

## **BR shaft platforms**

Safe support for inside shaft formwork



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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.

# Content

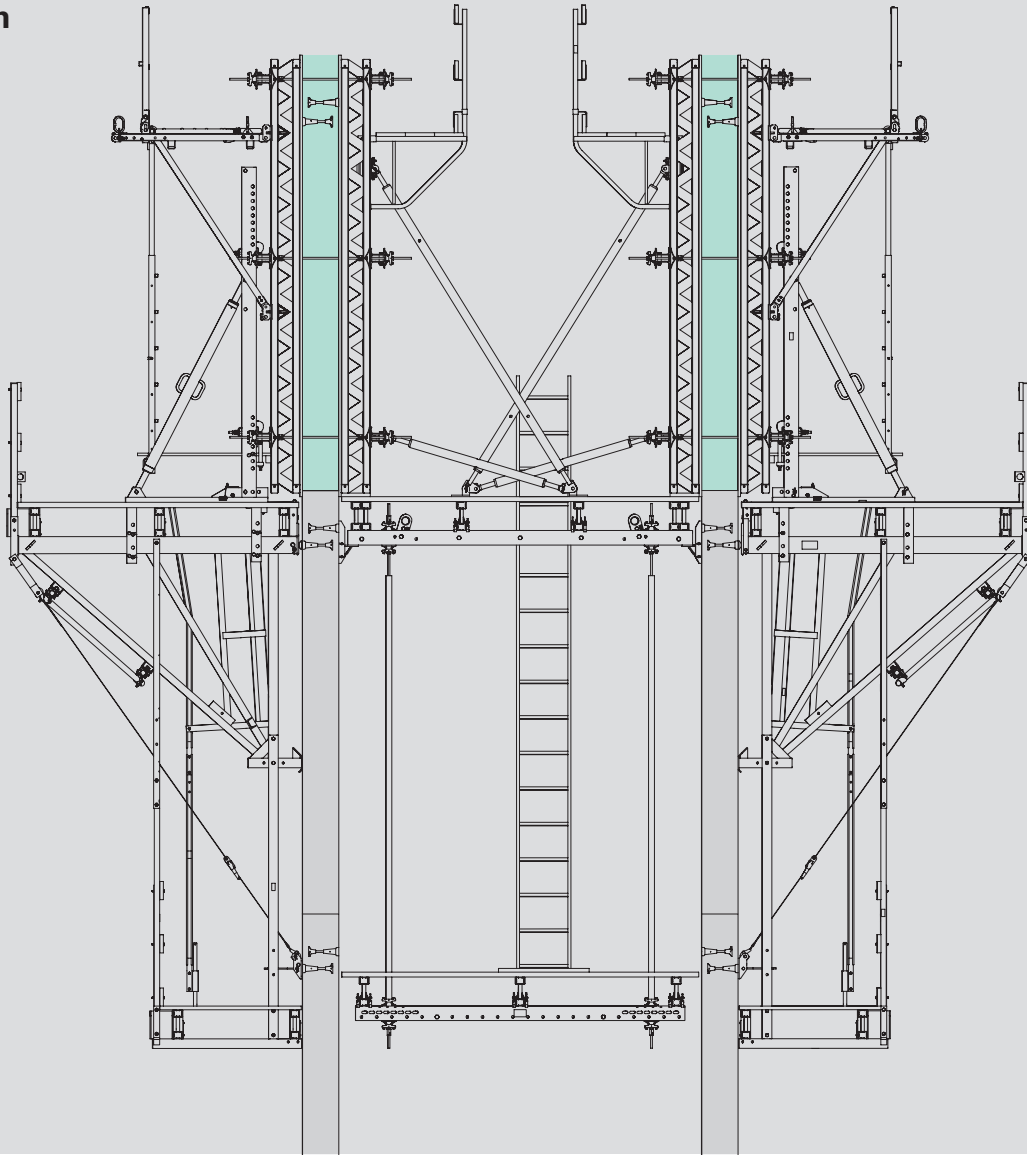
## **BR shaft platforms**

- 2 Safe support for inside shaft formwork
- 4 Components

# BR shaft platforms

## Safe support for inside shaft formwork

### Application

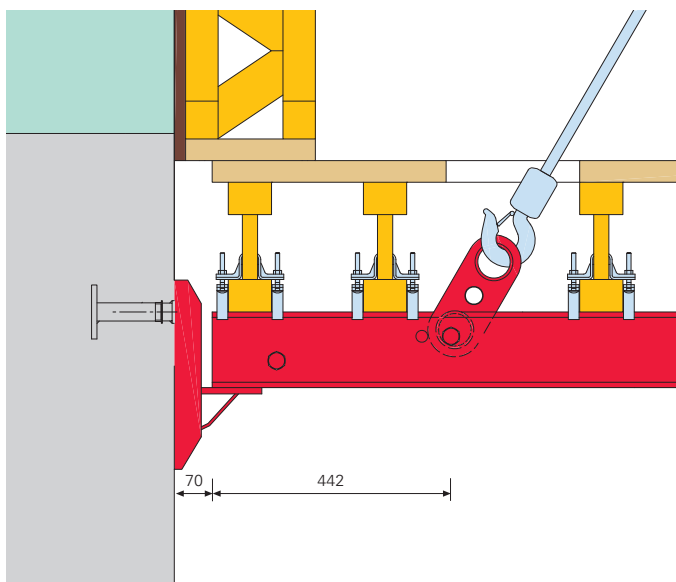


The BR shaft platform serves as support for inside shaft formwork panels. It consists of Platform Beams BR exactly tailored to the size of the particular shaft. The planking is supported by Girders GT 24 or timbers attached by hook straps to the Platform Beam.

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.

