

# **Climbing Systems CB 240 and CB 160**

Safe working conditions with  
wall formwork at all heights



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**Important Notes**

Without exception, all current safety regulations and guidelines must be observed in those countries where our products are used.

The photos shown in this brochure feature construction sites in progress. For this reason, safety and anchor details in particular cannot always be considered as conclusive or final. These are subject to the risk assessment carried out by the contractor.

The systems or items shown are not necessarily available in all countries.

Safety instructions and load specifications are to be strictly observed at all times. Separate structural calculations are required for any deviations from the standard design data.

The information contained herein is subject to technical changes in the interests of progress. Errors and typographical mistakes reserved.

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# Climbing System CB

## Safety at all heights

**CB climbing scaffold systems provide high levels of safety in all areas of application.**

With the CB 240, the formwork is mounted on a carriage with roller bearings and can be moved by approx. 75 cm. This results in sufficient space being created for cleaning the formlining as well as for reinforcement work. The 2.40 m wide platform planking is flush with the Carriage CB and free of any tripping hazards.

With the CB 160, the formwork is simply tipped backwards for striking. With both systems, the formwork is moved to the next pour together with the scaffold in one crane lift.



Photo on the right  
**Bridge pier**  
Architectural concrete  
with CB 240 and  
VARIO GT 24.

**Cultural Buildings**  
High-quality architectural  
concrete with CB 240  
brackets and VARIO GT 24.

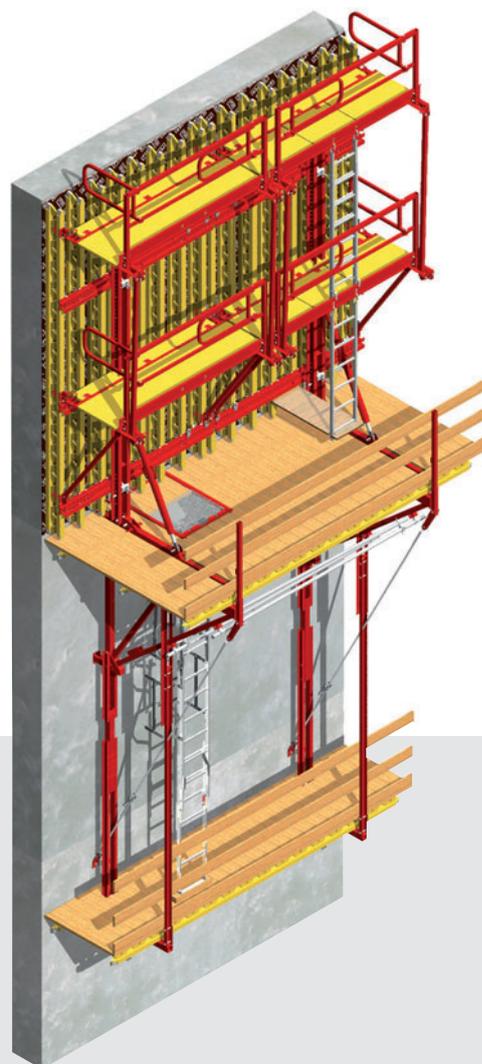


**Apartments**  
CB 240 and CB 160 scaffold  
brackets with VARIO GT 24.



# Climbing System CB

## For all heights and every ground plan



**Hotel construction**  
CB 240 scaffold brackets  
complete with finishing  
platform and TRIO.

**CB 240**  
Safe working areas and access  
with system components on  
the formwork and CB climbing  
scaffold.

**30-storey apartment  
building**  
CB 240 and CB 160 scaffold  
brackets with VARIO GT 24.



**LNG liquid gas tanks**  
Circular walls Ø 77.50 m with  
CB 240 and VARIO GT 24.

**Bridge pier**  
Architectural concrete with  
CB 240 and VARIO GT 24.



**Administration building**  
CB 240 with TRIO and  
VARIO GT 24.



**Safety**  
PERI ladder for safe access  
to the finishing platform.

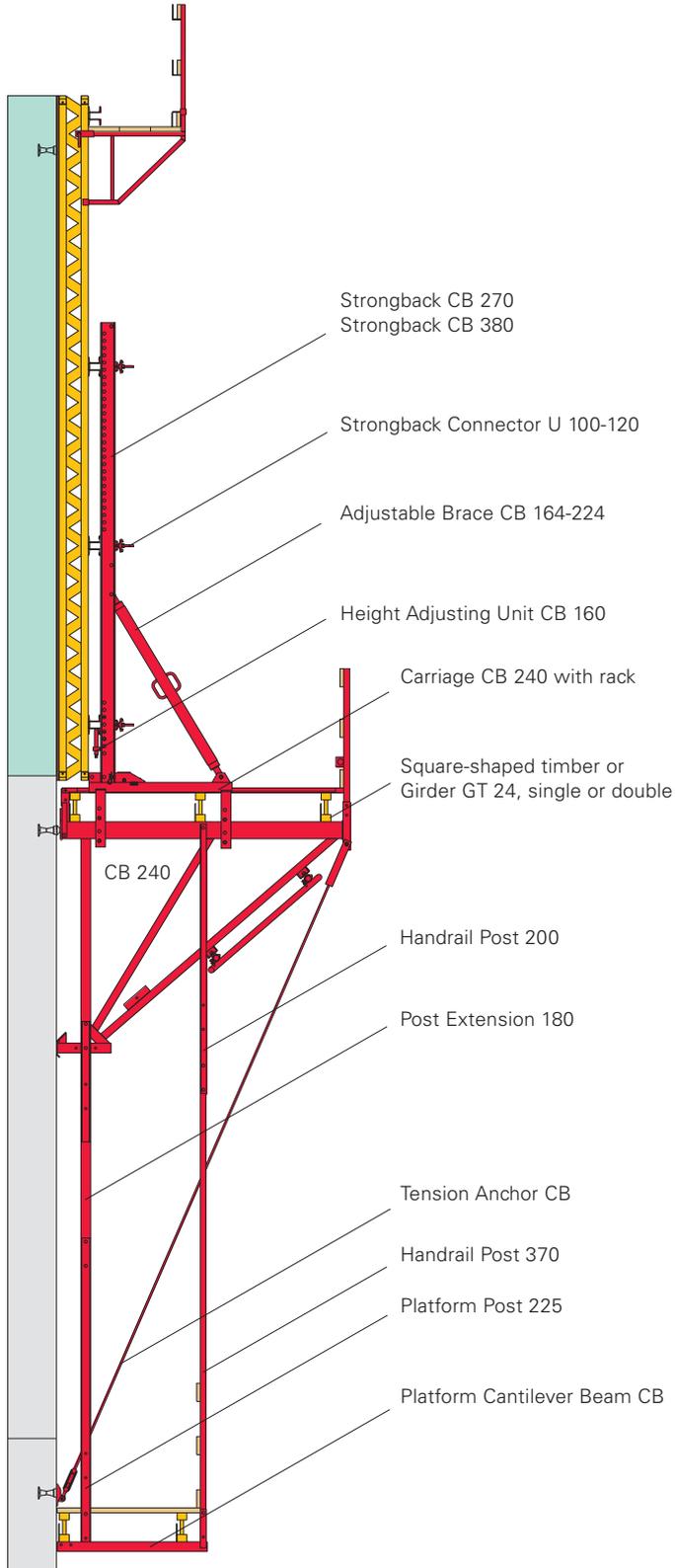


# Climbing System CB

With VARIO GT 24, MAXIMO, TRIO or RUNDFLEX

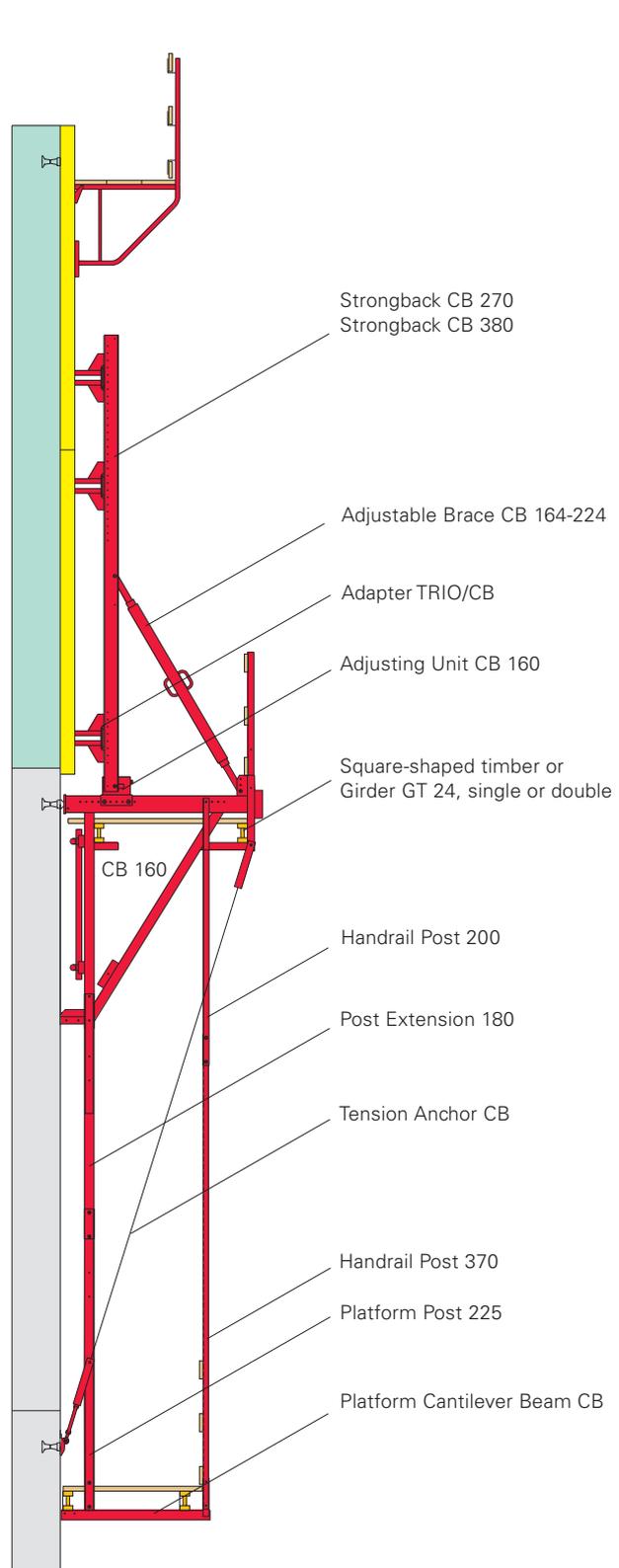
## CB 240 with VARIO GT 24

Concreting height 3.60 – 5.40 m



## CB 160 with MAXIMO or TRIO

Concreting height 3.60 – 5.40 m





**Administration building**  
 CB 240 with finishing platform and TRIO.

**Airport control tower**  
 46 m high, external Ø 6.85 m.  
 With PERI RUNDFLEX and  
 CB 240 brackets.

# Climbing System CB

## Construction-compliant load assumptions, simple formwork adjustment

### Construction-compliant load assumptions

The high loading capacity of the CB climbing system allows wide spans resulting in large scaffold units with high load assumptions.

On the PERI CB 240, for example, reinforcing bars can therefore be stored when the formwork is retracted.

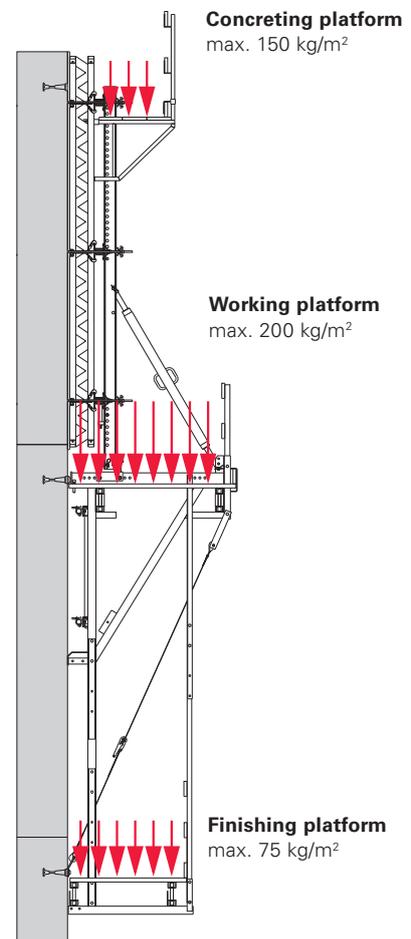
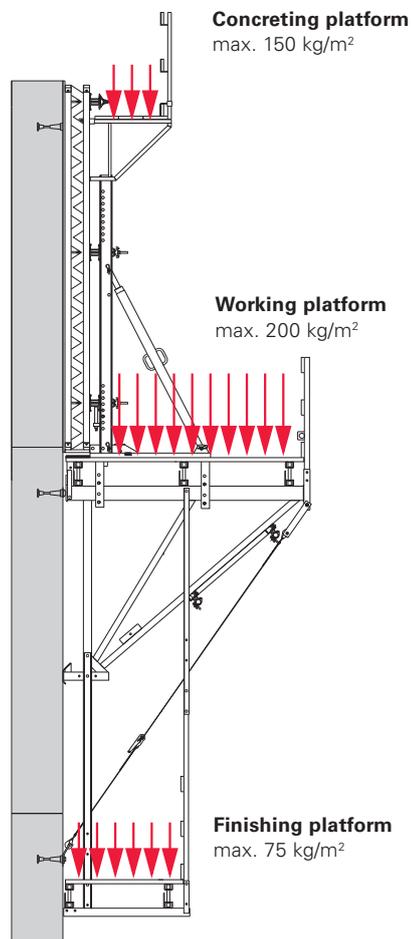
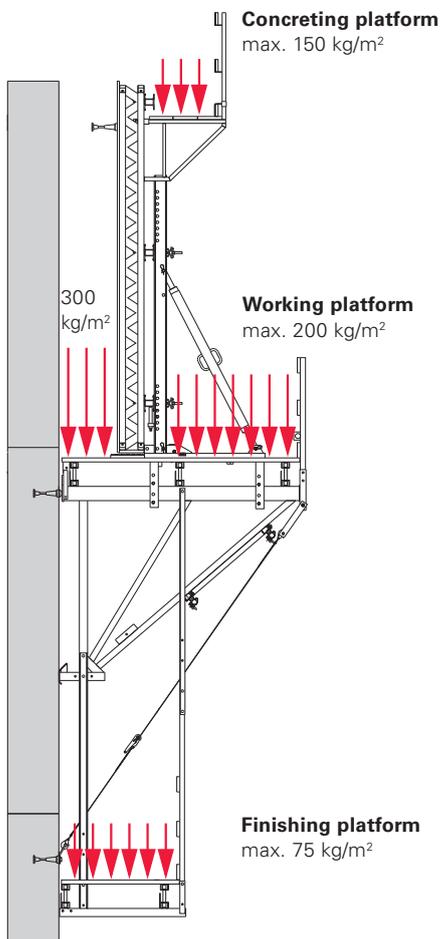


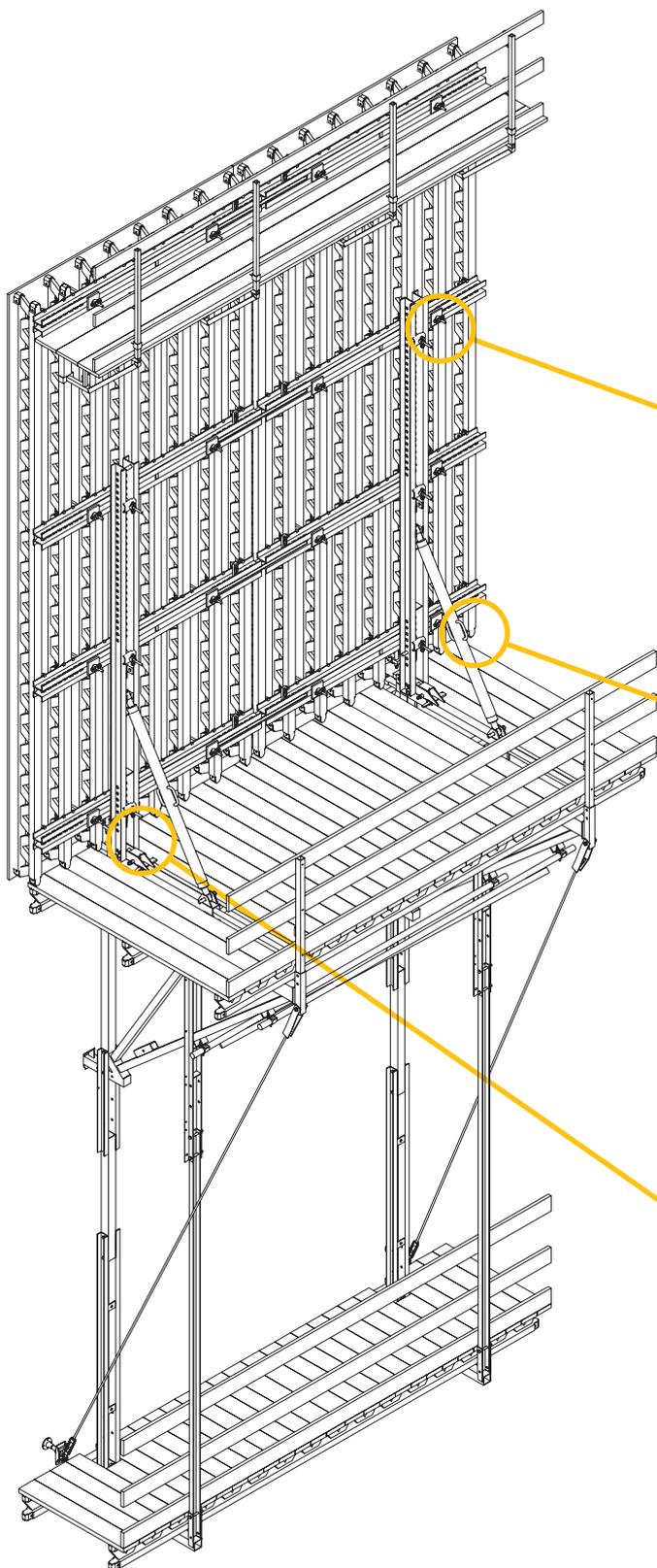
#### CB 240

Formwork carriage in working position

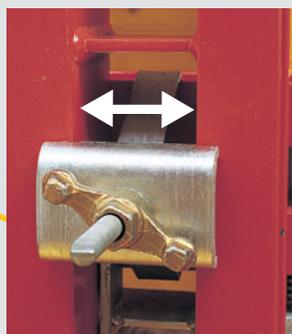
Formwork carriage in concreting position

#### CB 160





**Simple adjustment of the formwork elements for neat and tidy concrete joints**



**Move element sideways**  
By releasing the Strongback Connector U 100-120.



**Precise adjustment of the angle of inclination**  
With Adjustable Brace CB 164-224.

**Element height adjustment**  
For VARIO GT 24.  
With Height Adjusting Unit CB.



For MAXIMO and TRIO.  
With Adapter TRIO-CB.



