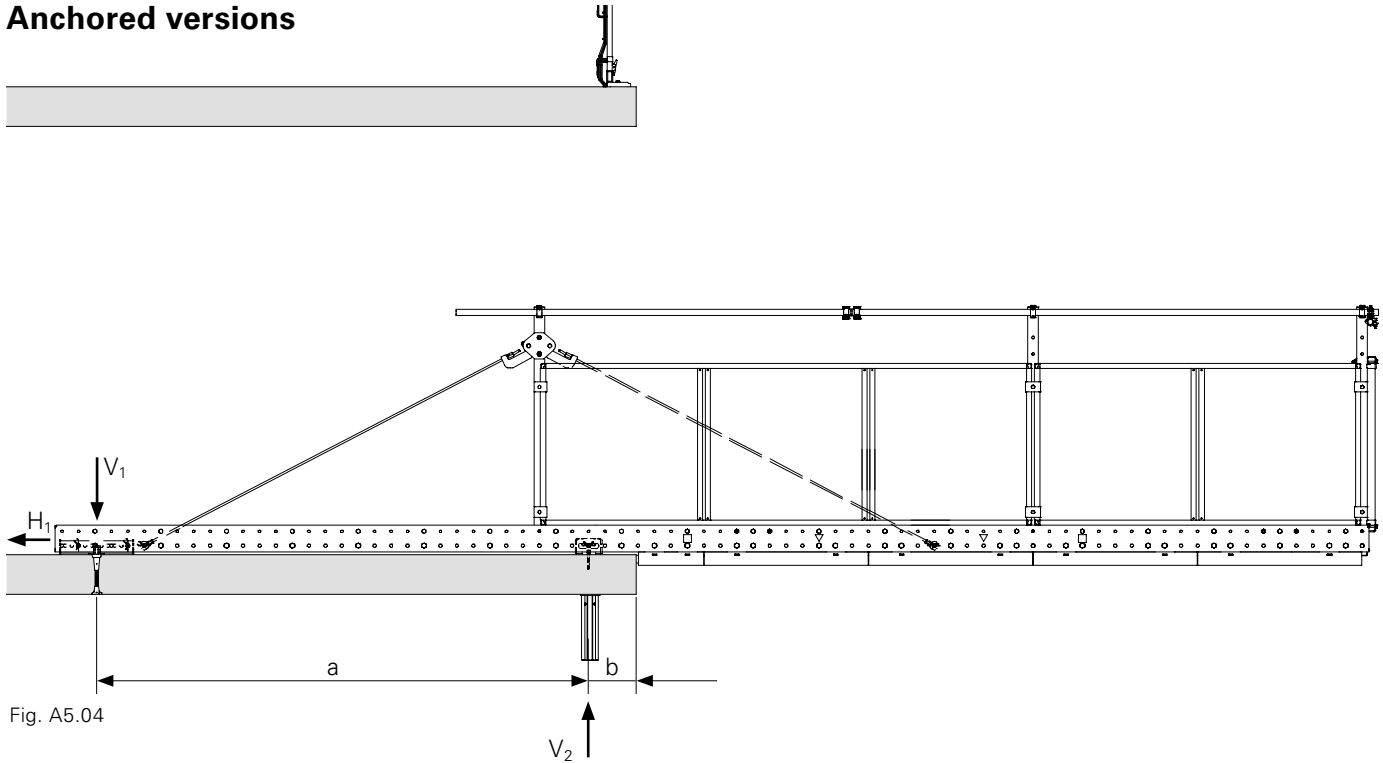


Fig. A5.04

The specified reaction forces do not act simultaneously and apply to an individual anchor or contact point.

For verification with the design method with partial safety factors, the values are to be multiplied by the partial safety factor for effects  $\gamma_F = 1.5$ .



The contractor or his representative responsible for the installation of the anchoring is also responsible for the correct assembly and intended use. In addition, he shall arrange for the delivery and correct installation of any required additional reinforcement. A record must be kept of the verification of the existing concrete strength, the inspection of individual components, proper assembly and the anchoring depth. A separate statical proof in accordance with the approval is required if the conditions deviate.

### Maximum characteristic reaction forces

Anchorage version		RCS-MP 375		RCS-MP 550	
		Working	Non-operational	Working	Non-operational
<b>Climbing Anchor M24</b>	$H_1$	$\pm 5$	$\pm 13$	$\pm 9$	$\pm 27$
	$V_1$	16	8	26	12
	$V_2$	40	10	60	14
Climbing Cone-2 M24/DW 15 $h_{nom} \geq 185 \text{ mm}$	min. $f_c$	10 N/mm <sup>2</sup>		10 N/mm <sup>2</sup>	
Screw-On Cone-2 M24/DW 20	min. $f_c$	10 N/mm <sup>2</sup>		10 N/mm <sup>2</sup>	
<b>Base</b>	a	3.06 m		3.74 m	
<b>Distance to edge</b>	b	0.24 m		0.36 m	

Table A5.02



- The details regarding the required concrete strength (min.  $f_c$ ) refer to an actual cube compressive strength (150 mm) for local load transfer with PERI climbing anchors into the supporting building slab at the time of loading the RCS MP.
- For calculations in accordance with the building authority approval for Climbing Cone-2 M24/DW 15 see Z-21.6-1767, and for Screw Cone 2 M24/DW 20 see Z-21.6-1766.

## Additional measures during storm conditions

### RCS 375

In the event of a storm, brace the MULTIPROP MP (44/45) between the top floor slab and Climbing Rail RCS in order to prevent slipping.  
(Fig. A5.05a + A5.05b)

### RCS 550 with bracing

In the event of a storm, brace the MULTIPROP MP (44/45) with timber 100 x 100 (64) between the top floor slab and Climbing Rail RCS in order to prevent slipping.  
(Fig. A5.06a + A5.06b)

### RCS MP Material Platform on the top floor slab

Additional anchoring in the Slab Support Alignment with Climbing Anchor M24 either with:

- Anchor Sleeve M24,
- Climbing Cone-2 M24/DW 15 or
- Screw-On Cone-2 M24/DW 20.

(See Section B1)

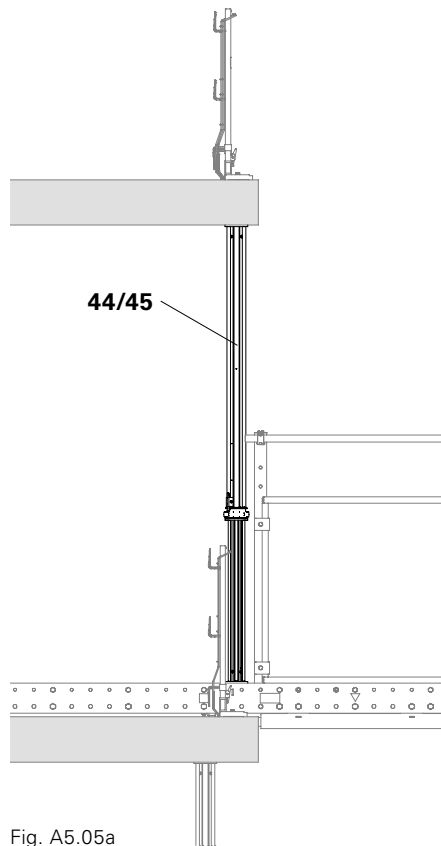


Fig. A5.05a

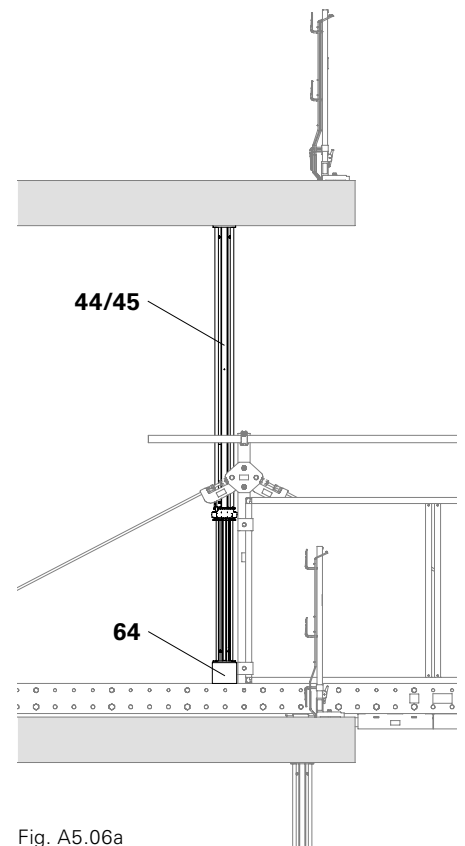


Fig. A5.06a

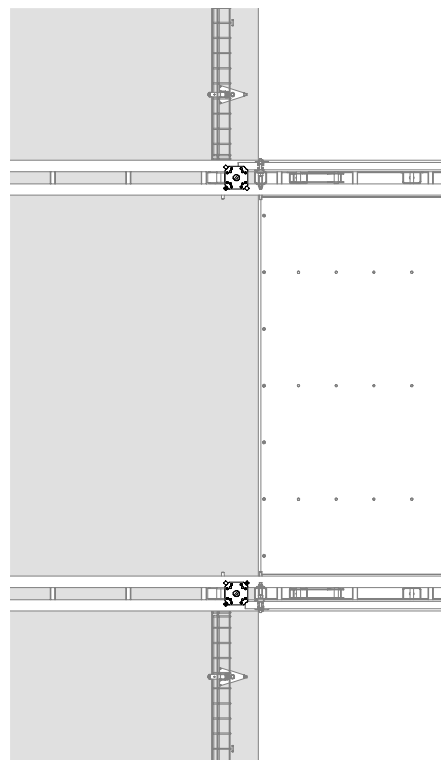


Fig. A5.05b

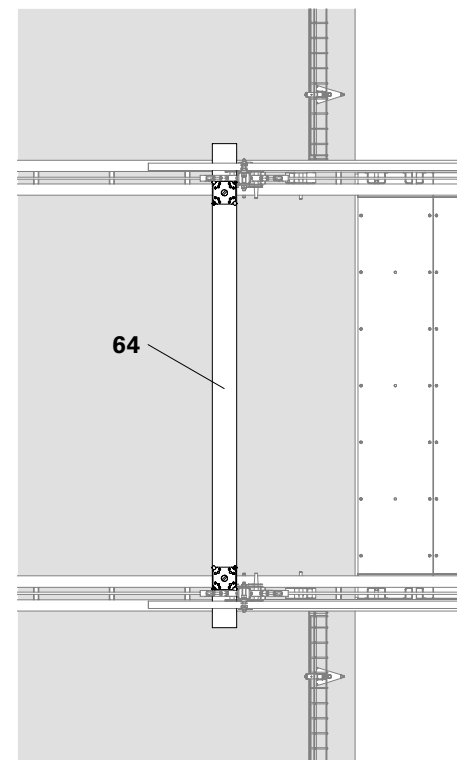


Fig. A5.06b

## Transport of materials



With the method of fastening using clamping between the floor slabs with MULTIPROP MP, it must be ensured that the passageway width is sufficient for moving the tables or loads.

### Example 1:

Material transport of panel slab formwork with the crane. (Fig. A6.01)  
The procedure is described in detail in Section C2.

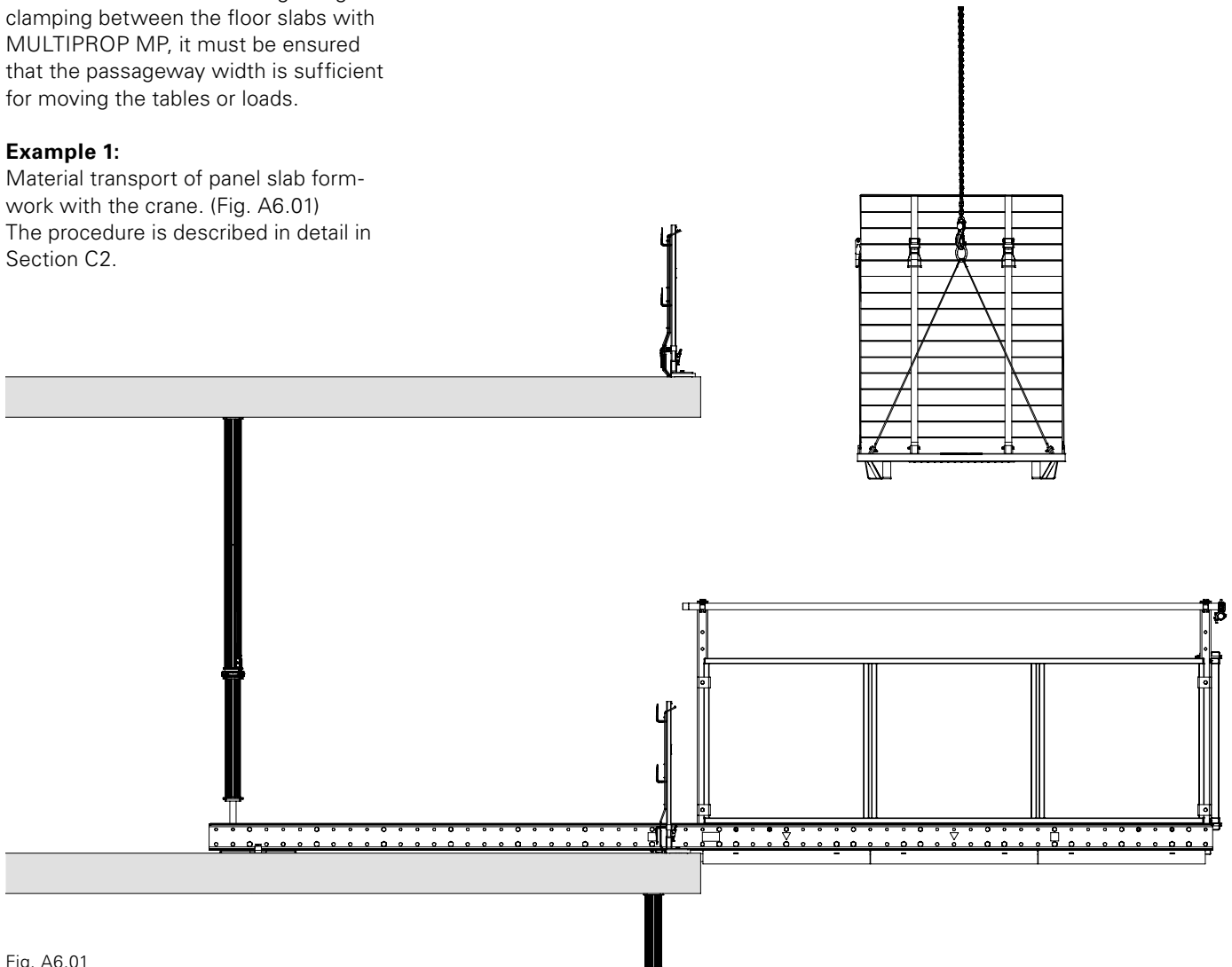


Fig. A6.01

**Example 2:**

Transport of formwork tables with the crane and lifting fork. (Fig. A6.02)  
The procedure is described in detail in Section C1.

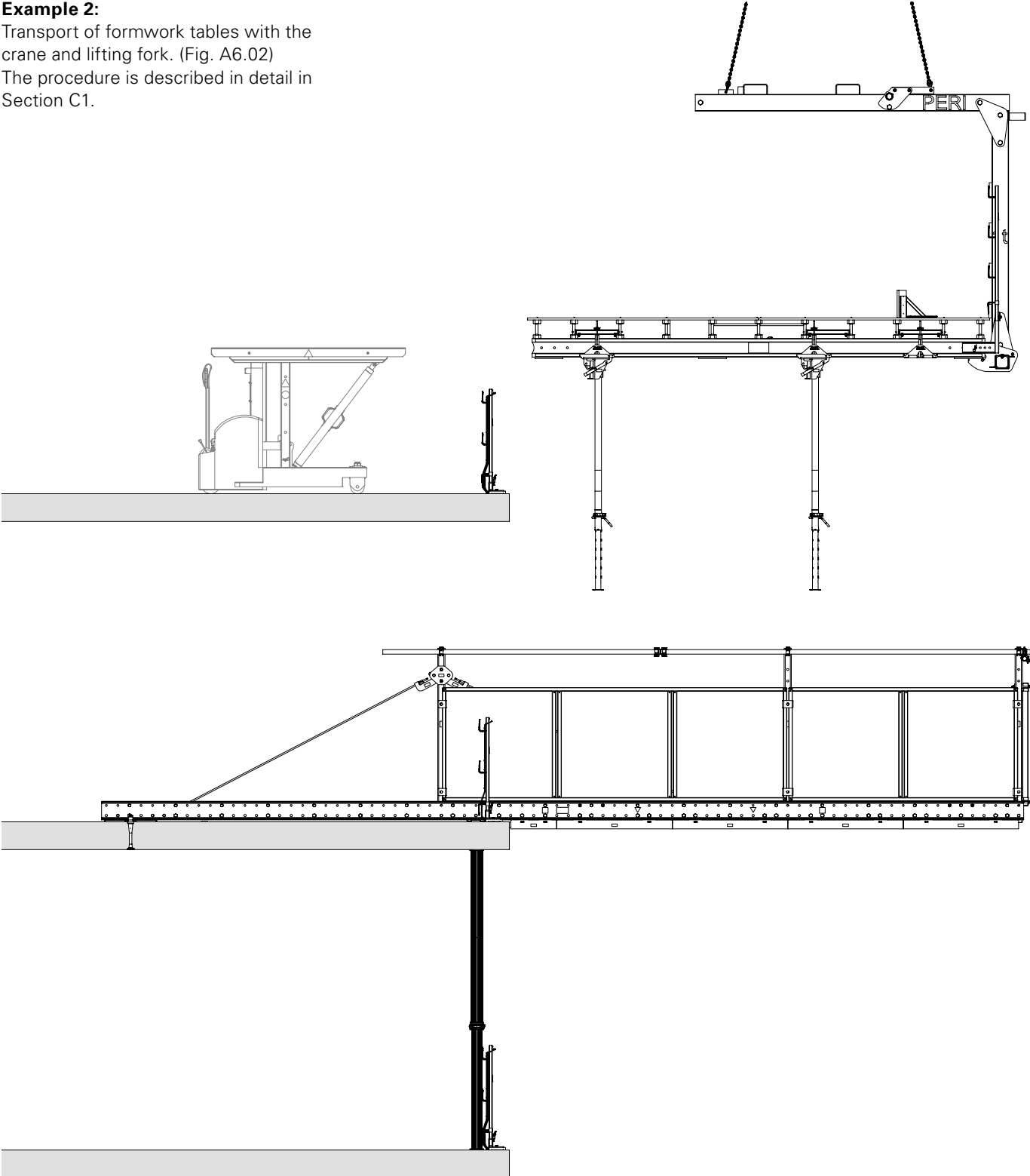


Fig. A6.02

## Pressure point at the slab edge with the Slab Support Alignment RCS



The distance to the slab edge must be  $b \geq 200$  mm.

Spacings:

RCS-MP 375     $b = 235$  mm

RCS-MP 550     $b = 550$  mm

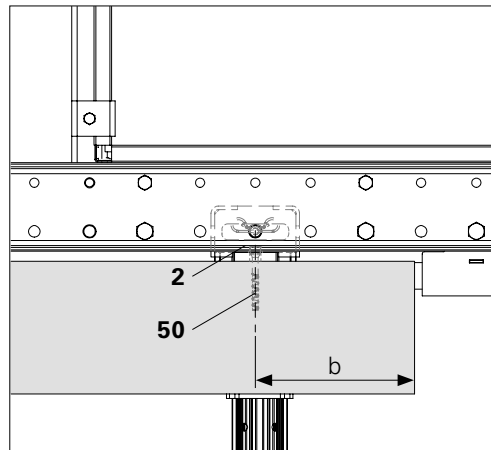


Fig. B1.01

## Clamped versions



- For securing during platform use, the Quick Jack Nut of the MULTIPROP MP must be made temporarily non-operational in order to prevent accidental release.
- This can take place, for example, by means of a wire or covering.

### Version 1



For this fastening version it must be ensured that the free passageway width between the MULTIPROP MP is only approx. 2.53 m. When using PERI standard tables with widths of 2.65 m, a widening of the passageway (Version 2) or anchoring in the floor slab is required.

### Points of supports:

- Slab Support Anchor Shoe RCS M24 (1).
- Slab Support Alignment RCS (2).

### Function

- Clamped between floor slabs with MULTIPROP MP (44/45).
- Location fixation on the Slab Support Anchor Shoe RCS with the Anchor Bolt PERI 14/20 x 130 (50) and on the MULTIPROP MP using Dowels  $\varnothing 12$  (48). (Fig. B1.02a + B1.02e).

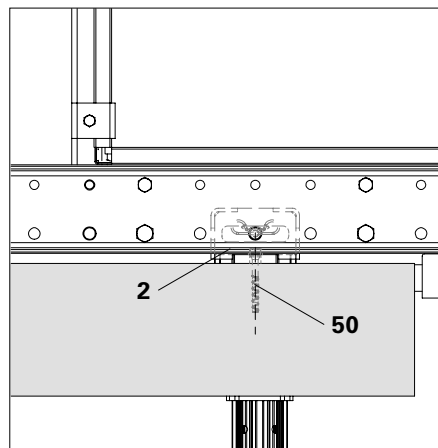


Fig. B1.02a



The Quick Jack Nut of the MULTIPROP MP must be secured and clearly marked in order to prevent any accidental release.

### Assembly of the MULTIPROP MP

1. Fix the Compression Brace Head MP/SRU (46) to the MULTIPROP MP (44/45) with 4x MULTIPROP bolts and nuts (47). (Fig. B1.02b)
2. Fix the Compression Brace Head MP/SRU (46) to the Climbing Rail RCS (3/4) using 1x Fitting Pin  $\varnothing 21 \times 120$  (33) and secure with Cotter Pin 4/1 (34). (Fig. B1.02c)
3. Spindle out the MULTIPROP MP (44/45) and press against the concrete slab. (Fig. B1.02d)
4. Secure the head of the MULTIPROP MP (44/45) in position in the concrete slab with Dowels  $\varnothing 12$  (48). (Fig. B1.02e)
5. Protect the Quick Jack Nut of the MULTIPROP MP (44/45) against accidental use.

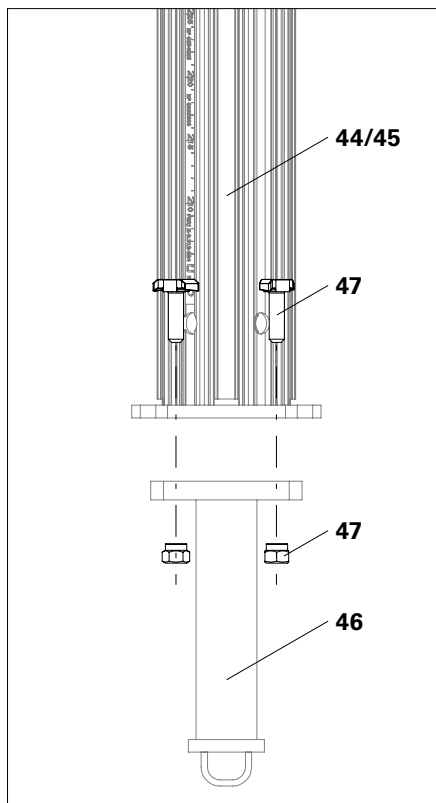


Fig. B1.02b

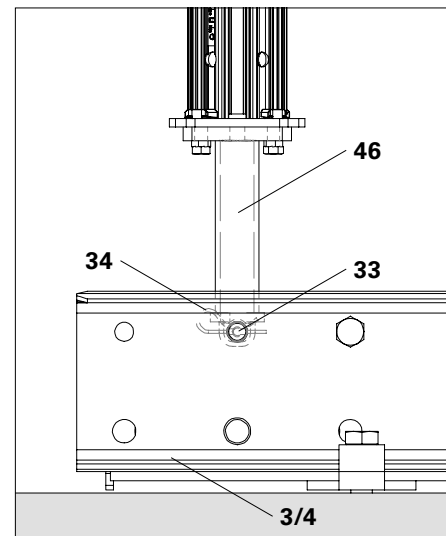


Fig. B1.02c

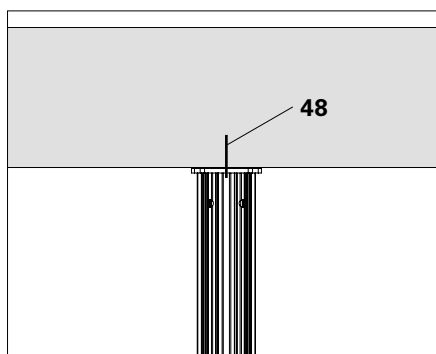


Fig. B1.02e

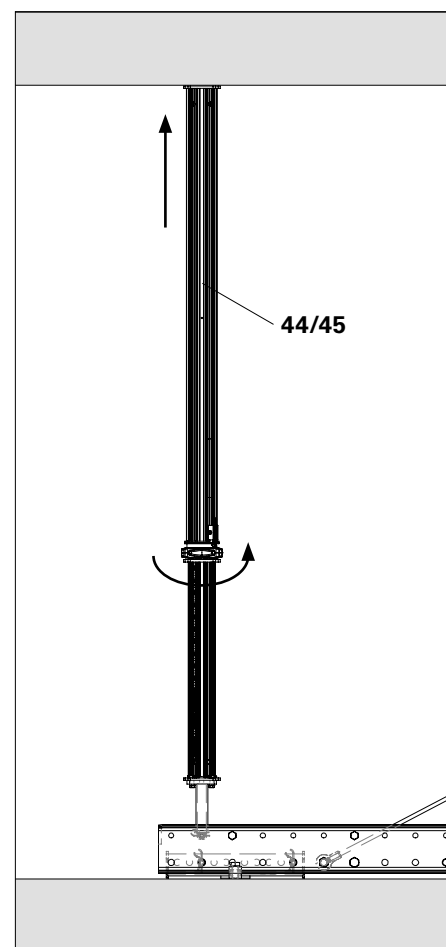


Fig. B1.02d

## Version 2



By indirectly supporting the Climbing Rail RCS (3/4) with the help of a Steel Waler SRU U120 (61) and a Spindle Tube TR 48-75/40 (62), the upper passageway width between the MULTIPROP MPs can be increased to 3.03 m. The spacing between the SRU U120 (61) and floor is 220 mm.

### Points of support:

- Slab Support Anchor Shoe RCS M24 (1).
- Slab Support Alignment RCS (2).

### Function

- Clamped between floor slabs with MULTIPROP MP (44/45).
- Passageway is widened with indirect support.
- Location fixation on the Slab Support Anchor Shoe RCS with the Anchor Bolt PERI 14/20 x 130 (50) and on the MULTIPROP MP using Dowels Ø 12 (48). (Fig. B1.05a + B1.05e).

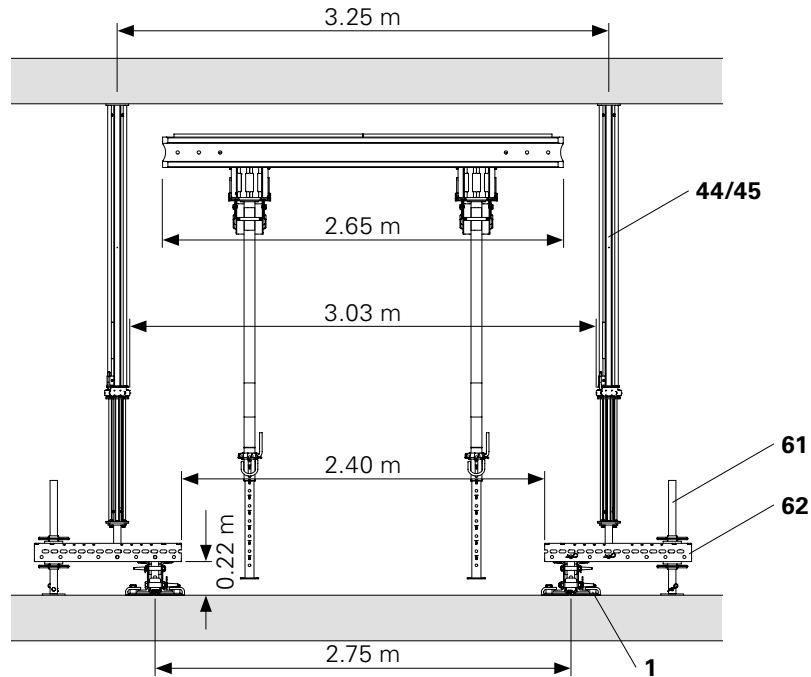


Fig. B1.03

### Assembly of the indirect support

1. Fix the Cross Connector VARIOKIT (60) in the Climbing Rail RCS (3/4) using Fitting Pins Ø 21 x 120 (33) and secure with Cotter Pins 4/1.
2. Attach Quick Jack Nut TR 48-2 (63a) to the Spindle Tube TR 48-75/40 (62).
3. Attach Spindle Counter Plate VARIOKIT (57a) to the Spindle Tube TR 48-75/40 (62).
4. Push the Spindle Tube TR 48-75/40 (62) into the Steel Waler Universal SRU U120 (61).
5. Attach Spindle Counter Plate VARIOKIT (57b) to the Spindle Tube TR 48-75/40 (62).
6. Attach Quick Jack Nut TR 48-2 (63b) to the Spindle Tube TR 48-75/40 (62).
7. Clamp Steel Waler Universal SRU U120 (61) at a distance of 220 mm.
8. Attach the Base Plate for Spindle Tube TR 48 (58) to Spindle Tube TR 48-75/40 (62) using Bolts Ø 16 x 65/86 (59) and secure with Cotter Pins 4/1.
9. Bolt Steel Waler SRU 120 (61) onto the Cross Connector VARIOKIT (60) using Fitting Pins Ø 21 x 120 (33) and secure with Cotter Pins 4/1.