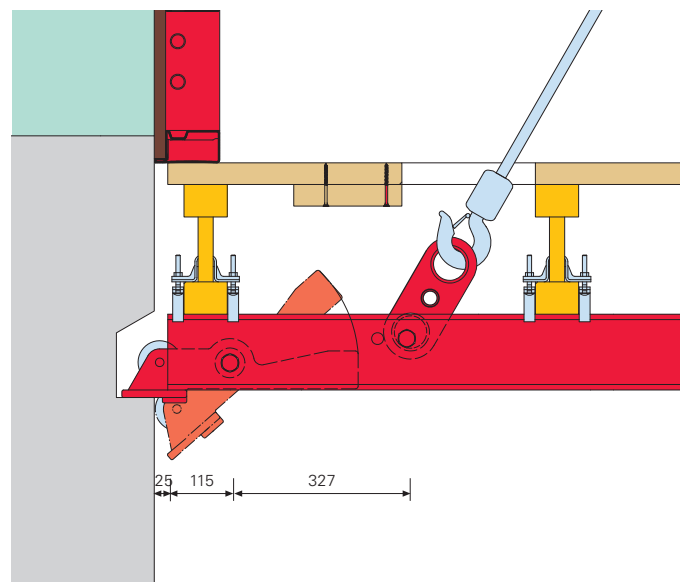
**Support on Folding Bracket 25**

Perm. load-bearing capacity 25 kN



**Support on gravity pivot plate**

Perm. load-bearing capacity max. 38 kN



**Assembly sequence**

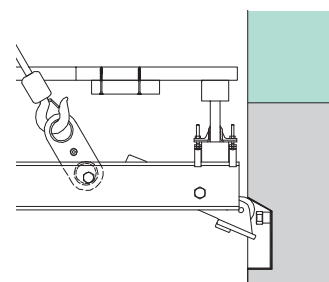
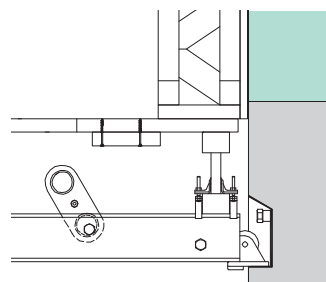
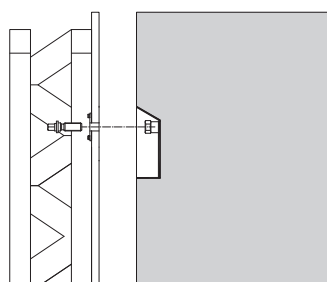
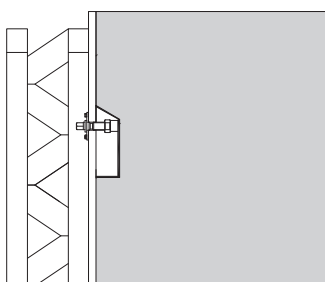
**Platform Beam BR with gravity pivot plate**

1. Bearing Box BR installed

2. Struck

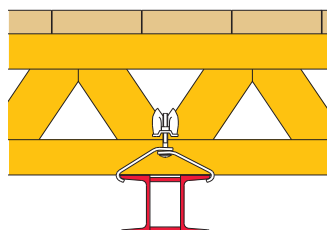
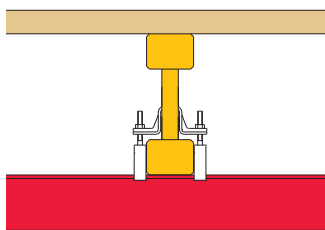
3. Platform supported

4. Platform lifted

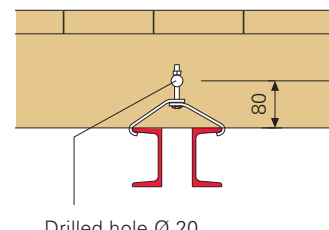
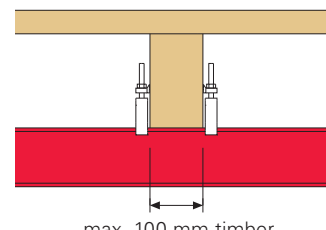