# Climbing System CB

## Wind loads, large VARIO standard elements

### Wind loads

CB 240 and CB 160 design charts are available on request from PERI.

#### The PERI CB 240 provides wind safety at any position which means:

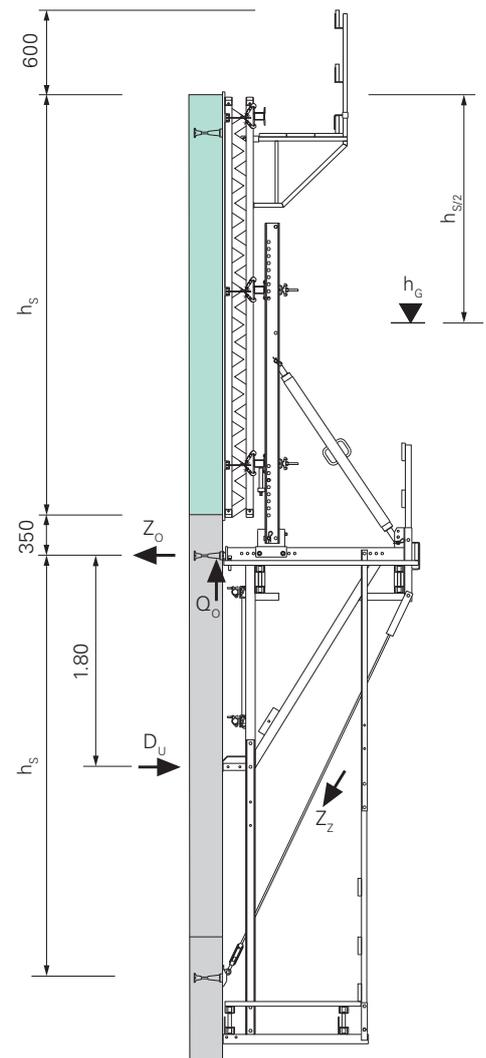
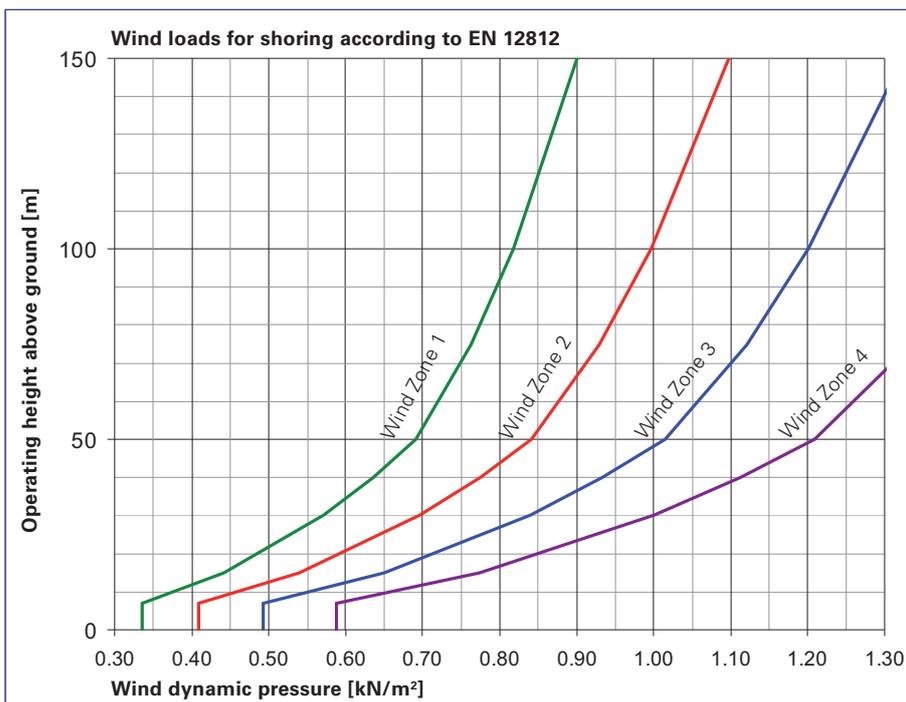
Locking the formwork on the carriage takes place quickly and securely by means of a wedge. Complete safety against the wind immediately after mounting the tie rod.



CB 240 with VARIO GT 24 for construction of bridge piers.

Wind forces increase accordingly with the height. The DIN 1055, which forms the basis for the design, determines the wind loads according to wind zones, ground profiles and operating heights.

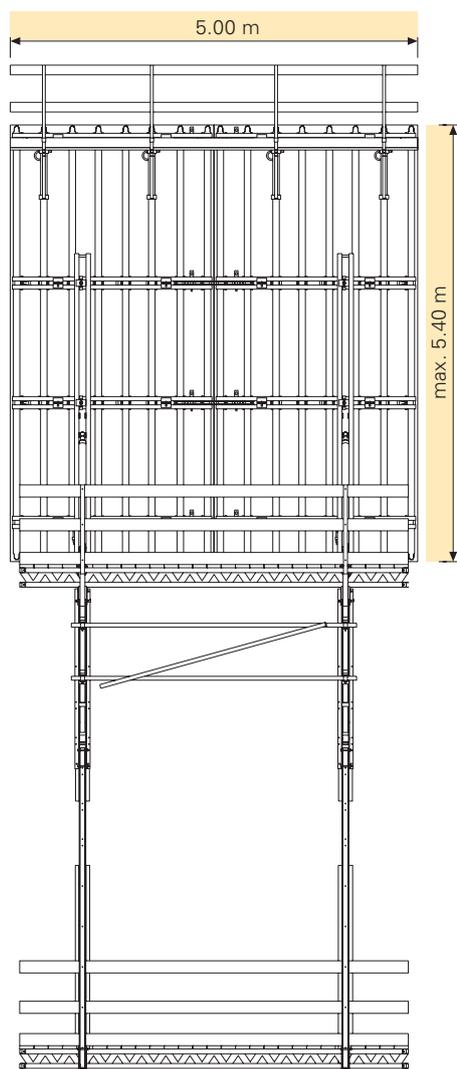
Wind dynamic pressure for transition zone inland and with load reduction factor\* for period of application < 24 months.  
\*K = 0,7



## Large VARIO standard elements

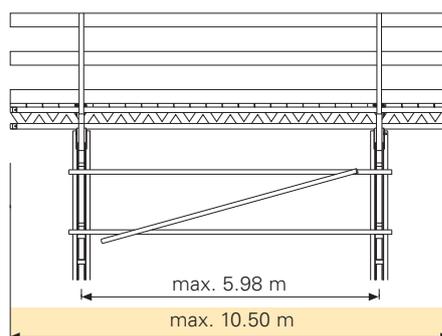
The strong CB 240 and CB 160 scaffold brackets allow the application of large VARIO standard elements.

5.40 m x 5.00 m = 27 m<sup>2</sup> formwork surface area is possible on only 2 scaffold brackets also with wind speeds of more than 120 km/h with standard arrangement of the brackets.



**Extremely long platforms are also no problem with the CB 240 and CB 160.**

Instead of timbers, GT 24 girders with high load capacity can be used as platform main beams. With a double GT 24 girder arrangement, platform lengths of up to maximum 10.50 m are possible.



CB 240 with finishing platform and VARIO GT 24 for construction of LNG gas tanks.

# Climbing System CB

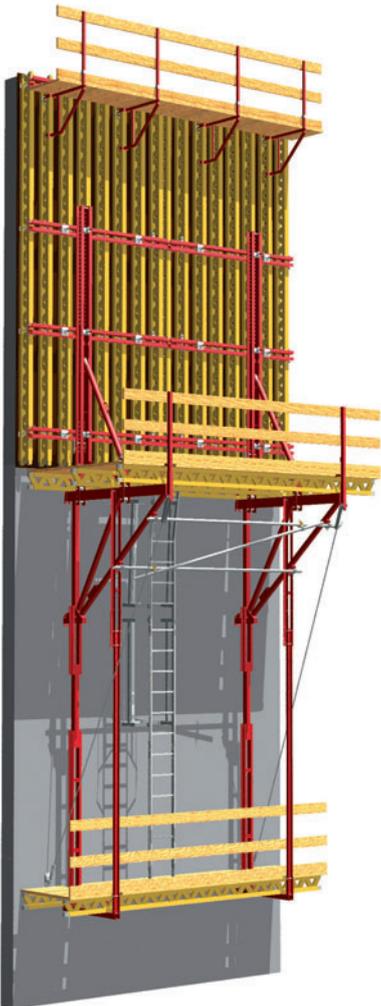
## Even platform planking, Formwork Carriage CB 240

### Even platform planking

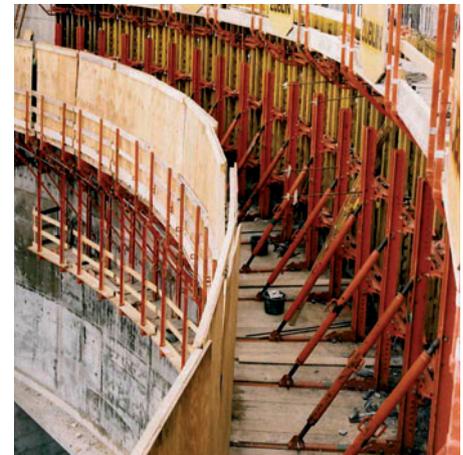
The 2.40 m wide planking has no tripping hazards and allows easy and safe movement on the working platform – in front of and behind the formwork.

With the PERI CB 240, the planking is positioned above the brackets. All possible tripping hazards are below the working platform.

The working platform can be transported pre-assembled thus saving space and connected with the CB 240 brackets on the construction site.



Safe working conditions on the CB 240 in protection of the formwork element.



Closed platform decking for safe working.



Safe and secure movement on the CB 240 working platform.

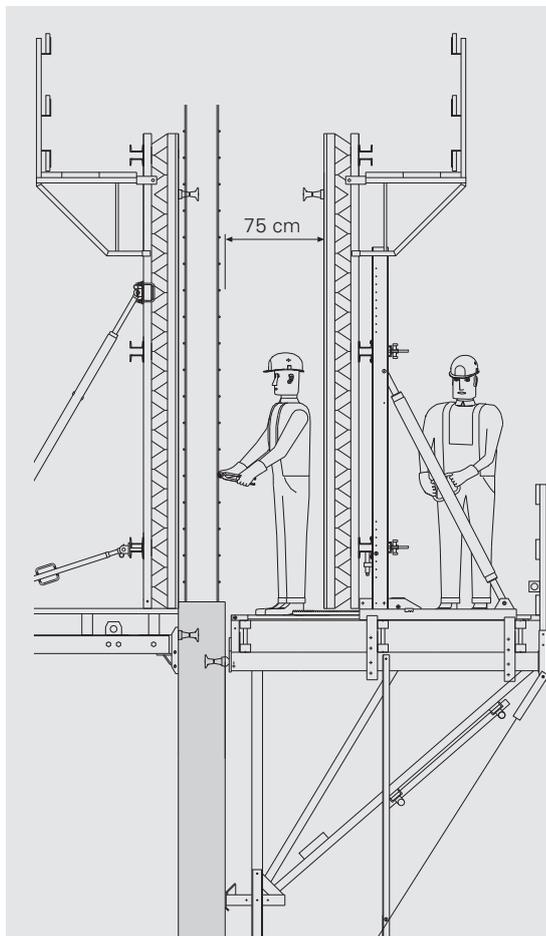
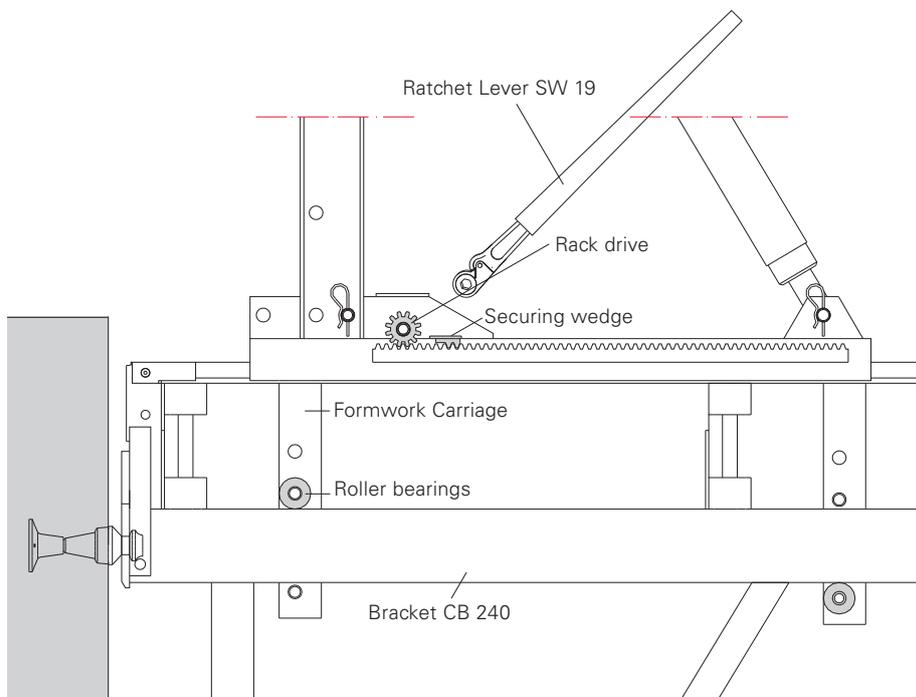
## Carriage CB 240

### With roller bearings for easy shuttering and striking.

This means that large formwork elements can also be easily moved forwards and backwards.

### 75 cm working area when the formwork is retracted

This creates sufficient space for cleaning the formlining as well as installing the reinforcement.



With the captive wedge, the carriage can be fixed in any moving position.



