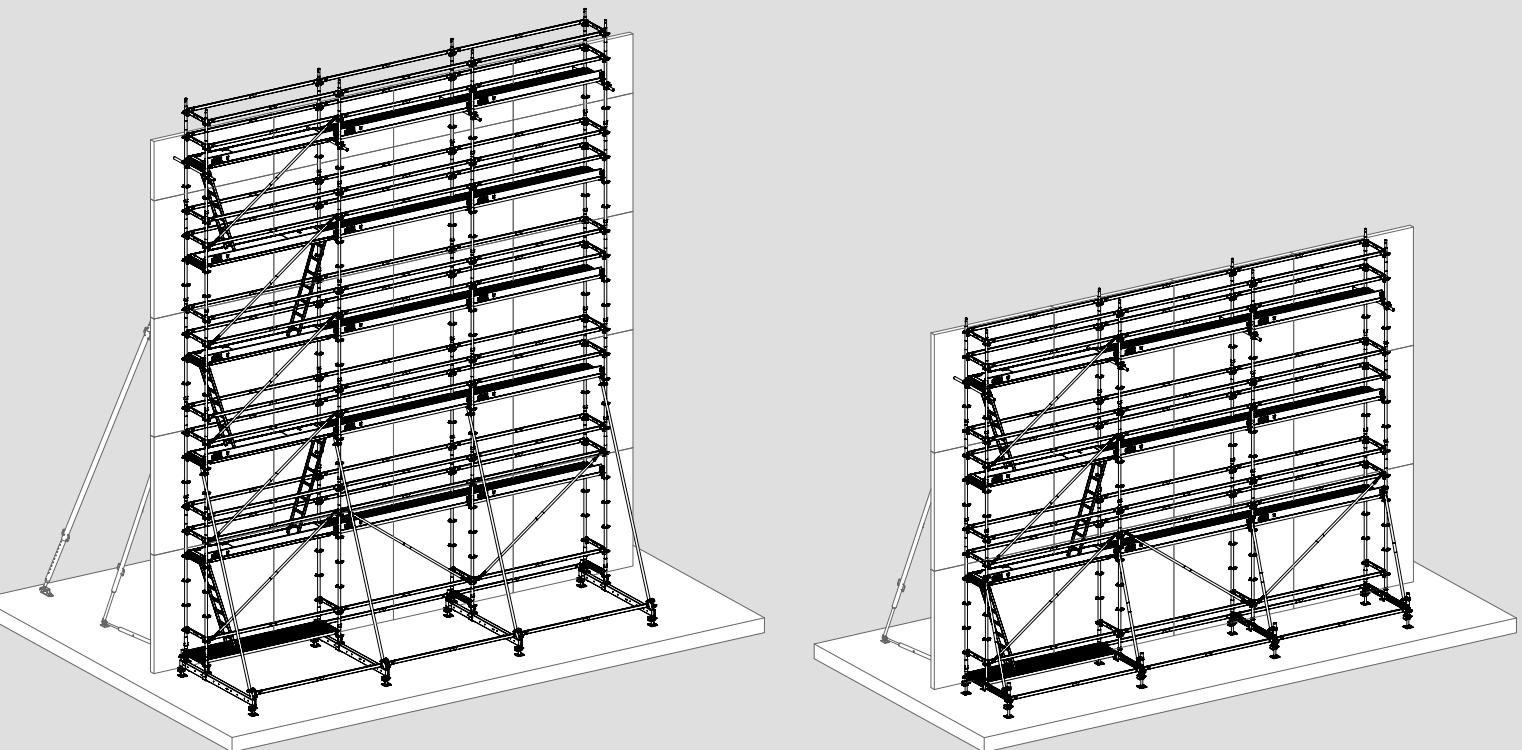


PERI UP Rosett

Reinforcement Scaffold with Deck UDS

Assembly Instructions for Standard Configuration