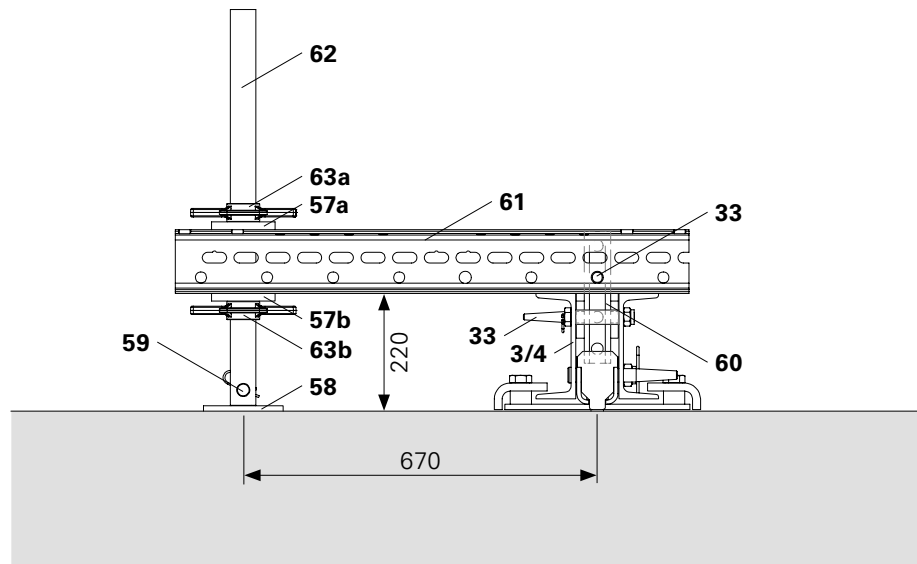


Fig. B1.04





**The Quick Jack Nut of the MULTIPROP MP must be secured and clearly marked in order to prevent any accidental release.**

### Assembly of the MULTIPROP MP

1. Fix the Compression Brace Head MP/ SRU (46) to the MULTIPROP MP (44/45) with 4x MULTIPROP bolts and nuts (47). (Fig. B1.05b)
2. Fix the Compression Brace Head MP/ SRU (46) to the Steel Waler SRU U120 (61) using 1x Fitting Pin  $\varnothing 21 \times 120$  (33) and secure with Cotter Pin 4/1 (34).
3. Spindle out the MULTIPROP MP (44/45) and press against the concrete slab. (Fig. B1.05c)
4. Secure the head of the MULTIPROP MP (44/45) in position in the concrete slab with Dowels  $\varnothing 12$  (48). (Fig. B1.05d)
5. Protect the Quick Jack Nut of the MULTIPROP MP (44/45) against accidental use.

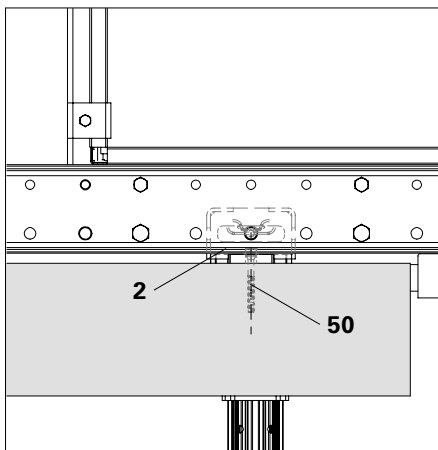


Fig. B1.05a

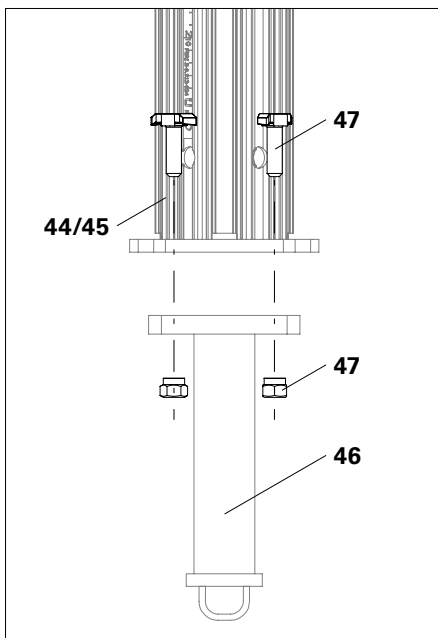


Fig. B1.05b

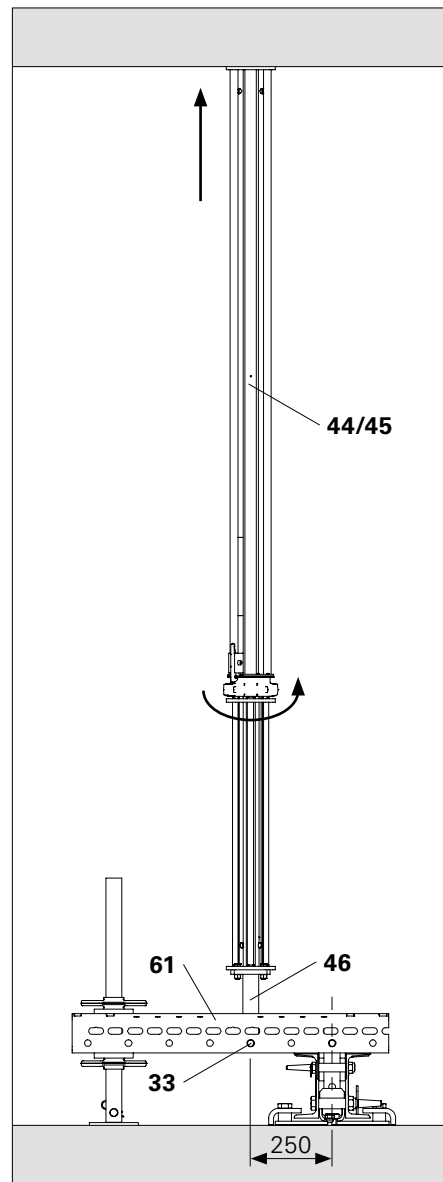


Fig. B1.05c

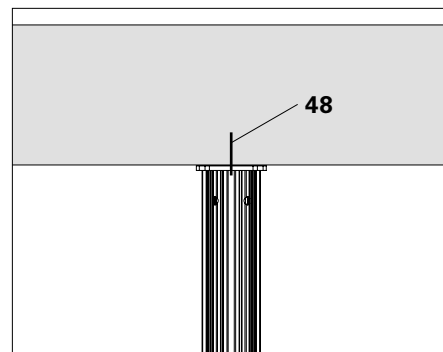


Fig. B1.05d

## Anchored versions



**With architectural concrete surfaces or installations in the slab, penetrative anchoring may not be permitted.**

### Version 1



- For anchor positions, see Section A2, depending on the platform size.
- The Threaded Anchor Plate DW 15 (40) is nailed to the formlining of the slab formwork.
- When using the spacer tube (49), the Tie Rod DW 15 (41) can be retrieved after use.

### Dimensions

Min.  $h = 185 \text{ mm}$

Tie Rod DW 15:  $L_s = h - 80 \text{ mm}$

Spacer Tube:  $L_t = h - 185 \text{ mm}$

### Components

- 39** Climbing Cone-2 M24/DW 15
- 40** Threaded Anchor Plate DW 20
- 41** Tie Rod DW 15, Special Length
- 49** Spacer Tube
- 51** Bolt ISO 4014 M24 x 70-10.9

### Fastening

1. Move Climbing Rails RCS (3/4) into the building and position on the floor slab.
2. Bring the Climbing Rails RCS (3/4) with Slab Support Anchor Shoes RCS M24 (1) into position.
3. Fix Slab Support Anchor Shoe RCS M24 (1) to the Climbing Cone-2 M24/DW 15 (39) using Bolts ISO 4014 M24 x 70-10.9 (51).



Before concreting, protect the cone cup against the concrete being poured in using a screwed-on piece of formlining.

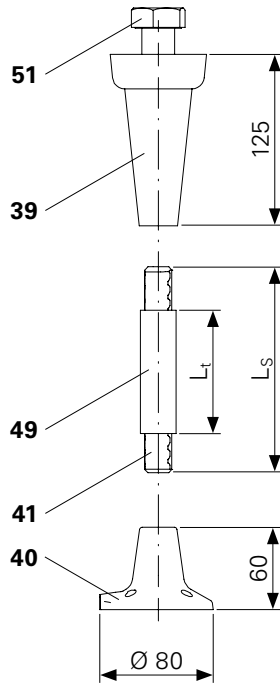


Fig. B1.06a

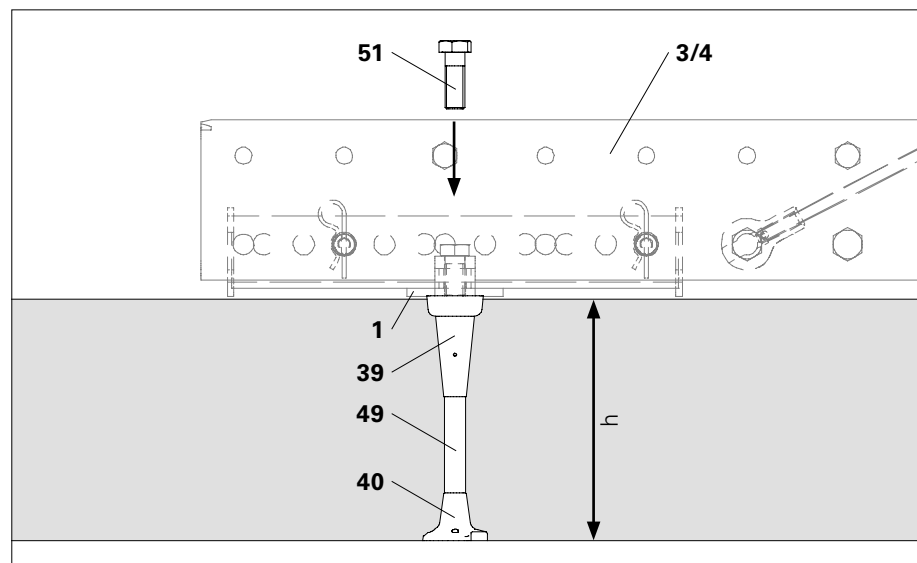


Fig. B1.06b

## Version 2



- For securing the position during concreting, fix the Screw-On Cone-2 M24/DW 20 (37) to the reinforcement.
- Secure in horizontal and vertical position through additional reinforcement bars.

(Fig. B1.07b)

## Components

- 37** Screw-On Cone-2 M24/DW 20
- 38** Threaded Anchor Plate DW 20
- 51** Bolt ISO 4014 M24 x 70-10.9

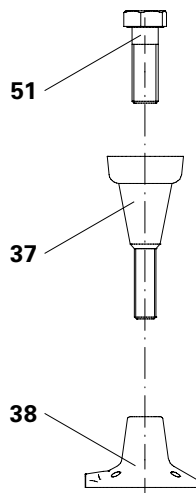


Fig. B1.07a

## Fastening

1. Move Climbing Rails RCS (3/4) into the building and position on the floor slab.
2. Bring the Climbing Rails RCS (3/4) with Slab Support Anchor Shoes RCS M24 (1) into position.
3. Fix Slab Support Anchor Shoe RCS M24 (1) to the Screw-On Cone-2 M24/DW 20 (37) using Bolts ISO 4014 M24 x 70-10.9 (51).



Before concreting, protect the cone cup against the concrete being poured in using a screwed-on piece of formlining.

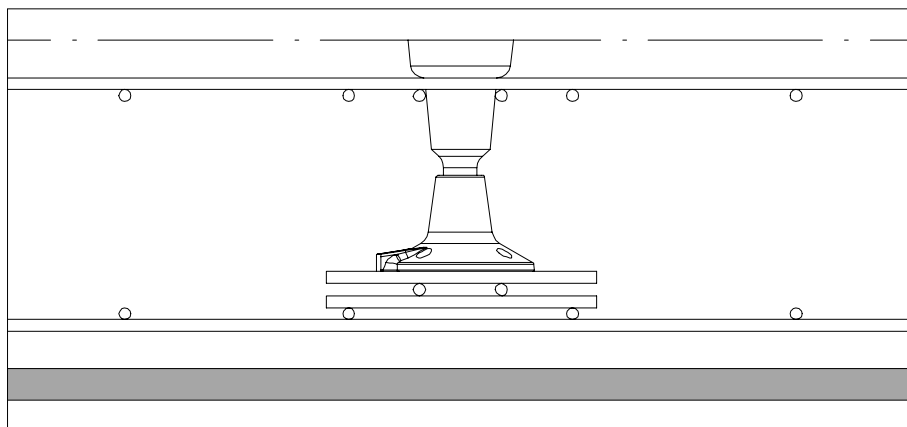


Fig. B1.07b

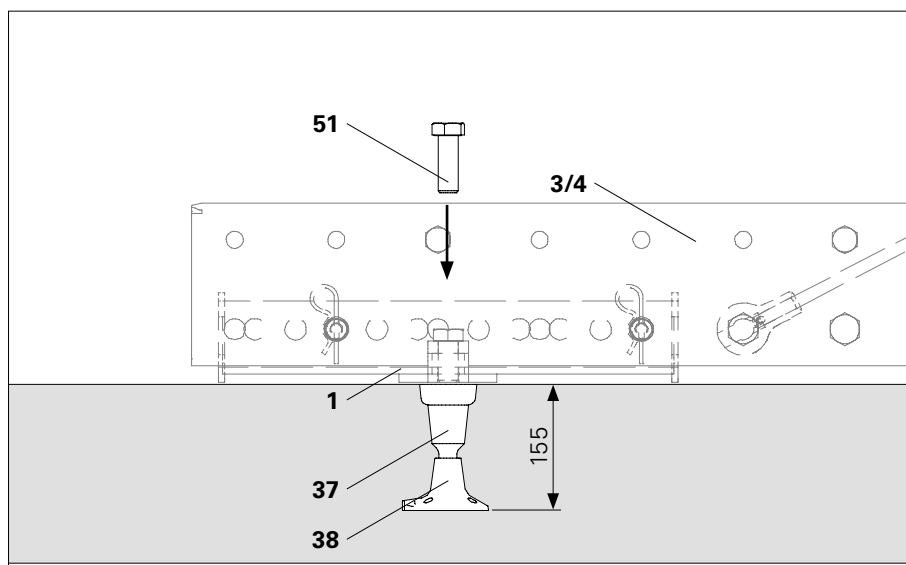


Fig. B1.07c

## Version 3



- Only to be used if climbing anchors have been forgotten or are not usable, and a clamped version is not applicable.
- The Wingnut Pivot Plate DW 15 located under the slab must be secured with a counternut and clearly marked as an anchor component of the RCS MP.
- Tighten the Wingnut Pivot Plate DW 15 by hand.

The clearance hole is created by a drilled hole of  $\varnothing$  20 mm.

### Components

- 41** Tie Rod DW 15, Special Length
- 42** Wingnut Pivot Plate DW 15
- 43** Anchor Plate RCS DW 20
- 53** Cam Nut DW 15

### Assembly sequence

- ① Climbing Rail RCS (3/4)
- ② Hold-Down Device (1.2) and Bolt ISO 4017 M24 x 50-10.9 (1.1)
- ③ Fitting Pin  $\varnothing$  26 x 120 (16) and Cotter Pin 5/1 (17)
- ④ Anchor Plate RCS DW 20 (43)
- ⑤ Wingnut Pivot Plate DW 15 (42)  
(Fig. B1.08b)

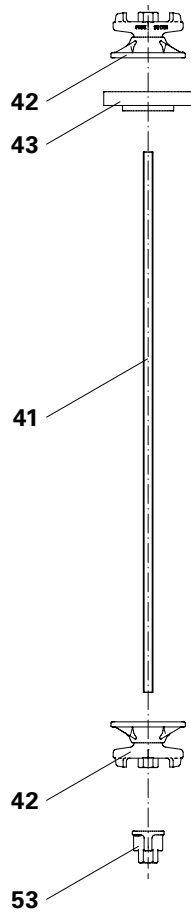


Fig. B1.08a

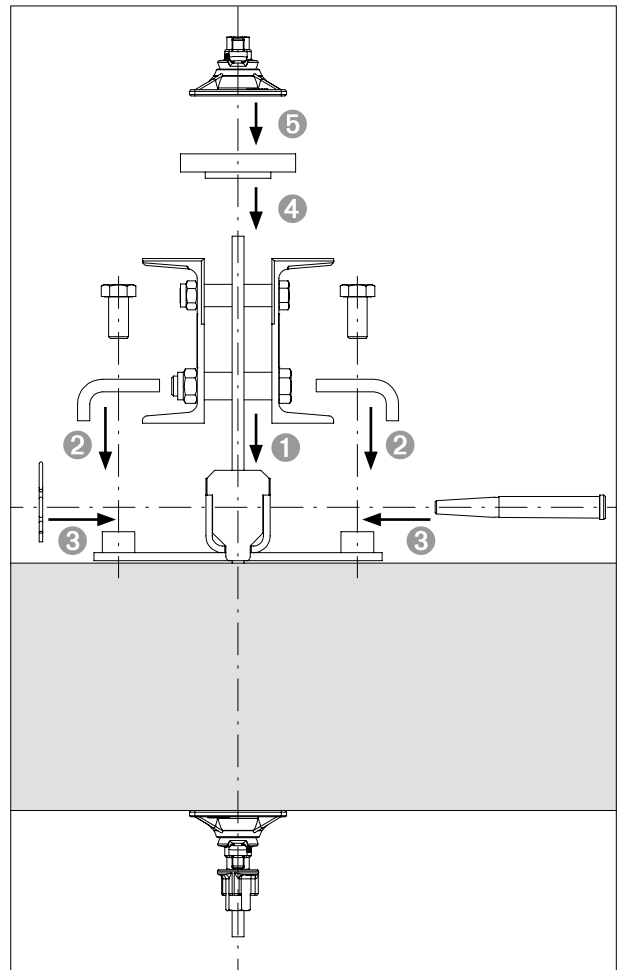


Fig. B1.08b

## Assembly

1. Position Slab Support Anchor Shoe RCS M24 (1).
2. Insert tie rod with Wingnut Pivot Plate DW 15 (42) and Cam Nut DW 15 (53) from below through the hole and Slab Support Anchor Shoe RCS M24 (1).
3. Move Climbing Rails RCS (3/4) into the building and place on Slab Support Anchor Shoe RCS M24 (1), and fix using the Hold-Down Device (1.2) and Bolt ISO 4017 M24 x 50-10.9 (1.1).
4. Bolt Climbing Rail RCS (3/4) in the Slab Support Anchor Shoe RCS M24 using Fitting Pins  $\varnothing 26 \times 120$  (16) and secure with Cotter Pins 5/1 (17).
5. Anchor the Climbing Rail RCS (3/4) to the floor slab with Tie Rod DW 15 (41), Anchor Plate RCS DW 20 (43), Cam Nut DW 15 (53) and Wingnut Pivot Plate DW 15 (42).

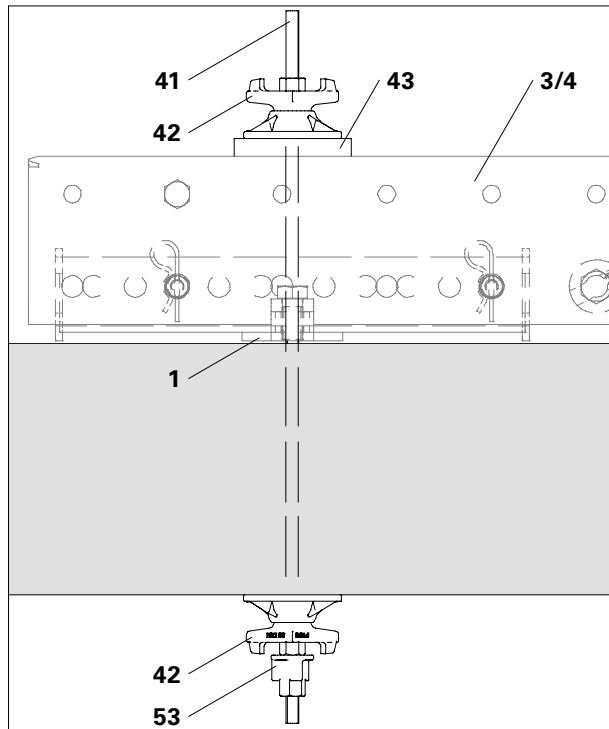


Fig. B1.08c

## Anchoring the Slab Support Alignment RCS



If the RCS MP must be secured during storm conditions but is not possible with a MULTIPROP MP, the Slab Support Alignment RCS must be anchored with the platform.

The anchoring consists of:

- Anchor Sleeve M24 (54)
- Spacer PP  $\varnothing 31/26$ , c = 25 (55)
- Bolt ISO 4014 M24 x 70-10.9 (56)

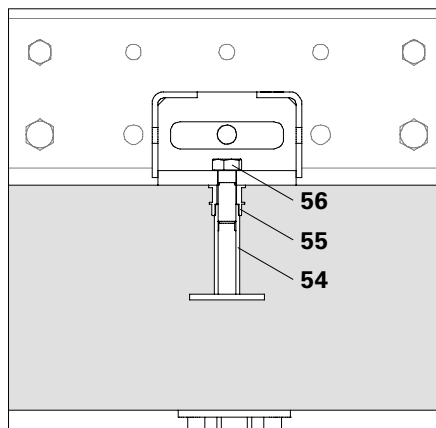


Fig. B1.09

Alternatively:

- Climbing Cone-2 M24/DW 15
- Screw-On Cone-2 M24/DW 20

## Decking



Do not completely tighten the Joint Filler Sheet during assembly in order to allow some play. Only completely tighten both sides when connecting.

## Assembly

1. Mount Joint Filler Sheet RCS-MP 250 (7) on the required Platform Panels RCS-MP (5/6) using 7x Oval-Head Screws ISO 7380 M10 x 25-10.9 (9) each. (Fig. B2.01)
2. Attach Platform Panel RCS-MP (5/6) to the Climbing Rail RCS (3/4) using 4x Bolts ISO 4014 M24 x 130-8.8 (12) and Nuts ISO 7042 M24-8 (13) each. (Fig. B2.02a)
3. Insert next Platform Panel RCS-MP (5/6) between the Joint Filler Sheet RCS-MP 250 (7) and push into the Climbing Rail RCS (3/4).
4. Bolt Joint Filler Sheet RCS-MP 250 to the Platform Panel RCS-MP (5/6) using 7x Oval-Head Screws ISO 7380 M10 x 25-10.9 (9) each. (Fig. B2.04a)
5. Repeat steps 1 to 4 for all required Platform Panels RCS-MP (5/6). (Fig. B2.06a + B2.06b + B2.04)

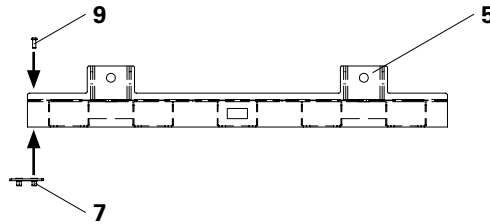


Fig. B2.01

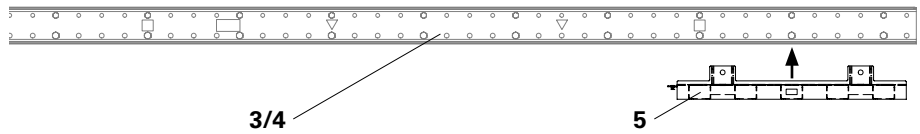


Fig. B2.02

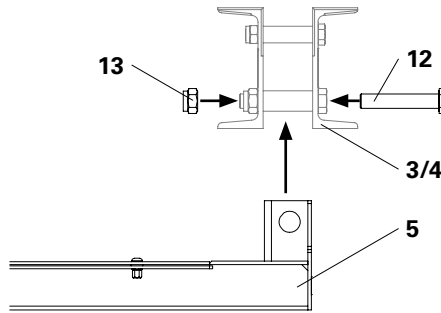


Fig. B2.02a

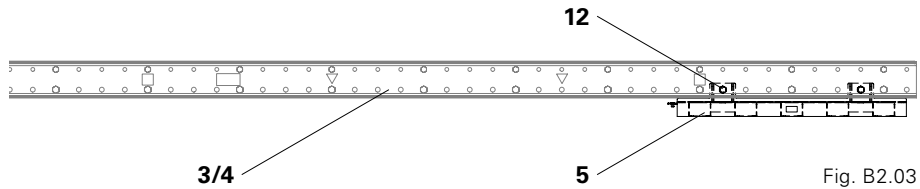


Fig. B2.03

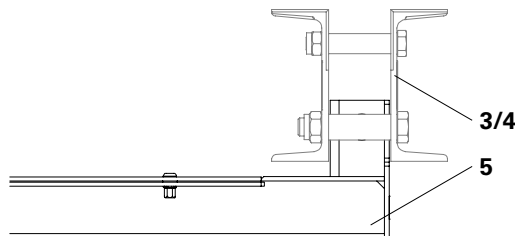


Fig. B2.03a

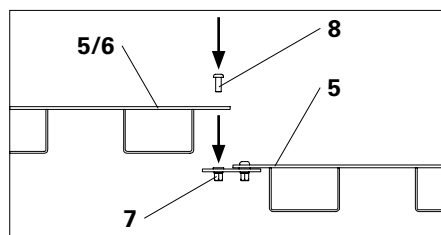


Fig. B2.04a

6. Push Toeboard RCS-MP 263 (8) from the rear to the Platform Panel RCS-MP 125 x 275 (5).
7. Fix Toe Board RCS-MP 263 (8) to the Platform Panel RCS-MP 125 x 275 (5) using 7x Oval-Head Screws ISO 7380 M10 x 25-10.9 (9). (Fig. B2.04)
8. Place Timber 100 x 60 (74) from below on the front Platform Panel RCS-MP (5/6).
9. Mount Timber 100 x 60 (74) to the Platform Panel RCS-MP (5/6) using 7x TSS-Torx 8 x 44 (11).
10. Place Material Box RCS-MP (72) in the platform. (Fig. B2.05)

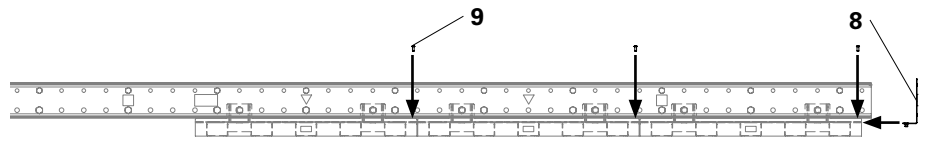


Fig. B2.04

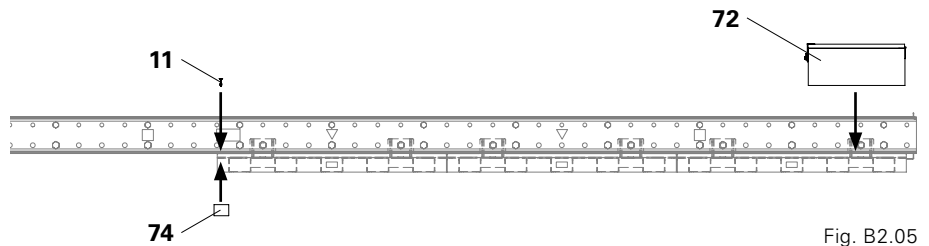


Fig. B2.05

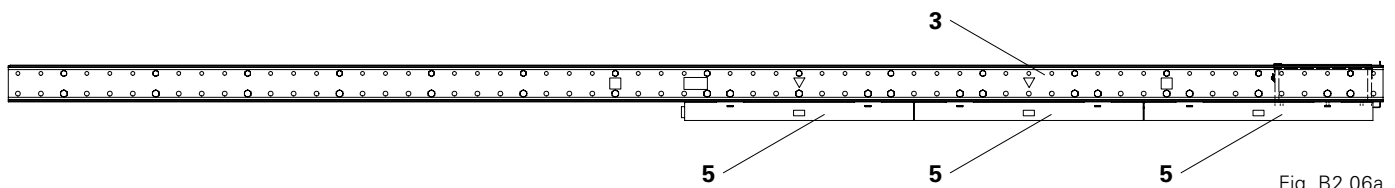


Fig. B2.06a

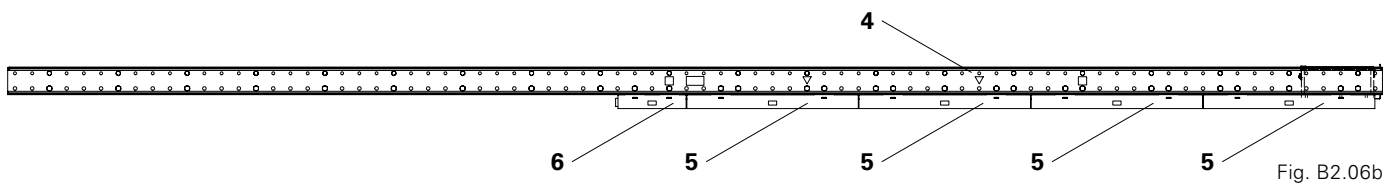


Fig. B2.06b

## Stacking Aid RCS MP



- RCS MP 375  
Spacing: 3.00 m  
(Fig. B2.08a)
- RCS MP 550  
Spacing: 4.00 m  
(Fig. B2.08b)

For pre-assembly with standard components, it may be necessary to assemble the stacking aid.