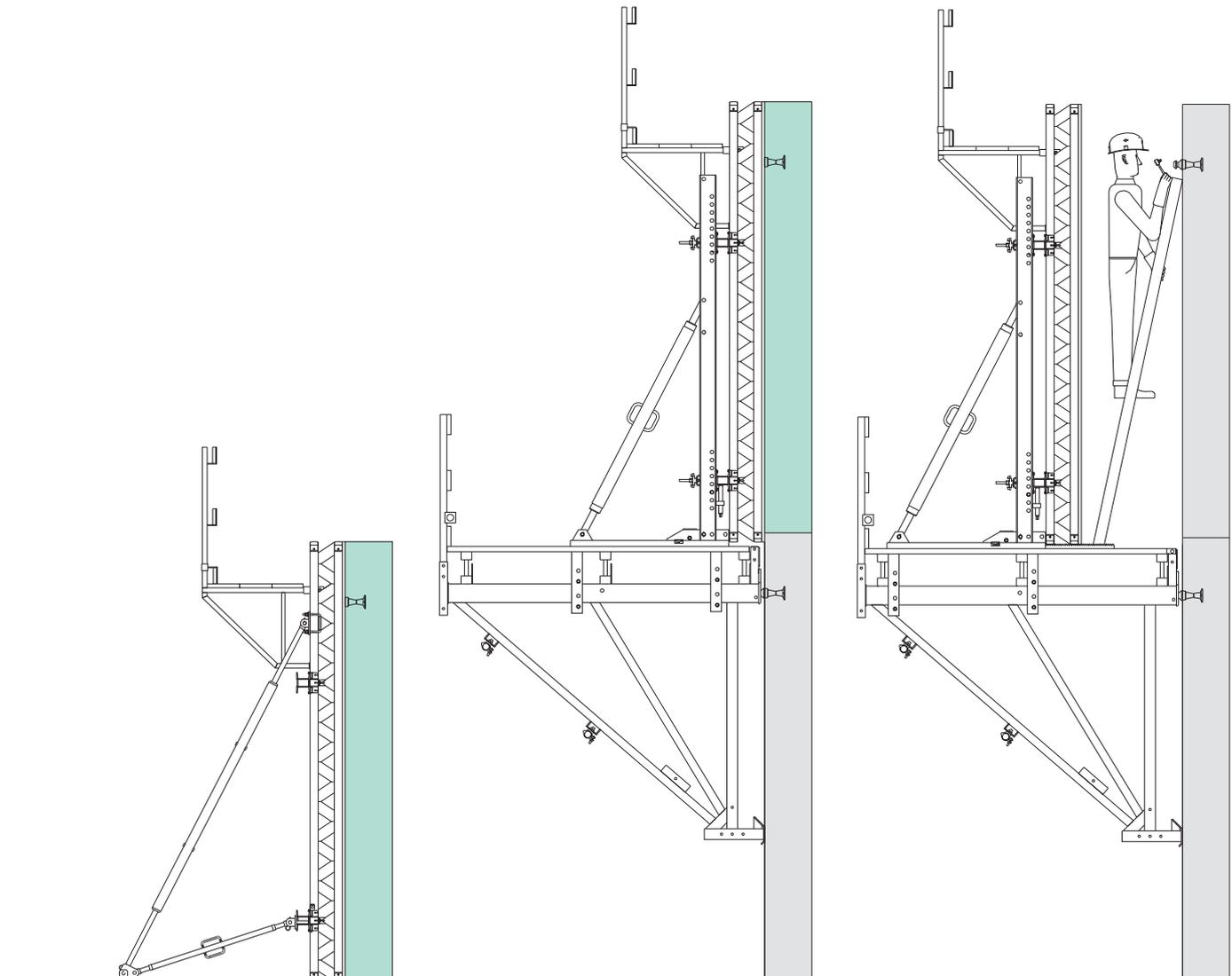
The Carriage CB 240 is moved using the Ratchet Lever SW 19, Item no. 027180.



# Climbing System CB

## CB 240 climbing cycle sequence

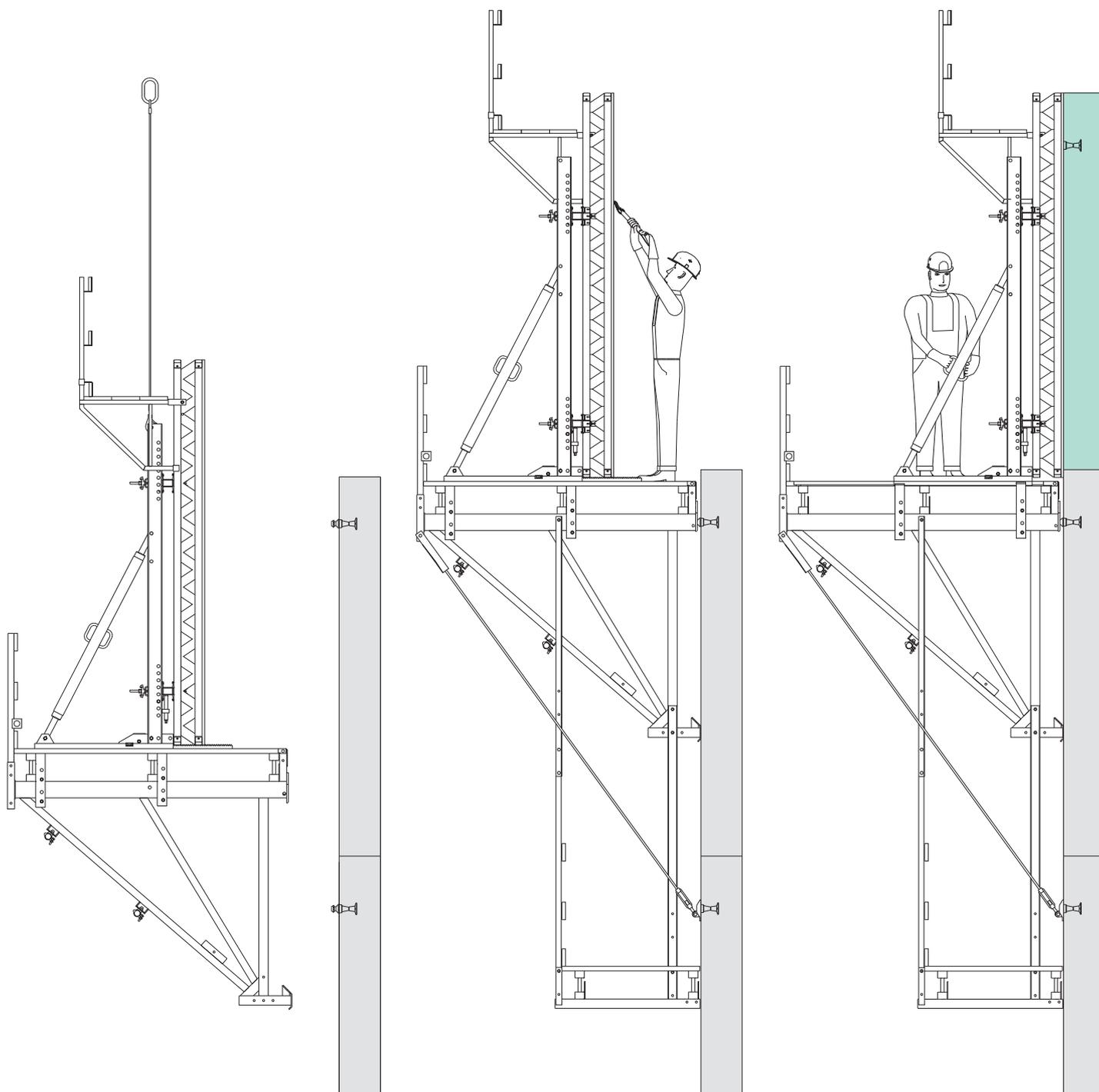
1. The first wall section is concreted.  
Install the leading anchor according to specifications.
2. After reaching the required concrete strength, mount the Scaffold Mounting Ring M24 and then attach the pre-assembled scaffold unit. Install the formwork and concrete the second section.
3. Retract the formwork and then mount the Scaffold Mounting Ring M24.



4. Lift the complete unit to the next section by means of the crane.  
If required, the finishing platform can be fitted.

5. Reinforcement work is now carried out and, if required, the formwork is placed at an angle.

6. Move the formwork forwards and concrete. At this point cycles continue as in Point 3.



# Climbing System CB

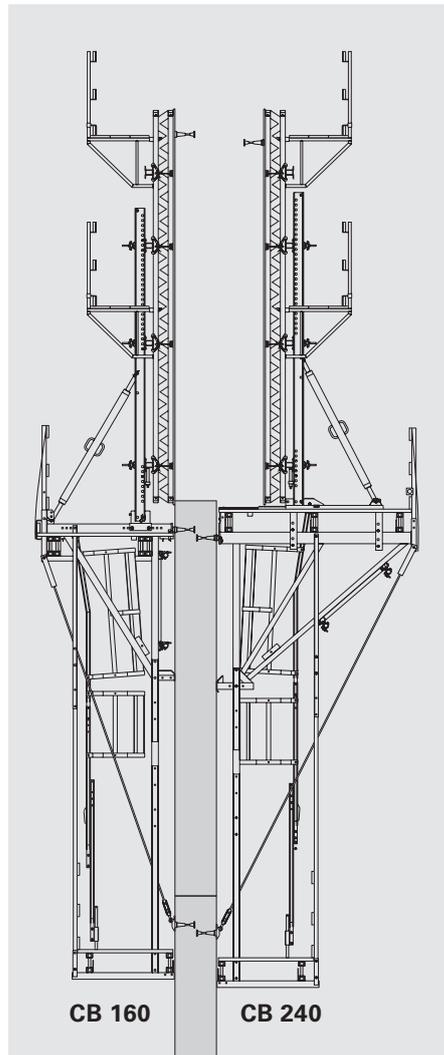
## Application and moving procedure of CB 160

### Application CB 160

The formwork is simply tilted backwards when striking. With a platform width of 1.60 m, a sufficient working area is available.

With the Adjusting Unit CB 160 the formwork is pushed tight to the previous concrete section.

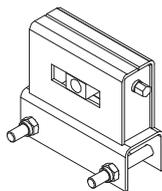
### CB 160 combined with CB 240



Safe working conditions also on the CB 160 climbing system. An integrated ladder allows safe and secure access to the finishing platform.

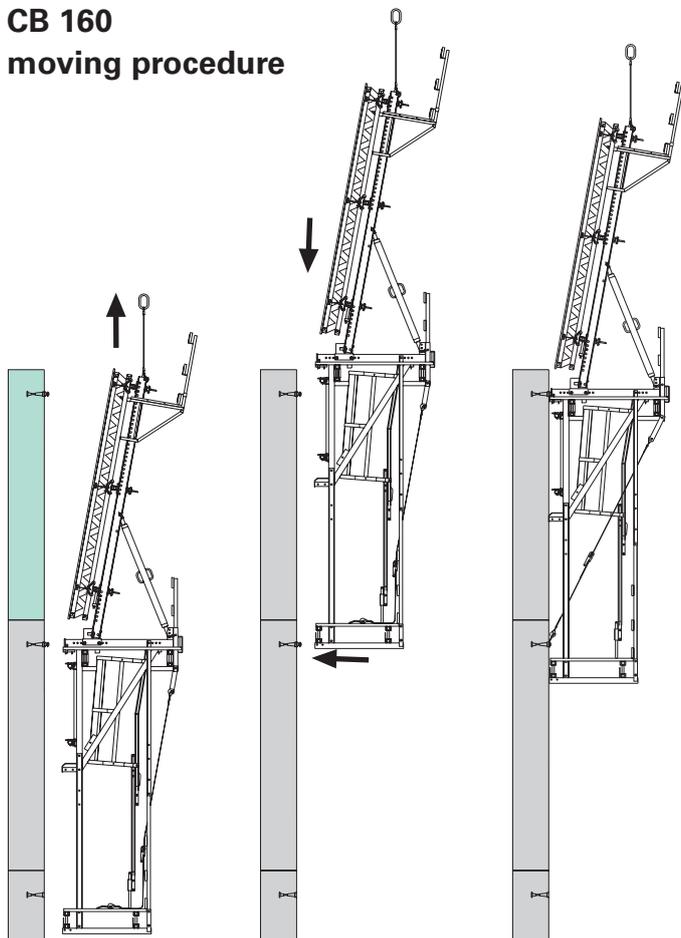
**Adjusting Unit CB 160**  
Item no. 051130

**Ratchet Lever SW 19**  
Item no. 027180



Combining CB 160 and CB 240 is the cost-effective solution for high walls.

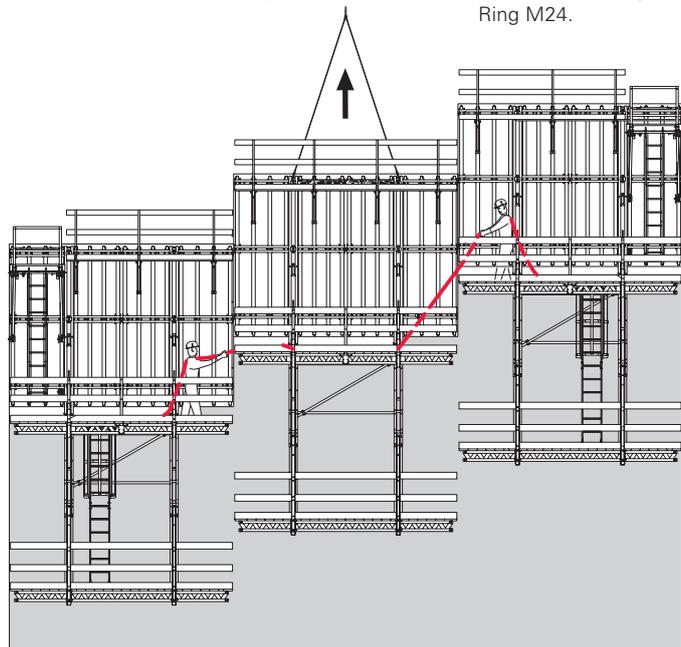
**CB 160  
moving procedure**



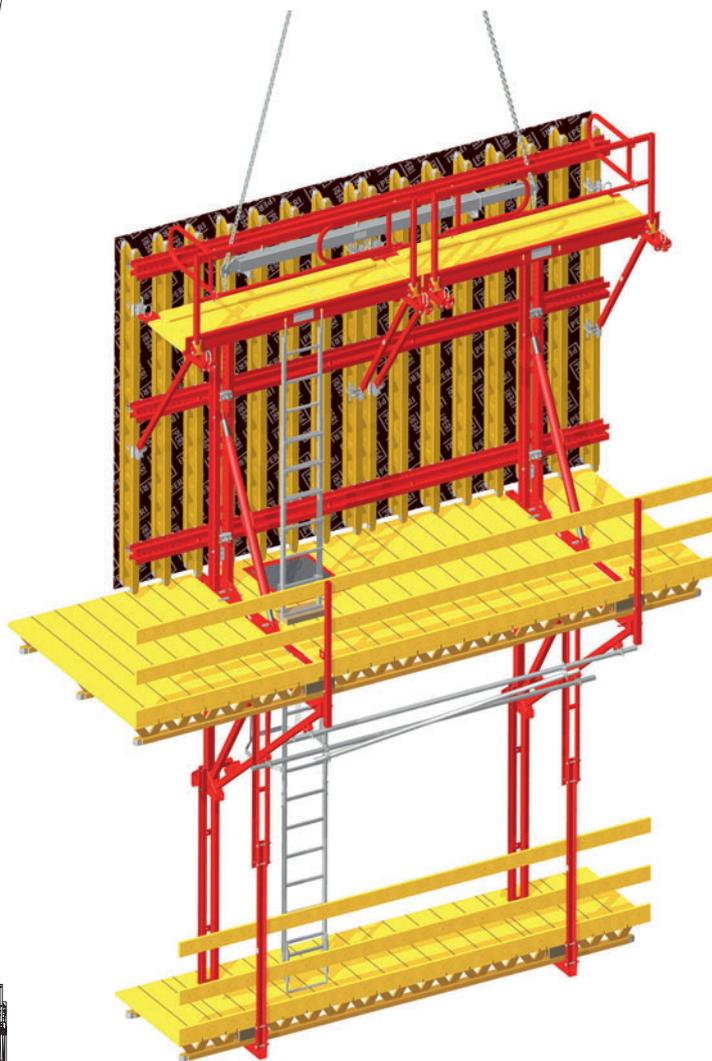
1. Lift the unit with the crane.

2. Lift and then place in position.

3. Attach unit on the Scaffold Mounting Ring M24.



**Moving procedure with  
Climbing Traverse RCS**



The PERI Climbing Traverse RCS 10 t, Item no. 112986, is used when moving larger or non-symmetrical units.

**Use a guide rope to ensure that the moving procedure is fully under control.**

# Climbing System CB

## Certified scaffold anchorage

With climbing systems, safety is significantly determined by the quality of the anchoring system used. Therefore, the PERI anchoring systems have been officially approved.



PERI anchoring systems have been officially approved.

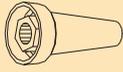
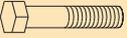
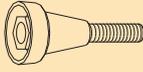
The PERI Climbing Anchor M24/DW 15 and M24/DW 20 are efficient in their use as well as guaranteeing safe handling.

### Version 1

Standard anchoring with variable anchoring depth.  
With PERI Climbing Cone-2 M24/DW 15 Building Authority Approval No. Z-21.6-1767.

### Version 2

Anchoring for thin walls and limited anchor forces.  
With PERI Screw-On Cone-2 M24/DW 20 Building Authority Approval No. Z-21.6-1766.

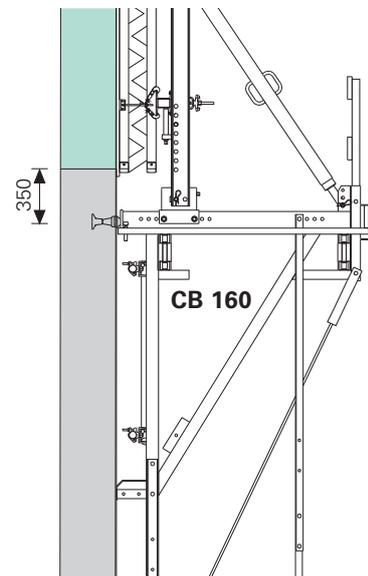
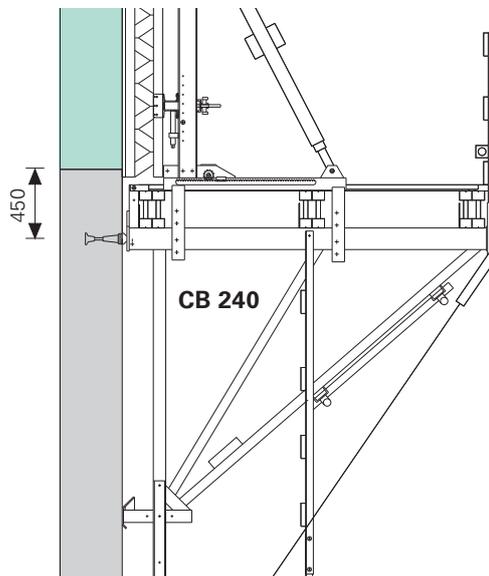
System	Reusable components			Lost components	
<b>M24/DW 15</b>	 M24x120-10.9 Item no. 029560	 Scaffold Mounting Ring M24 Item no. 029470	 Climbing Cone-2 M24/DW 15 Item no. 031220	 Tie Rod DW 15 Item no. 030030	 Threaded Anchor Plate 15 Item no. 030840
<b>M24/DW 20</b>	 M24x120-10.9 Item no. 029560	 Scaffold Mounting Ring M24 Item no. 029470	 Screw-On Cone-2 M24/DW 20 Item no. 030960		 Threaded Anchor Plate 20 Item no. 030860

### Version 1, shown with CB 240

With PERI Climbing Cone-2 M24/DW 15 and Threaded Anchor Plate 15.