**Installation of platform decking**

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

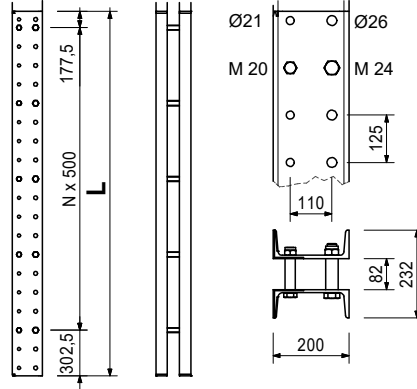
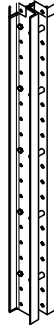


Item no.	Weight kg		L [mm]
135990	105.000	<b>CLIMBING RAIL RCS 198</b>	1980
109469	130.000	<b>CLIMBING RAIL RCS 248</b>	2480
112102	156.000	<b>CLIMBING RAIL RCS 298</b>	2980
109470	182.000	<b>CLIMBING RAIL RCS 348</b>	3480
112141	209.000	<b>CLIMBING RAIL RCS 398</b>	3980

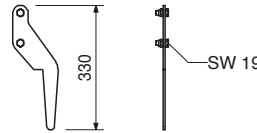
Steel profile for all-purpose use of climbing application or civil constructions.

**Notes**

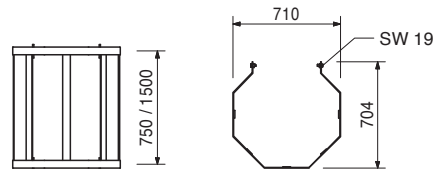
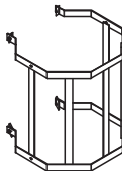
Wy = 357.6 cm<sup>3</sup>, Iy = 3576 cm<sup>3</sup>.