### Assembly

1. Insert Stacking Aid RCS-MP (71) into the Climbing Rail RCS (3/4).
2. Fix the Stacking Aid RCS-MP (71) using 2x Bolts ISO 4014 M20 x 130-8.8 (73) and 2x Nuts ISO 7042 M20-8 (19) each.  
(Fig. B2.06)

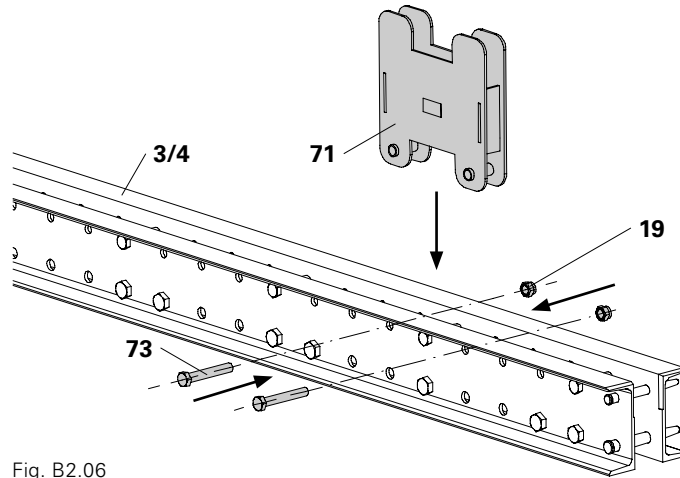


Fig. B2.06

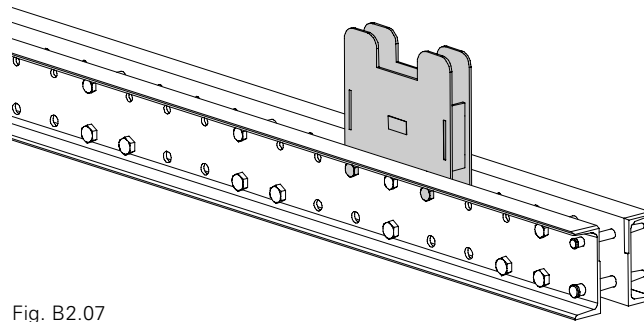


Fig. B2.07

## RCS MP 350

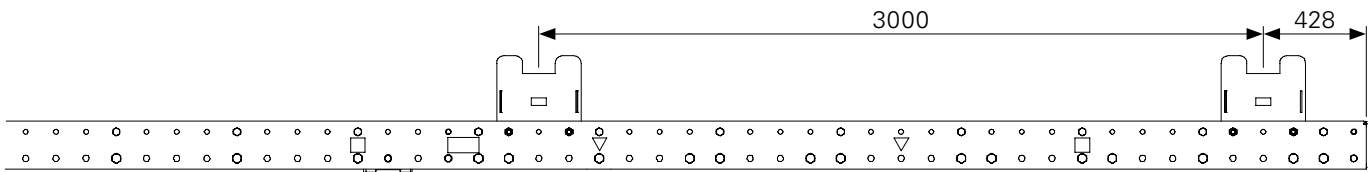


Fig. B2.08a

## RCS MP 550

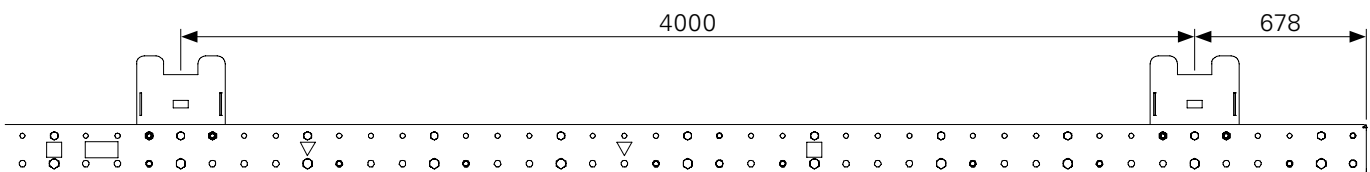


Fig. B2.08b



## Spacers



- For pre-assembly with standard components, it may be necessary to additionally install Spacers M20-82 (65) in the Climbing Rail RCS (3/4) or to re-position them.
- Only use the specified bolt lengths and nuts.



It may be necessary to release adjacent spacers in the climbing rail.

### Installation of an additional Spacer M20.

1. Position the tube sleeve of the Spacer M20-82 (65) in the Climbing Rail RCS 748 (3/4) with the help of a hammer.
2. Insert Bolt ISO 4014 M20 x 120-8.8 (14) through the Climbing Rail RCS 748 (3/4) and tube sleeve of the Spacer M20-82 (65).
3. Turn Nut ISO 7042 M20-8 (15) on the Bolt ISO 4014 M20 x 120-8.8 (14) and tighten. (Fig. B2.09)

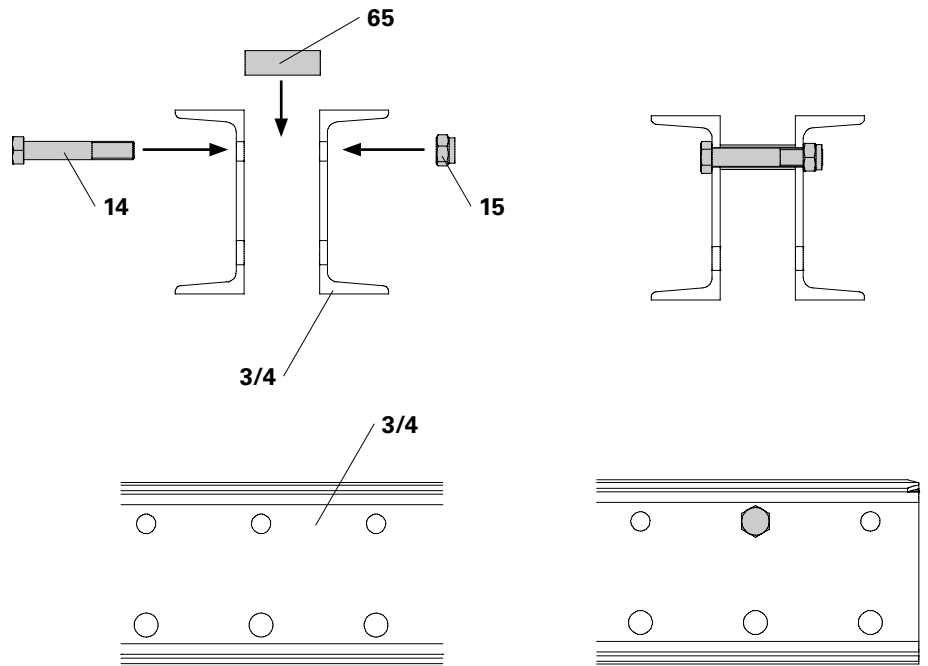


Fig. B2.09

### Re-positioning of a Spacer M24

1. Release the Nut ISO7042 M24-8 (13).
2. Remove Bolt ISO 4014 M24 x 130-8.8 (12).
3. Remove tube sleeve of the Spacer M24-82 (68).
4. Re-position the tube sleeve with the help of a hammer to a Ø 26 hole.
5. Insert Bolt ISO 4014 M24 x 130-8.8 (12) through the tube sleeve of the Spacer M24-82 (68).
6. Turn Nut ISO 7042 M24-8 (13) on the Bolt ISO 4014 M20 x 120-8.8 (14) and tighten. (Fig. B2.10)

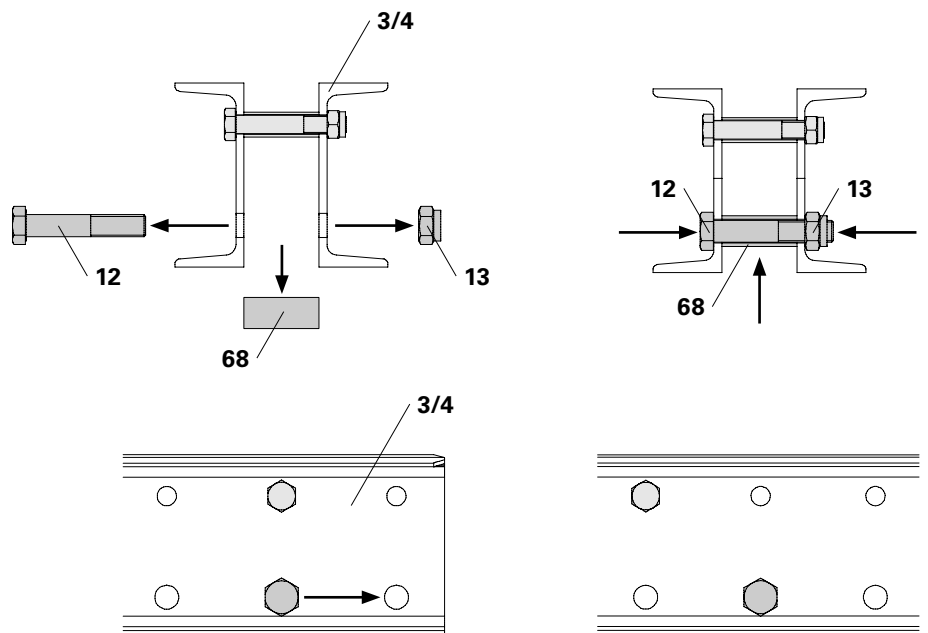


Fig. B2.10

# B3 Assembly of the RCS MP Material Platform 375

## Assembly of the side protection

### Components

- 20** Telescopic Screen DX LPS 123 x 373
- 22** Guardrail Post RCS-MP
- 23** Mesh Panel Clamp LPS, Single
- 25** Bolt ISO 4014 M16 x 180-8.8
- 26** Washer ISO 7094 100 HV, A16
- 27** Nut ISO 7042 M16-8
- 28** Screw-On Coupling AK 48
- 30** Scaffold Tube Steel  $\varnothing$  48.3 x 3.2, l = 4.0 m
- 66** Washer ISO 7089 200 HV, A20
- 67** Nut ISO 4032 M20-8

### Assembly of the Telescopic Screen LPS 123 x 373

1. Position Guardrail Posts RCS-MP (22) at a distance of 3.75 m from each other on timbers. (Fig. B3.01)
2. Place Telescopic Screen DX LPS 123 x 373 (20) at a distance of 195 mm from the bottom edge on the Guardrail Posts RCS-MP (22). (Fig. B3.02)
3. Fix the Telescopic Screen DX LPS 123 x 373 (20) to the Guardrail Posts RCS-MP (22) at all four places with 1x Mesh Panel Clamp LPS, Single (23), Bolt ISO 4014 M16 x 180-8.8 (25), Washer ISO 7094 100 HV, A16 (26) and Nut ISO 7042 M16-8 (27) each. (Fig. B3.03 + B3.03a)

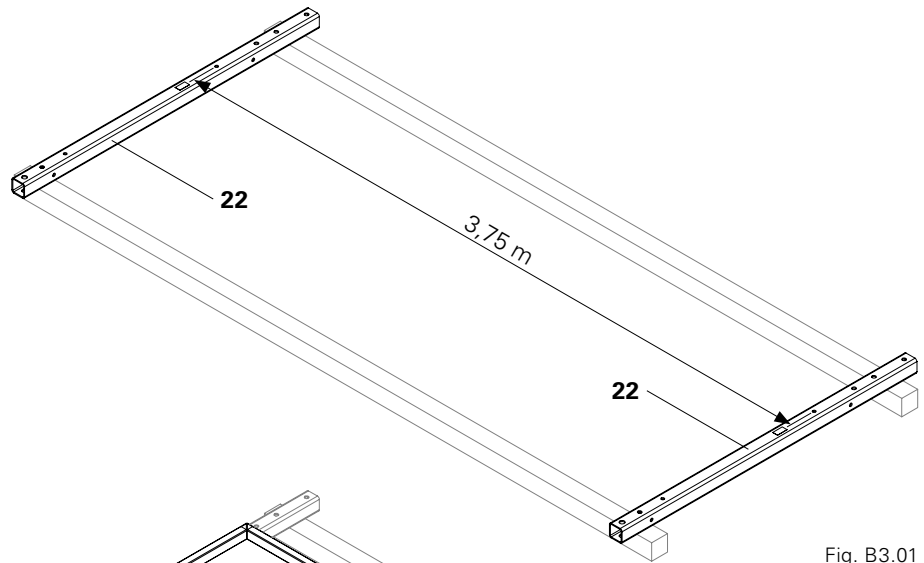


Fig. B3.01

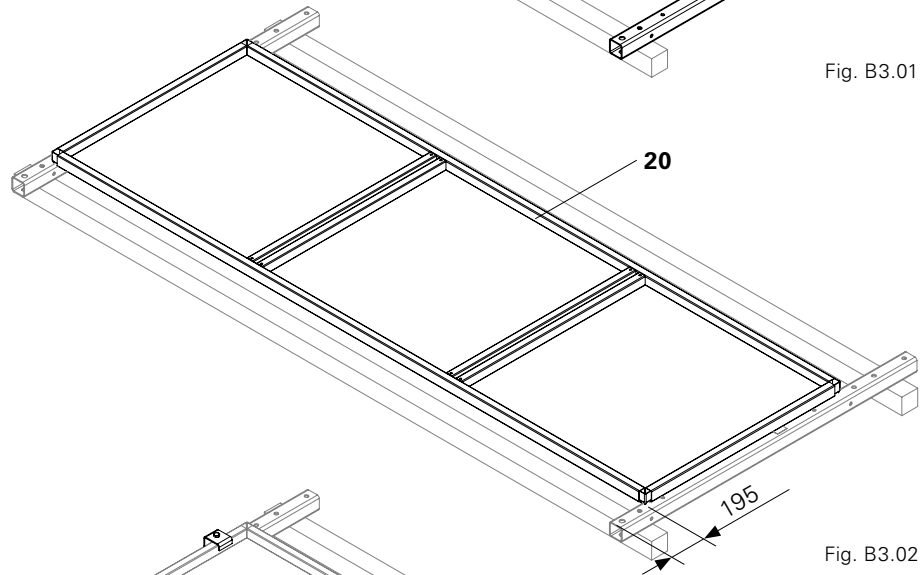


Fig. B3.02

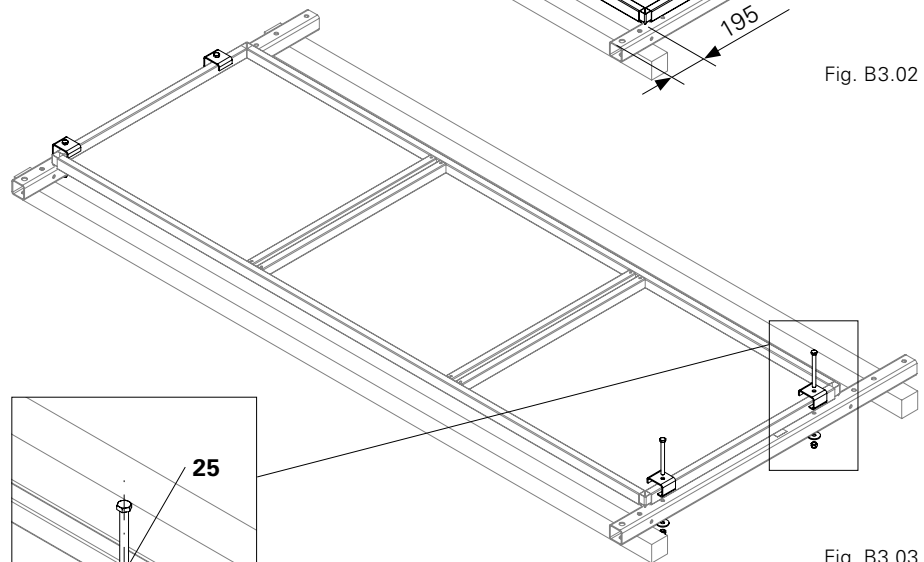


Fig. B3.03

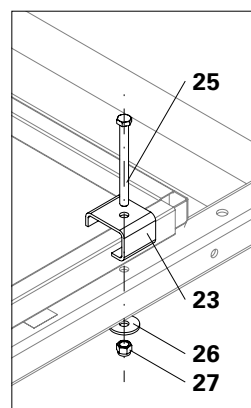


Fig. B3.03a

# B3 Assembly of the RCS MP Material Platform 375

## Assembly of the Screw-On Coupling

1. Attach one Screw-On Coupling AK 48 (28) to each Guardrail Post RCS-MP (22) using Washer 7089 200 HV, A20 (66) and Nut ISO 4032 M20-8 (67). (Fig. B3.04 + B3.04a)

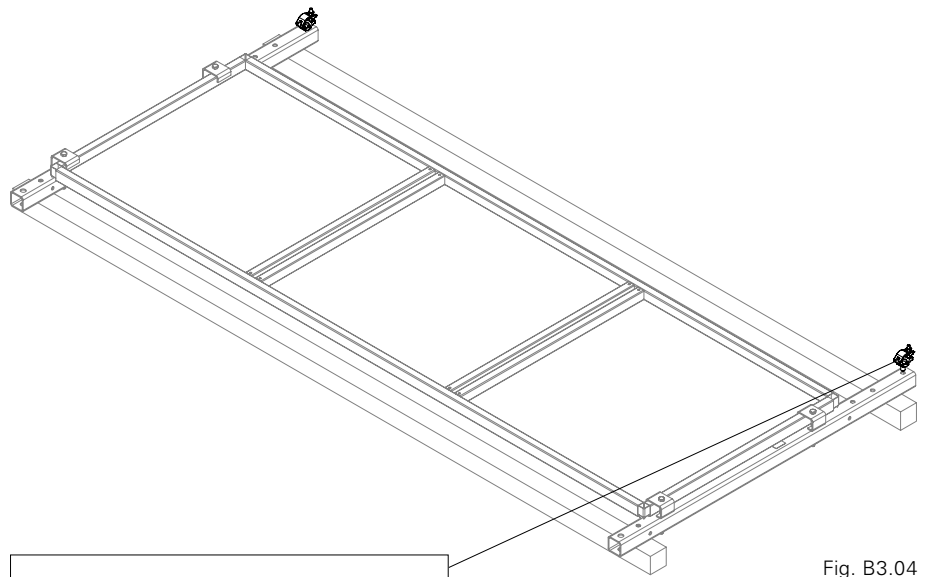


Fig. B3.04

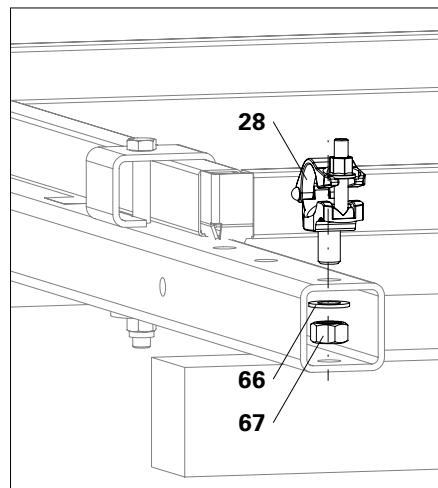


Fig. B3.04a



The Telescopic Screens LPS are mounted externally.

## Assembly of the scaffold tube

1. Attach 1x Scaffold Tube Steel  $\text{Ø} 48.3 \times 3.2$ ,  $l = 4.0$  m (30) to the Screw-On Couplings AK 48 (28) on each side. (Fig. B3.05)

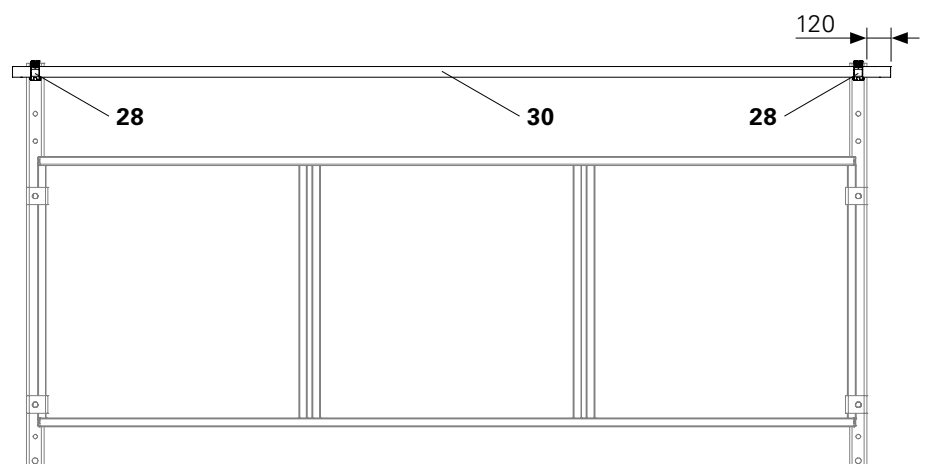


Fig. B3.05

# B3 Assembly of the RCS MP Material Platform 375

## Preparation of the final assembly



**Do not stand under suspended  
loads.**



- For assembling the RCS MP 375, an assembly area of approx. 5.00 x 9.00 m is required.
- Attach the four-sling lifting gear to the marked attachment points (69). (See Section D1)

## Unloading

1. Attach the RCS MP 375 to 4-sling lifting gear which has sufficient load-bearing capacity.
2. Lift the RCS MP 375.
3. Set down the RCS MP 375 on the assembly area and timbers (64/74).

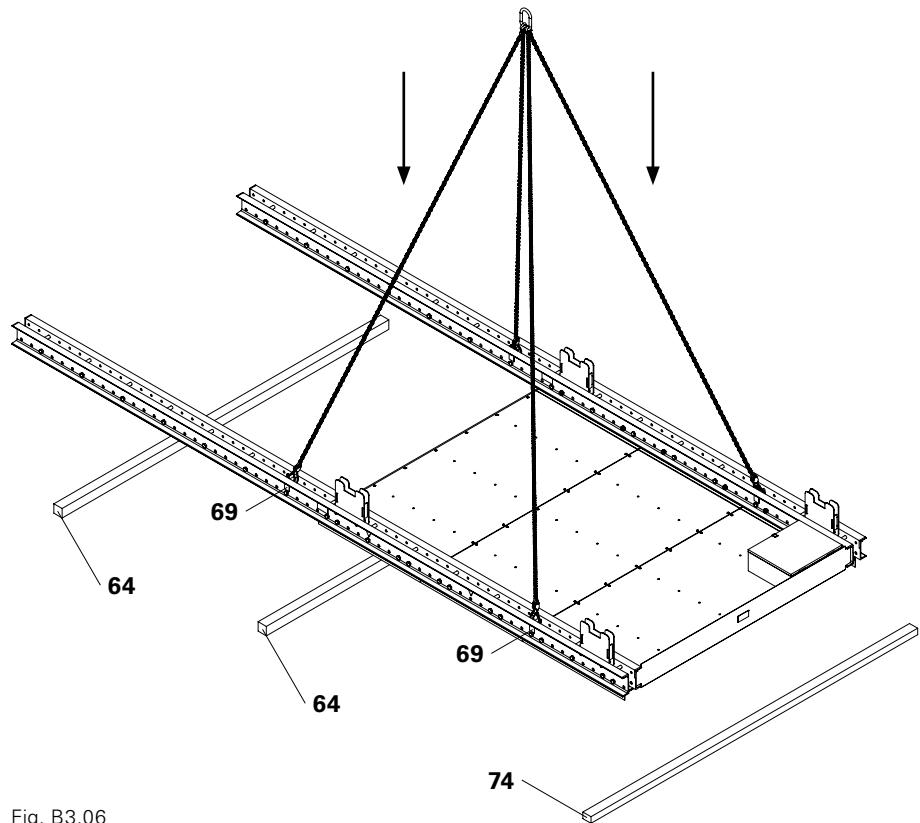


Fig. B3.06

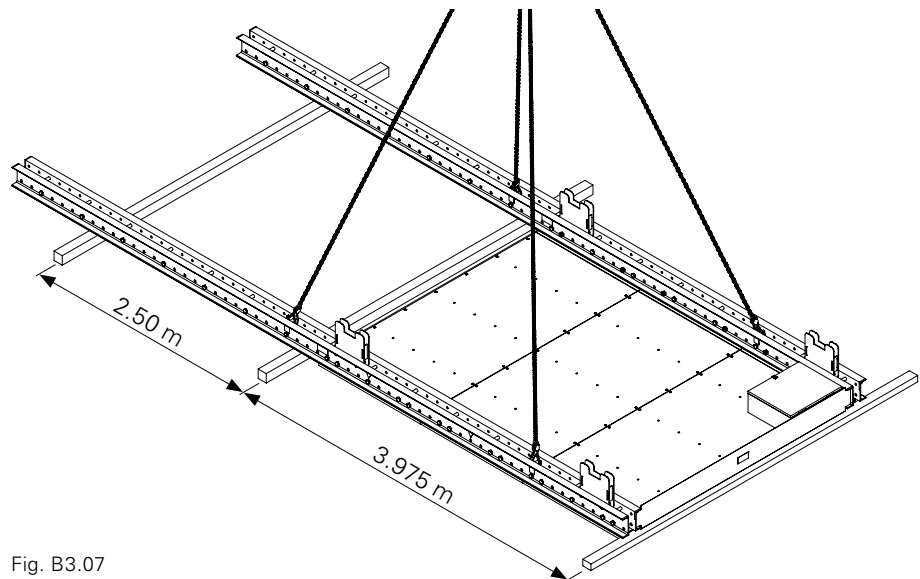


Fig. B3.07

# B3 Assembly of the RCS MP Material Platform 375

## Assembly of the slab support

1. Bolt 1x Slab Support Anchor Shoe RCS M24 (1) to each Climbing Rail RCS 748 (3) using 2x Fitting Pins  $\varnothing$  26 x 120 (16) each and secure with Cotter Pins 5/1 (17).  
(Fig. B3.08a)
2. Bolt 1x Slab Support Alignment RCS (2) to each Climbing Rail RCS 748 (3) using 2x Fitting Pins  $\varnothing$  26 x 120 (16) each and secure with Cotter Pins 5/1 (17).  
(Fig. B3.08b)

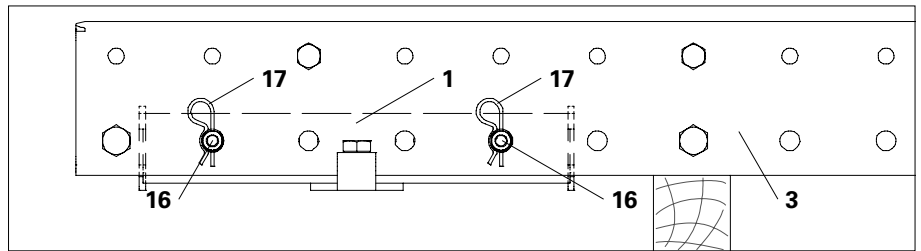


Fig. B3.08a

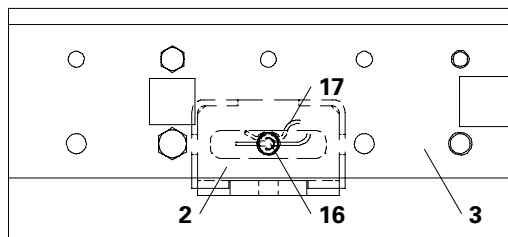


Fig. B3.08b

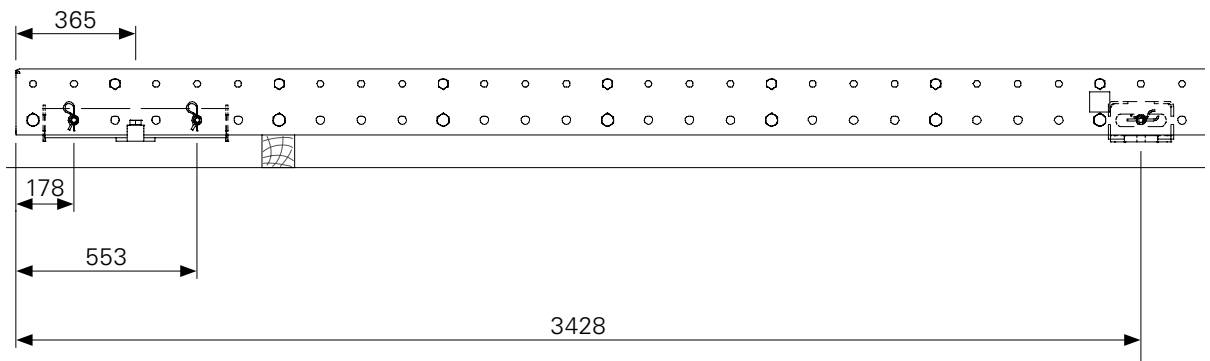


Fig. B3.08

# B3 Assembly of the RCS MP Material Platform 375

## Attaching the Side Mesh Barrier



**Do not stand under suspended loads.**

### Assembly of the Side Mesh Barrier

1. Attach the pre-assembled Side Mesh Barrier on the Scaffold Tube Steel  $\varnothing$  48.3 x 3.2, l = 4.0 m (30) to the crane.
2. Insert Guardrail Post RCS-MP (22) into the Climbing Rail RCS 748 (3).
3. Bolt on the Guardrail Post RCS-MP (22) using 1x Fitting Pin 21 x 120 (33) and 1x Fitting Pin 26 x 120 (16) and secure with Cotter Pin 4/1 (34) and Cotter Pin 5/1 (17) respectively. (Fig. B3.09a)
4. Inversely mount the second Side Mesh Barrier on the opposite side in the same way.