### Version 2, shown with CB 160

With PERI Screw-On Cone-2 M24/DW 20 and Threaded Anchor Plate 20.



## Mounting of leading anchor Advancing Bolt M24

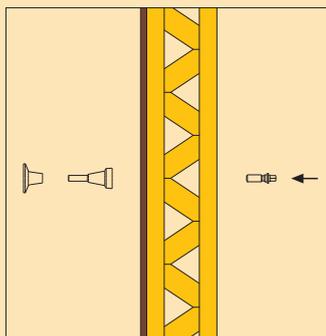
### Plywood is drilled through.

E.g. with Wall Formwork VARIO GT 24.



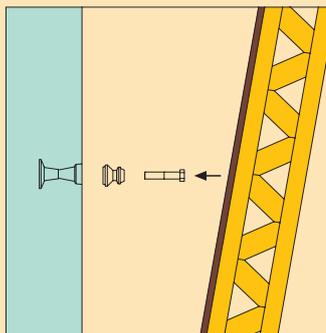
#### 1. Leading anchor during striking

Position leading anchor drill through plywood  $\varnothing$  25 mm. Screw climbing anchor and Advancing Bolt tightly together.



#### 2. Attach scaffold suspension

Remove Advancing Bolt M24. Retract formwork. Attach Scaffold Mounting Ring M24 with Hex. Bolt M24 x 120.



## Anchor Positioning M24

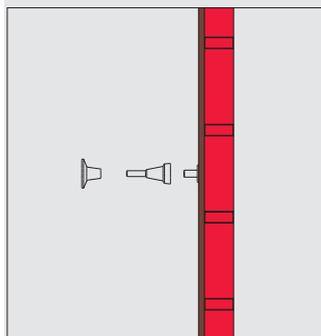
### Plywood is not drilled through.

E.g. with panel formwork MAXIMO, TRIO.



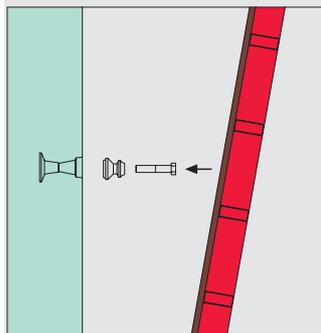
#### 1. Leading anchor during striking

Position Anchor Positioning M24 and fix by nailing into the plywood. Turn Climbing Anchor on the Anchor positioning. Secure the Threaded Anchor Plate by means of tie wire to the reinforcement.



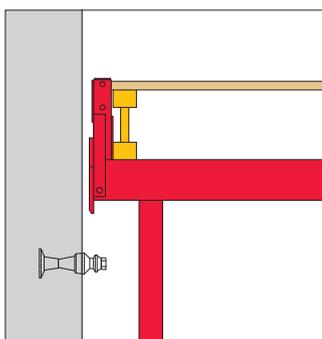
#### 2. Attach scaffold suspension

Release the formwork from the concrete and retract (the nails are pulled through the plywood). Dismantle Anchor Positioning M24 using a pin wrench SW 14. Mount Scaffold Mounting Ring M24 using a Hex. Bolt M24 x 120.



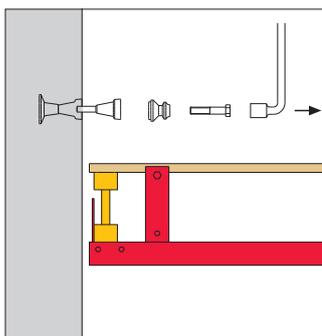
#### 3. Mount scaffold brackets

Mount Scaffold Brackets CB 240 or CB 160 and immediately secure by means of safety pins.



#### 4. Reusable anchor components

Screw out the Hex. Bolt M24 x 120 and cone from the finishing platform using the socket wrench SW 36.



#### 5. Close anchor points

The remaining anchor hole is closed by means of the Concrete Cone KK. This results in an optically-pleasing concrete surface.

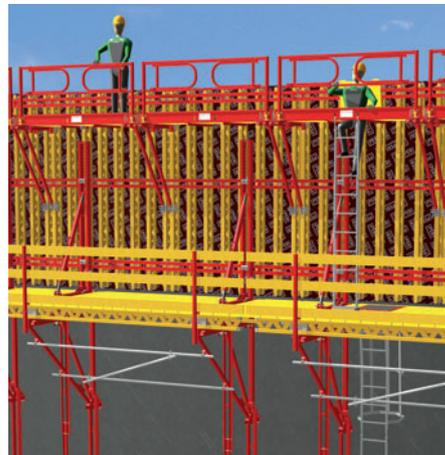


# Climbing System CB

## High level of working safety with system components

The system components for the CB 240 and CB 160 climbing systems provide a very high degree of safety.

Integrated ladders with hinged hatches and ladder cages ensure safe access to the finishing and concreting platforms. Handrail post for fixing the end and side handrails.



Using VARIO platforms, the CB 240 climbing system ensures safe access to the concreting level.

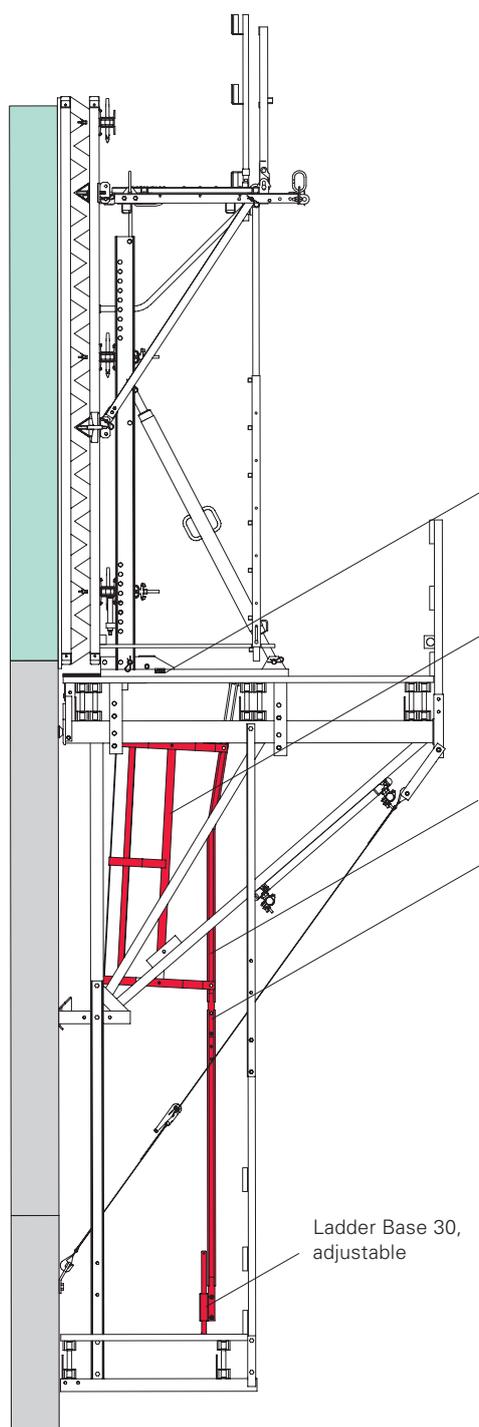


Accessing the two finishing platforms is carried out with CB 240 and CB 160 system components.

Easy access to the finishing platform with the PERI ladder.

**Access Ladder**

Safe and secure access to the CB 240 and CB 160 finishing platform at all heights.



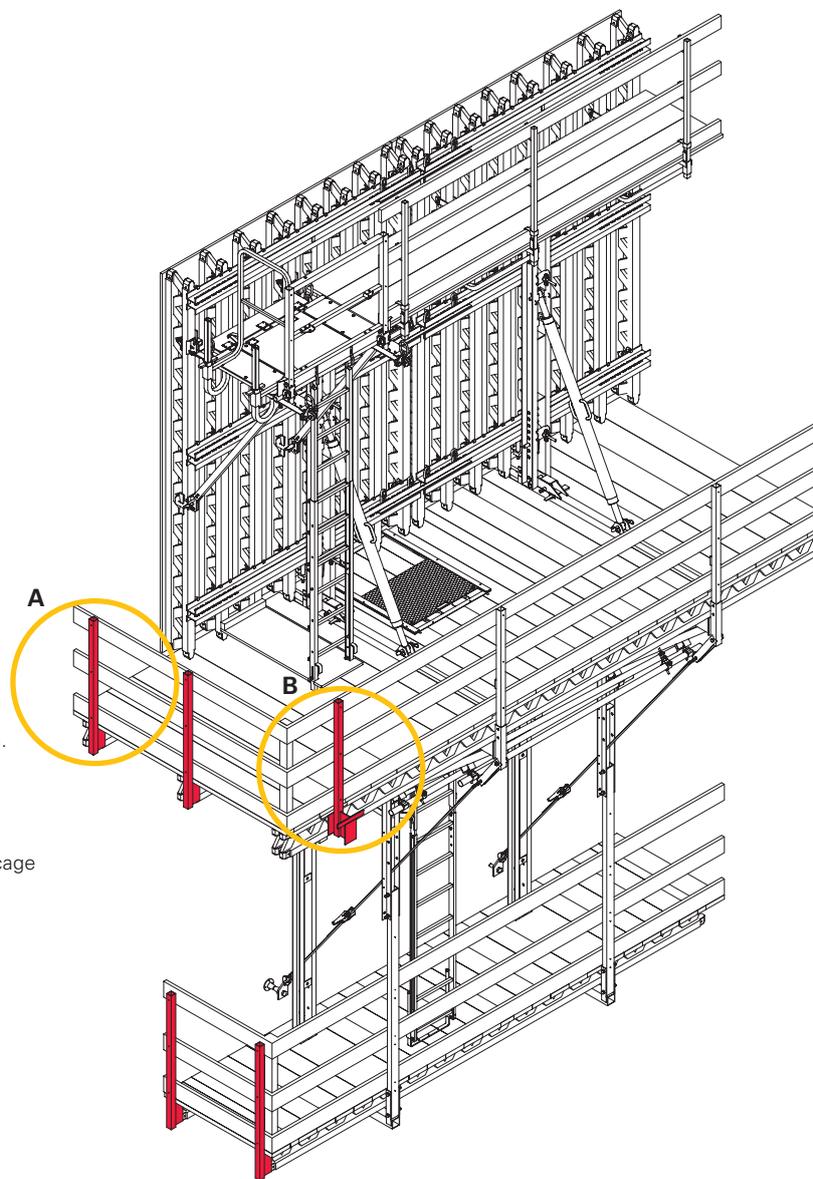
Sliding or hinged hatches.

Ladder safety cage

Ladder 220/6

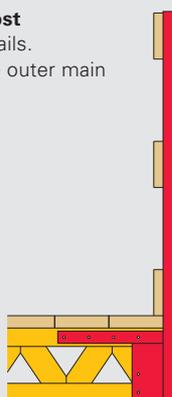
Ladder 180/6

Ladder Base 30, adjustable



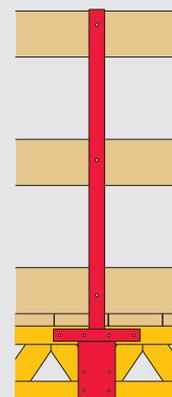
**A) Side handrail post**

For fixing end handrails. It is mounted on the outer main beam at the end.



**B) End handrail post**

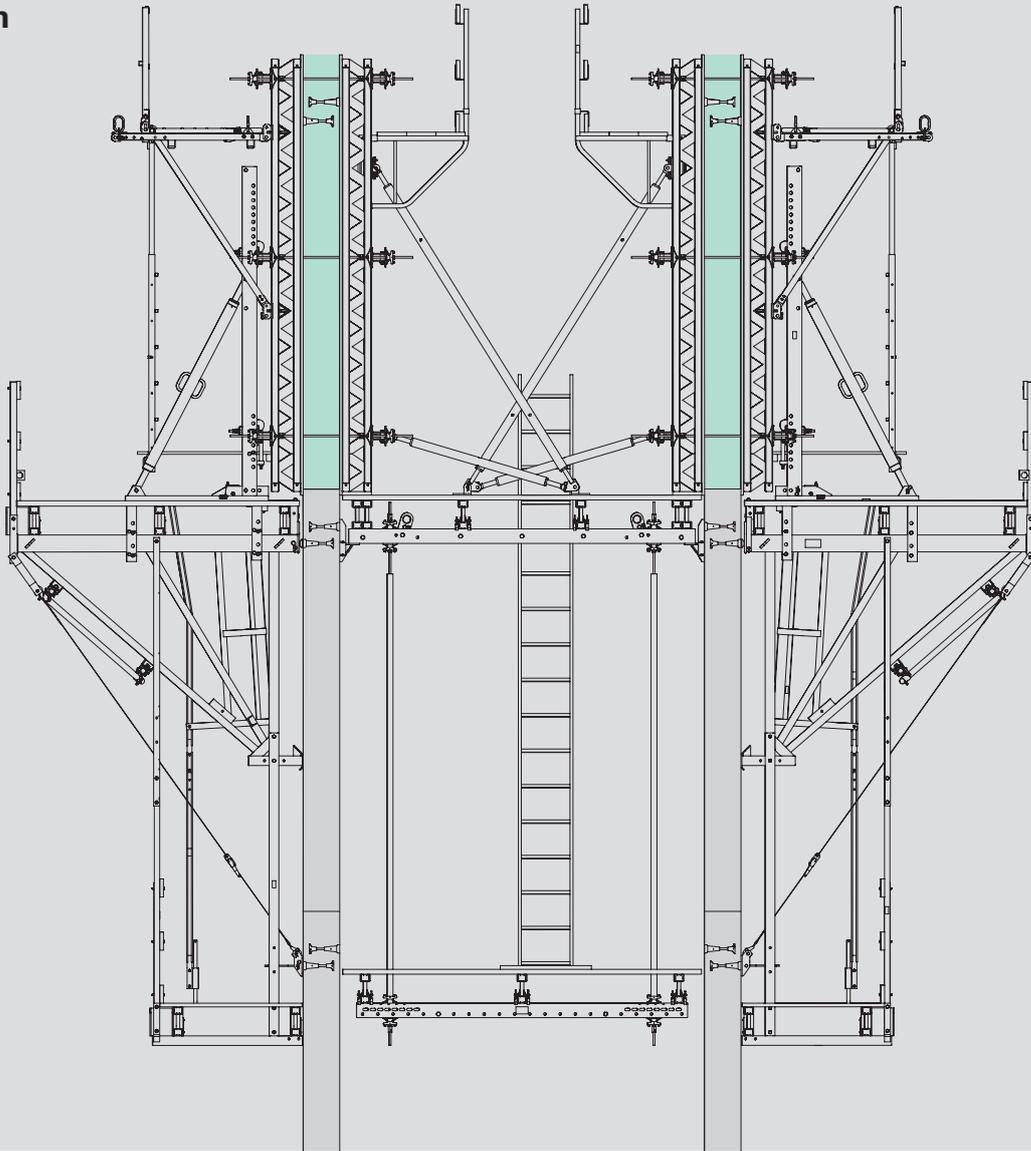
With larger cantivers, it is attached to the outer main beam.



# BR shaft platforms

## Safe support for inside shaft formwork

### Application



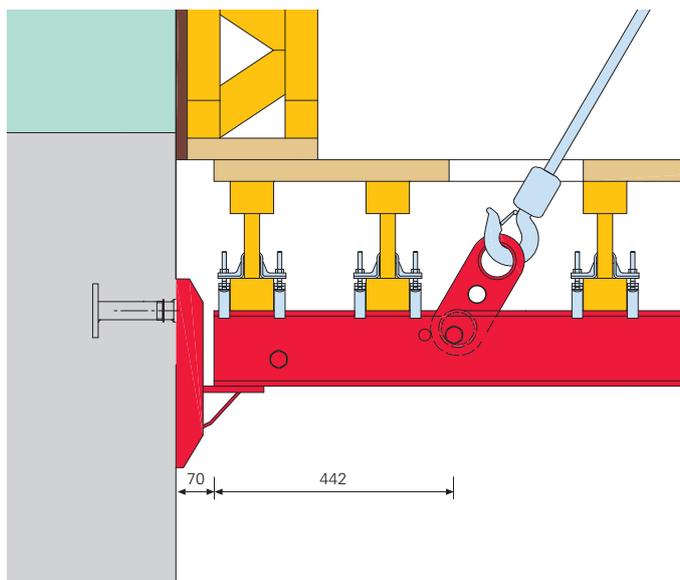
The BR shaft platform serves as support for inside shaft formwork panels. It consists of Platform Beams BR exactly tailored to the size of the particular shaft. The planking is supported by Girders GT 24 or timbers attached by hook straps to the Platform Beam.