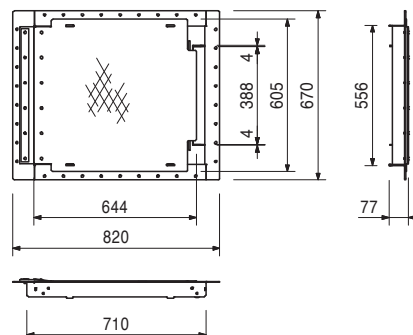
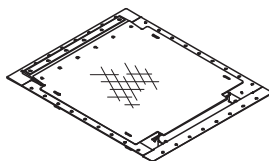
103718	0,684	<b>Ladder Hook, galv.</b> For adjusting the bottom ladder. Always use in pairs.	<b>Complete with</b> 2 pc. 710266 Bolt ISO 4017 M12 x 25-8.8, galv. 2 pc. 710381 Nut ISO 7042 M12-8, galv.
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104132	15,600	<b>Ladder Safety Cages, galv.</b>	<b>Complete with</b>
051450	25,200	<b>Ladder Safety Cage 75, galv.</b> <b>Ladder Safety Cage 150, galv.</b> Ladder safety cage for PERI access ladders.	4 pc. 710266 Bolt ISO 4017 M12 x 25-8.8, galv. 4 pc. 701763 Clamping Plate FI 25 x 10 x 90



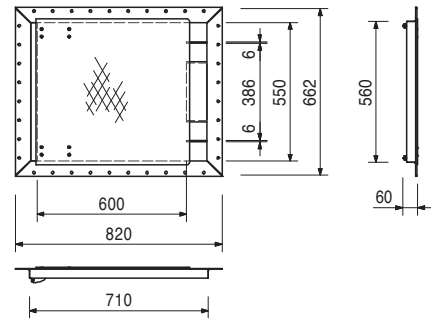
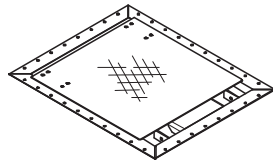
126431	12,400	<b>Hatch 55 x 60-2, foldable</b> Self-Closing hatch for ladder accesses. Clear opening approx. 55 x 60 mm ladder fixation with bolts or by hanging up.	
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Item no.	Weight kg
110608	15,600

**Hatch 55 x 60, foldable**

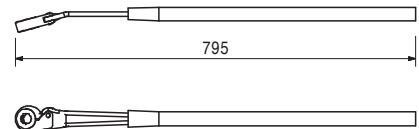
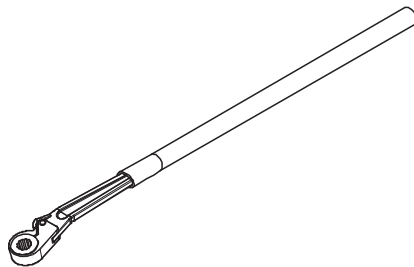
Self-locking hatch opening for access ladders.  
Clear opening dimensions approx. 55 x 60 cm.



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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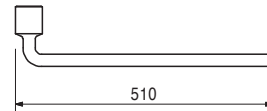
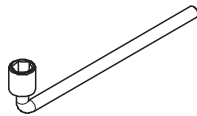
Accessories

**Insert Socket SW 19**

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

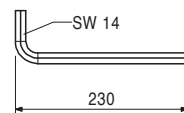
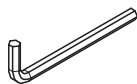
For various purposes.



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

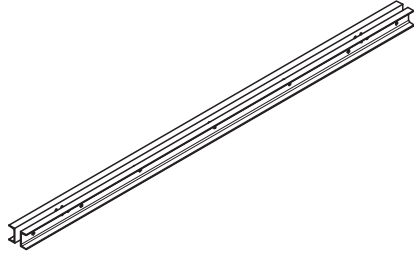
Fits to PERI Anchor Positioning Stud and Allen key bolts M16.