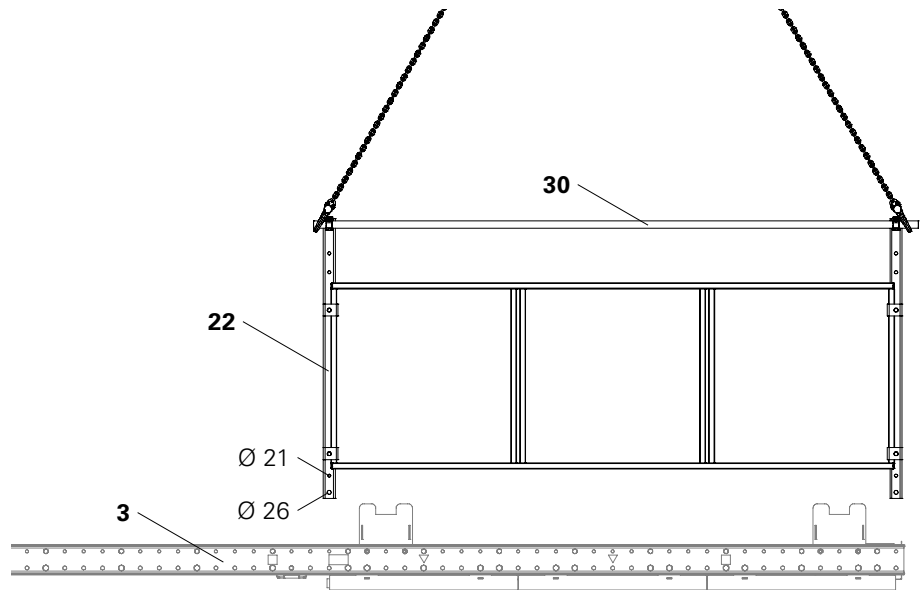


Fig. B3.09



Fit bolts so they are pointing outwards in order to make better use of the platform space.

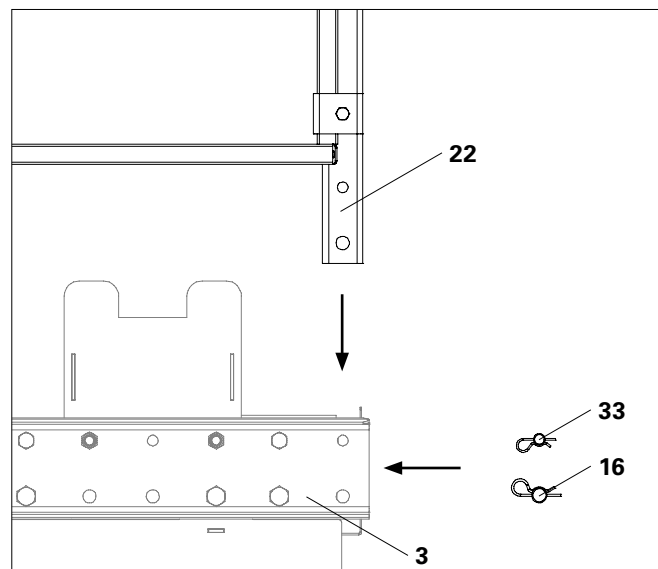


Fig. B3.09a

# B3 Assembly of the RCS MP Material Platform 375

## Assembly of the end protection

1. Position the Side Protection RCS-MP Front (35) and align symmetrically.
2. Fix the Side Protection RCS-MP Front (35) to the Guardrail Posts RCS-MP (22) at all four places with 1x Mesh Panel Clamp LPS, Single (23), Bolt ISO 4014 M16 x 180-8.8 (25), Washer ISO 7094 100 HV, A16 (26) and Nut ISO 7042 M16-8 (27).
3. Attach 1x Swivel Coupling DK 48/48 (36) each on the front side of the Side Mesh Barrier to the Scaffold Tubes Steel  $\varnothing$  48.3 x 3.2, l = 4.0 m (30).
4. Symmetrically attach Steel Scaffold Tube  $\varnothing$  48.3 x 3.2, l = 3.0 m (29) to the Swivel Couplings DK 48/48 (36).

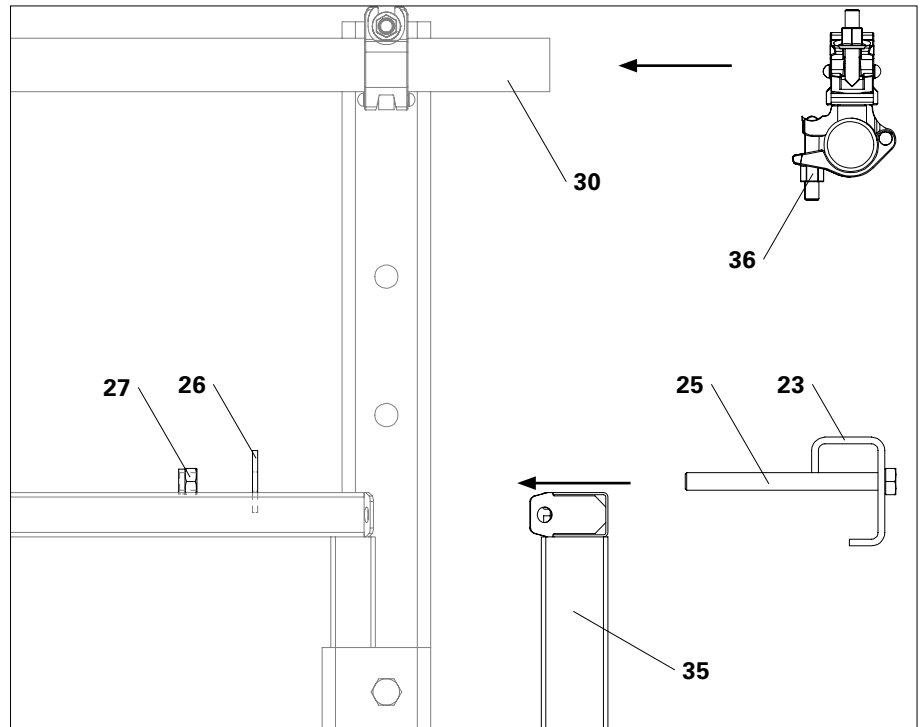


Fig. B3.10a

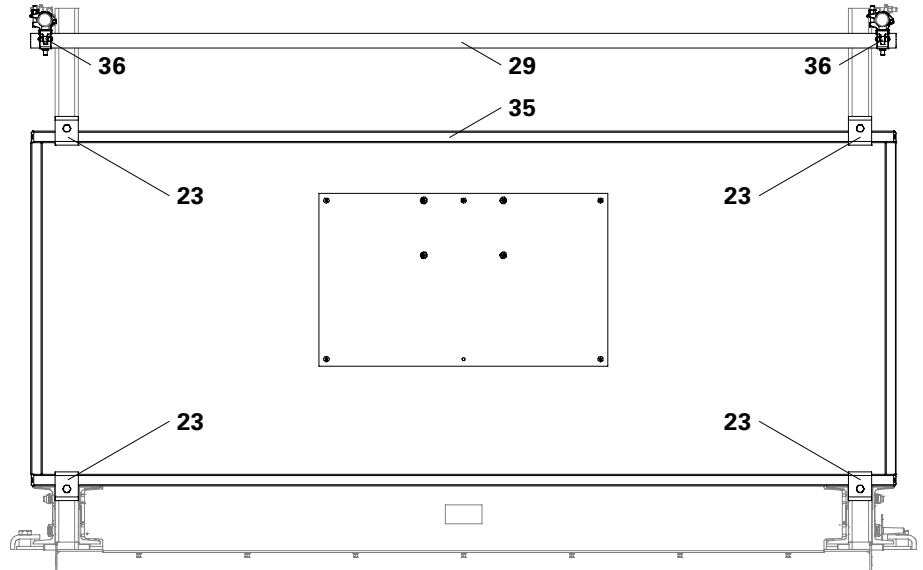


Fig. B3.10

# B4 Assembly of the RCS MP Material Platform 550

## Assembly of the Side Protection

### Components

- 14 Bolt ISO 4014 M20 x 120-8.8, galv.
- 15 Nut ISO 7042 M20-8
- 16 Connection Plate RCS-MP
- 20 Telescopic Screen DX LPS 123 x 373
- 21 Telescopic Screen DX LPS 123 x 248
- 22 Guardrail Post RCS-MP
- 23 Mesh Panel Clamp LPS, Single
- 24 Mesh Panel Clamp LPS, Double
- 25 Bolt ISO 4014 M16 x 180-8.8
- 26 Washer ISO 7094 100 HV, A16
- 27 Nut ISO 7042 M16-8
- 28 Screw-On Coupling AK 48
- 29 Scaffold Tube Steel  $\varnothing$  48.3 x 3.2, l = 3.0 m
- 30 Scaffold Tube Steel  $\varnothing$  48.3 x 3.2, l = 4.0 m
- 31 Tension Coupler  $\varnothing$  48.3 mm
- 32 Tube Connector  $\varnothing$  48.3 mm
- 66 Washer ISO 7089 200 HV, A20
- 67 Nut ISO 4032 M20-8

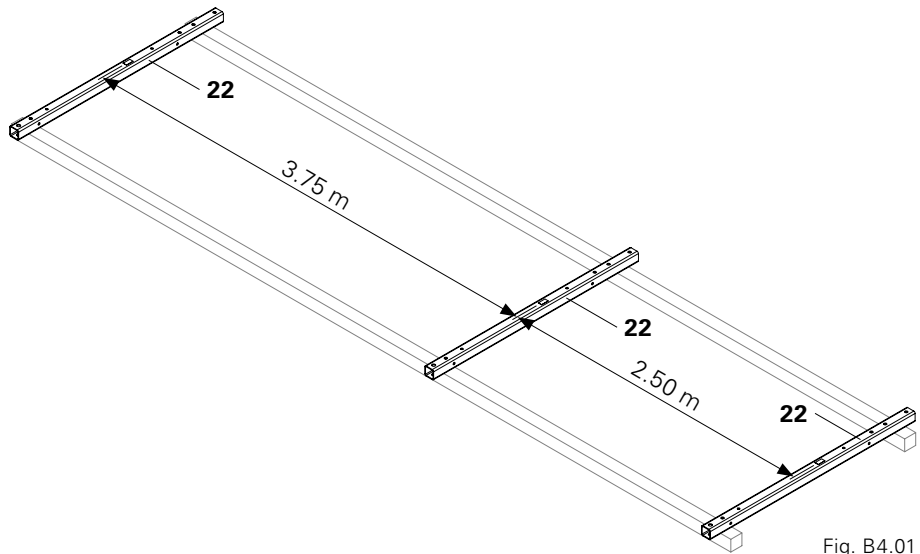


Fig. B4.01



1x assembly as shown.  
1x assembly mirrored.

### Assembly of the Connection Plate

1. Place Guardrail Posts RCS-MP (22) at a distance of 3.75 m and 2.50 m from each other on timbers.  
(Fig. B4.01)
2. Mount 2x Connection Plate RCS-MP (16) to Guardrail Posts RCS-MP (22a) using Bolts ISO 4014 M20 x 120-8.8 (14) and Nuts ISO 7042 M20-8 (15).  
(Fig. B4.02 + B4.02a)

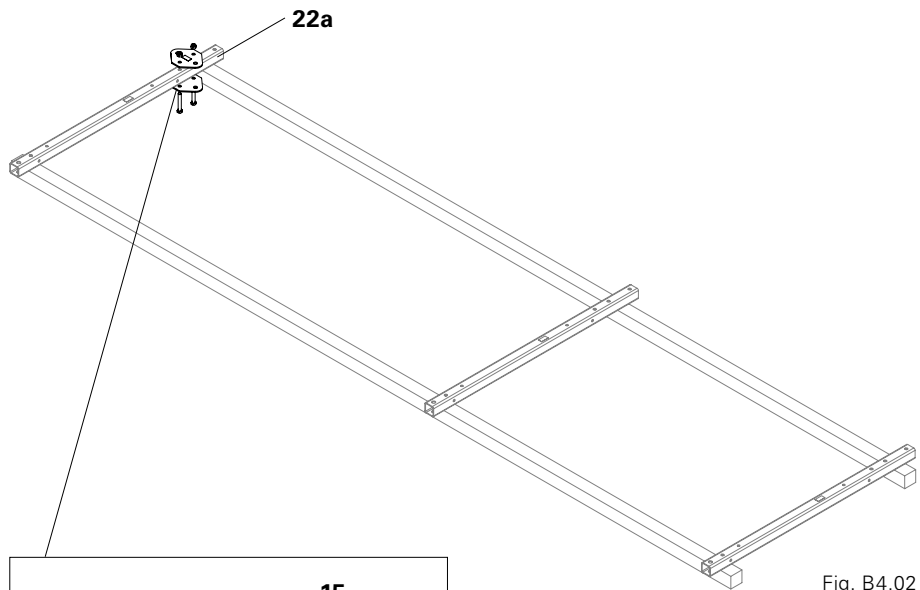


Fig. B4.02

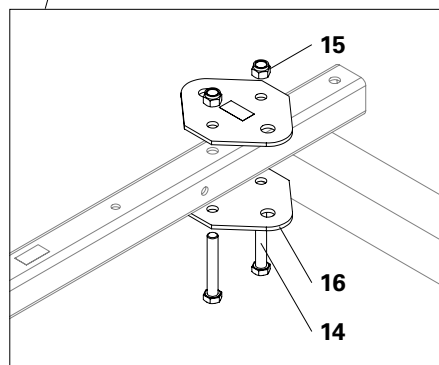


Fig. B4.02a



# B4 Assembly of the RCS MP Material Platform 550

## Assembly of the Telescopic Screen LPS 123 x 373 and 123 x 248

1. Place Telescopic Screen DX LPS 123 x 373 (20) and Telescopic Screen DX LPS 123 x 248 (21) at a distance of 195 mm from the bottom edge together with a 20 mm gap on the Guardrail Posts RCS-MP (22).  
(Fig. B4.03)
2. Fix the Telescopic Screen DX LPS 123 x 373 (20) and Telescopic Screen DX LPS 123 x 248 (21) to the external Guardrail Posts RCS-MP (22a) at two places each with each 1x Mesh Panel Clamp LPS, Single (23), Bolt ISO 4014 M16 x 180-8.8 (25), Washer ISO 7094 100 HV, A16 (26) and Nut ISO 7042 M16-8 (27).  
(Fig. B4.04 + B4.04b)
3. Fix the Telescopic Screen DX LPS 123 x 373 (20) and Telescopic Screen DX LPS 123 x 248 (21) to the middle Guardrail Posts RCS-MP (22b) at two places with each 1x Mesh Panel Clamp LPS, Double (24), Washer ISO 7094 100 HV, A16 (26) and Nut ISO 7042 M16-8 (27).  
(Fig. B4.04 – B4.04a)

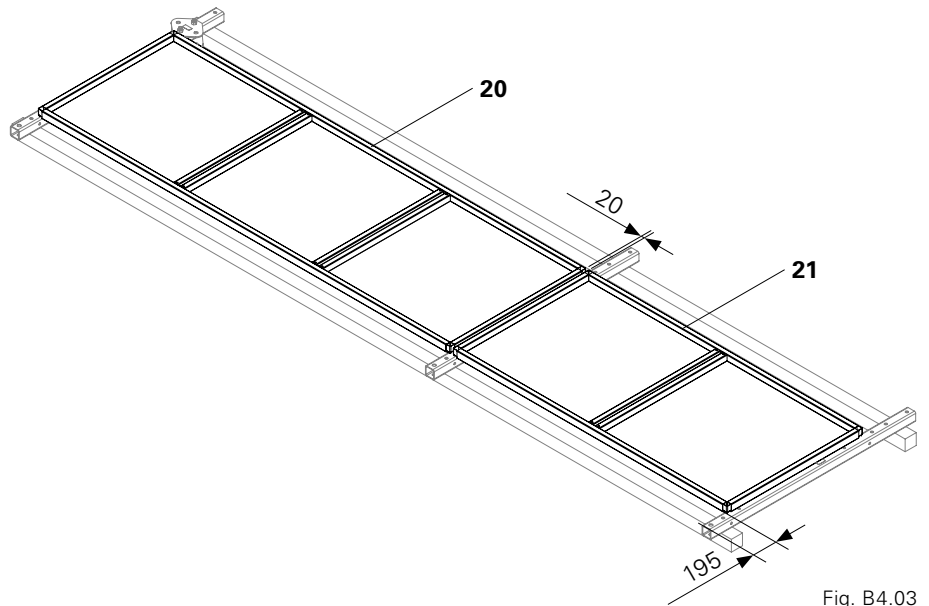


Fig. B4.03

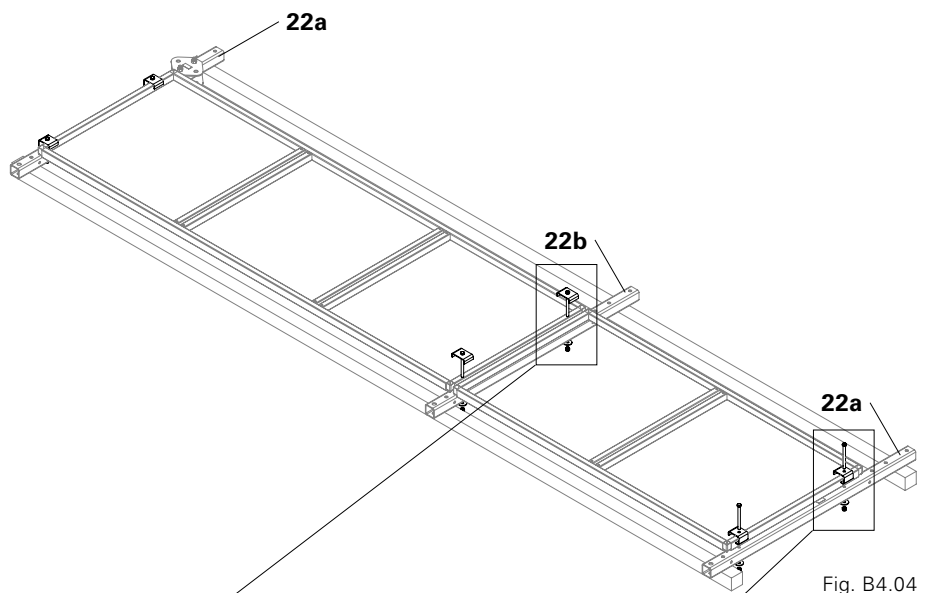


Fig. B4.04

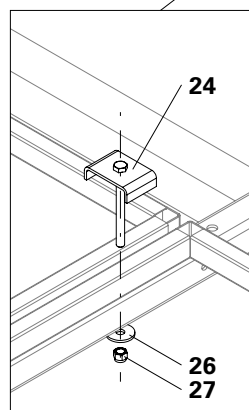


Fig. B4.04a

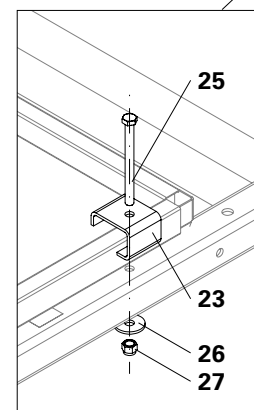


Fig. B4.04b

# B4 Assembly of the RCS MP Material Platform 550

## Assembly of the screw-on coupling

1. Attach one Screw-On Coupling AK 48 (28) to each Guardrail Post RCS-MP (22) using Washer 7089 200 HV, A20 (66) and Nut ISO 4032 M20-8 (67). (Fig. B4.05 + B4.05a)



- The Telescopic Screens LPS are mounted externally.

## Assembly of the scaffold tube

1. Attach 1x Scaffold Tube Steel  $\text{\O} 48.3 \times 3.2$ ,  $l = 4.0 \text{ m}$  (30) to the Screw-On Coupling AK 48 (28a).
2. Insert Tube Connector  $\text{\O} 48.3 \text{ mm}$  (32) in the Scaffold Tube Steel  $\text{\O} 48.3 \times 3.2$ ,  $l = 4.0 \text{ m}$  (30).
3. Insert Scaffold Tube Steel  $\text{\O} 48.3 \times 3.2$ ,  $l = 3.0 \text{ m}$  (29) in the Tube Connector  $\text{\O} 48.3 \text{ mm}$  (32).
4. Connect Scaffold Tube Steel  $\text{\O} 48.3 \times 3.2$  with Tension Coupler  $\text{\O} 48,3 \text{ mm}$  (31).
5. Attach Scaffold Tube Steel  $\text{\O} 48.3 \times 3.2$ ,  $l = 3.0 \text{ m}$  (29) to the Screw-On Coupling AK 48 (28b) on the building side. (Fig. B4.06)

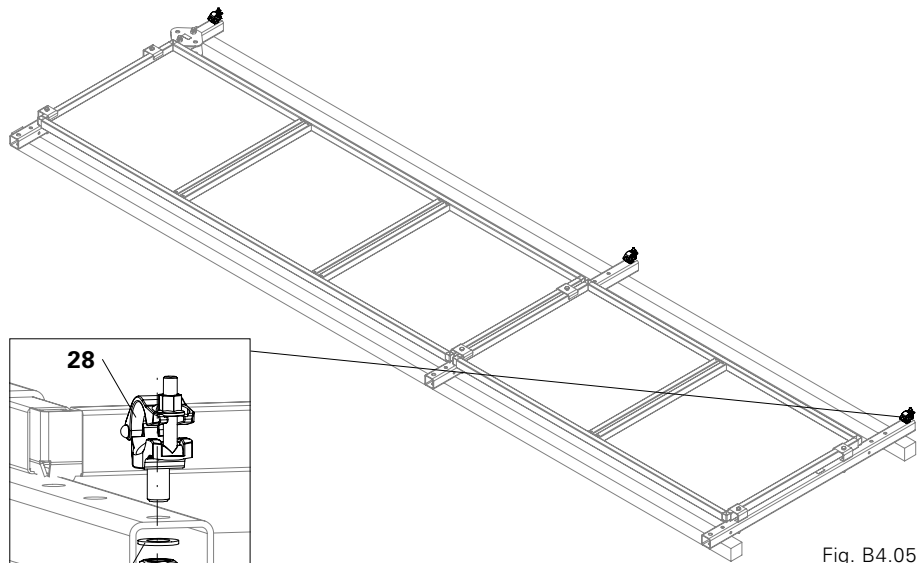


Fig. B4.05

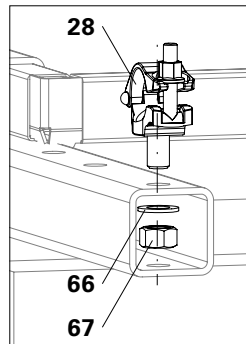


Fig. B4.05a

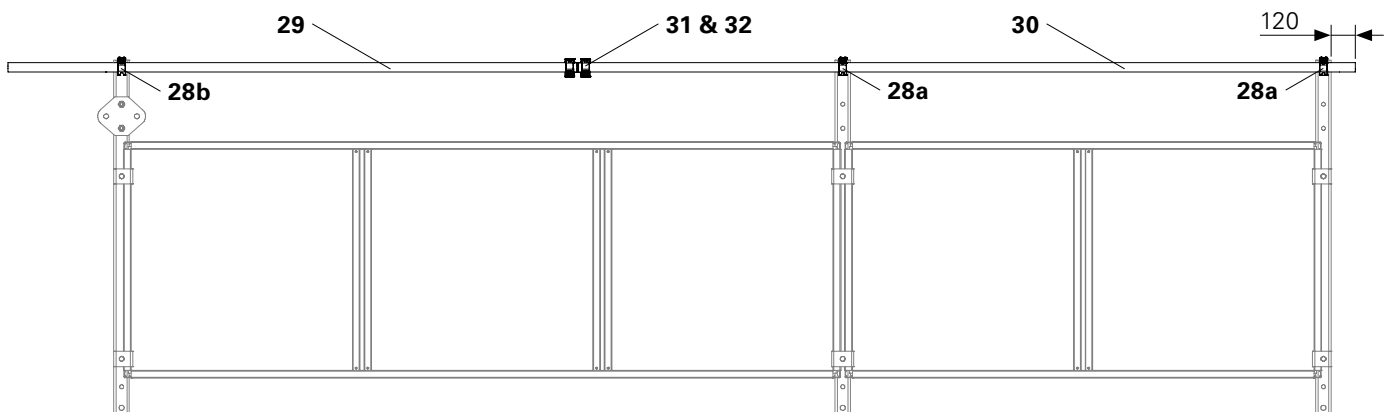


Fig. B4.06

# B4 Assembly of the RCS MP Material Platform 550

## Preparation of the final assembly



**Do not stand under suspended loads.**



- For assembling the RCS MP 550, an assembly area of approx. 5.00x12.00 m is required.
- Attach the four-sling lifting gear to the marked attachment points (69). (See Section D1)

### Unloading

1. Attach the RCS MP 550 to 4-sling lifting gear which has sufficient load-bearing capacity.
2. Lift the RCS MP 550.
3. Set down the RCS MP 550 on the assembly area and timbers (64/74).