The support of the shaft platform is provided by Folding Brackets 25 bolted to embed climbing anchors e.g. Anchor Sleeve M24.

Alternatively Gravity Pivot Plates are attached to the Platform Beam, engaging into reusable cast-in Bearing Boxes BR.

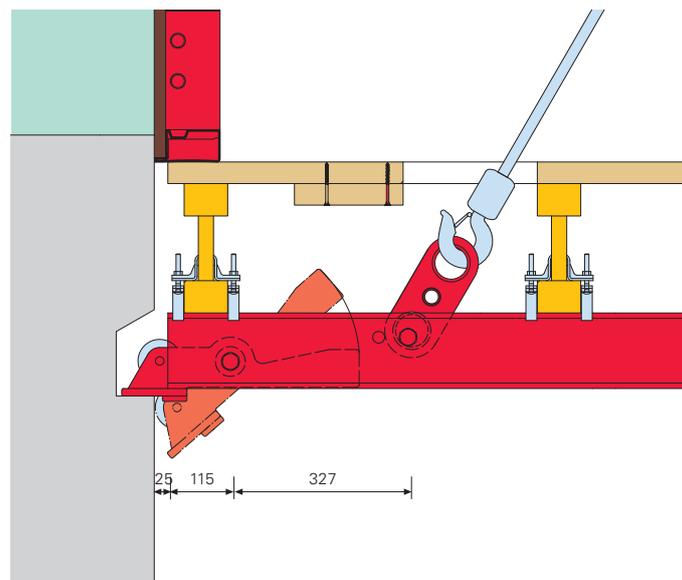
**Support on Folding Bracket 25**

Perm. load-bearing capacity 25 kN



**Support on gravity pivot plate**

Perm. load-bearing capacity max. 38 kN



**Assembly sequence**

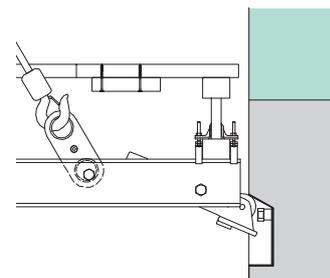
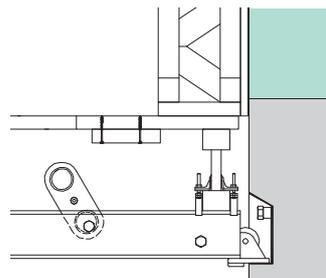
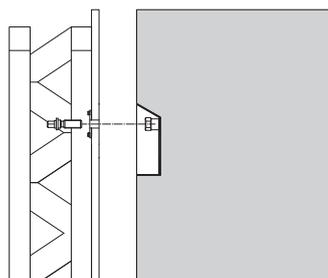
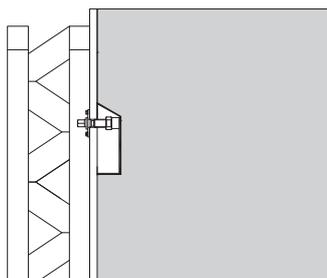
**Platform Beam BR with gravity pivot plate**

1. Bearing Box BR installed

2. Struck

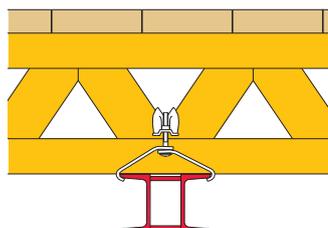
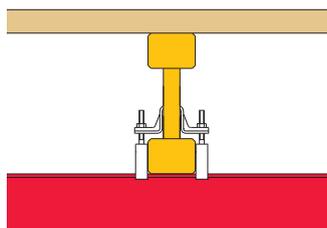
3. Platform supported

4. Platform lifted

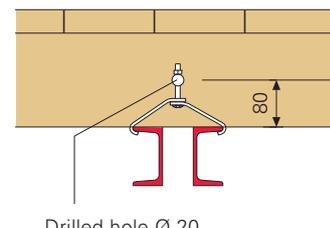
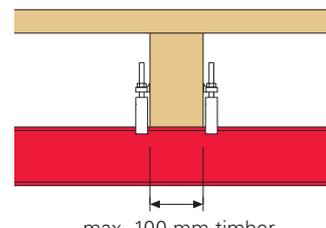


**Installation of platform decking**

1. With Girder GT 24



2. With square-shaped timber



**Hook Strap HB 24-100/120**  
for Profile U 100 / U 120  
**Hook Strap HB 24-140/160**  
for Profile U 140 / U 160

**Hook Strap HB 24 QB 150, galv.**  
for Profile U 100 / U 120  
**Hook Strap Uni HBU**  
for Profile U 100 – U 160

# CB Climbing Formwork, BR Shaft Platform



Item no.	Weight kg
051000	112,000

## Climbing Bracket CB 240

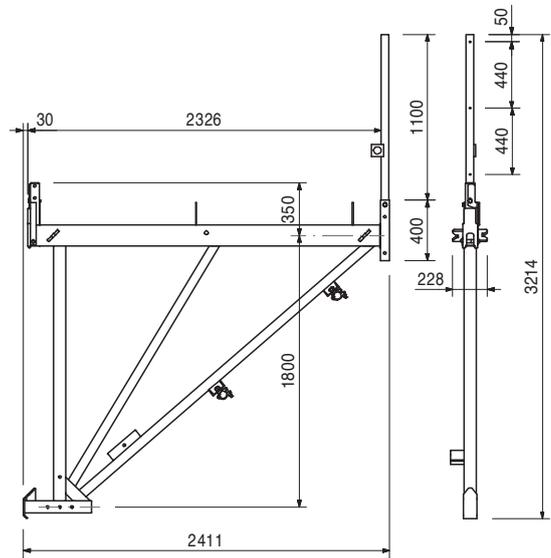
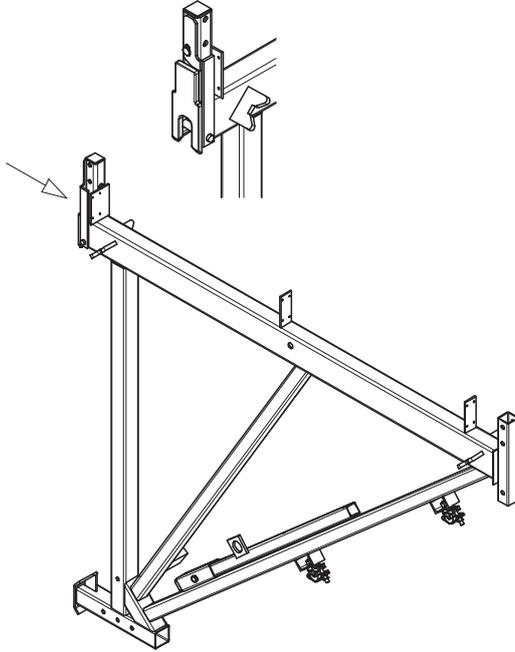
Complete Climbing Scaffold Bracket CB 240.

## Complete with

- 2 pc. 017040 Screw-On Coupler AK 48, galv.
- 1 pc. 715977 Guardrail Post CB 240
- 1 pc. 710222 Bolt ISO 4014 M16 x 80-8.8, galv.
- 1 pc. 070890 Nut ISO 7042 M16-8, galv.

## Note

Delivery condition: handrail post in transport securing device.



051020	33,900
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## Carriage CB 240

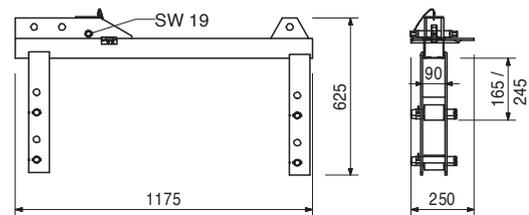
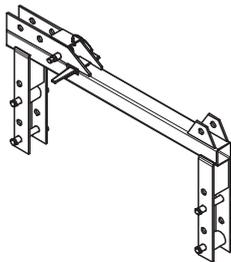
For assembly on the Climbing Bracket CB 240.  
Can be installed in 2 positions: for decking support with GT 24 girder or timber 8 x 16.

## Complete with

- 1 pc. 710944 Key Wedge, FW

## Note

Wrench size SW 19.



Accessories

027180	1,760
051040	8,440

## Ratchet Lever SW 19

## Rack CB 240

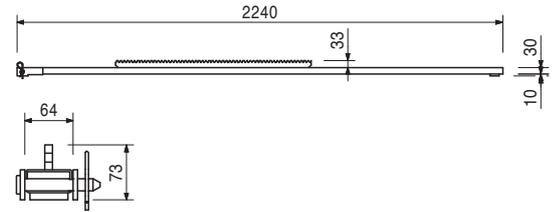
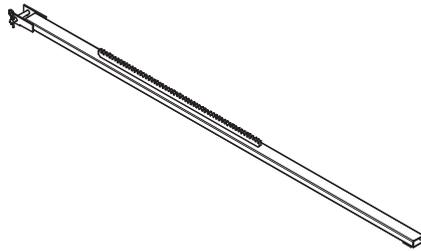
# CB Climbing Formwork, BR Shaft Platform



Item no.	Weight kg
051040	8,440

**Rack CB 240**  
For Carriage CB 240.

**Complete with**  
1 pc. 018050 Pin Ø 16 x 65/86, galv.  
1 pc. 018060 Cotter Pin 4/1, galv.

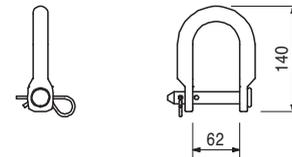


051010	0,930
--------	-------

**Crane Eye CB 240**  
For assembly on the Climbing Bracket CB 240 during use as working scaffold.

**Complete with**  
1 pc. 018050 Pin Ø 16 x 65/86, galv.  
1 pc. 018060 Cotter Pin 4/1, galv.

**Technical Data**  
Load-bearing point: capacity 700 kg. Only valid when used according to the PERI Ass. Instr.

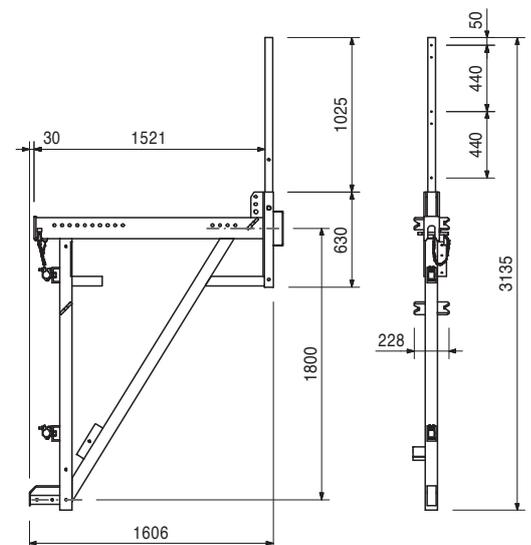
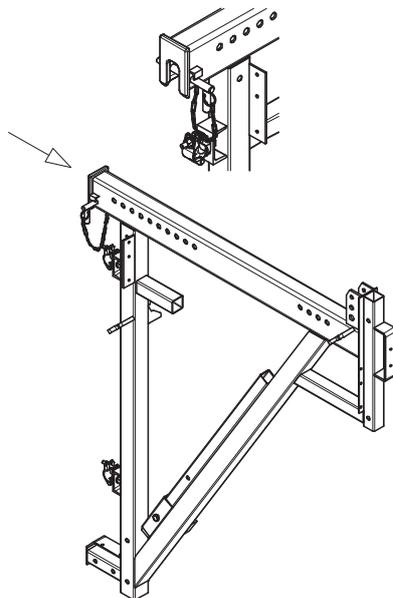


051100	79,000
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**Climbing Bracket CB 160**  
Complete Climbing Scaffold Bracket CB 160.

**Complete with**  
2 pc. 017040 Screw-On Coupler AK 48, galv.  
1 pc. 701209 Guardrail Post CB 160  
1 pc. 710222 Bolt ISO 4014 M16 x 80-8.8, galv.  
1 pc. 070890 Nut ISO 7042 M16-8, galv.

**Note**  
Delivery condition: handrail post in transport securing device.



# CB Climbing Formwork, BR Shaft Platform



Item no.	Weight kg
051130	12,900

## Adjusting Unit CB 160

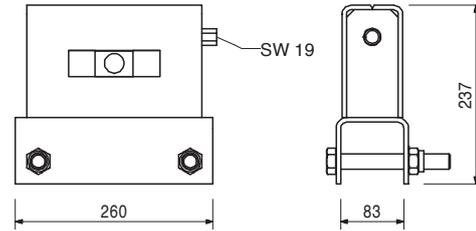
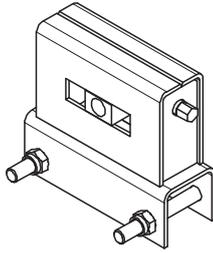
For Climbing Bracket CB 160.

## Complete with

2 pc. 711084 Bolt ISO 4014 M20 x 150-8,8, galv.  
2 pc. 781053 Nut ISO 7042 M20-8, galv.

## Note

Wrench size SW 19.



051120	4,570
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## Platform Connection CB 160

For mounting platform decking on the Climbing Bracket CB 160 for use as working scaffold.

## Complete with

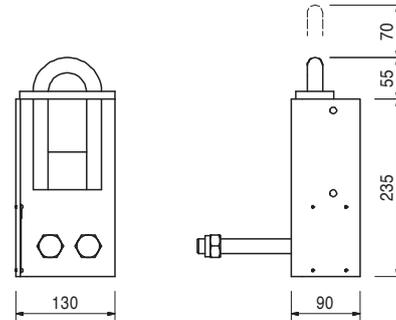
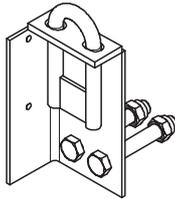
2 pc. 711078 Bolt ISO 4014 M20 x 130-8,8, galv.  
2 pc. 781053 Nut ISO 7042 M20-8, galv.

## Note

Follow instructions for use at all times.

## Technical Data

Load-bearing point: capacity 500 kg.



051060	73,400
051150	103,000

## Strongbacks CB

### Strongback CB 270

### Strongback CB 380

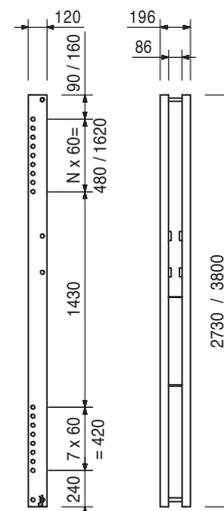
For assembling system formwork on Climbing Brackets CB 240 and 160. For formwork heights up to 5.40 m.

## Complete with

1 pc. 715936 Pin Ø 25 x 180, incl. dowel pin Ø 6  
1 pc. 018060 Cotter Pin 4/1, galv.

## Technical Data

Load-bearing point: capacity 1.9 t.



Item no.	Weight kg
051030	5,320

### Height Adjusting Unit CB, SCS

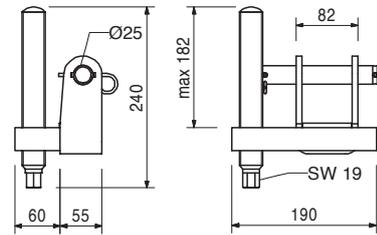
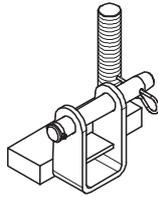
For height adjustment of VARIO GT 24 elements on the Strongbacks CB and SCS.

### Complete with

1 pc. 715936 Pin  $\varnothing$  25 x 180, incl. dowel pin  $\varnothing$  6  
1 pc. 018060 Cotter Pin 4/1, galv.

### Note

Wrench size SW 19.



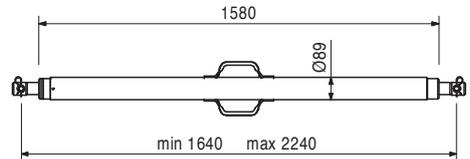
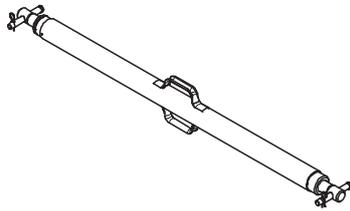
051110	24,900
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### Adjustable Brace CB 164-224

For aligning the Strongback CB.

### Complete with

2 pc. 715936 Pin  $\varnothing$  25 x 180, incl. dowel pin  $\varnothing$  6  
2 pc. 018060 Cotter Pin 4/1, galv.



051090	13,500
--------	--------

### Connector TRIO-CB

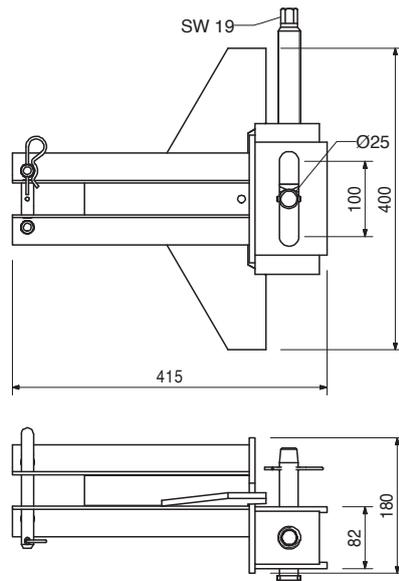
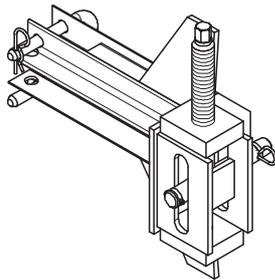
For fixing TRIO elements to the Strongback CB. Used on horizontal or vertical struts. With integrated height adjustment.