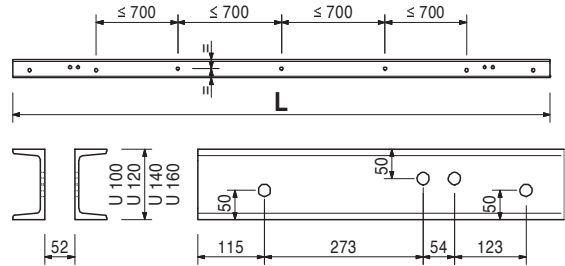
Item no.	Weight kg
020320	21,800
020510	27,400
020310	32,800
020520	38,600

- 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

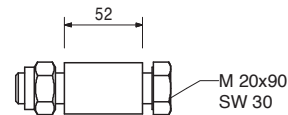
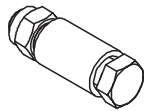
- Accessories
- Spacer for Platform Beam BR**
  - Crane Eye BR 2.5 t**
  - Folding Bearing Plate 25**
  - Gravity Pivot Plate BR**

020620	0,561
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**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.

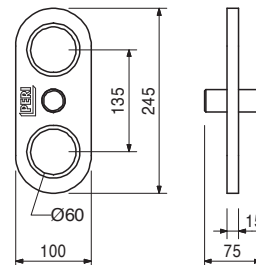
**Note**  
Spacing maximum 700 mm.  
Number required depends on length of platform beam. Wrench size SW 30.



105401	2,210
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**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

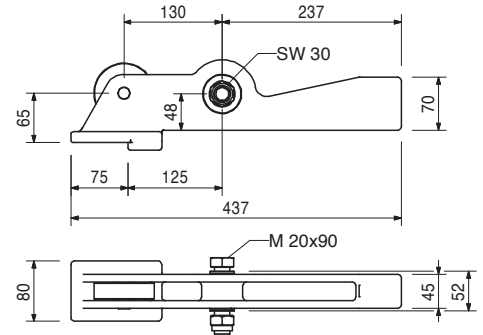
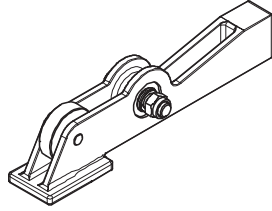
1 pc. 710226 Bolt ISO 4014 M20 x 90-8.8, galv.  
1 pc. 781053 Nut ISO 7042 M20-8, galv.

### Note

Wrench size SW 30.

### Technical Data

Permissible load: see PERI product information.



108162	1,800
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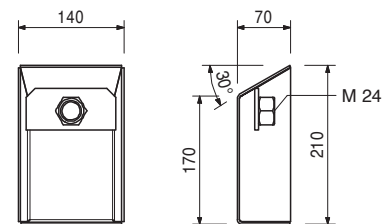
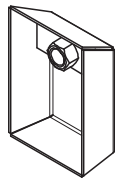
Accessories

### Bearing Box BR

108162	1,610
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### Bearing Box BR

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



029270	0,331
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Accessories

### Advancing Bolt M24, galv.

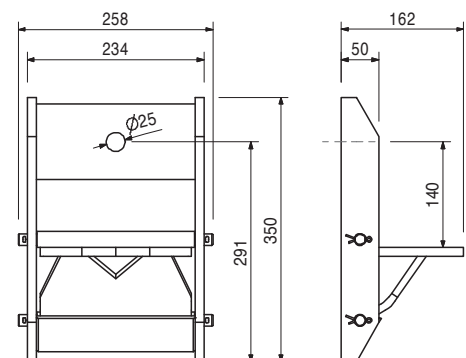
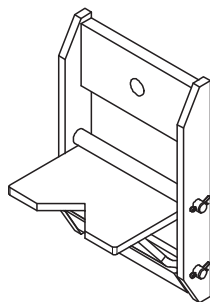
020330	12,100
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### Folding Bearing Plate 25

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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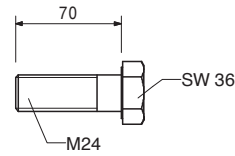
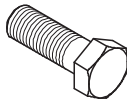
Accessories

### 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.

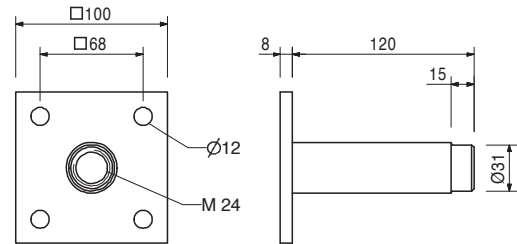
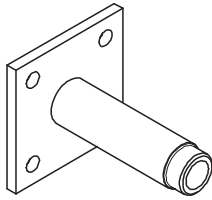
**Note**  
Wrench size SW 36.