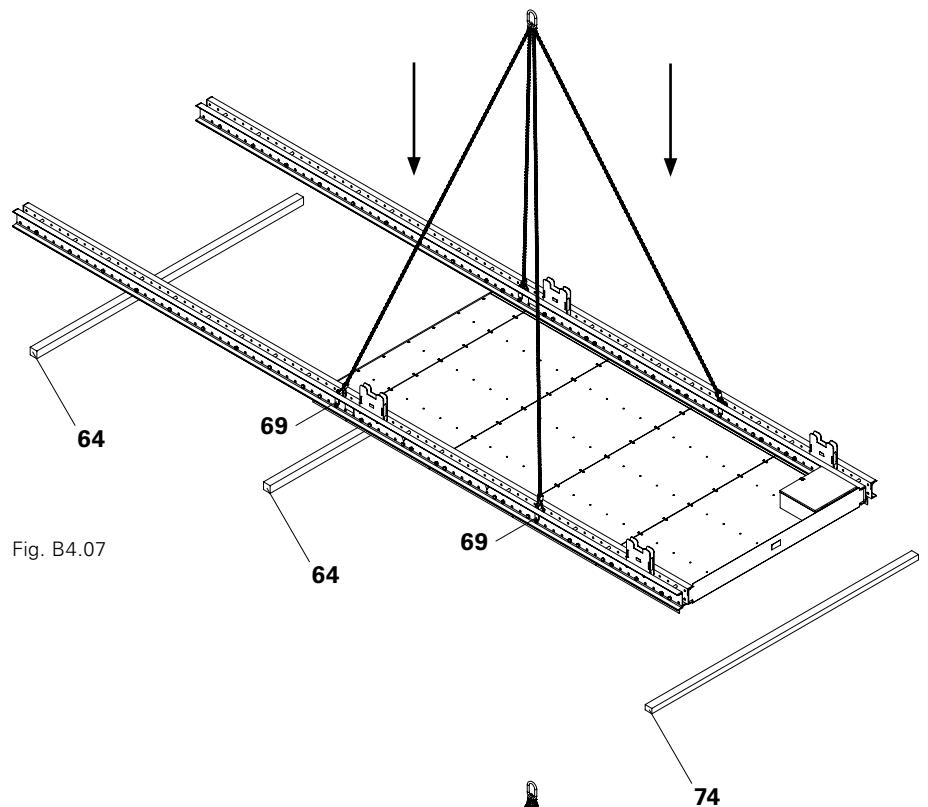


Fig. B4.07

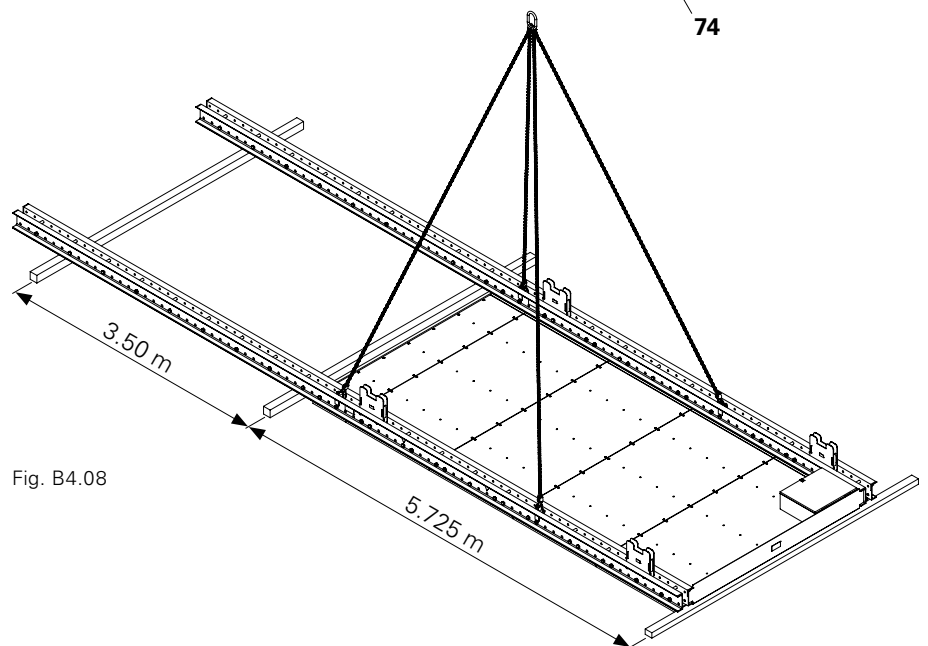


Fig. B4.08

# B4 Assembly of the RCS MP Material Platform 550

## Assembly of the slab support

1. Bolt 1x Slab Support Anchor Shoe RCS M24 (1) to each Climbing Rail RCS 998 (4) using 2x Fitting Pins  $\varnothing 26 \times 120$  (16) each and secure with Cotter Pins 5/1 (17).  
(Fig. B4.09a)
2. Bolt 1x Slab Support Alignment RCS (2) to each Climbing Rail RCS 998 (4) using 1x Fitting Pin  $\varnothing 26 \times 120$  (16) and secure with Cotter Pin 5/1 (17).  
(Fig. B4.09b)

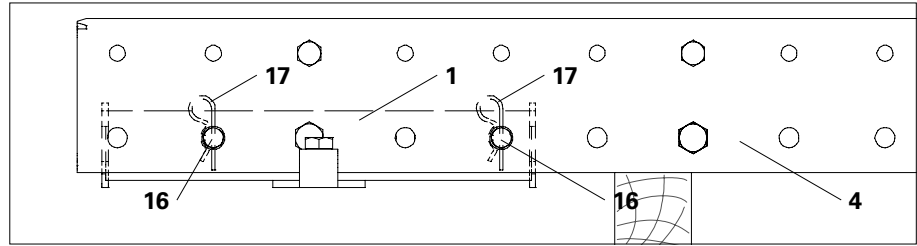


Fig. B4.09a

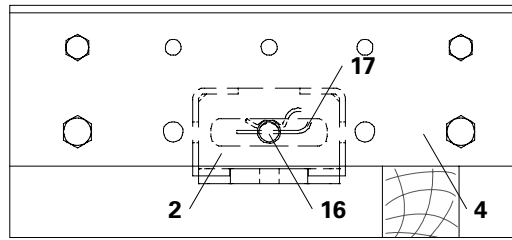


Fig. B4.09b

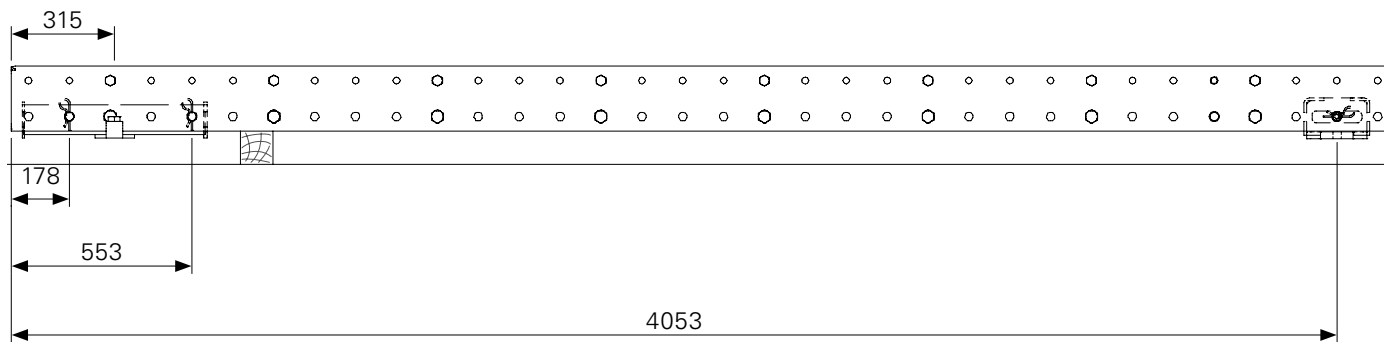


Fig. B4.09

# B4 Assembly of the RCS MP Material Platform 550

## Attaching the side mesh barrier



**Do not stand under suspended loads.**

### Assembly of the side mesh barrier

1. Attach the pre-assembled Side Mesh Barrier on the Scaffold Tube Steel  $\varnothing 48.3 \times 3.2$  (29 & 30) to the crane.
2. Insert Guardrail Post RCS-MP (22) into the Climbing Rail RCS 998 (4).
3. Bolt on the Guardrail Post RCS-MP (22) using 1x Fitting Pin 21 x 120 (33) and 1x Fitting Pin 26 x 120 (16) and secure with Cotter Pin 4/1 (34) and Cotter Pin 5/1 (17) respectively. (Fig. B4.11a)
4. Inversely mount the second Side Mesh Barrier on the opposite side in the same way. (Fig. B4.11b)



Fit bolts so they are pointing outwards in order to make better use of the platform space.

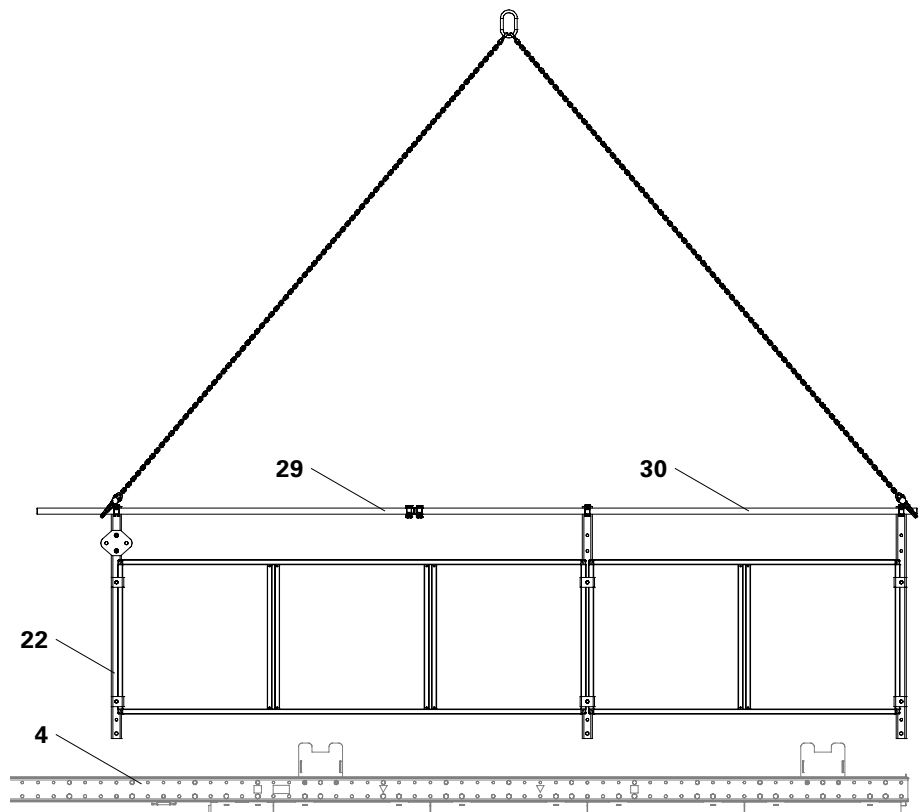


Fig. B4.11

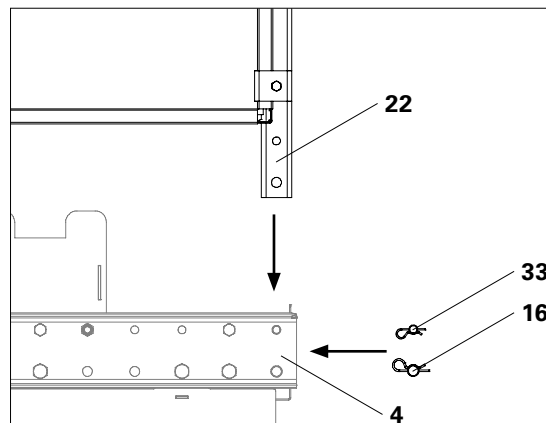


Fig. B4.11a

# B4 Assembly of the RCS MP Material Platform 550

## Assembly of the end protection

1. Position the Side Protection RCS-MP Front (35) and align symmetrically.
2. Fix the Side Protection RCS-MP Front (35) to the Guardrail Posts RCS-MP (22) at all four places with each 1x Mesh Panel Clip LPS, Single (23), Bolt ISO 4014 M16 x 180-8.8 (25), Washer ISO 7094 100 HV, A16 (26) and Nut ISO 7042 M16-8 (27). (Fig. B4.12 + B4.12a)
3. Attach 1x Swivel Coupling DK 48/48 (36) each on the front side of the Side Mesh Barrier to the Scaffold Tube Steel Ø 48.3 x 3.2, l = 4.0 m (30). (Fig. B3.12a)
4. Symmetrically attach Steel Scaffold Tubes Ø 48.3 x 3.2, l = 3.0 m (29) to the Swivel Couplings DK 48/48 (36).

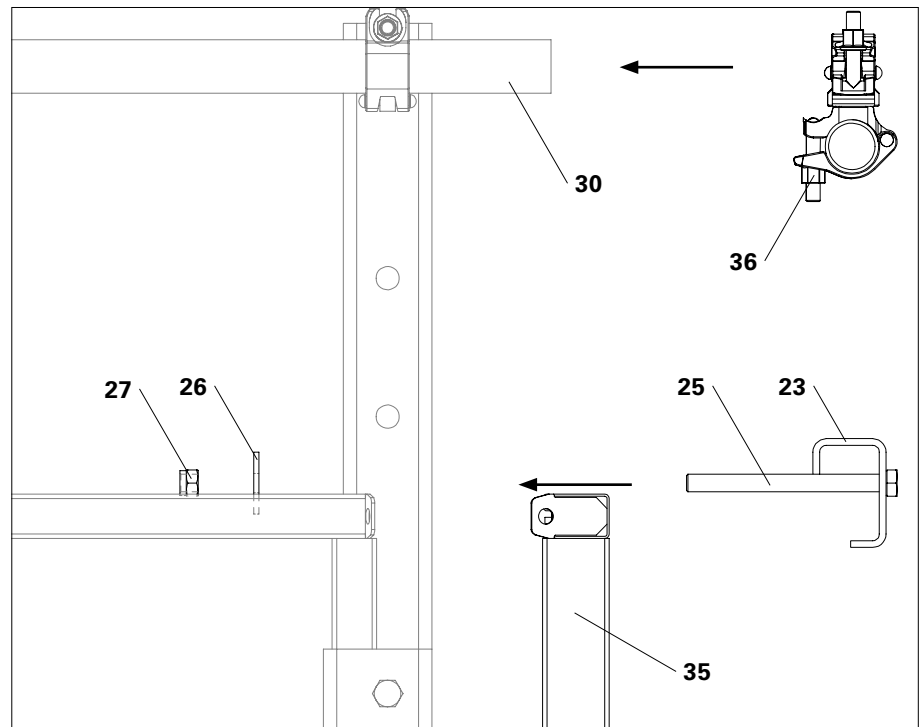


Fig. B4.12a

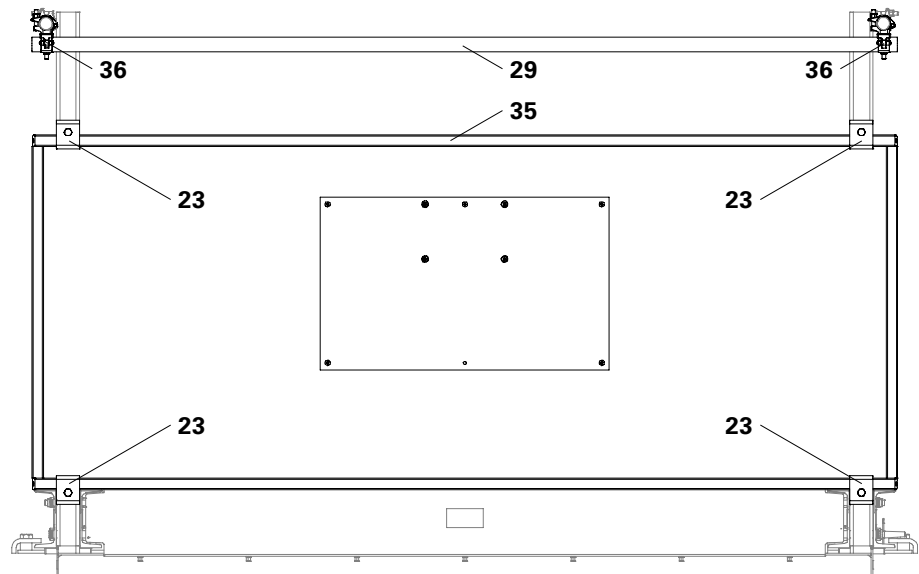


Fig. B4.12

# B4 Assembly of the RCS MP Material Platform 550

## Bracing



**Bolt tips point to the outside when installed.**



Tighten both bracings alternately by hand.

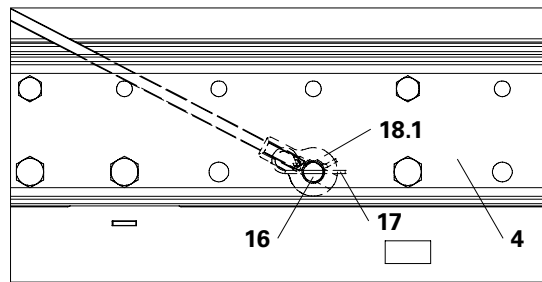


Fig. B4.13a

### Installation of the Bracing RCS-MP

1. Insert bracing with Eye Nut RCS DW 15 (18.1) into the Climbing Rail RCS 998 (4).
2. Attach Eye Nut RCS DW 15 (18.1) with Fitting Pins 26 x 120 (16) and secure with Cotter Pins 5/1 (17). (Fig. B4.13a)
3. Bolt on Articulated Spanner RCS DW 15 (18.2) between the Connection Plate RCS-MP (19) using Fitting Pins 26 x 120 (16) and secure with Cotter Pins 5/1 (17).
4. Tension Bracing RCS-MP by tightening the Hex. Nut DW 15 SW 30/50 (52). (Fig. B4.13b)

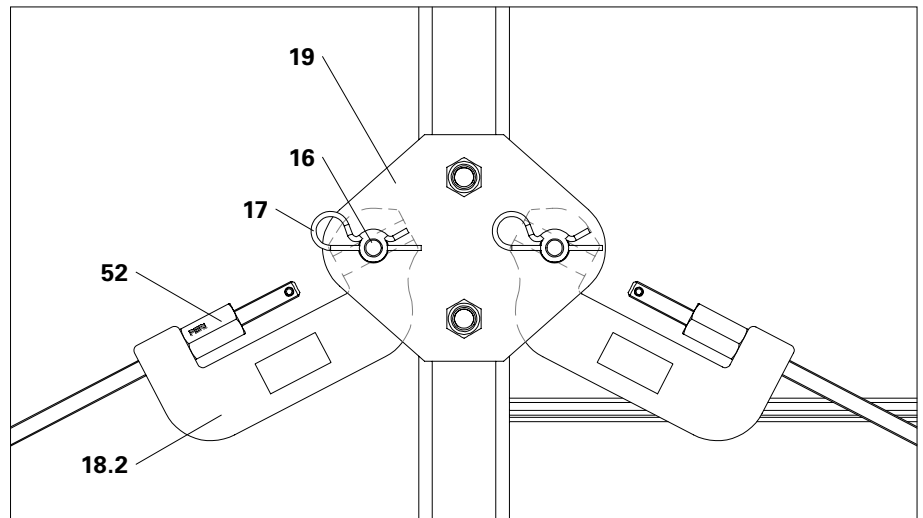


Fig. B4.13b

# C1 RCS MP 375 moving procedure e. g. for SKYDECK Large Pallets



**Follow Instructions for Use for the pallet and stacking devices.**

1. Place SKYDECK elements in Pallet SD 150 x 225, galv. and secure with straps.
2. Move Pallet SD 150 x 225, galv., e.g. with a pallet truck, on the RCS MP 375. (Fig. C1.01)

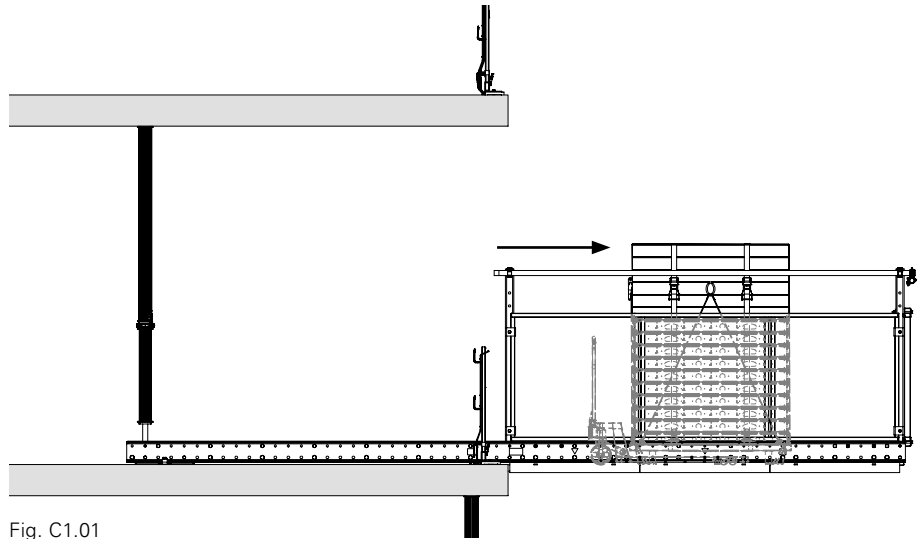
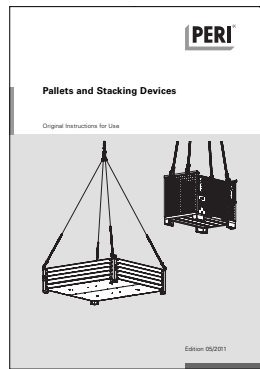


Fig. C1.01



- Load must have sufficient space to the building and must not otherwise tilt.
- Do not stand under suspended loads.

1. Attach Pallet SD 150 x 225, galv. to the crane.



Crane rope must hang vertically downwards.

2. Vacate the RCS MP 375.
3. Move the pallet with the crane. (Fig. C1.02)

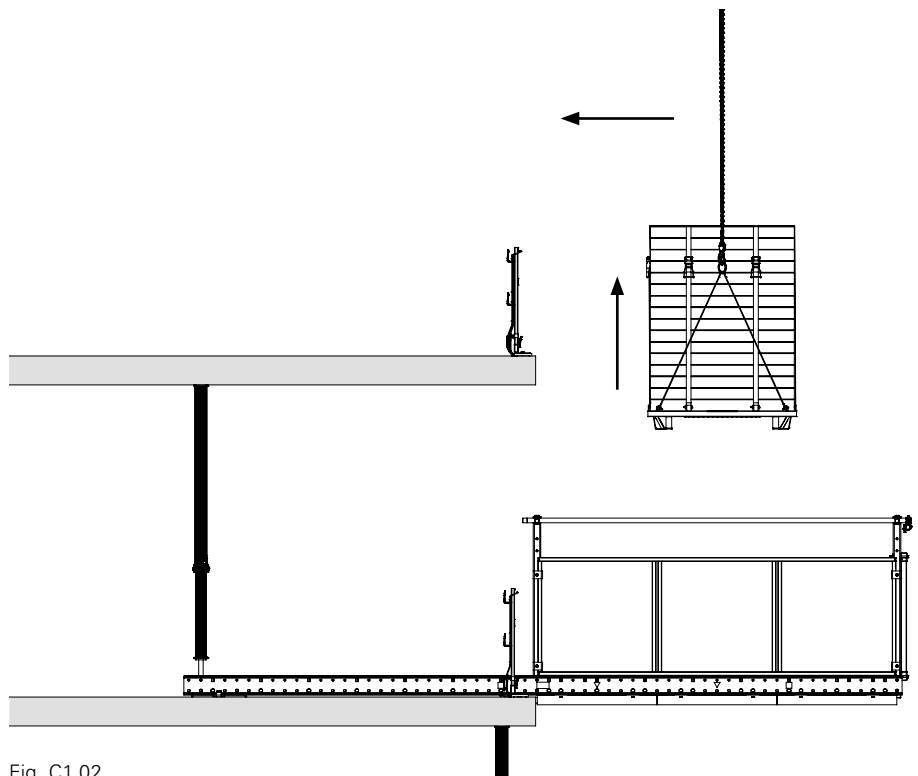


Fig. C1.02



# C2 RCS MP 550 moving procedure e. g. for slab tables



## Follow Instructions for Use for the Lifting Fork.

1. Move slab table, e.g. with the lifting fork, and set down on the RCS MP 550. (Fig. C2.01)
2. Remove lifting fork from the RCS MP 550. (Fig. C2.02)



- Load must have sufficient space to the building and must not otherwise tilt.
- Follow Instructions for Use for the Lifting Fork.
- Do not stand under suspended loads.

3. Lift slab table using a suitable lifting fork.



Crane rope must hang vertically downwards.

4. Vacate the RCS MP 550.
5. Move the slab table using the lifting fork. (Fig. C2.03)
6. Lift and move the slab table using the lifting fork.

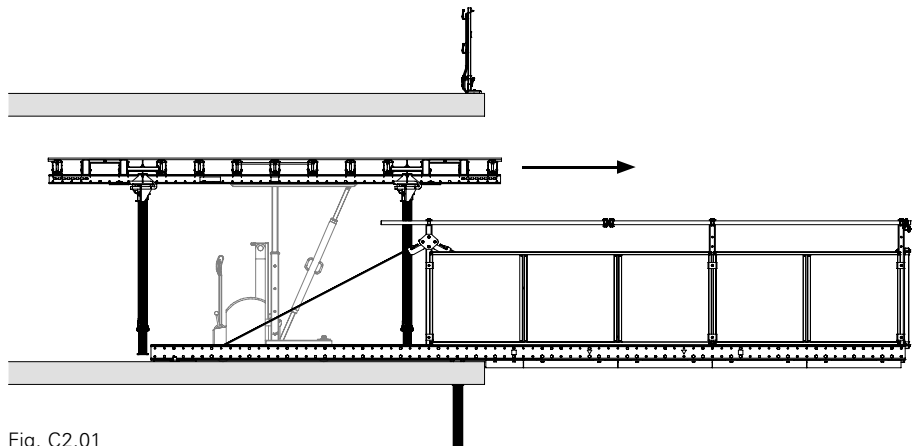


Fig. C2.01

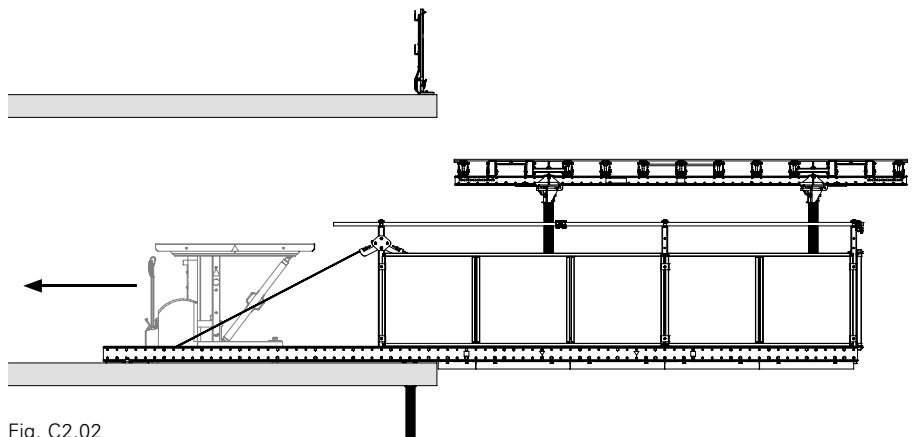


Fig. C2.02

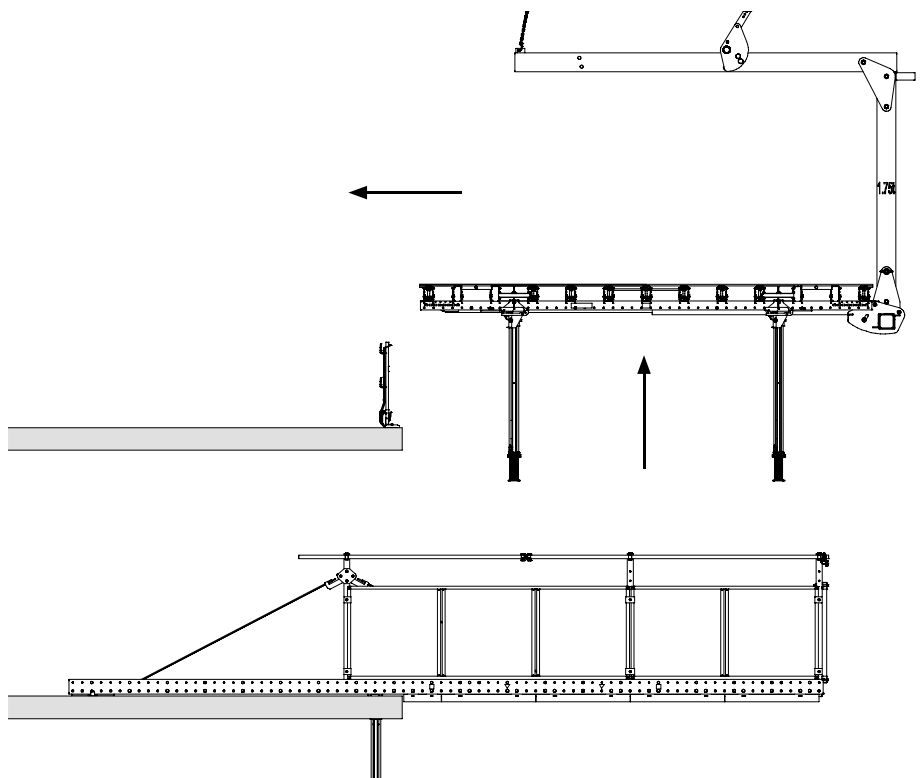
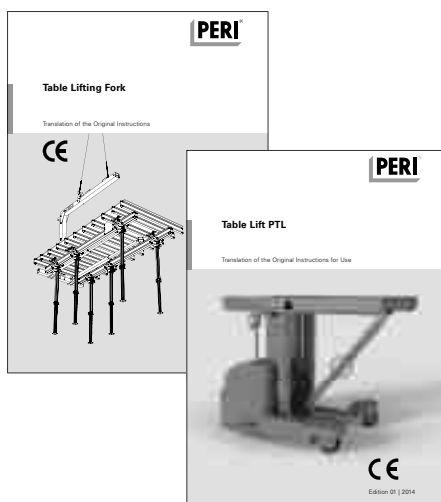


Fig. C2.03

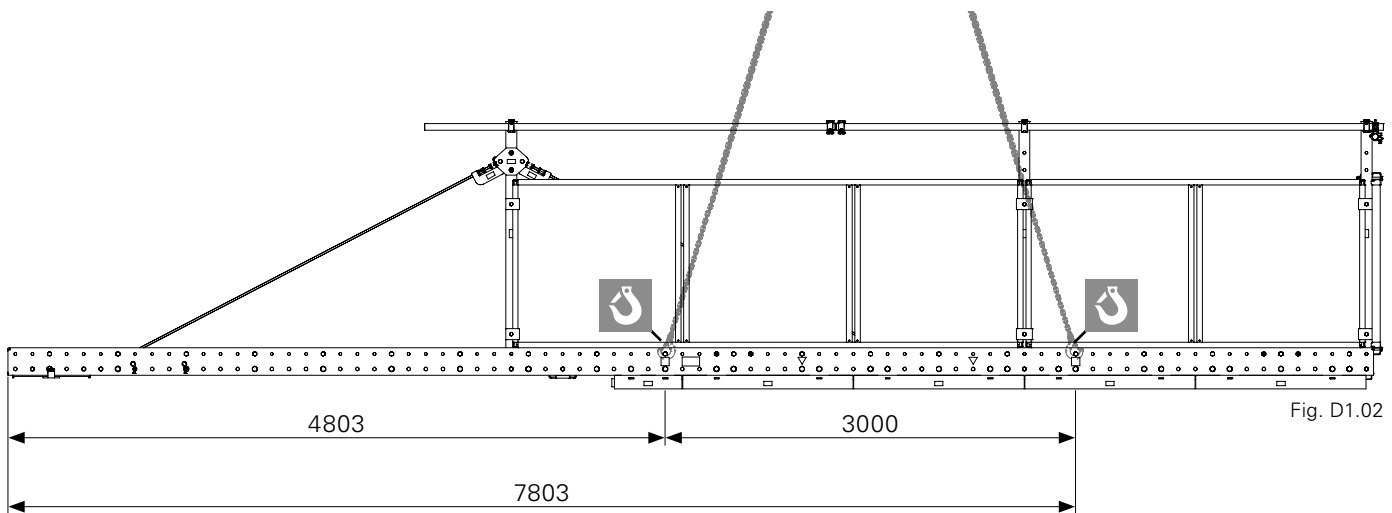
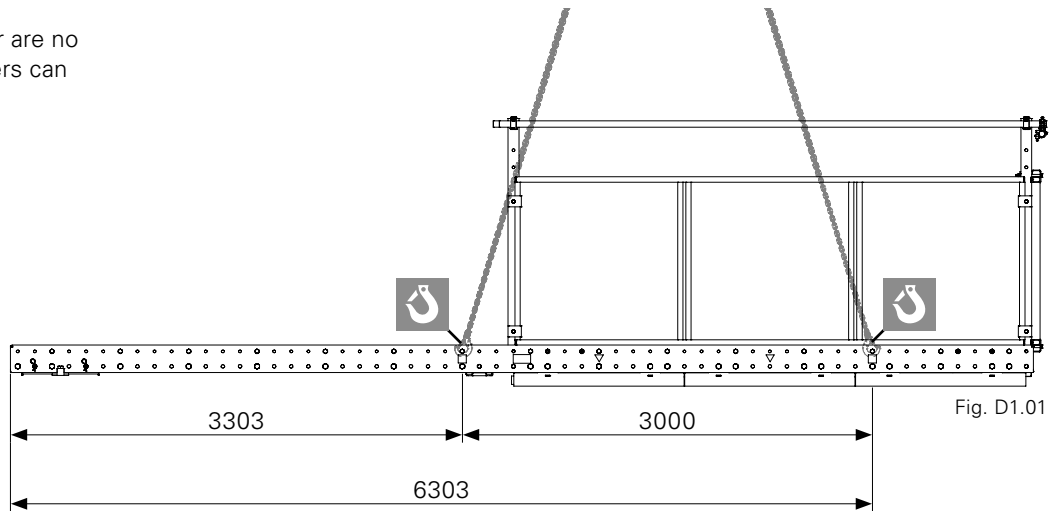


# D1 Load-bearing points



The spacers, which are used as load-bearing points, are marked by means of crane hook stickers (69) attached to Standard Platforms RCS MP 375 and RCS MP 550.