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Key



Safety Instructions



Note



Visual Check



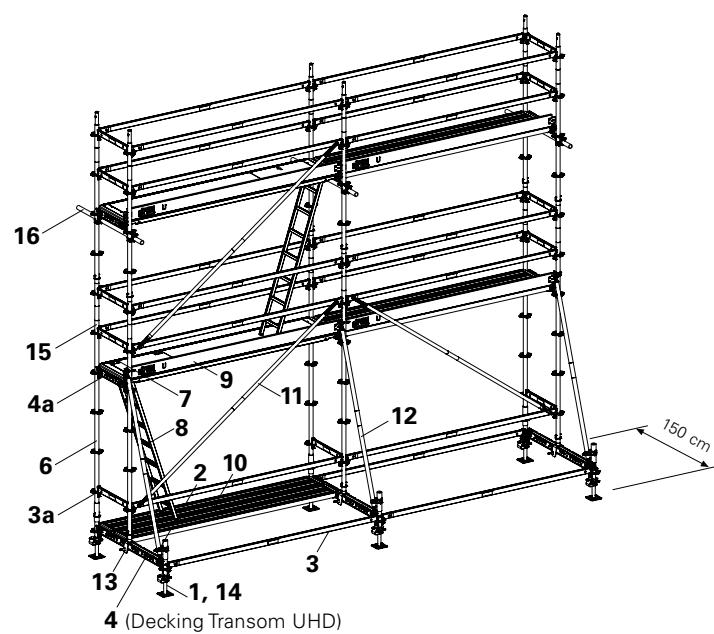
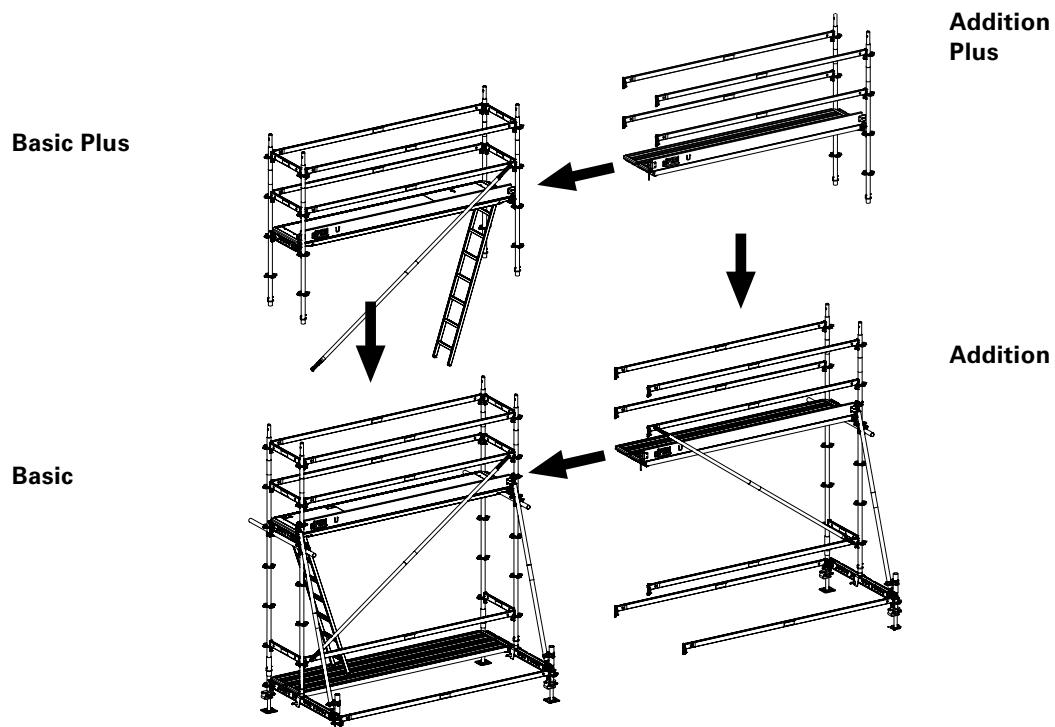
Tip