### Complete with

1 pc. 715936 Pin  $\varnothing$  25 x 180, incl. dowel pin  $\varnothing$  6  
1 pc. 018060 Cotter Pin 4/1, galv.

### Note

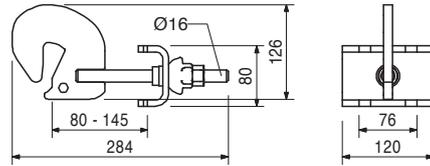
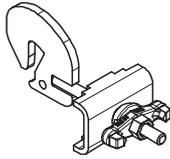
Wrench size SW 19.



Item no.	Weight kg
110059	2,840

## Waler Fixation U100 – U120

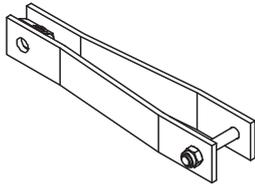
For fixing VARIO GT 24 elements to Strongbacks CB and SCS, Steel Waler SRU and V-Strongback SKS.



107007	3,410
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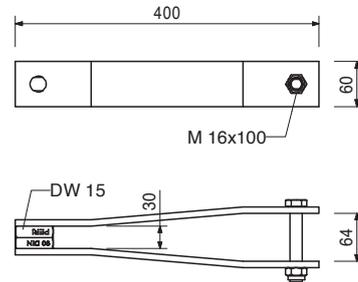
## Tension Anchor Connector CB

To prevent tipping over due to wind loads with Tie Rod DW 15.



## Complete with

1 pc. 710219 Bolt ISO 4014 M16 x 100-8.8, galv.  
1 pc. 070890 Nut ISO 7042 M16-8, galv.

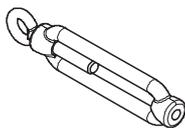


Accessories

116807	1,820
030030	1,440

## Turnbuckle CB M20/DW 15

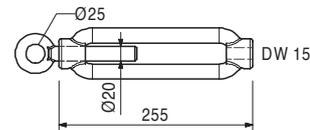
### Tie Rod DW 15 Spec. Length



## Complete with

For tensioning of Tie Rod DW 15 to prevent tipping over due to wind loads. Connects Tie Rod DW 15 with Wall Bracing Shoe CB M24.

1 pc. 711059 Turnbuckle for tension anchor CB  
1 pc. 711060 Eye Bolt M20, left, galv.



Accessories

107008	4,100
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## Wall Tension Anchor

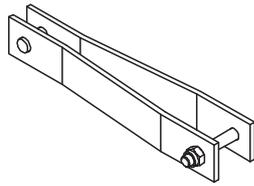
# CB Climbing Formwork, BR Shaft Platform



Item no.	Weight kg
051260	3,300

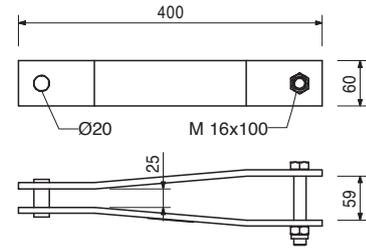
## Tension Belt Connector CB

To prevent tipping over due to wind loads with tension belt.



## Complete with

1 pc. 710219 Bolt ISO 4014 M16 x 100-8.8, galv.  
1 pc. 070890 Nut ISO 7042 M16-8, galv.



051250	2,790
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Accessories

## Tension Belt I = 5.70 m, 25 kN

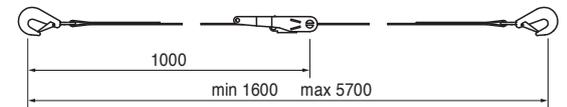
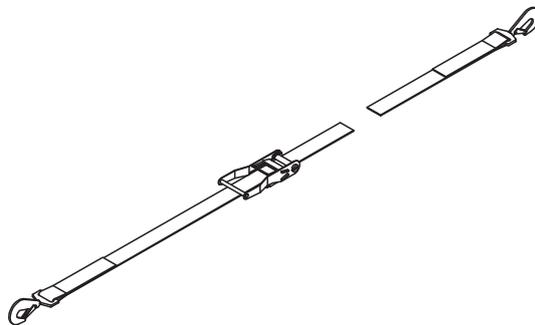
051250	2,790
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## Tension Belt I = 5.70 m, 25 kN

To prevent climbing systems from tipping over due to wind loads.

## Technical Data

Permissible tension force 25.0 kN.



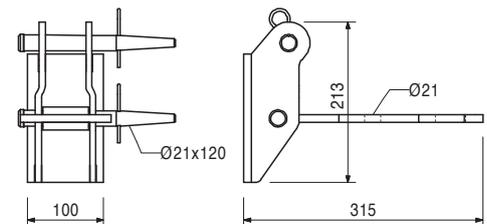
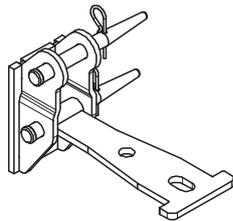
116752	5,050
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## Wall Bracing Shoe CB M24

To prevent tipping over due to wind loads with Tension Belt or Tie Rod DW 15 and to stabilise the finishing Platform. To be mounted on the Climbing Anchor M24 embedded in the concrete.

## Complete with

2 pc. 104031 Fitting Pin Ø 21 x 120  
2 pc. 018060 Cotter Pin 4/1, galv.



026430	0,334
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Accessories

## Bolt ISO 4014 M24 x 70-10.9

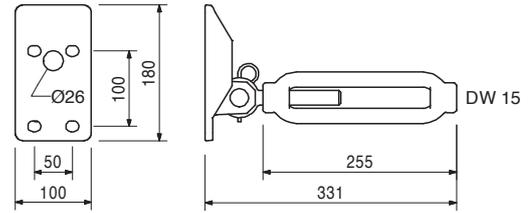
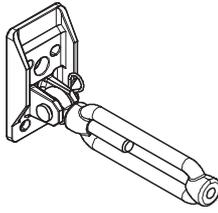
Item no.	Weight kg
107008	4,100

### Wall Tension Anchor

Alternative wall connector to prevent tipping over due to wind loads with Tie Rod DW 15. Including Turnbuckle CB M20/DW 15.

### Complete with

- 1 pc. 027170 Pin  $\varnothing$  16 x 42, galv.
- 1 pc. 018060 Cotter Pin 4/1, galv.



026430	0,334
--------	-------

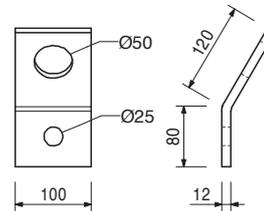
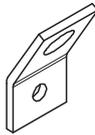
### Accessories

### Bolt ISO 4014 M24 x 70-10.9

051270	1,620
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### Tension Belt Connector Wall M24

Wall connector to prevent tipping over due to wind loads with Tension Belt. To be used for climbing systems CB and FB.



026430	0,334
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### Accessories

### Bolt ISO 4014 M24 x 70-10.9

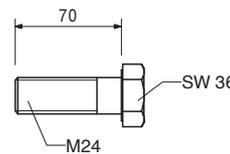
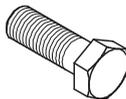
026430	0,334
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### Bolt ISO 4014 M24 x 70-10.9

High-strength bolts for anchoring climbing systems.

### Note

Wrench size SW 36.



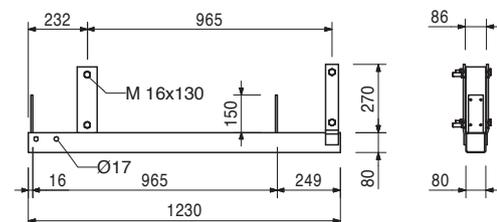
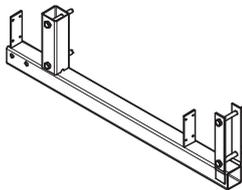
051230	17,000
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### Finishing Platform Beam CB

For assembling finishing platforms.

### Complete with

- 4 pc. 710232 Bolt ISO 4014 M16 x 130-8.8, galv.
- 4 pc. 070890 Nut ISO 7042 M16-8, galv.



# CB Climbing Formwork, BR Shaft Platform



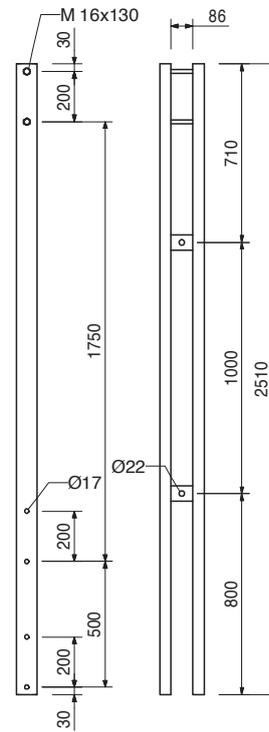
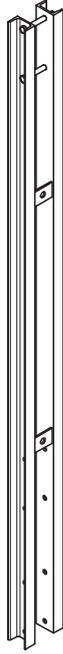
Item no.	Weight kg
051200	44,400

## Platform Post CB 225

For assembling finishing platforms. For concreting heights up to 3.60 m. In combination with Post Extension CB 180 for concreting heights from 3.60 to 5.40 m.

## Complete with

2 pc. 710232 Bolt ISO 4014 M16 x 130-8.8, galv.  
2 pc. 070890 Nut ISO 7042 M16-8, galv.



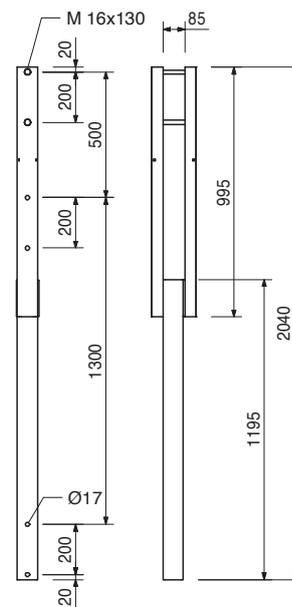
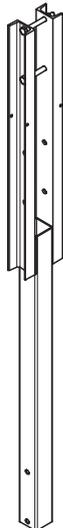
051050	26,400
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## Post Extension CB 180

For assembling finishing platforms. In combination with Platform Post CB 225 for concreting heights from 3.60 to 5.40 m.

## Complete with

2 pc. 710232 Bolt ISO 4014 M16 x 130-8.8, galv.  
2 pc. 070890 Nut ISO 7042 M16-8, galv.



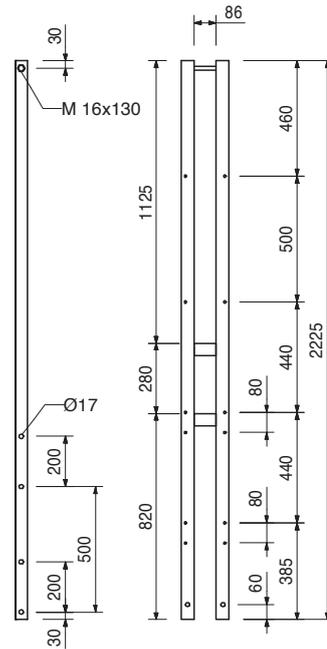
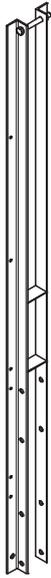
Item no.	Weight kg
051190	17,400

## Handrail Post CB 200

For assembling guardrails on finishing platforms.  
Basic extension for Handrail Post CB 190 and 370.

## Complete with

2 pc. 710232 Bolt ISO 4014 M16 x 130-8.8, galv.  
2 pc. 070890 Nut ISO 7042 M16-8, galv.



051210	19,000
051220	34,600

## Handrail Posts CB

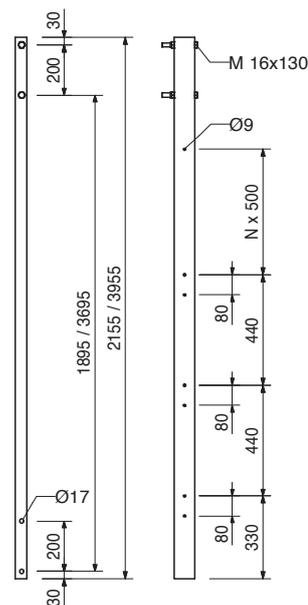
### Handrail Post CB 190

### Handrail Post CB 370

For assembling guardrails on finishing platforms.  
Handrail Post CB 190 for concreting heights up to 3.60 m. Handrail Post CB 370 for concreting heights from 3.60 to 5.40 m.

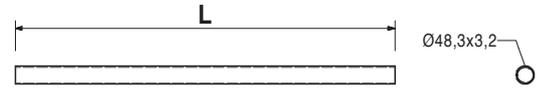
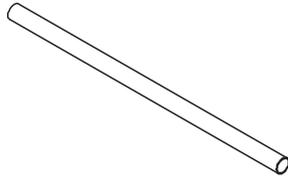
## Complete with

2 pc. 710232 Bolt ISO 4014 M16 x 130-8.8, galv.  
2 pc. 070890 Nut ISO 7042 M16-8, galv.

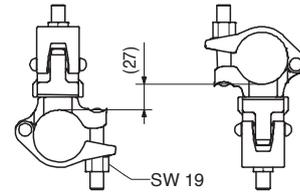
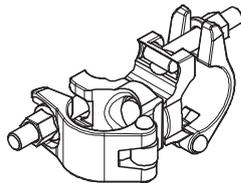


# CB Climbing Formwork, BR Shaft Platform

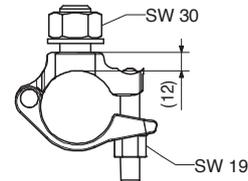
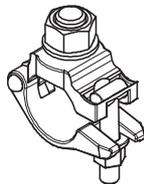
Item no.	Weight kg		L
026415	3,550	<b>Scaffold Tubes Steel Ø 48.3 x 3.2</b>	
026417	0,000	<b>Scaff. Tube Steel Ø 48.3 x 3.2, special length</b>	
		<b>Cutting Cost Scaffold Tube</b>	
026411	3,550	<b>Scaff. Tube Steel Ø 48.3 x 3.2, l = 1.0 m</b>	1000
026412	7,100	<b>Scaff. Tube Steel Ø 48.3 x 3.2, l = 2.0 m</b>	2000
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
026419	17,750	<b>Scaff. Tube Steel Ø 48.3 x 3.2, l = 5.0 m</b>	5000
026418	21,600	<b>Scaff. Tube Steel Ø 48.3 x 3.2, l = 6.0 m</b>	6000



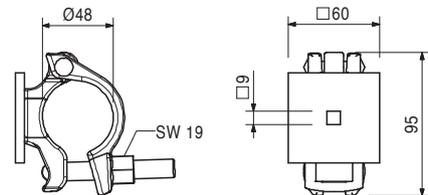
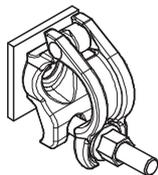
017010	1,400	<b>Swivel Coupling DK 48/48, galv.</b> For Scaffold Tubes Ø 48 mm.	<b>Note</b> Wrench size SW 19.
--------	-------	-----------------------------------------------------------------------	-----------------------------------



017040	0,850	<b>Screw-On Coupler AK 48, galv.</b> For Scaffold Tubes Ø 48 mm.	<b>Note</b> Wrench size SW 30, SW 19.
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051160	0,894	<b>Guardrail Connector CB</b> For assembling scaffold tubes Ø 48 mm on handrail posts.	<b>Note</b> Wrench size SW 19.
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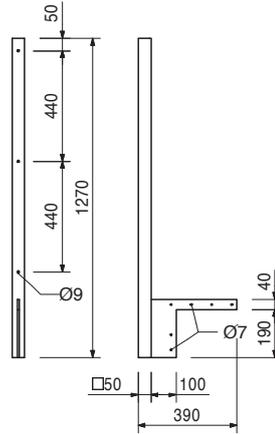


024140	0,033	Accessories <b>F.H. Bolt DIN 603 M8 x 70 MU, galv.</b>	
--------	-------	-----------------------------------------------------------	--

Item no.	Weight kg
051610	6,940

## Side Guardrail Post

For assembly of an end guardrail. Bolted to the platform main beam.



051640	0,014
--------	-------

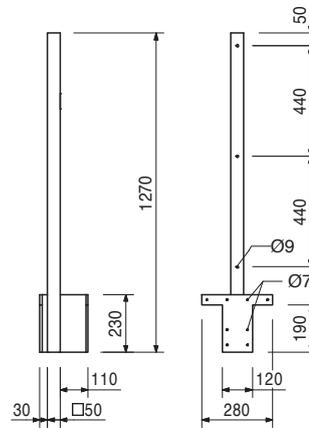
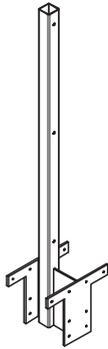
Accessories

## Lag Screw DIN 571 6 x 80, galv.

051630	11,000
--------	--------

## Intermediate Handrail Post CB

For assembling a guardrail with large cantilevers. Bolted on the platform main beam.