If these stickers are missing or are no longer recognizable, the spacers can also be indicated in colour.



# D2 Moving of the RCS MP as a clamped version



**Moving the RCS MP results in leading edges being created. Areas of risk must be cordoned off and anti-fall protection must be completely in place.**



When enlarging the passageway width, clamp the MULTIPROP MP (44/45) temporary props between the Climbing Rails RCS (3/4) and floor slab, and completely dismantle the indirect support. (See Section B1)

### Moving

1. Attach crane lifting gear to the marked Spacers M20 in the Climbing Rails RCS (3/4). Angle of inclination of crane sling  $\alpha \leq 30^\circ$ .
2. Vacate the RCS MP.
3. Release the Anchor Bolt PERI 14/20 x 130 (50).
4. Raise the crane lifting gear until it is tensioned.



Make sure the crane lifting gear is under tension.

5. In the case of direct support, carefully release the MULTIPROP MP and tilt or carefully release the temporary MULTIPROP MP auxiliary props and remove.
6. Raise the RCS MP with the crane.
7. Move the RCS MP with the crane to the next floor slab.
8. Mount guardrails at the previous platform position from a safe working position.

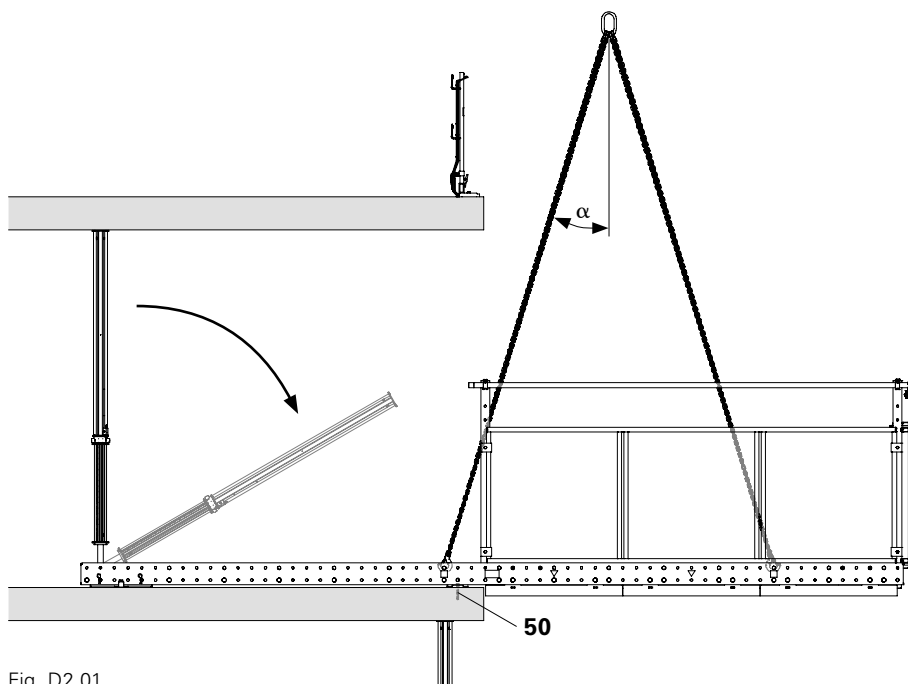


Fig. D2.01

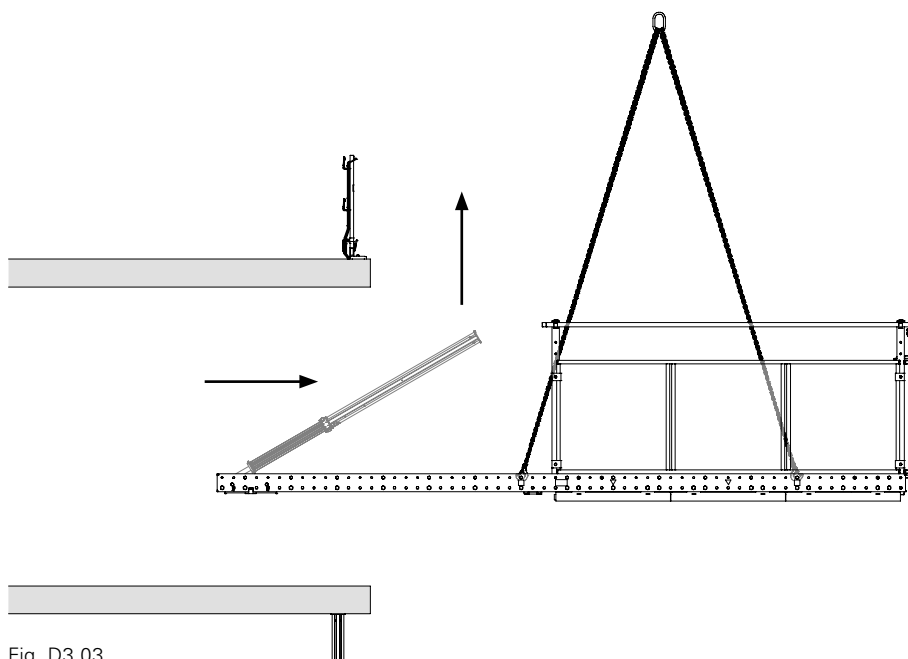


Fig. D3.03

# D2 Moving of the RCS MP as a clamped version

## Mounting the RCS MP



- For securing during platform use, the quick jack nut of the MULTIPROP MP must be made temporarily non-operational in order to prevent accidental release.
- This can take place, for example, by means of a wire or covering.

### Fastening

1. Move Climbing Rails RCS (3/4) into the building and position on the floor slab.
2. Bring into position the Climbing Rails RCS (3/4) with Slab Support Anchor Shoes RCS M24 (1).

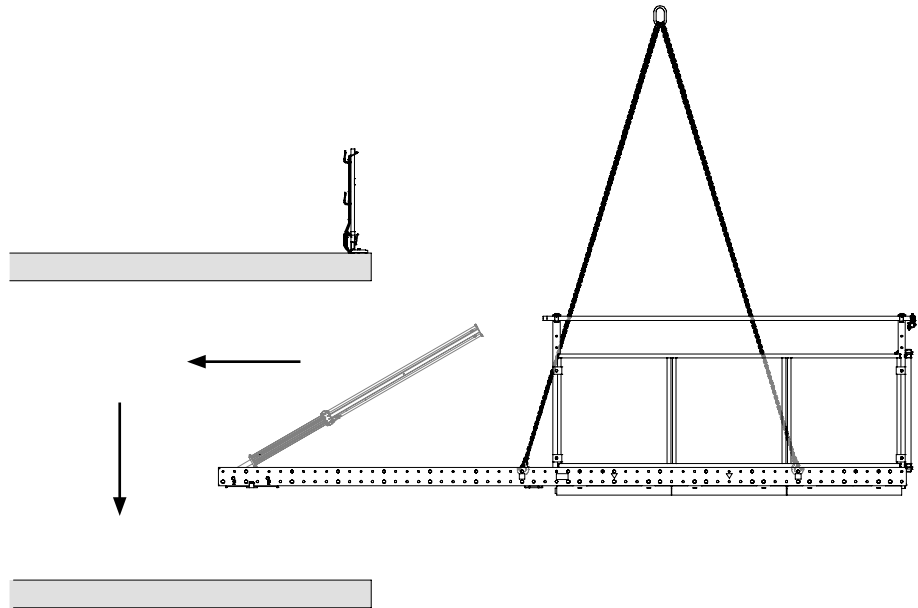


Fig. D3.04



When enlarging the passageway width: clamp the MULTIPROP MP (44/45) auxiliary props between the Climbing Rails RCS (3/4) and floor slab, and completely mount the indirect support. (See Section B1)

### Anchoring the platform

3. Spindle out the MULTIPROP MP (44/45) and press against the concrete slab.
4. Secure the head of the MULTIPROP MP (44/45) in position in the concrete slab with Dowels  $\varnothing 12$  (48).
5. Protect the quick jack nut of the MULTIPROP MP against accidental use.
6. In the case of direct support, carefully release the temporary MULTIPROP MP auxiliary props and remove.

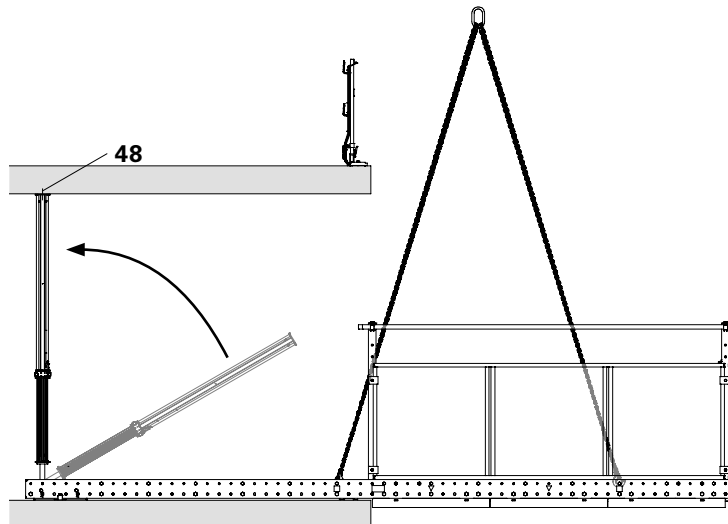
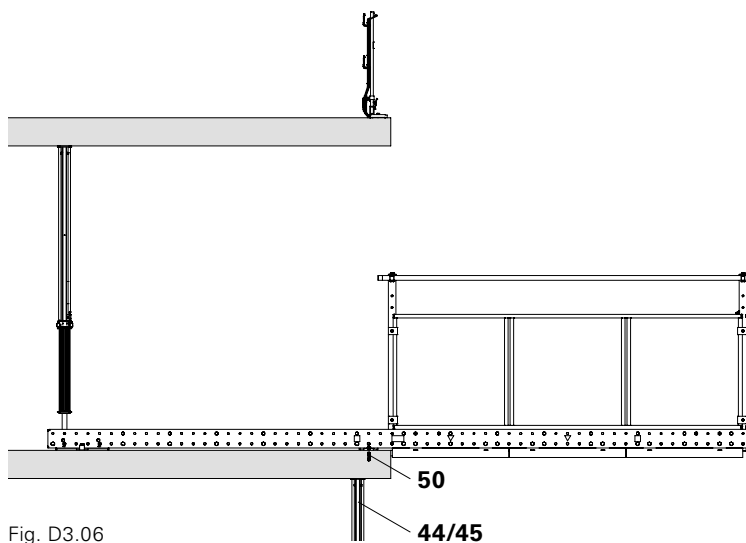


Fig. D3.05

# D2 Moving of the RCS MP as a clamped version

## Final steps

1. Fix Slab Support Alignment RCS (2) in the floor slab using the Anchor Bolt PERI 14/20 x 130 (50).
2. Release crane lifting gear.
3. Attach the MULTIPROP MP (44/45) in the floor below underneath the RCS MP at the slab edge for load distribution.



# D3 Moving of the RCS MP as an anchored version



- Moving the RCS MP results in leading edges being created.
- Areas of risk must be cordoned off and anti-fall protection must be completely in place.

## Moving

1. Attach crane lifting gear to the marked Spacers M20 in the Climbing Rails RCS (3/4). Angle of inclination of crane sling  $\alpha \leq 30^\circ$ .
2. Vacate the RCS MP.
3. Clamp the temporary MULTIPROP MP auxiliary props (44/45) between the Climbing Rails RCS (3/4) and floor slab.
4. Release the Anchor Bolt PERI 14/20 x 130 (50) on the Slab Support Alignment RCS (2).

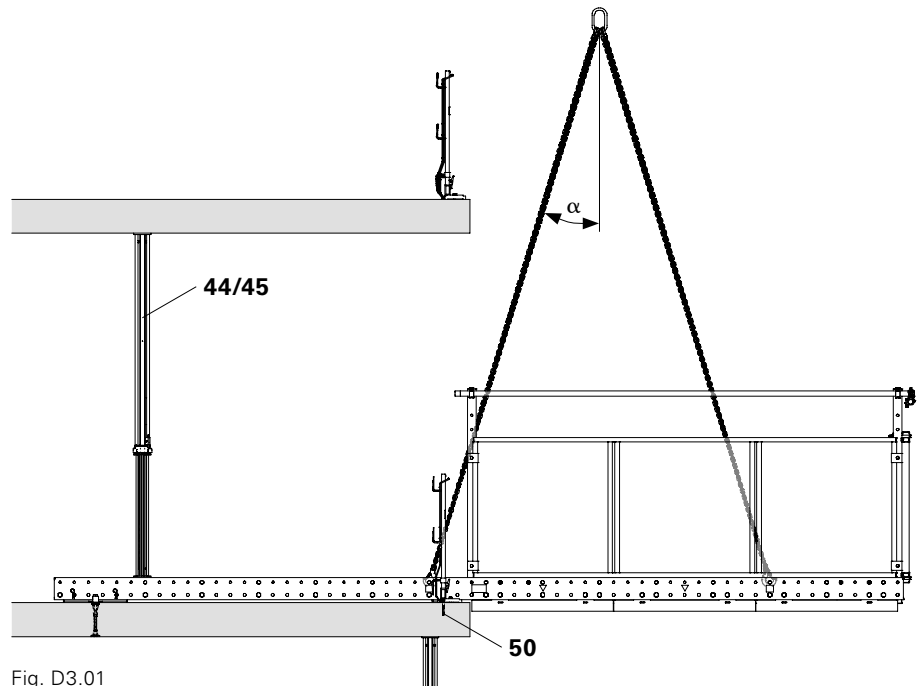


Fig. D3.01



If the climbing rail lifts up, the temporary MULTIPROP MP auxiliary props (44/45) must be re-clamped.

5. Release Bolts ISO 4014 M24 x 70-10.9 (51) or Tie Rods DW 15 (41) in the Slab Support Anchor Shoes RCS M24 (1).
6. Raise the crane lifting gear until it is tensioned.

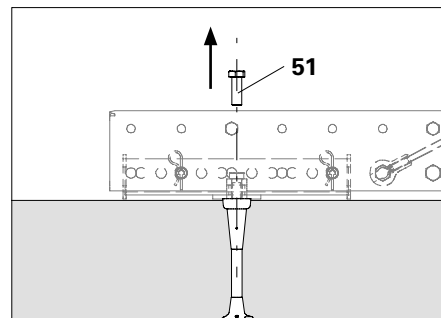


Fig. D3.02a

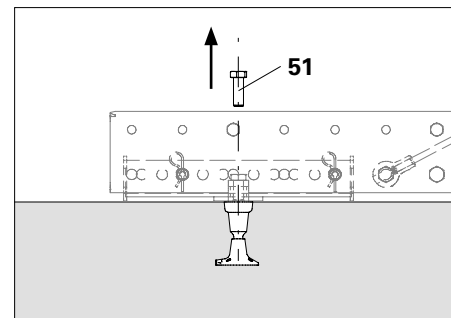


Fig. D3.02b



Make sure the crane lifting gear is under tension.

7. Release MULTIPROP MP auxiliary props (44/45) and remove.
8. Raise the RCS MP with the crane.
9. Move the RCS MP with the crane to the next floor slab.
10. Mount guardrails at the previous platform position from a safe working position.

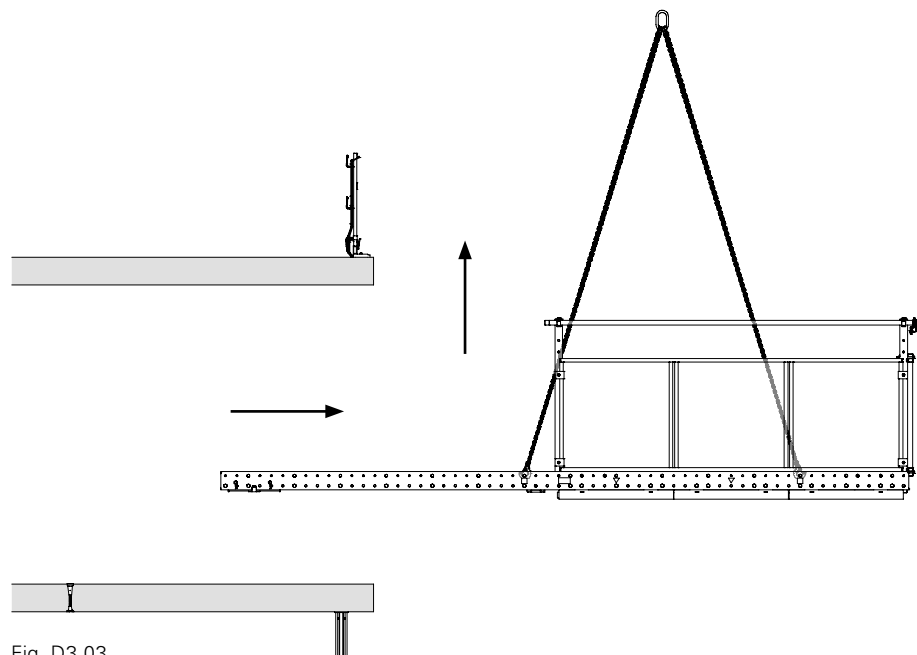


Fig. D3.03

# D3 Moving of the RCS MP as an anchored version

## Mounting the RCS MP



- In the case of the anchoring penetrating the slab, the area of risk below the anchoring must be cordoned off as parts of the anchoring could fall out.
- A safe workplace is required for installing the anchoring.

### Fastening

1. Move Climbing Rails RCS (3/4) into the building and position on the floor slab.
2. Bring into position the Climbing Rails RCS (3/4) with Slab Support Anchor Shoes RCS M24 (1).
3. Clamp the temporary MULTIPROP MP auxiliary props (44/45) between the Climbing Rails RCS (3/4) and floor slab.

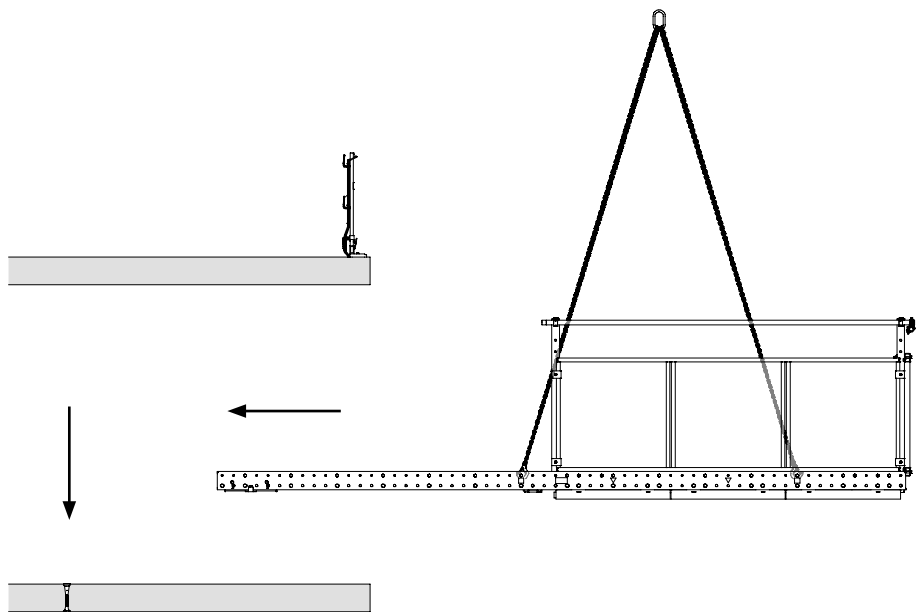


Fig. D3.04

### Anchoring the platform

Climbing Anchor M24 version:

1. Fix Slab Support Anchor Shoe RCS M24 (1) to the Climbing Cone-2 M24/DW 15 (39) using Bolts ISO 4014 M24 x 70-10.9 (51).

Tie Rod DW 15 version (compare with Section B1 Fig. B1.08):

1. Drill through the slab with  $\varnothing 20$  through the hole in the Slab Support Anchor Shoe RCS M24 (1).
2. Anchor the Slab Support Anchor Shoe RCS M24 (1) using Tie Rod DW 15 (41), Anchor Plate RCS DW 20 (43) and Wingnut Pivot Plate DW 15 (42) to the floor slab.

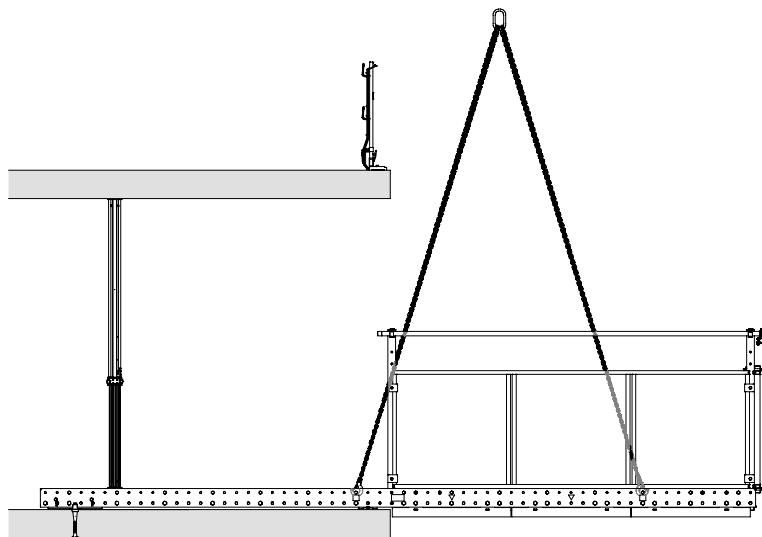


Fig. D3.05

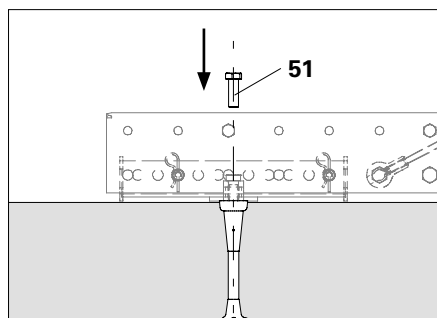


Fig. D3.06a

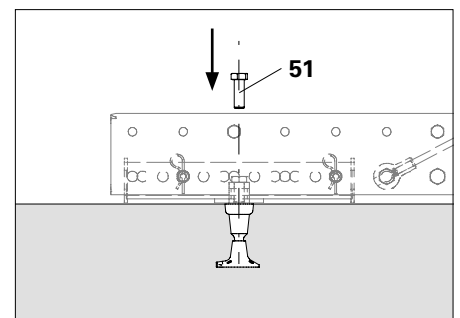


Fig. D3.06b

# D3 Moving of the RCS MP as an anchored version

## Final steps

1. Fix Slab Support Alignment RCS in the floor slab using the Anchor Bolt PERI 14/20 x 130 (50).
2. Release crane lifting gear from the spacers.
3. Remove the temporary MULTIPROP MP auxiliary props.
4. Attach the MULTIPROP MP (44/45) in the floor below underneath the RCS MP at the slab edge for load distribution.

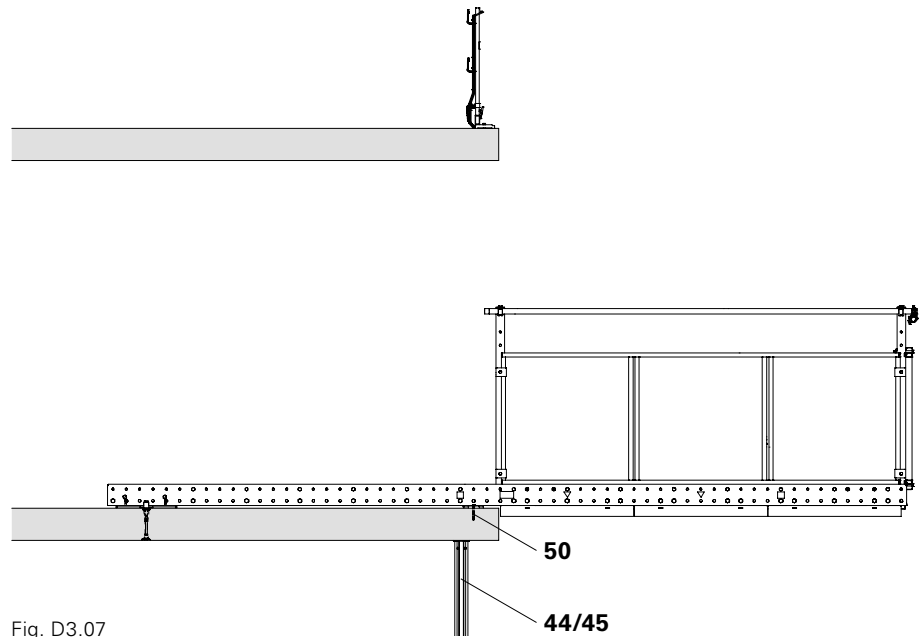


Fig. D3.07





**Follow Instructions for Use for concreting cones.**

## Anchoring with the Screw-On Cone-2

1. Release Screw-On Cone-2 M24/DW 20 (37) by means of socket wrench SW 36 and remove. (Fig. E1.01a)
2. Remaining holes can be sealed by gluing in KK Concrete Cones M24-67/52 (70). (Fig. E1.01b + E1.01c)

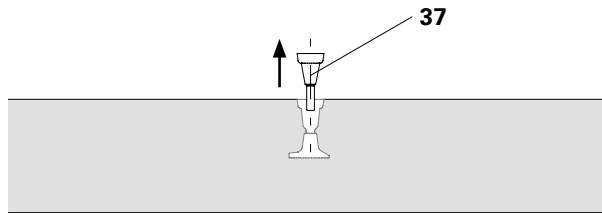


Fig. E1.01a

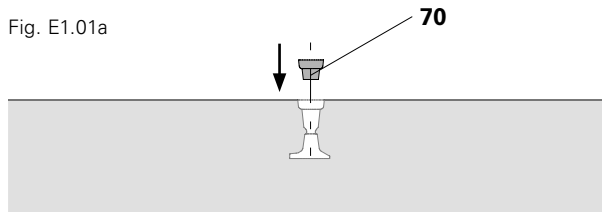


Fig. E1.01b

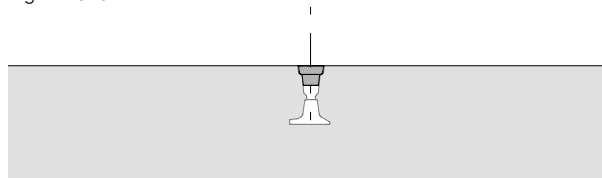


Fig. E1.01c

## Continuous anchoring with Climbing Cone-2 or Tie Rod DW 15



- In the case of the anchoring penetrating the slab, the area of risk below the anchoring must be cordoned off as parts of the anchoring could fall out.
- A safe and secure working position is required to remove the Threaded Anchor Plate DW 15.



An impression of the Threaded Anchor Plate DW 15 remains in the slab soffit.