Load-bearing point

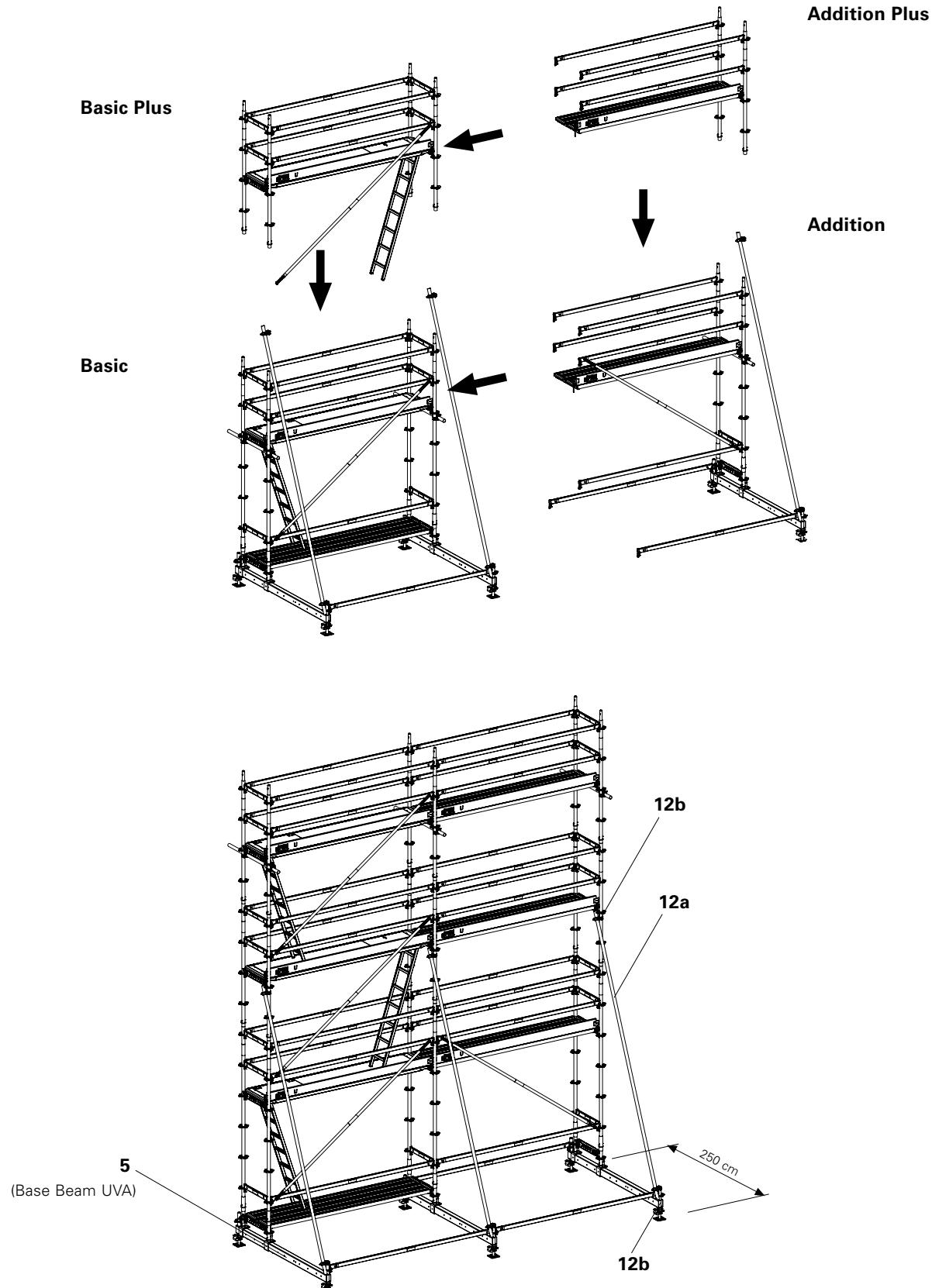
Overview

Base Width 150, Decking Transom UHD



Overview

Base Width 250, Base Beam UVA



Overview

Main components

- 1** Adjustable Base Plate UJB
- 2** Base Standard UVB 24
- 3** Ledger UH
- 3a** Ledger UH 72
- 4** Decking Transom UHD 150
- 4a** Decking Transom UHD 72
- 5** Base Beam UVA 250
- 6** Standard UVR
- 7** Access Deck UAL /Access Deck with Ladder UAL
- 8** Ladder UEL
- 9** Toeboard Wood UPT
- 10** Steel Deck UDS
- 11** Ledger Brace UBL
- 12** Coupler Brace UBC
- 12a** Scaffold Tube Ø 48.3 x 3.2 mm
- 12b** Couplers
- 13** Decking Transom Spigot UES
- 14** Handle Lock UJS
- 15** Locking Pin 48/57
- 16** Pressure-Resistant Tie

Introduction

Standard configuration

General

These Assembly Instructions apply together with the Approval No. Z-8.22-863 "PERI UP Rosett Modular System".