051640	0,014
--------	-------

Accessories

## Lag Screw DIN 571 6 x 80, galv.

051610	6,940
--------	-------

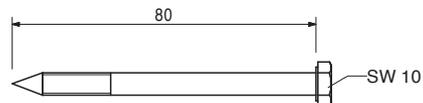
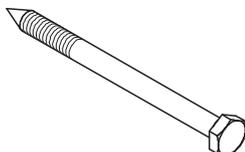
## Side Guardrail Post CB

051640	0,014
--------	-------

## Lag Screw DIN 571 6 x 80, galv.

### Note

Wrench size SW 10.



# CB Climbing Formwork, BR Shaft Platform



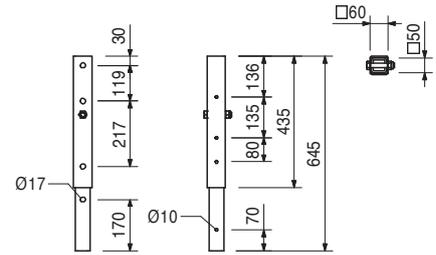
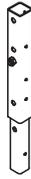
Item no.	Weight kg
126399	4,710

## Guardrail Expansion CB

For the extension of guardrail post CB by 50 cm.

## Complete with

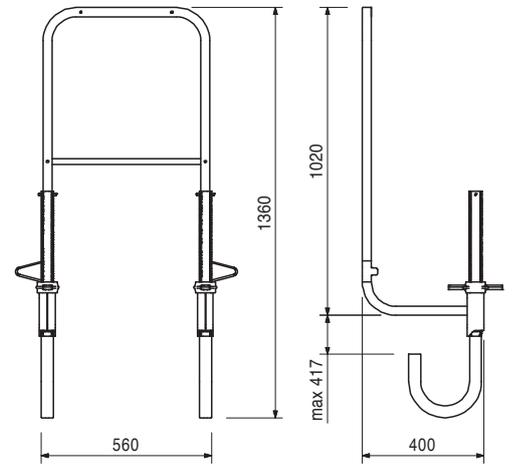
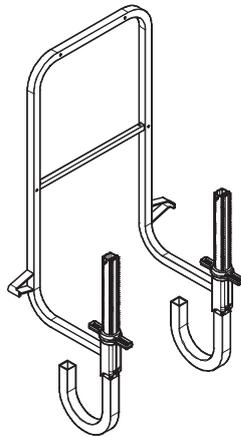
1 pc. 710222 Bolt ISO 4014 M16 x 80-8.8, galv.  
1 pc. 070890 Nut ISO 7042 M16-8, galv.



065066	15,100
--------	--------

## End Guardrail Frame 55

Clampable end guardrail for all PERI scaffold platforms and climbing systems.



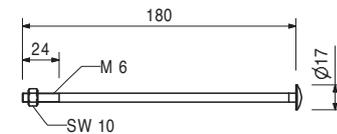
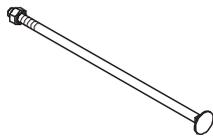
051650	0,060
--------	-------

## F.H. Bolt DIN 603 M6 x 180 MU, galv.

With nut.

## Note

Wrench size SW 10.



710240	0,050
108834	0,085
024360	0,058

## F.H. Bolts DIN 603 M8, galv.

F.H. Bolt DIN 603 M8 x 100 MU, galv.

F.H. Bolt DIN 603 M8 x 180 MU, galv.

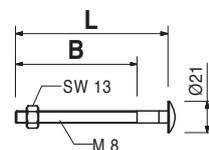
F.H. Bolt DIN 603 M8 x 125 MU, galv.

With nut.

L	B
100	80
180	28
125	113

## Note

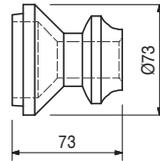
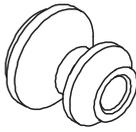
Wrench size SW 13.



Item no.	Weight kg
029470	0,723

**Scaffold Mounting Ring M24, galv.**  
Anchor System M24.  
For anchoring climbing systems.

**Note**  
Permissible load: see PERI product information.



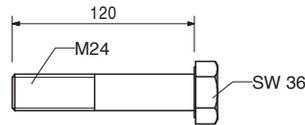
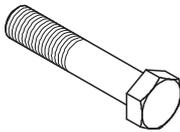
Item no.	Weight kg
029560	0,535

Accessories  
**Bolt ISO 4014 M24 x 120-10.9**

**Note**  
Wrench size SW 36.

Item no.	Weight kg
029560	0,535

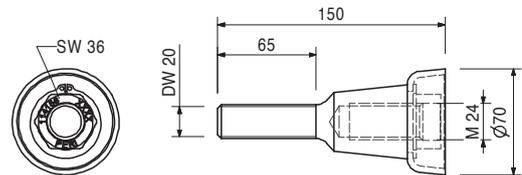
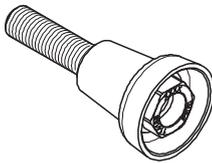
**Bolt ISO 4014 M24 x 120-10.9**  
High-strength bolts for anchoring climbing systems.



Item no.	Weight kg
114158	1,030

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

**Note**  
Permissible load: see PERI Product Information or Approval.  
Wrench size SW 36.



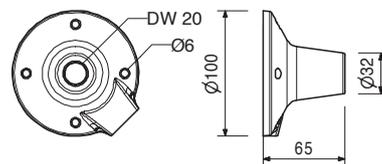
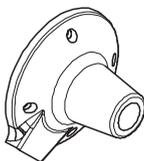
Item no.	Weight kg
030860	0,801

Accessories  
**Threaded Anchor Plate DW 20**

**Note**  
Lost anchor part.

Item no.	Weight kg
030860	0,801

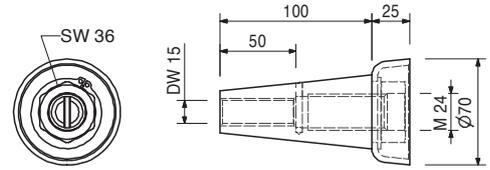
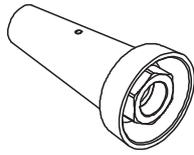
**Threaded Anchor Plate DW 20**  
For use with Tie Rod DW 20, B 20 or Screw-On Cone-2 M24/DW 20. For anchoring in concrete.



Item no.	Weight kg
031220	1,010

**Climbing Cone-2 M 24/DW 15, galv.**  
Anchor system M24.  
For anchoring climbing systems.

**Note**  
Permissible load: see PERI Product Information or Approval.  
Wrench size SW 36.



Accessories

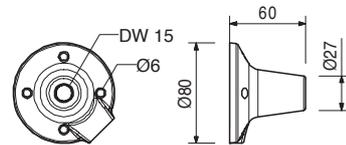
030840	0,516
030030	1,440
030740	1,550

**Threaded Anchor Plate DW 15**  
**Tie Rod DW 15 Spec. Length**  
**Tie Rod B 15 Spec. Length**

030840	0,516
--------	-------

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

**Note**  
Lost anchor part.



030030	1,440
030050	0,000

**Tie Rods 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 load 90 kN.

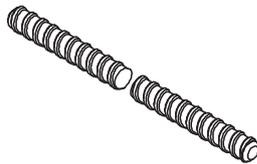


030740	1,550
030050	0,000

**Tie Rods B 15**  
**Tie Rod B 15 Spec. Length**  
**Cutting Cost Tie Rod DW 15/ B 15**

**Note**  
Weldable! Take official approval into consideration!

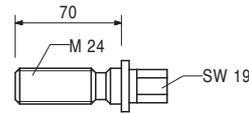
**Technical Data**  
Permissible load 85 kN.



Item no.	Weight kg
029270	0,331

**Advancing Bolt M24, galv.**  
For fixing the M24 anchor system if the plywood formlining is drilled through.

**Note**  
Wrench size SW 19.

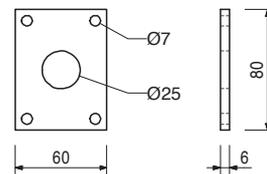


029280	0,196
--------	-------

Accessories  
**Anchor Positioning Plate M24, galv.**

029440	0,005
--------	-------

**Anchor Positioning Plate M24, galv.**  
For fixing the M24 anchor system if the plywood formlining is drilled through.



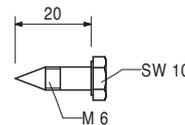
029440	0,005
--------	-------

Accessories  
**Lag Screw DIN 571 6 x 20, galv.**

029440	0,005
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**Lag Screw DIN 571 6 x 20, galv.**

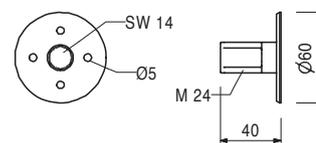
**Note**  
Wrench size SW 10.



026420	0,123
--------	-------

**Anchor Positioning Stud M 24, galv.**  
For fixing the M24 anchor system if the plywood formlining is not drilled through.

**Note**  
Allen Key SW 14.



027212	0,445
710312	0,005

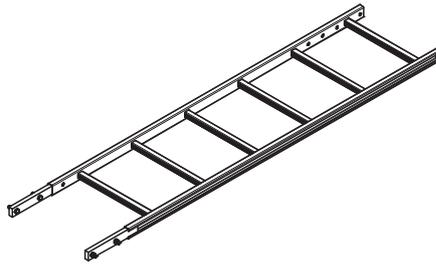
Accessories  
**Allen Key SW 14, long**  
**Nail 3 x 80**

# CB Climbing Formwork, BR Shaft Platform

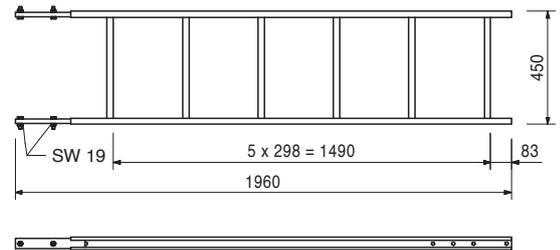


Item no.	Weight kg
051410	11,700

**Ladder 180/6, galv.**  
As access for PERI formwork systems.

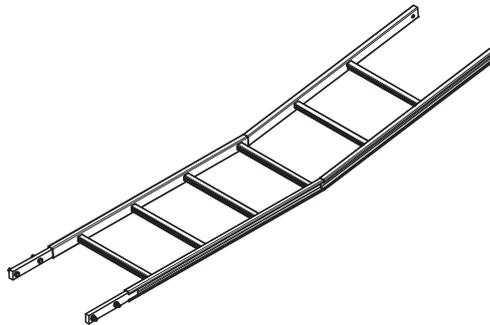


**Complete with**  
4 pc. 710224 Bolt ISO 4017 M12 x 40-8.8, galv.  
4 pc. 710381 Nut ISO 7042 M12-8, galv.

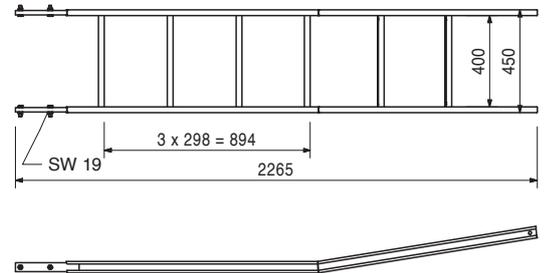


051420	12,800
--------	--------

**Ladder 220/6**  
As access for PERI formwork systems.

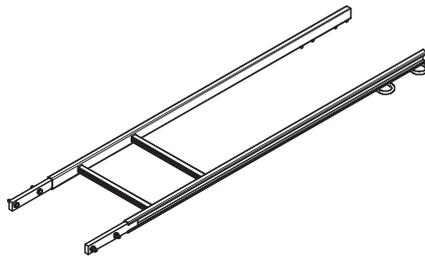


**Complete with**  
4 pc. 710224 Bolt ISO 4017 M12 x 40-8.8, galv.  
4 pc. 710381 Nut ISO 7042 M12-8, galv.

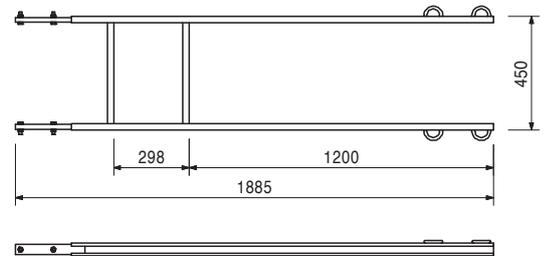


103724	10,400
--------	--------

**End Ladder 180/2, galv.**  
As access for PERI formwork systems.

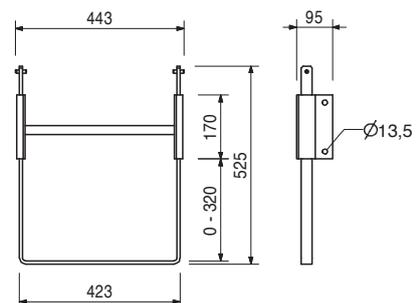
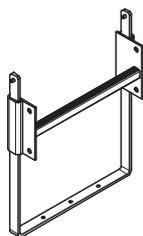


**Complete with**  
4 pc. 710224 Bolt ISO 4017 M12 x 40-8.8, galv.  
4 pc. 710381 Nut ISO 7042 M12-8, galv.



109105	5,070
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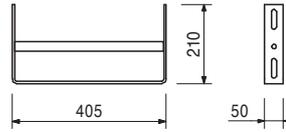
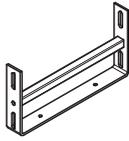
**Ladder Base 30 adjustable, galv.**  
For horizontal fixing of ladders on the platform decking.



Item no.	Weight kg
051460	2,180

### Ladder Base, galv.

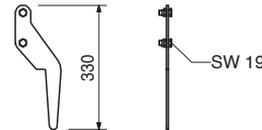
As bottom ladder connection and for securing ladders against sliding on the scaffold decks.



103718	0,684
--------	-------

### Ladder Hook, galv.

For adjusting the bottom ladder. Always use in pairs.



### Complete with

2 pc. 710266 Bolt ISO 4017 M12 x 25-8.8, galv.  
2 pc. 710381 Nut ISO 7042 M12-8, galv.

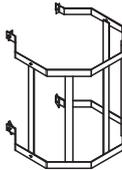
104132	15,600
051450	25,200

### Ladder Safety Cages, galv.

#### Ladder Safety Cage 75, galv.

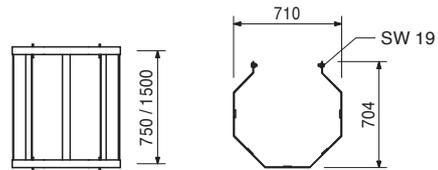
#### Ladder Safety Cage 150, galv.

Ladder safety cage for PERI access ladders.



### Complete with

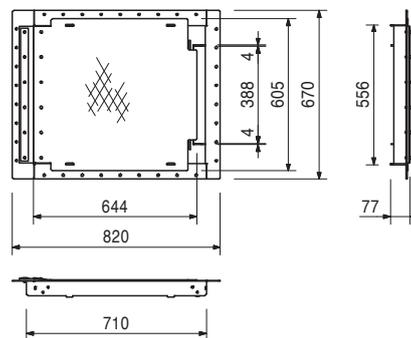
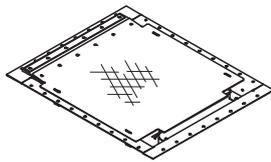
4 pc. 710266 Bolt ISO 4017 M12 x 25-8.8, galv.  
4 pc. 701763 Clamping Plate FI 25 x 10 x 90



126431	12,400
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### Hatch 55 x 60-2, foldable

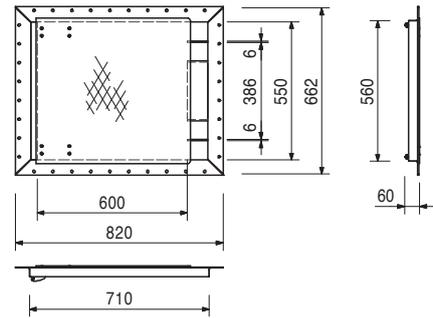
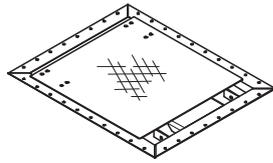
Self-Closing hatch for ladder accesses. Clear opening approx. 55 x 60 mm ladder fixation with bolts or by hanging up.



Item no.	Weight kg
110608	15,600

**Hatch 55 x 60, foldable**

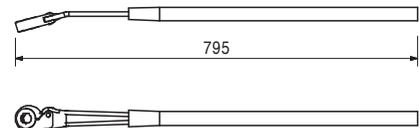
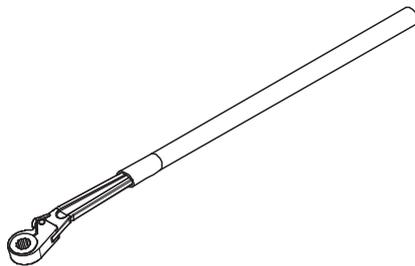
Self-locking hatch opening for access ladders.  
Clear opening dimensions approx. 55 x 60 cm.



027180	1,760
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**Ratchet Lever SW 19**

For operation of the adjusting unit and of the carriage with drive shaft SW 19.