1. Release Climbing Cone-2 M24/DW 15 (39) by means of socket wrench SW 36.
2. Release Threaded Anchor Plate DW 15 (40) on the Climbing Cone-2 M24/DW 15 (39) using a hammer blow.
3. Hold the Threaded Anchor Plate DW 15 (40) from below and remove the Climbing Cone-2 M24/DW 15 (39) by means of Socket Wrench SW 36.
4. Pull the Threaded Anchor Plate and Tie Rod DW 15 downwards. (Fig. E1.02a)
5. Remaining holes can be sealed by gluing in KK Concrete Cones M24-67/52 (70). (Fig. E1.02b + E1.02c)

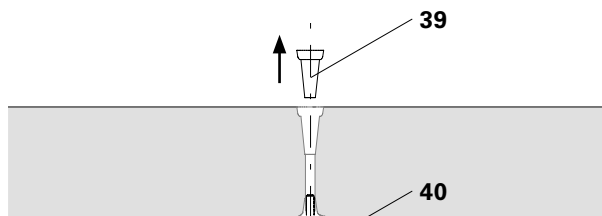


Fig. E1.02a

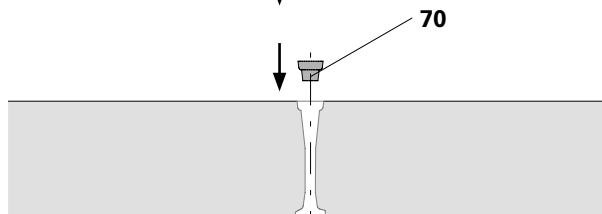


Fig. E1.02b

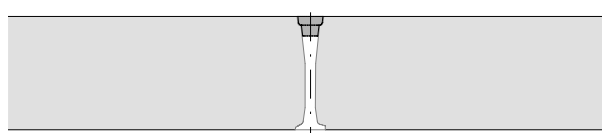


Fig. E1.02c

# E2 Removing the Slab Support Anchor Shoe RCS M24



**The Slab Support Anchor Shoe RCS M24 must not be dismantled while suspended on the crane.**



The Slab Support Anchor Shoe RCS M24 can be dismantled for transportation.

(See Section A1)

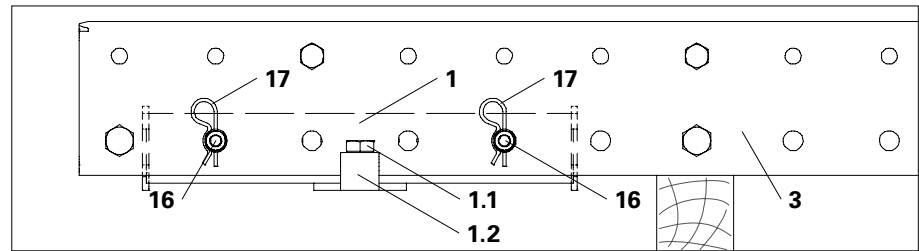


Fig. E2.01

## Dismantling

1. Remove Bolt ISO 4017 M24 x 50-10.9 (1.1) from the Hold-Down Device (1.2) of the Slab Support Anchor Shoe RCS M24 (1).
2. Dismantle the Hold-Down Device (1.2).
3. Remove Fitting Pins  $\varnothing 26 \times 120$  (16) from the Slab Support Anchor Shoe RCS M24 (1).
4. Remove Slab Support Anchor Shoe RCS (1) from the Climbing Rail RCS (3/4).
5. Mount Hold-Down Device (1.2) on the Slab Support Anchor Shoe RCS M24 (1) again using Bolt ISO 4017 M24 x 50-10.9 (1.1).



For transportation, the Slab Support Anchor Shoe RCS M24 can be stored in the Material Box MP-RCS (72).

# E3 Removing the Side Mesh Barrier

## Dismantling the Side Mesh Barrier on the front side

1. Remove Scaffold Tube Steel  $\varnothing 48.3 \times 3.2$ ,  $l = 3.0$  m (29) from the Swivel Coupling DK 48/48 (36).
2. Dismantle Swivel Coupling DK 48/48 (36) on the Scaffold Tube Steel  $\varnothing 48.3 \times 3.2$ ,  $l = 4.0$  m (30).
3. Remove the Mesh Panel Clamps LPS, Single (23) on the front side.
4. Lift out Side Protection RCS-MP Front (35).
5. Set Side Protection RCS-MP Front (35) down on a flat surface with the crane.

## Removing the Side Mesh Barrier

1. Attach the Side Mesh Barrier on the Scaffold Tube Steel  $\varnothing 48.3 \times 3.2$ ,  $l = 4.0$  m (30) to the crane.
2. Remove Fitting Pins  $\varnothing 21 \times 120$  (33) and Fitting Pins  $\varnothing 26 \times 120$  (16) from the Climbing Rails RCS (3/4) and Guardrail Posts RCS-MP (22).
3. Lift out Side Mesh Barrier.
4. Place Side Mesh Barrier on a flat surface.
5. Dismantle the second Side Mesh Barrier in the same way.



- After dismantling, the Side Mesh Barrier can be placed in the RCS MP for transportation.
- Swivel Couplers 48/48 (36) and Mesh Panel Clamps LPS, Single (23) can be placed in the Material Box RCS-MP (72) for transportation. (See Section A1)

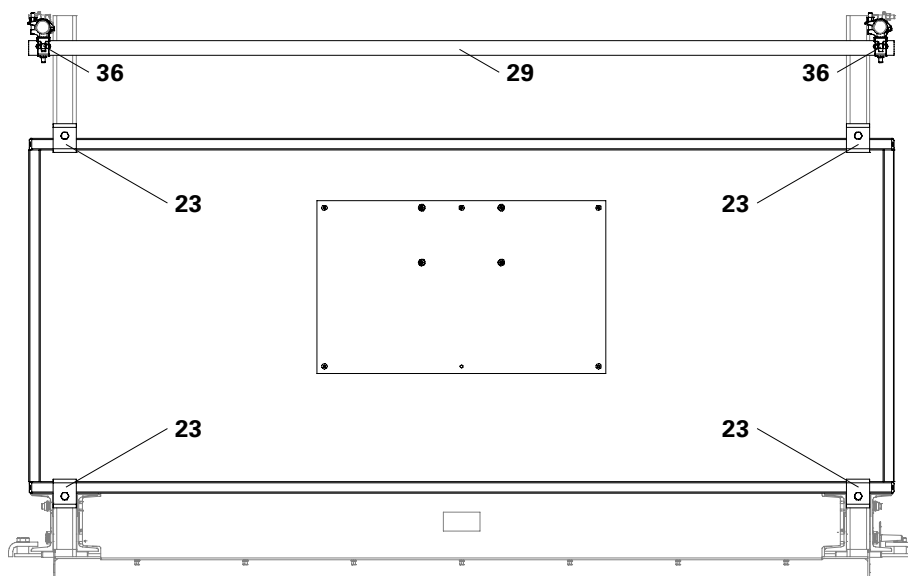


Fig. E3.01

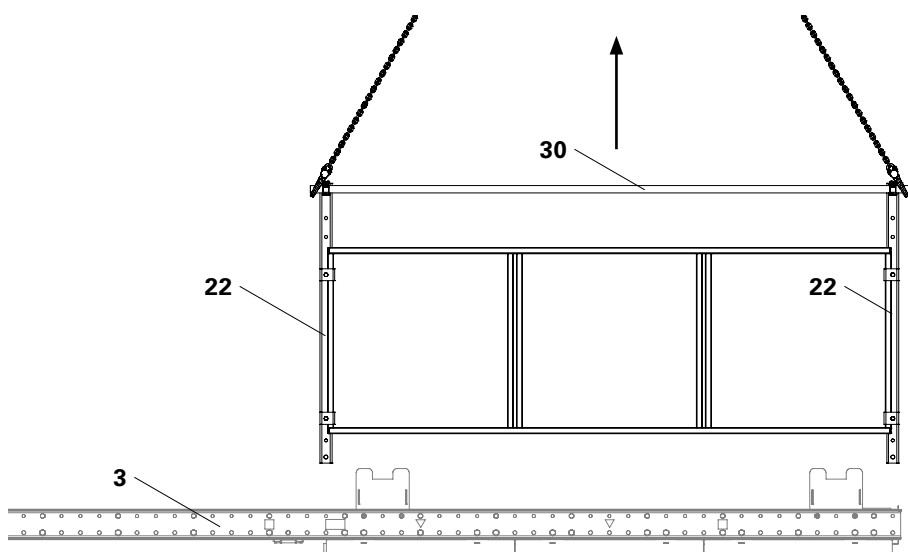


Fig. E3.02

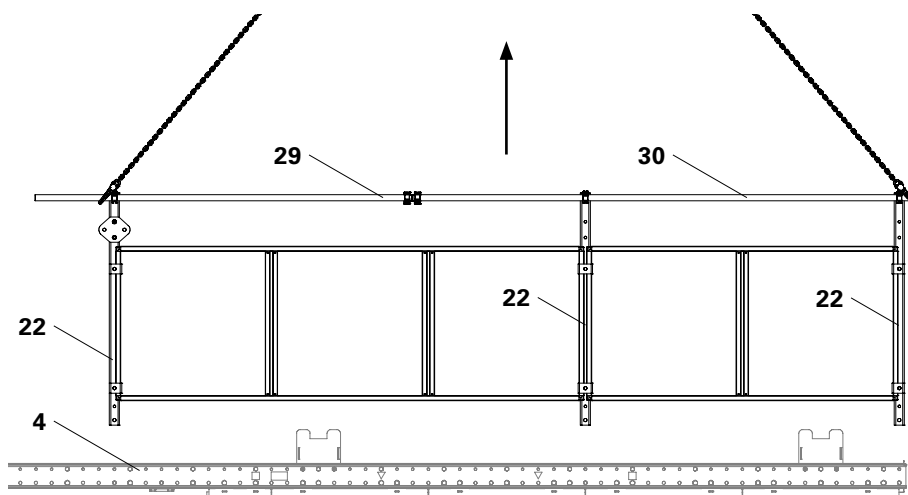


Fig. E3.03

# E4 Removing the Bracing RCS MP 550

## Removing Bracing RCS-MP

1. Remove Fitting Pins  $\varnothing 26 \times 120$  (16) from the Climbing Rail RCS 998 (4).
2. Dismantle Eye Nut RCS DW 15 (18.1) from the Climbing Rail RCS 998 (4).
3. Remove Fitting Pins  $\varnothing 26 \times 120$  (16) from the Connection Plate RCS-MP (19).
4. Remove Articulated Spanner RCS DW 15 (18.2) from the Connection Plate RCS-MP (19).

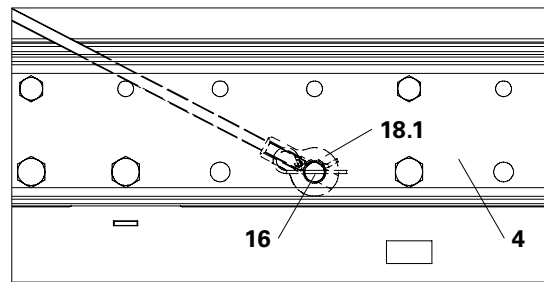


Fig. E4.01a

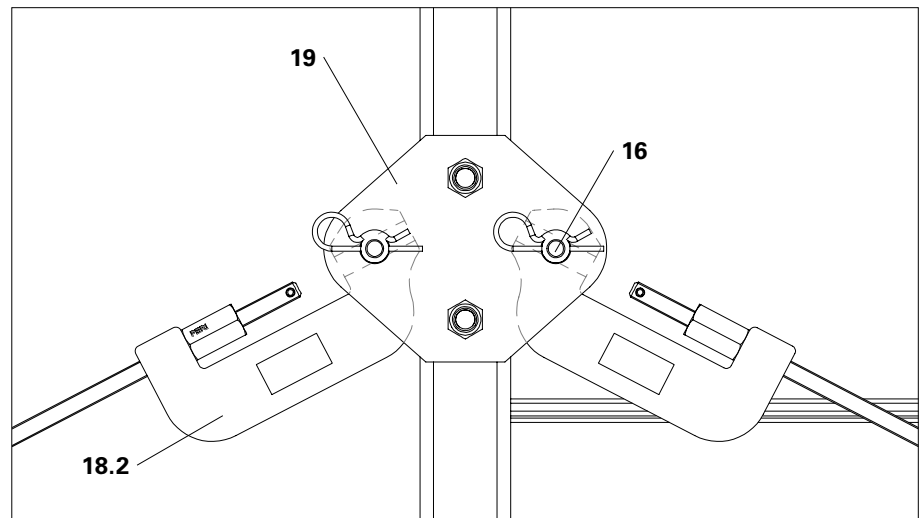


Fig. E4.01b



Item no.	Weight kg
126538	2030.000

## Material Platform RCS-MP 375

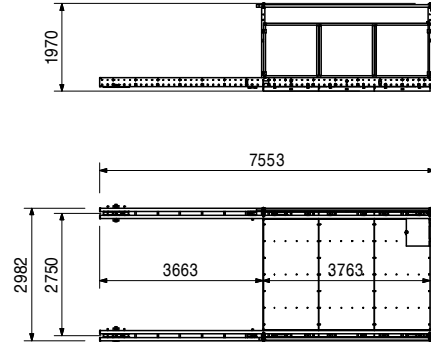
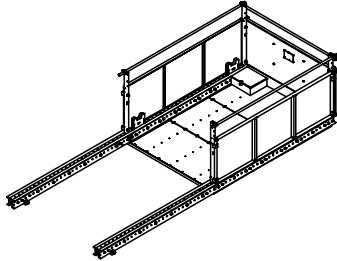
Landing platform for crane-handled moving of panel slab formwork and other construction material. To be anchored in the slab or clamped in-between.

## Complete with

- 1 pc. 126786 Indication Label RCS-MP
- 1 pc. 727840 Material Box RCS-P
- 2 pc. 112359 Slab Support Anchor Shoe RCS M24
- 2 pc. 116538 Slab Support Alignment RCS
- 4 pc. 127301 Stacking Aid RCS-MP

## Note

Delivery in stackable assembly units.



126539	2910.000
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## Material Platform RCS-MP 550

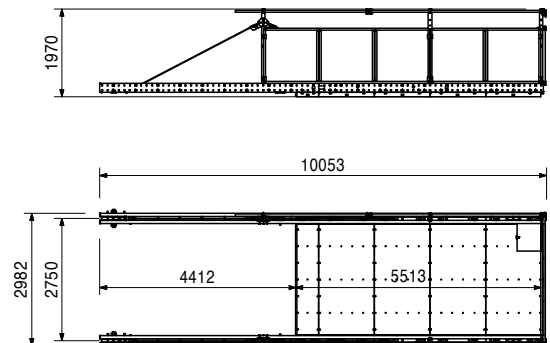
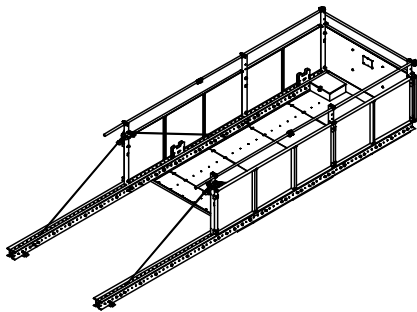
Landing platform for crane-handled moving of panel slab formwork and other construction material. To be anchored in the slab or clamped in-between.

## Complete with

- 1 pc. 126786 Indication Label RCS-MP
- 1 pc. 727840 Material Box RCS-P
- 2 pc. 112359 Slab Support Anchor Shoe RCS M24
- 2 pc. 116538 Slab Support Alignment RCS
- 4 pc. 127301 Stacking Aid RCS-MP

## Note

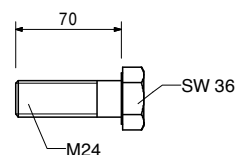
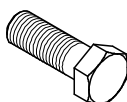
Delivery in stackable assembly units.



026430	0.334
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## Bolt ISO 4014 M24 x 70-10.9, glav.

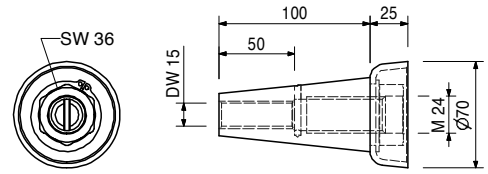
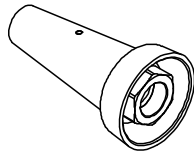
High-strength bolt for anchoring climbing systems.



Item no.	Weight kg
031220	1.010

**Climbing Cone-2 M24/DW 15, galv.**  
Anchor system M24.  
For anchoring climbing systems.

**Note**  
Seperate design information on request.



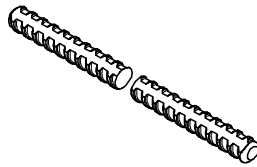
030840	0.515
030030	1.440
030740	1.550

Accessories  
**Threaded Anchor Plate DW 15**  
**Tie Rod DW 15, spec. length**  
**Tie Rod B 15, spec. length**

030030	1.440
030050	0.000

**Tie Rod DW 15**  
**Tie Rod DW 15, spec. length**  
**Cutting Cost Tie Rod DW 15, B 15**

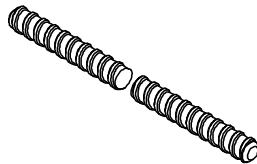
**Note**  
Non-weldable! Take official approval into consideration!  
**Technical Data**  
Permissible tension force 90 kN.



030740	1.550
030050	0.000

**Tie Rod B 15**  
**Tie Rod B 15, spec. length**  
**Cutting Cost Tie Rod DW 15, B 15**

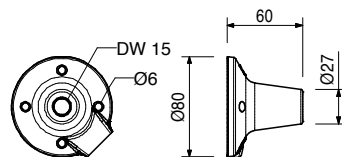
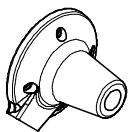
**Note**  
Weldable! Take official approval into consideration!  
**Technical Data**  
Permissible tension force 82 kN.



030840	0.515
--------	-------

**Threaded Anchor Plate DW 15**  
For use with Tie Rod DW 15 or B 15. For anchoring in concrete.

**Note**  
Lost anchor part.



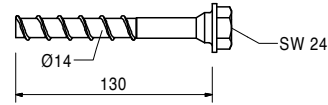
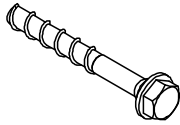
Item no.	Weight kg
124777	0.210

### Anchor Bolt PERI 14/20 x 130

For temporary fixation to reinforced concrete structures.

### Note

See PERI data sheet!  
Drilling  $\varnothing$  14 mm.



030370	1.660
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### Wingnut Pivot Plate DW 15, galv.

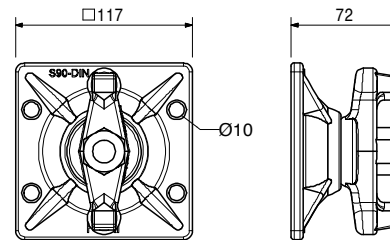
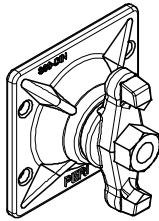
For anchoring with Tie Rod DW 15 and B 15. With pivoting captive nut. Maximum angle of tilting 8°.

### Note

Wrench size SW 27.

### Technical Data

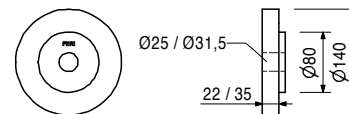
Permissible load 90 kN.



114082	2.860
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### Counterplate RCS DW 20

Counterplate with centring for anchoring through the Climbing Rail RCS.





Item no.	Weight kg
027290	19.500
027291	24.700

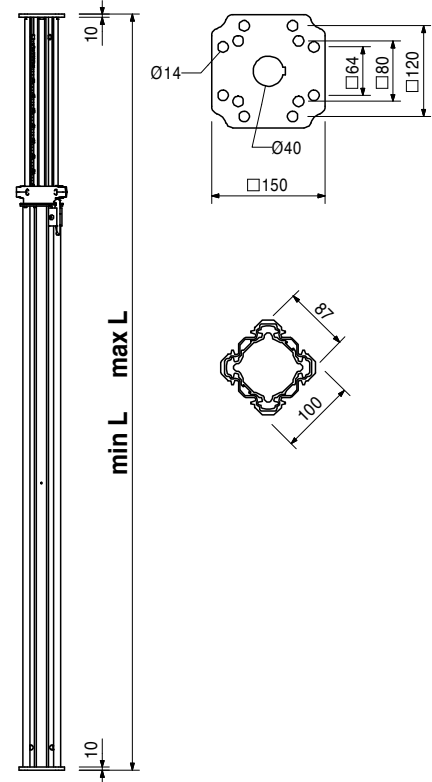
**MULTIPROP MP**  
**MULTIPROP MP 350**  
**MULTIPROP MP 480**

Slab prop made of aluminium. Used as individual prop as well as in combination with MULTIPROP Frames MRK to form towers.

min. L	max. L
1950	3500
2600	4800

**Note**

Approved by the German Building Authorities No. Z-8.312-824. Permissible load: see PERI Design Tables.



107161	3.050
--------	-------

**Compression Brace Head MP/SRU**

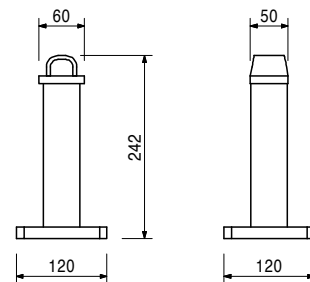
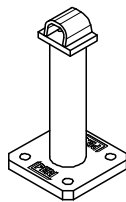
As connecting element between MULTIPROP slab props and Steel Waler SRU/SRZ.

**Note**

Separate design information on request.

**Technical Data**

Permissible load-bearing capacity 70 kN.



104031	0.462
018060	0.030
111142	0.082

Accessories

**Fitting Pin Ø 21 x 120**

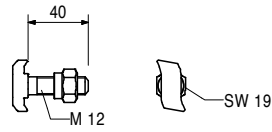
**Cotter Pin 4/1, galv.**

**MULTIPROP Bolt with Nut**

Item no.	Weight kg
111142	0.082

### MULTIPROP Bolt with Nut

For connecting 2 MULTIPROP MP slab props, for connecting compression Brace Head MP/SRU and for the assembly of accessories on the Alu Beam MPB 24.



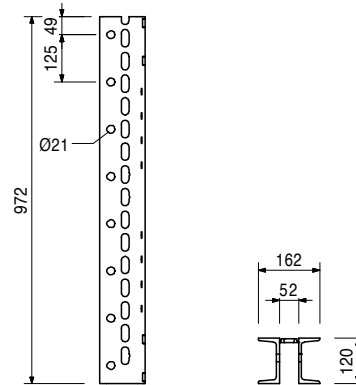
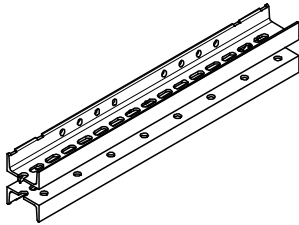
103871	24.200
--------	--------

### Steel Waler Universal SRU U120, l = 0.97 m

Universal steel waler with U-profile used as waling for girder wall formwork and for diverse special applications. With adjustable spacers.

### Technical Data

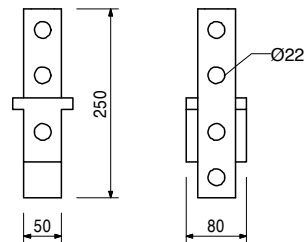
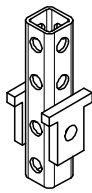
Permissible load: see PERI Design Tables.



111279	2.450
--------	-------

### Cross Connector VARIOKIT

For right-angled connection of Steel Walers SRU or Climbing Rails RCS.



Accessories

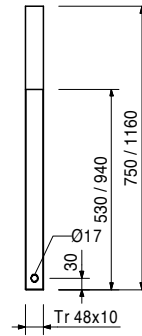
104031	0.462
018060	0.030

**Fitting Pin Ø 21 x 120**

**Cotter Pin 4/1, galv.**

Item no.	Weight kg
018120	4.400

**Spindle Tube TR 48-75/40, galv.**  
 For use as head and base spindle for the PD 8 Systems and Flex Plus Shoring.



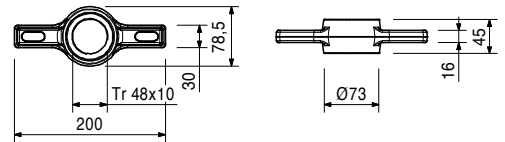
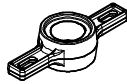
Accessories

127604	1.270
--------	-------

**Quick Jack Nut TR 48-2, galv.**

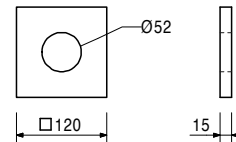
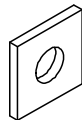
127604	1.270
--------	-------

**Quick Jack Nut TR 48-2, galv.**  
 For spindles Ø 48 mm; with additional groove.



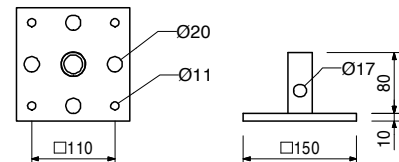
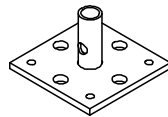
114618	1.450
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**Spindle Counter Plate VARIOKIT**  
 For transferring the spindle load into SRU/SRZ.



018070	1.770
--------	-------

**Base Plate for Spindle Tube TR 48**  
 Base plate for Spindle Tubes and Foot Tube FR 80.



Accessories

018050	0.171
018060	0.030

**Pin Ø 16 x 65/86, galv.**  
**Cotter Pin 4/1, galv.**

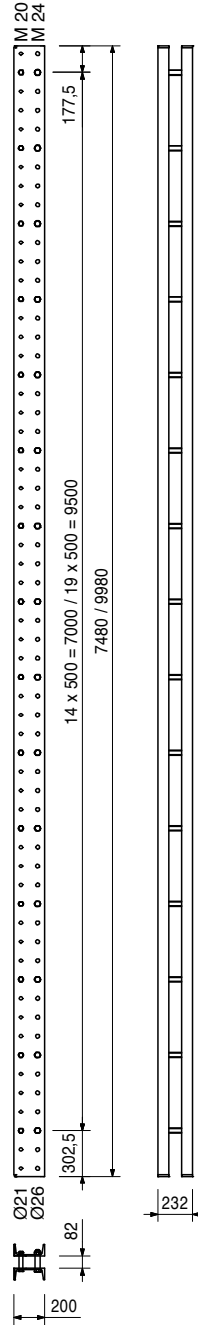
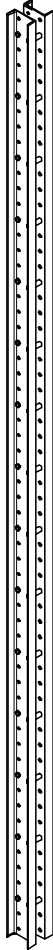
Item no.	Weight kg
109472	393.000
109610	524.000

**Climbing Rails**  
**Climbing Rail RCS 748**  
**Climbing Rail RCS 998**

Steel profile for all-purpose use of climbing application or civil constructions. With Spacer M20-82 and M24-82.

L
7480
9980

**Technical Data**  
 2 x U200 DIN 1026

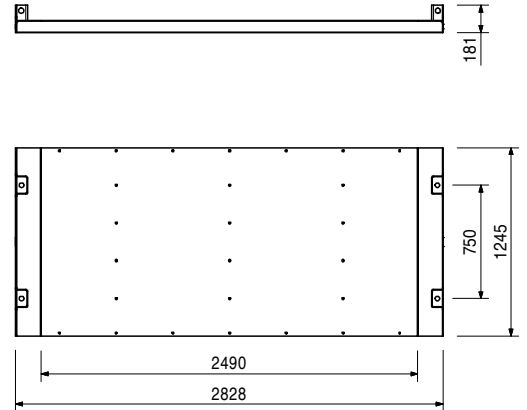
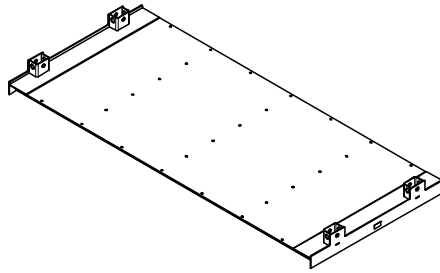


# RCS-MP Material Platform 375 | 550



Item no.	Weight kg
126508	246.000

**Platform Panel RCS-MP 125 x 275**  
 Checkered steel platform decking for Material Platform RCS-MP.

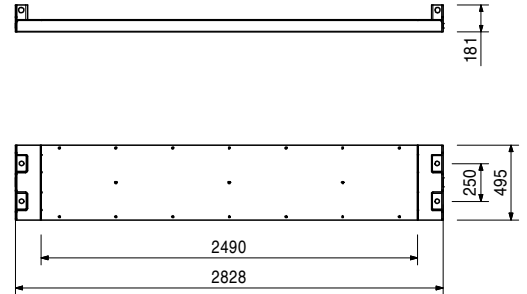
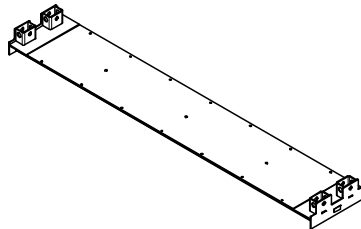


109612	0.600
105032	0.070
126500	9.900

Accessories  
**Bolt ISO 4014 M24 x 130-8.8, galv.**  
**Nut ISO 7042 M24-8, galv.**  
**Joint Filler Sheet RCS-MP 250**

126512	102.000
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**Platform Panel RCS-MP 50 x 275**  
 Checkered steel platform decking for Material Platform RCS-MP.