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

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



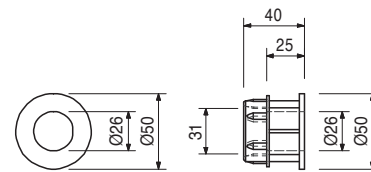
Accessories

026240	0,026
026250	0,005

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

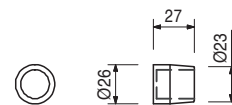
026240	0,026
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**Spacer PP Ø 31/26, C = 25**  
Results in a concrete cover of 25 mm.



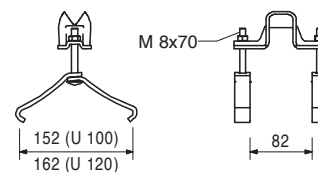
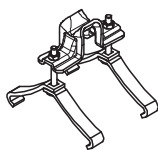
026250	0,005
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**Plug Ø 26 mm for Anchor Sleeve M24**  
For closing the cone for Anchor Sleeve M24.



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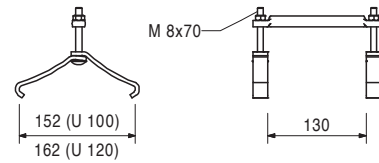
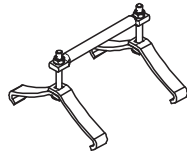
**Hook Strap HB 24-100/120, galv.**  
For fixing GT 24 Girders to Steel Walers SRZ, SRU and BR: U100 – U120.



Item no.	Weight kg
024860	0,616

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

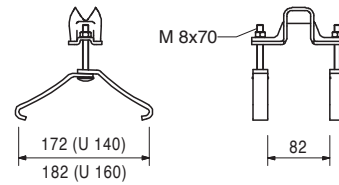
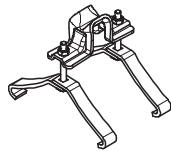
For fixing GT24 Girders independant from girder node and timber beams to Steel Walers SRZ, SRU and BR: U100 – U120.



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.



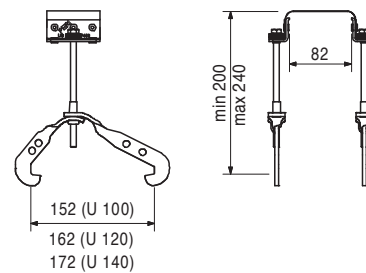
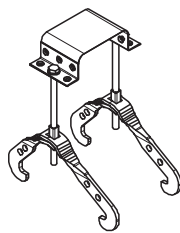
104931	0,865
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### Hook Strap Uni HBU 20-24

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
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### Accessories

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

# CB Climbing Formwork, BR Shaft Platform



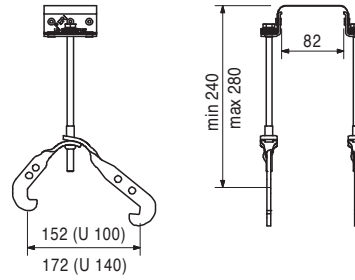
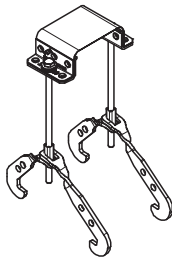
Item no.	Weight kg
103845	0,893

## 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

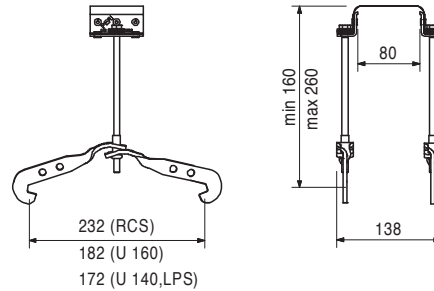
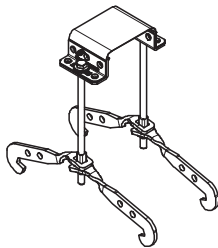
024540	0,005
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**TSS-Torx 6 x 40, galv.**

111806	0,921
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## 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.