027200	0,100
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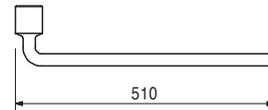
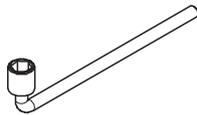
Accessories

**Insert Socket SW 19**

031480	2,460
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**Socket Wrench SW 36, chrome-plated**

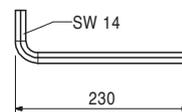
For various purposes.



027212	0,445
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**Allen Key SW 14, long**

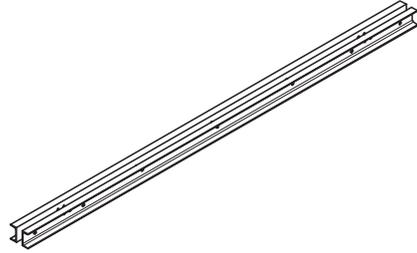
Fits to PERI Anchor Positioning Stud and Allen key bolts M16.



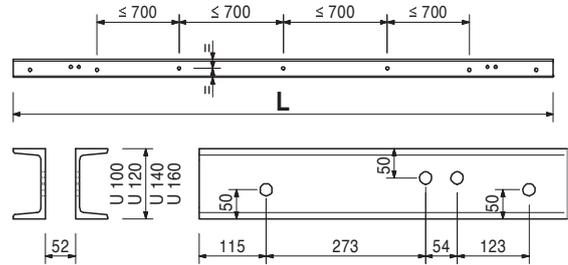
Item no.	Weight kg
020320	21,800
020510	27,400
020310	32,800
020520	38,600

- Platform Beams BR**
- Platform Beam BR U100**
- Platform Beam BR U120**
- Platform Beam BR U140**
- Platform Beam BR U160**

As cross beam for shaft platforms. The specified item no. is for the platform beams only (2 pieces). Required accessories are to be ordered separately.



**Note**  
Permissible load: see PERI Design Tables.



Item no.	Weight kg
020620	0,561
105401	2,210
020330	12,100
020600	6,740

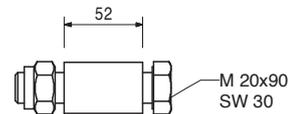
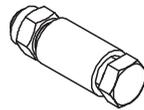
- Accessories
- Spacer for Platform Beam BR**
  - Crane Eye BR 2.5 t**
  - Folding Bearing Plate 25**
  - Gravity Pivot Plate BR**

020620	0,561
--------	-------

**Spacer for Platform Beam BR**  
For Platform Beam BR or Steel Walers SRU.

**Complete with**  
1 pc. 710226 Bolt ISO 4014 M20 x 90-8.8, galv.  
1 pc. 781053 Nut ISO 7042 M20-8, galv.

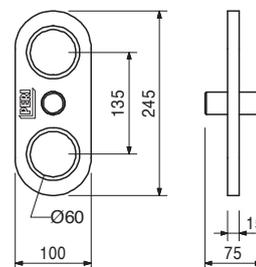
**Note**  
Spacing maximum 700 mm.  
Number required depends on length of platform beam. Wrench size SW 30.



105401	2,210
--------	-------

**Crane Eye BR 2.5 t**  
As attachment point for moving climbing systems or Platform Beam BR.

**Technical Data**  
Load-bearing point capacity 2.5 t. Only valid when used according to the PERI Assembly Instr.



020620	0,561
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- Accessories
- Spacer for Platform Beam BR**

Item no.	Weight kg
020600	6,740

### Gravity Pivot Plate BR

For supporting Platform Beam BR in wall box-outs.  
2 pieces per platform beam.

### Complete with

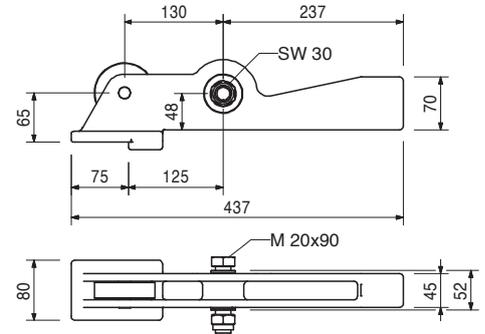
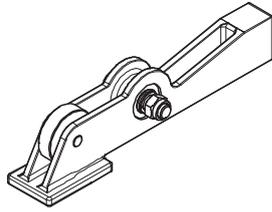
1 pc. 710226 Bolt ISO 4014 M20 x 90-8.8, galv.  
1 pc. 781053 Nut ISO 7042 M20-8, galv.

### Note

Wrench size SW 30.

### Technical Data

Permissible load: see PERI product information.



108162	1,800
--------	-------

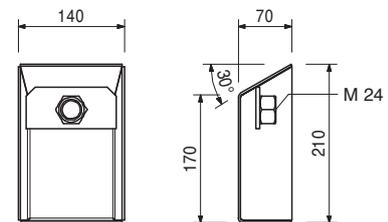
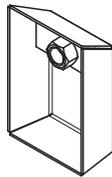
Accessories

### Bearing Box BR

108162	1,610
--------	-------

### Bearing Box BR

For creating wall box-outs for mounting with the gravity pivot plate.



029270	0,331
--------	-------

Accessories

### Advancing Bolt M24, galv.

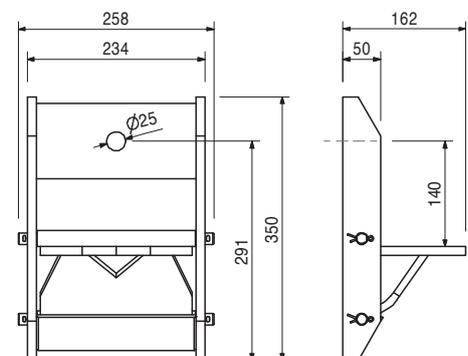
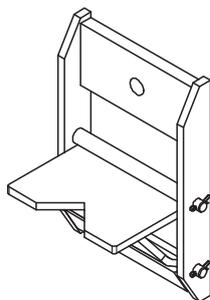
020330	12,100
--------	--------

### Folding Bearing Plate 25

For supporting Platform Beam BR with Anchor System M24. 2 pieces per platform beam.

### Technical Data

Permissible load 25.0 kN.



026430	0,334
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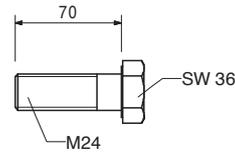
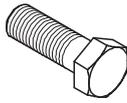
Accessories

### Bolt ISO 4014 M24 x 70-10.9

Item no.	Weight kg
026430	0,334

**Bolt ISO 4014 M24 x 70-10.9**  
High-strength bolts for anchoring climbing systems.

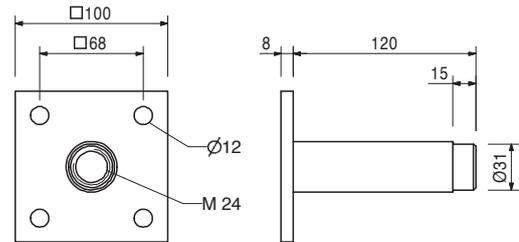
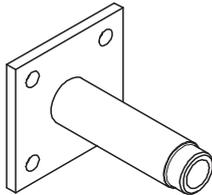
**Note**  
Wrench size SW 36.



026230	1,010
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**Anchor Sleeve M24**  
To anchor platform systems.

**Note**  
Permissible load: see PERI product information.



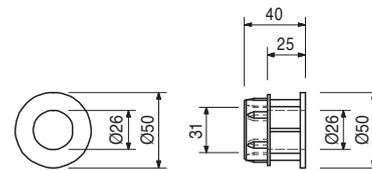
Accessories

026240	0,026
026250	0,005

**Spacer PP Ø 31/26, C = 25**  
**Plug Ø 26 mm for Anchor Sleeve M24**

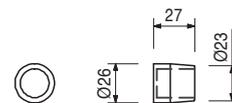
026240	0,026
--------	-------

**Spacer PP Ø 31/26, C = 25**  
Results in a concrete cover of 25 mm.



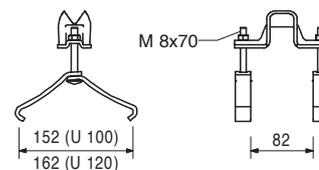
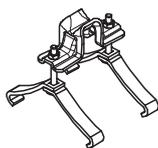
026250	0,005
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**Plug Ø 26 mm for Anchor Sleeve M24**  
For closing the cone for Anchor Sleeve M24.



024070	0,691
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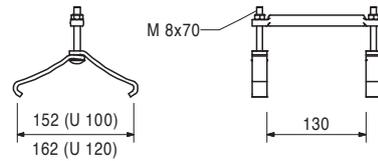
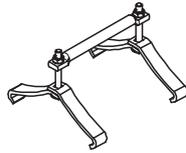
**Hook Strap HB 24-100/120, galv.**  
For fixing GT 24 Girders to Steel Walers SRZ, SRU and BR: U100 – U120.



Item no.	Weight kg
024860	0,616

### Hook Strap HB 24 QB 150, galv.

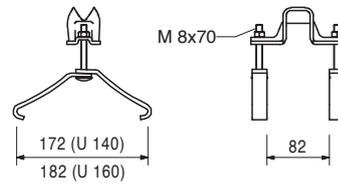
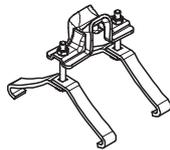
For fixing GT24 Girders independant from girder node and timber beams to Steel Walers SRZ, SRU and BR: U100 – U120.



024080	0,735
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### Hook Strap HB 24-140/160, galv.

For fixing GT 24 Girders to Steel Walers SRZ, SRU and BR: U140 – U160.



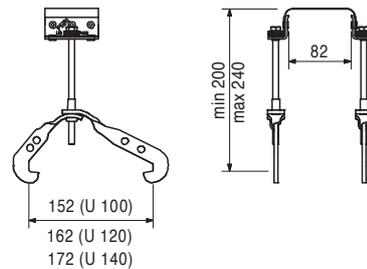
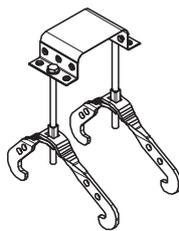
104931	0,865
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### Hook Strap Uni HBU 20-24

For fixing GT 24 Girders or VT 20 Girders to Steel Walers SRZ, SRU and BR: U100 – U140.

### Note

The girders can be mounted at right-angles or diagonally to the steel walers and also outside of the nodes.



024540	0,005
--------	-------

### Accessories

### TSS-Torx 6 x 40, galv.

# CB Climbing Formwork, BR Shaft Platform



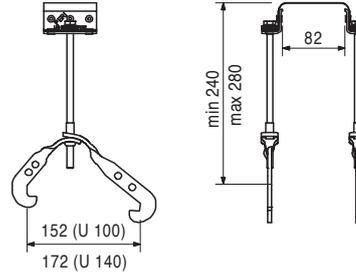
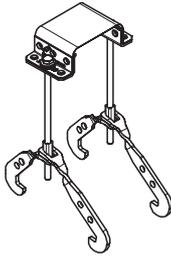
Item no.	Weight kg
103845	0,893

## Hook Strap Uni HBU 24-28

For fixing GT 24 Girders to Steel Walers SRZ, SRU and BR: U100 – U140.

### Note

The girders can be mounted at right-angles or diagonally to the steel walers and also outside of the nodes.



Accessories

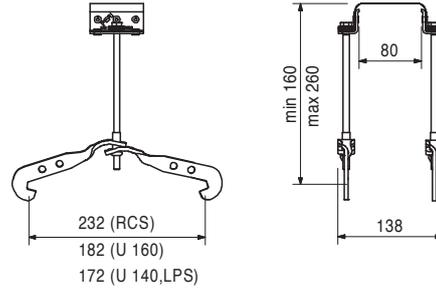
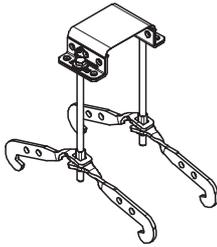
024540	0,005
--------	-------

**TSS-Torx 6 x 40, galv.**

111806	0,921
--------	-------

## Hook Strap Uni HBU 24-26 U200

For assembling the GT 24 Girder on the Climbing Rail RCS and LPS or on Steel Walers BR: U140 – U160.



Accessories

024540	0,005
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**TSS-Torx 6 x 40, galv.**

030370	1,660
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## Wingnut Pivot Plate DW 15, galv.

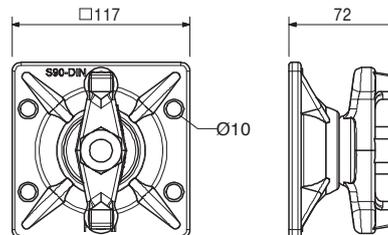
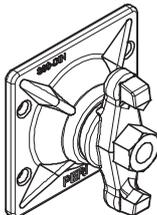
For anchoring with Tie Rod DW 15 and B 15. With pivoting captive nut. Maximum angle of tilting 8°.

### Note

Wrench size SW 27.

### Technical Data

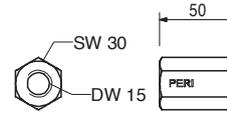
Permissible load 90 kN.



Item no.	Weight kg
030070	0,222

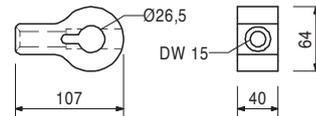
**Hex. Nut DW 15 SW 30/50, galv.**  
For anchoring with Tie Rod DW 15 and B 15.

**Note**  
Wrench size SW 30.  
**Technical Data**  
Permissible load 90 kN.



115378	1,080
--------	-------

**Eye Nut RCS DW15**  
As an articulated connection to the Climbing Rail RCS, Steel Waler SRU for bracing with DW 15.



Accessories

104031	0,462
111567	0,729

**Fitting Pin Ø 21 x 120**  
**Fitting Pin Ø 26 x 120**

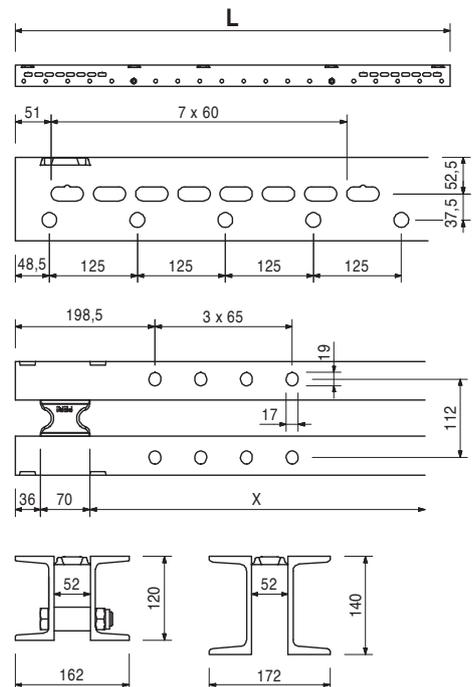
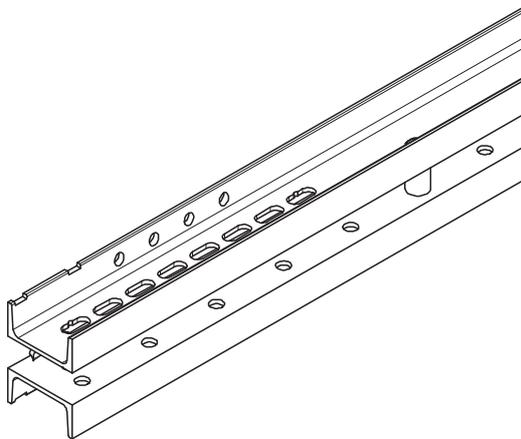
103868	18,100
103871	24,200
103874	30,900
103877	38,100
103886	44,700
103889	52,000
103898	58,600
103892	65,600
103929	72,000
103903	81,000
103906	92,600
103915	106,000
103918	119,000
103922	135,000
103925	146,000
103928	159,000

**Steel Walers Universal SRU**  
**Steel Waler Universal SRU U120 L = 0.72 m**  
**Steel Waler Universal SRU U120 L = 0.97 m**  
**Steel Waler Universal SRU U120 L = 1.22 m**  
**Steel Waler Universal SRU U120 L = 1.47 m**  
**Steel Waler Universal SRU U120 L = 1.72 m**  
**Steel Waler Universal SRU U120 L = 1.97 m**  
**Steel Waler Universal SRU U120 L = 2.22 m**  
**Steel Waler Universal SRU U120 L = 2.47 m**  
**Steel Waler Universal SRU U120 L = 2.72 m**  
**Steel Waler Universal SRU U120 L = 2.97 m**  
**Steel Waler Universal SRU U120 L = 3.47 m**  
**Steel Waler Universal SRU U120 L = 3.97 m**  
**Steel Waler Universal SRU U120 L = 4.47 m**  
**Steel Waler Universal SRU U120 L = 4.97 m**  
**Steel Waler Universal SRU U120 L = 5.47 m**  
**Steel Waler Universal SRU U120 L = 5.97 m**

Universal steel waler profile U120 and U140 used as waling for girder wall formwork and for diverse special applications. With adjustable spacers.

L
722
972
1222
1472
1722
1972
2222
2472
2722
2972
3472
3972
4472
4972
5472
5972

**Technical Data**  
SRU 120  $W_y = 121.4 \text{ cm}^3$ ,  $I_y = 728 \text{ cm}^4$ .  
SRU 140  $W_y = 172.8 \text{ cm}^3$ ,  $I_y = 1210 \text{ cm}^4$ .



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# The optimal System for every Project and every Requirement



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