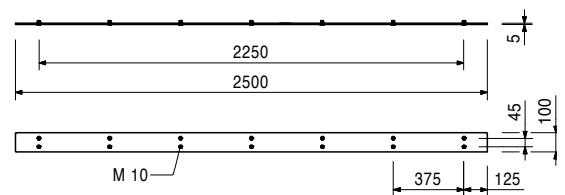
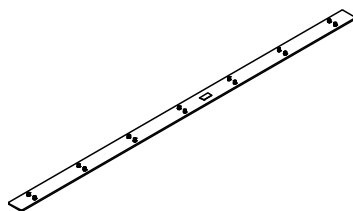
109612	0.600
105032	0.070
126500	9.900

Accessories  
**Bolt ISO 4014 M24 x 130-8.8, galv.**  
**Nut ISO 7042 M24-8, galv.**  
**Joint Filler Sheet RCS-MP 250**

126500	9.900
--------	-------

**Joint Filler Sheet RCS-MP 250**  
 To connect Platform Panels RCS-MP.

**Complete with**  
 14 pc. 125697 Blind Rivet Nut M10 3.5-6.0 6KT FL



125991	0.023
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Accessories  
**Oval-Head Screw ISO 7380 M10 x 25-10.9, galv**

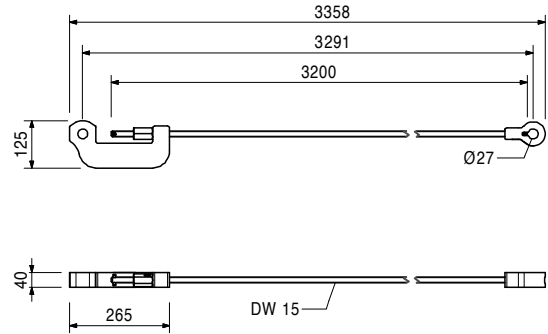
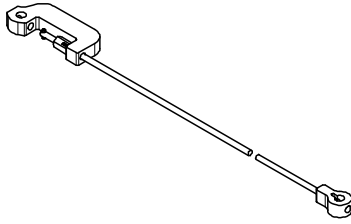
Item no.	Weight kg
126536	11.800

### Bracing RCS-MP

To reduce the deflection on far projecting Material Platforms RCS-MP.

### Complete with

- 1 pc. 115378 Eye Nut RCS DW 15
- 1 pc. 115375 Articulated Spanner RCS DW 15
- 1 pc. 030070 Hex. Nut DW 15 SW 30/50, galv.
- 1 pc. 780807 Sleeve ISO8752-08, 0 x 028, galv.



111567	0.729
022230	0.033

### Accessories

- Fitting Pin Ø 26 x 120**
- Cotter Pin 5/1, galv.**

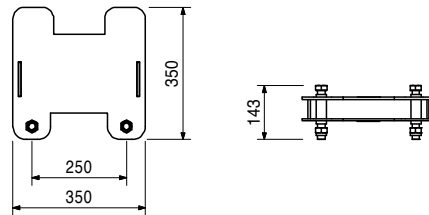
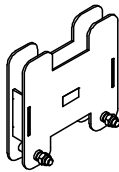
127301	11.200
--------	--------

### Stacking Aid RCS-MP

For safe loading and stacking of Material Platforms RCS-MP.

### Complete with

- 2 pc. 711078 Bolt ISO 4014 M20 x 130-8.8, galv.
- 2 pc. 781053 Nut ISO 7042 M20-8, galv.



104477	0.300
781053	0.065

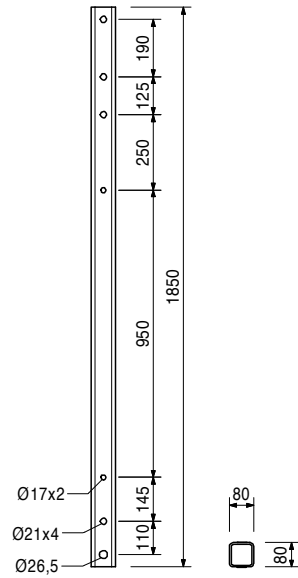
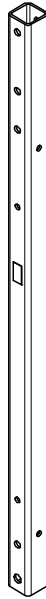
### Accessories

- Bolt ISO 4014 M20 x 120-8.8, galv.**
- Nut ISO 7042 M20-8, galv.**

Item no.	Weight kg
126495	24.200

## Guardrail Post RCS-MP

For fixation of the side protection on Material Platforms RCS-MP with horizontal Climbing Rail RCS.



104477	0.300
781053	0.065
104031	0.462
018060	0.030

### Accessories

**Bolt ISO 4014 M20 x 120-8.8, galv.**

**Nut ISO 7042 M20-8, galv.**

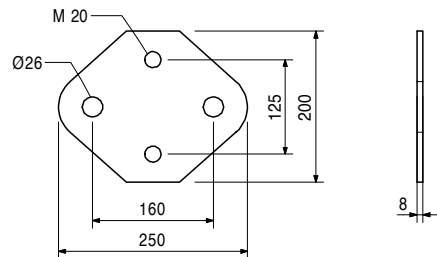
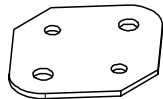
**Fitting Pin Ø 21 x 120**

**Cotter Pin 4/1, galv.**

126493	2.110
--------	-------

## Connection Plate RCS-MP

For connection of the Bracing RCS-MP to the Guardrail Post RCS-MP 185.



104477	0.300
781053	0.065

### Accessories

**Bolt ISO 4014 M20 x 120-8.8, galv.**

**Nut ISO 7042 M20-8, galv.**

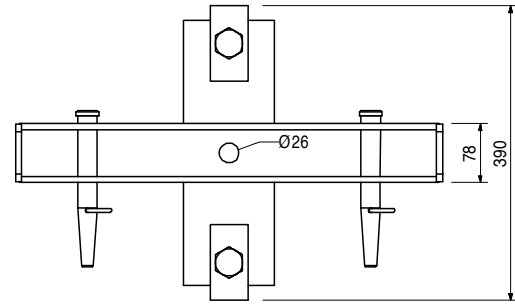
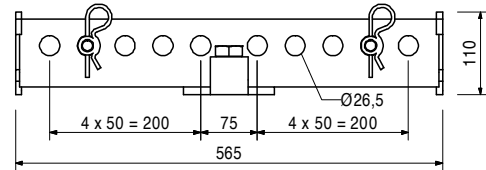
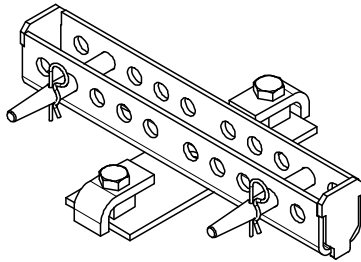
Item no.	Weight kg
112359	15.000

### Slab Support Anchor Shoe RCS M24

Anchor System M24. For anchoring the slab support with horizontal Climbing Rail RCS.

### Complete with

- 2 pc. 111567 Fitting Pin  $\varnothing$  26 x 120
- 2 pc. 022230 Cotter Pin 5/1, galv.
- 2 pc. 026290 Bolt ISO 4017 M24 x 50-10.9, galv.



### Accessories

026430	0.334
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### Bolt ISO 4014 M24 x 70-10.9, galv.

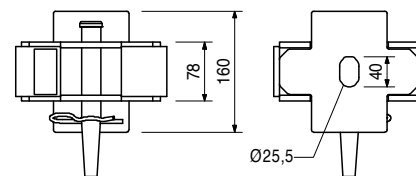
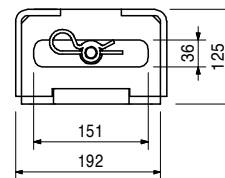
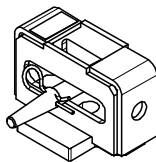
116538	6.900
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### Slab Support Alignment RCS

As compression point and for alignment of the slab support with horizontal Climbing Rail RCS. Fixation with the Anchor Bolt 14/20 x 130 or the anchor system M24.

### Complete with

- 1 pc. 111567 Fitting Pin  $\varnothing$  26 x 120
- 1 pc. 022230 Cotter Pin 5/1, galv.



### Accessories

124777	0.210
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### Anchor Bolt PERI 14/20 x 130



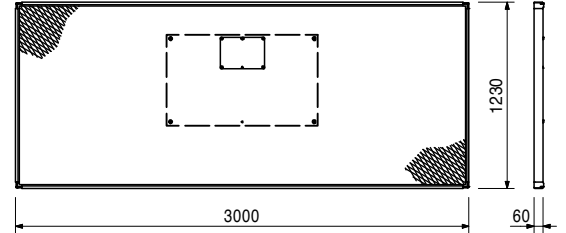
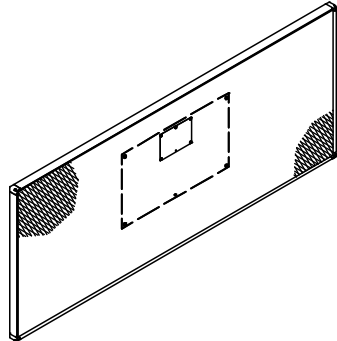
Item no.	Weight kg
127040	48.100

### Side Protection RCS-MP Front

Front guard-rail for Material Platform RCS-MP.

### Complete with

- 1 pc. 126786 Indication Label RCS-MP
- 1 pc. 792060 Adv. PERI, 100 x 60 cm, Mash
- 18 pc. 127036 Washer ISO 7093-1-06-200HV, galv.
- 8 pc. 710342 Washer ISO 7093-1-08-200 HV, galv.
- 9 pc. 111862 Rivet DIN 7337-A6,0X25-AL



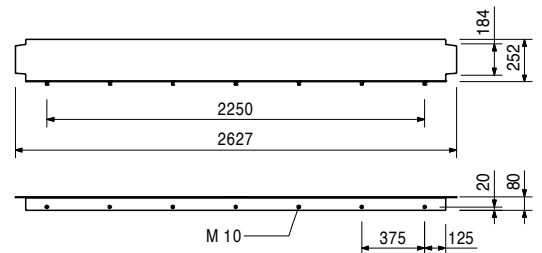
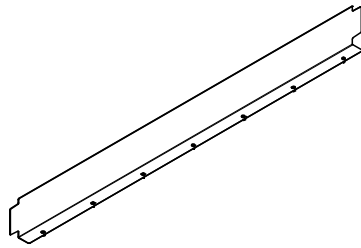
126521	19.800
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### Toe Board RCS-MP 263

To complete the Side Protection RCS-MP Front.

### Complete with

- 7 pc. 125697 Blind Rivet Nut M10 3.5-6.0 6KT FL



Accessories

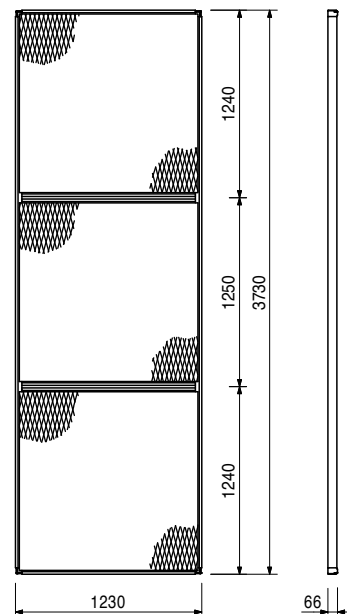
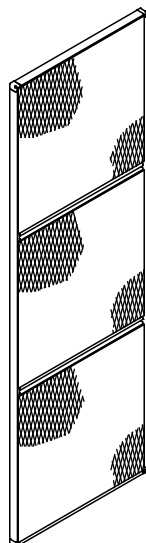
125991	0.023
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### Oval-Head Screw ISO 7380 M10 x 25-10.9, galv

127560	69.900
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### Telescopic Screen DX LPS 123 x 373

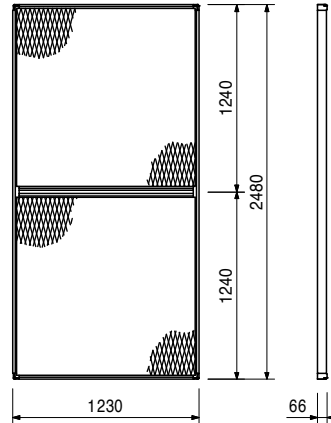
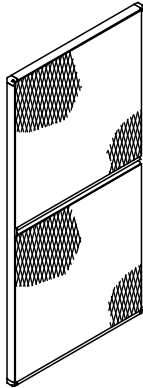
Mesh protection panel with telescopic function or as side protection on Material Platforms RCS-MP. Duplex coated. Mesh size 40 x 17 x 3.



Item no.	Weight kg
127556	46.500

## Telescopic Screen DX LPS 123 x 248

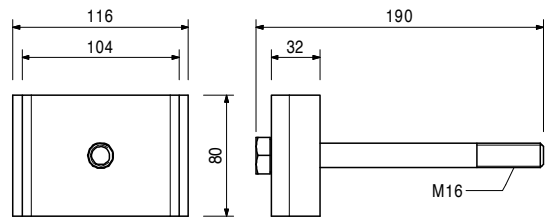
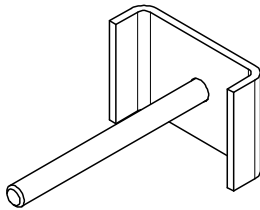
Mesh protection panel with telescopic function or as side protection on Material Platforms RCS-MP. Duplex coated. Mesh size 40 x 17 x 3.



117158	0.915
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## Mesh Panel Clamp LPS, Double

With welded bolt M16 x 180.



### Accessories

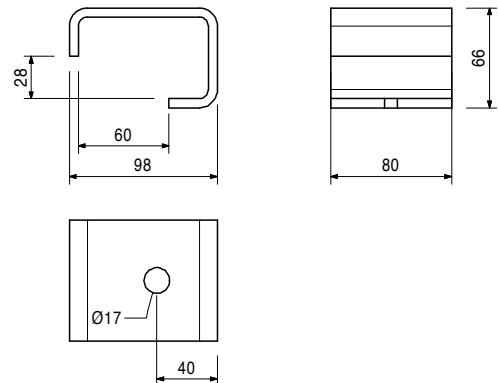
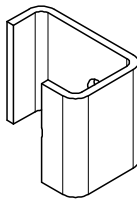
113349	0.087
070890	0.030

**Washer ISO 7094 100 HV, A 16, galv.**

**Nut ISO 7042 M16-8, galv.**

117063	0.737
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## Mesh Panel Clamp LPS, Single



### Accessories

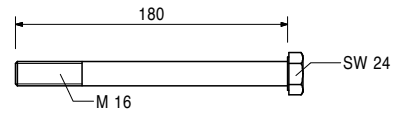
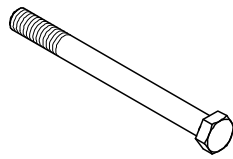
113624	0.320
113349	0.087
070890	0.030

**Hex Bolt ISO 4014 M16 x 180-8.8, galv.**

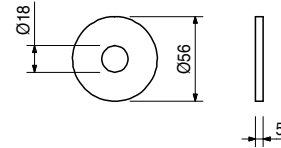
**Washer ISO 7094 100 HV, A 16, galv.**

**Nut ISO 7042 M16-8, galv.**

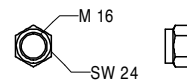
Item no.	Weight kg	
113624	0.320	<b>Hex Bolt ISO 4014 M16 x 180-8.8, galv.</b>



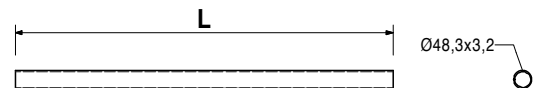
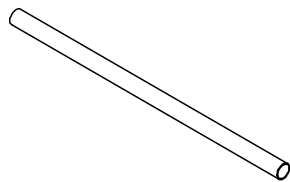
113349	0.087	<b>Washer ISO 7094 100 HV, A 16, galv.</b>
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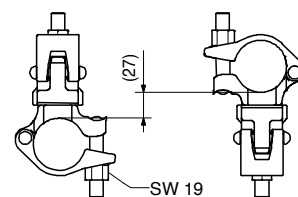
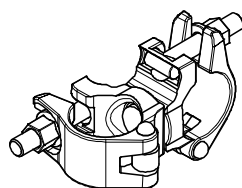
070890	0.030	<b>Nut ISO 7042 M16-8, galv.</b> Self-locking.
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		<b>Scaffold Tubes Steel</b>	<b>L</b>
026413	10.650	<b>Scaff. Tube Steel Ø 48.3 x 3.2, l = 3.0 m</b>	3000
026414	14.200	<b>Scaff. Tube Steel Ø 48.3 x 3.2, l = 4.0 m</b>	4000

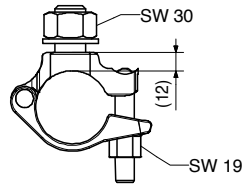
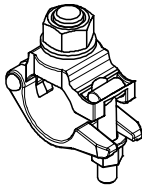


017010	1.400	<b>Swivel Coupling DK 48/48, galv.</b> For Scaffold Tubes Ø 48 mm.
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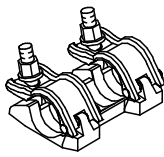
Item no.	Weight kg
017040	0.850

**Screw-On Coupler AK 48, galv.**  
For Scaffold Tubes  $\varnothing$  48 mm.



100908	1.400
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**Tension Coupler  $\varnothing$  48.3 mm, galv.**  
For tensile-proof connections of scaffold tubes  $\varnothing$  48 mm.



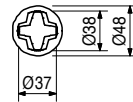
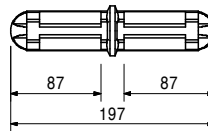
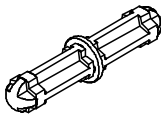
Accessories

100909	1.000
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**Tube Connector  $\varnothing$  48.3 mm, galv.**

100909	1.000
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**Tube Connector  $\varnothing$  48.3 mm, galv.**  
Shear connection of scaffold tubes  $\varnothing$  48 mm.



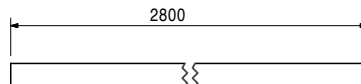
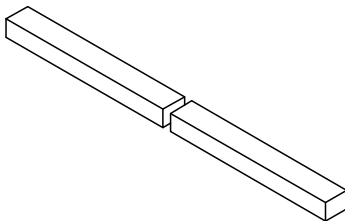
Accessories

100908	1.400
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**Tension Coupler  $\varnothing$  48.3 mm, galv.**

126537	6.450
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**Timber 80 x 60 x 2800 mm**  
As shock absorber on Material Platforms RCS-MP.



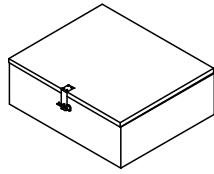
Accessories

104892	0.011
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**TSS-Torx 8 x 44, galv.**

Item no.	Weight kg
727840	14.200

**Material Box RCS-P**  
For storing of small accessories during transportation.

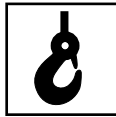


710262	0.007
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Accessories  
**Screw ISO 15482 5.5 x 45 TX 30, galv.**

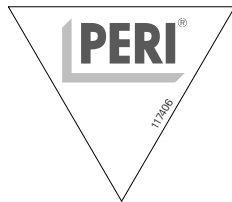
127193	0.010
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**Crane Hook Sticker**



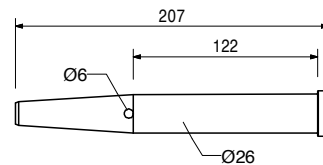
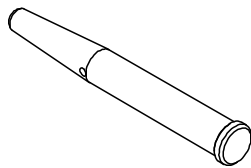
117406	0.001
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**Ash Table Sticker VD**



111567	0.729
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**Fitting Pin Ø 26 x 120**  
For different connections.



022230	0.033
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Accessories  
**Cotter Pin 5/1, galv.**

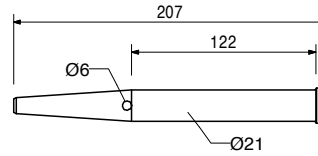
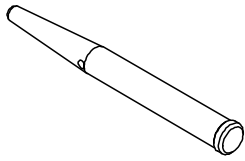
022230	0.033
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**Cotter Pin 5/1, galv.**



Item no.	Weight kg
104031	0.462

**Fitting Pin Ø 21 x 120**  
For different connections.

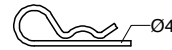


Item no.	Weight kg
018060	0.030

Accessories  
**Cotter Pin 4/1, galv.**

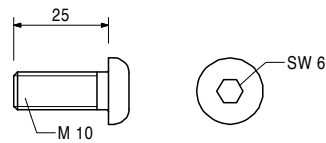
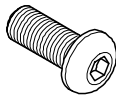
018060	0.030
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**Cotter Pin 4/1, galv.**



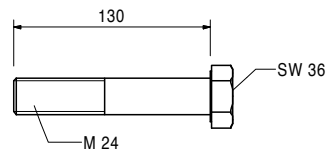
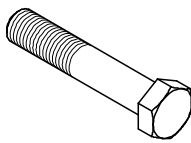
125991	0.023
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**Oval-Head Screw ISO 7380 M10 x 25-10.9, galv**



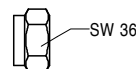
109612	0.600
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**Bolt ISO 4014 M24 x 130-8.8, galv.**



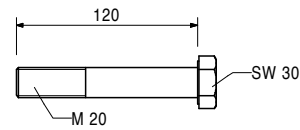
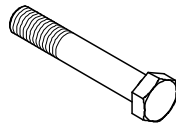
105032	0.070
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**Nut ISO 7042 M24-8, galv.**  
Self-locking.



Item no.	Weight kg
104477	0.300

**Bolt ISO 4014 M20 x 120-8,8, galv.**



781053	0.065
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Accessories  
**Nut ISO 7042 M20-8, galv.**

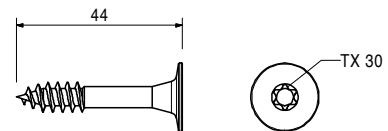
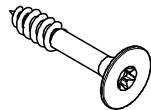
781053	0.065
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**Nut ISO 7042 M20-8, galv.**  
Self-locking.



104892	0.011
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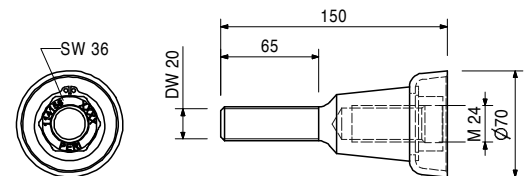
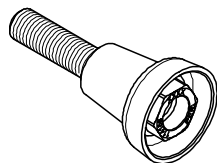
**TSS-Torx 8 x 44, galv.**  
For Torx Blade TX 30. Self-drilling.



114158	1.030
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**Screw-On Cone-2 M24/DW 20, galv.**  
Anchor system M24.  
For anchoring climbing systems.

**Note**  
Separate design information on request.



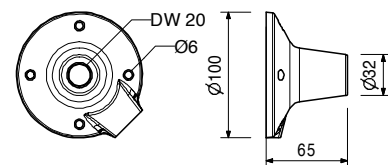
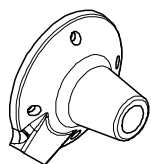
030860	0.792
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Accessories  
**Threaded Anchor Plate DW 20**

030860	0.792
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**Threaded Anchor Plate DW 20**  
For use with Tie Rod DW 20, B 20 or Screw-On Cone-2 M24/DW 20. For anchoring in concrete.

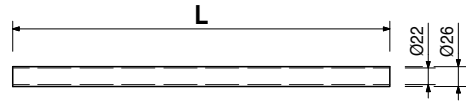
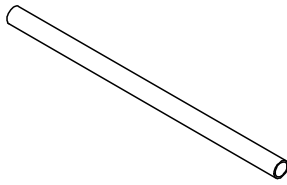
**Note**  
Lost anchor part.



Item no. Weight kg

065027 0.359

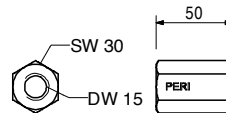
**Spacer Tube rough DR 22, l = 2.00 m**  
Plastic Spacer Tube for DW 15, B 15.



030070 0.222

**Hex. Nut DW 15 SW 30/50, galv.**  
For anchoring with Tie Rod DW 15 and B 15.

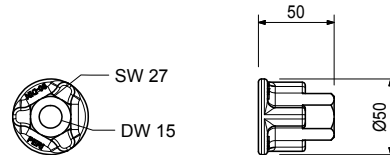
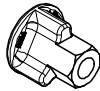
**Technical Data**  
Permissible load 90 kN.



030130 0.318

**Cam Nut DW 15, galv.**  
For anchoring with Tie Rod DW 15 and B 15.

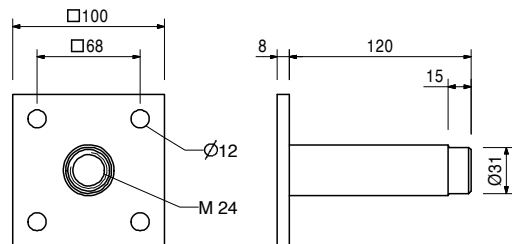
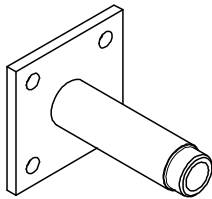
**Technical Data**  
Permissible load 90 kN.



026230 1.010

**Anchor Sleeve M24**  
To anchor platform systems.

**Note**  
Separate design information on request.



Accessories

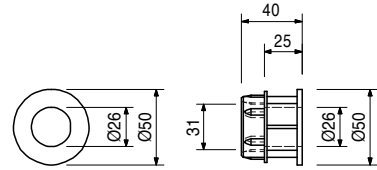
- |        |       |  |
|--------|-------|--|
| 026240 | 0.026 | <b>Cone PP Ø 31/26, c = 25</b>                 |
| 026250 | 0.005 | <b>Plug Ø 26 mm</b>                            |
| 116233 | 0.116 | <b>Cone FRC Ø 32/52, c = 40</b>                |
| 026420 | 0.123 | <b>Anchor Positioning Stud M24, galv.</b>      |
| 116234 | 0.033 | <b>Plug FRC D = 32</b>                         |
| 115150 | 0.200 | <b>Anchor Positioning Stud M24 x 65, galv.</b> |
| 123800 | 0.045 | <b>Metric Threaded Cone M24</b>                |



Item no.	Weight kg
026240	0.026

**Cone PP Ø 31/26, c = 25**

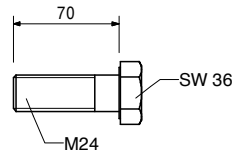
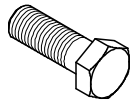
Resulting in a concrete cover of 25 mm in combination with Anchor Sleeve M24. Made of polypropylene.



026430	0.334
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**Bolt ISO 4014 M24 x 70-10.9, glav.**

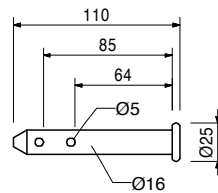
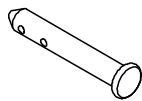
High-strength bolt for anchoring climbing systems.



018050	0.171
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**Pin Ø 16 x 65/86, galv.**

For different connections.



018060	0.030
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Accessories

**Cotter Pin 4/1, galv.**

110022	0.491
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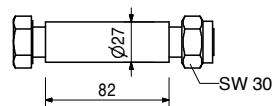
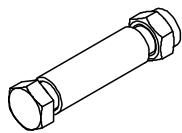
**Spacer M20-82**

Spacer for Climbing Rails RCS.

**Complete with**

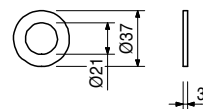
1 pc. 104477 Bolt ISO 4014 M20 x 120-8.8, galv.

1 pc. 130341 Nut ISO 7042 M20-8, galv.

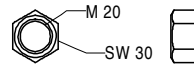


706454	0.017
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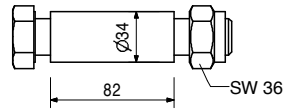
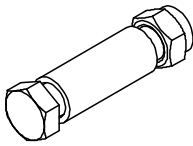
**Washer ISO 7089 200 HV, A 20, galv.**



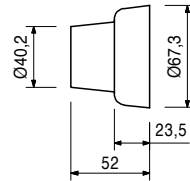
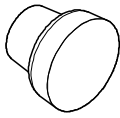
Item no.	Weight kg	
710334	0.064	<b>Nut ISO 4032 M20-8, galv.</b>



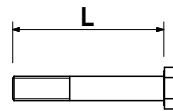
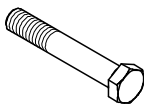
110023	0.910	<b>Spacer M24-82</b> Spacer for Climbing Rails RCS.	<b>Complete with</b> 1 pc. 109612 Bolt ISO 4014 M24 x 130-8.8, galv. 1 pc. 130342 Nut ISO 7042 M24-8, galv.
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031652	0.247	<b>KK Concrete Cone M24-67/52</b> For closing anchor points with Climbing Cone-2, M24/DW 15 and Screw-On Cone-2 M24/DW 20.	<b>Note</b> Delivery unit 50 pieces.
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113127	5.400	Accessories <b>Glue for Concrete Cones-3, 5.4-kg-Set</b>	
711078	0.360	<b>Bolt ISO 4014 M20 x 130-8.8, galv.</b>	





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