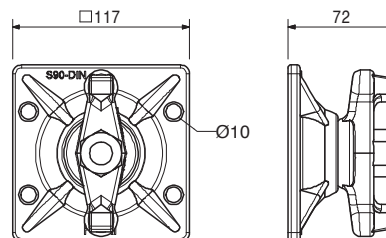
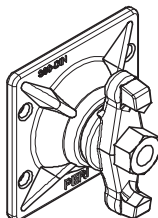
For anchoring with Tie Rod DW 15 and B 15. With pivoting captive nut. Maximum angle of tilting 8°.

## Note

Wrench size SW 27.

## Technical Data

Permissible load 90 kN.



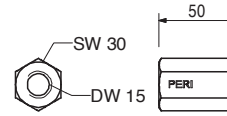
# CB Climbing Formwork, BR Shaft Platform



Item no.	Weight kg
030070	0,222

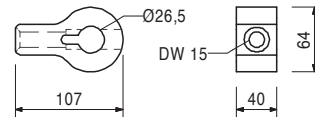
**Hex. Nut DW 15 SW 30/50, galv.**  
For anchoring with Tie Rod DW 15 and B 15.

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



115378	1,080
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**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

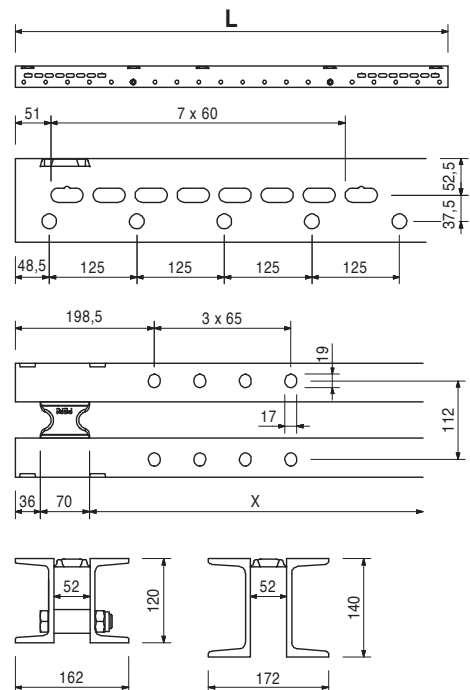
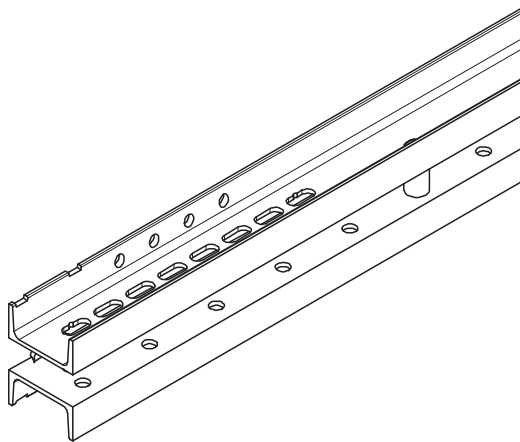
**Fitting Pin Ø 21 x 120**  
**Fitting Pin Ø 26 x 120**

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  $W_y = 172.8 \text{ cm}^3$ ,  $I_y = 1210 \text{ cm}^4$ .



# The optimal System for every Project and every Requirement



Wall Formwork



Column Formwork



Slab Formwork



Climbing Systems



Tunnel Formwork



Bridge Formwork



Shoring Systems



Construction Scaffold



Facade Scaffold



Industrial Scaffold



Access



Protection Scaffold



System-Independent Accessories



Services



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