They describe the standard configuration for reinforcement scaffold as a means of access for temporary work to be carried out on working areas situated off the ground.

Features

It is based on PERI UP modular scaffold with supplementary components.

For use as working scaffold in:

Scaffold Group 1-3
according to DIN 4420-1 and
Load Class 1-3
according to EN 12811-1

0.75-2.00 kN/m²

Fulfils wind load requirements according to DIN EN 1004 and DIN EN 12811 for temporary working areas:

- Free-standing scaffold and scaffold with a base width of 150 cm:
 $q = 0.1 \text{ kN/m}^2$ ($v = 12.7 \text{ m/s}$)
- Scaffold with a base width of 250 cm:
 $q = 0.2 \text{ kN/m}^2$ ($v = 17.9 \text{ m/s}$) and assembly variations with up to 3 bays in a longitudinal direction.

Ballast is not required as long as the scaffolding is positioned in front of a wall or formwork, and can be supported by this. Crane-moveable units through very tight connections.

System dimensions

System widths: 72 cm and 104 cm

Storey height: 200 cm

Scaffold bay lengths: 150/200/250/300 cm

Max. height with:

Base width 150 cm: $H \leq 6.60 \text{ m}$

Base width 250 cm: $H \leq 10.80 \text{ m}$

(H = underside of spindle up to level of top deck)

Intended use

1. PERI products have been designed for use in the industrial and commercial sectors by suitably trained personnel.

2. These assembly instructions serve as the basis for the project-related risk assessment and the instructions for the provision and use of the system by the contractor (user). However, they do not replace these.

3. Only PERI original components may be used. The use of other products and spare parts represents a misapplication with associated safety risks.

4. The components are to be inspected before each use to ensure that they are in perfect condition and function correctly.

5. Changes to PERI components are not permitted and represent a misapplication with associated safety risks.

6. Safety instructions and permissible loads must be observed at all times.

7. Components provided by the contractor must conform with the characteristics required in these Assembly Instructions as well as all valid construction guidelines and standards.

In particular, the following apply if nothing else is specified:

- timber components: Strength Class C24 for Solid Wood EN 338.
- scaffold tubes: galvanised steel tubing with minimum dimensions $\varnothing 48.3 \times 3.2 \text{ mm}$ according to EN 12811-1:2003 4.2.1.2.
- scaffold tube couplings according to EN 74.

8. Deviations from the standard configuration may only be carried out after a separate risk assessment has been completed by the contractor (user). On this basis, appropriate measures for the working safety and stability are to be implemented.

Introduction

Safety instructions

General

1. Deviations from the standard configuration and/or intended use present a potential safety risk.
2. All country-specific laws, standards and other safety regulations are to be taken into account whenever our products are used.
3. During unfavourable weather conditions, suitable precautions and measures are to be taken in order to ensure both working safety and stability.
4. The contractor (user) must ensure the stability throughout all phases of construction. He must ensure and verify that all loads which occur are safely transferred.
5. The contractor (user) has to provide safe working areas for site personnel which are to be reached through the provision of safe access ways. Areas of risk must be cordoned off and clearly marked. Hatches and openings on accessible working areas must be kept closed during working operations.
6. For better comprehensibility, detailed drawings are partly incomplete. The safety installations which have possibly not been featured in these detailed drawings must nevertheless be available.

Storage and Transportation

1. Do not drop the components.
2. Store and transport components so that no unintentional change in their position is possible. Detach lifting gear from the lowered units only if these are in a stable position and no unintentional change is possible.
3. When moving the components, make sure they are lifted and set down so that any unintentional tilting over, falling apart, sliding or rolling away are avoided.
4. Use only suitable load-carrying equipment to move the components as well as the designated load-bearing points.
5. During the lifting and moving procedure, ensure all loose parts are removed or secured.
6. During the moving procedure, always use a guide rope.
7. Move components on clean, flat and sufficiently load-bearing surfaces only.

System-specific

1. Only use designated PERI lifting gear.
2. In the case of a storm warning, additional measures are to be taken to supplement the available information.

General

Additional PERI product information

- Approval No. Z-8.22-863
- “PERI UP Rosett” modular system

The structures shown in these assembly instructions are examples and feature only one component size. They are valid accordingly for all component sizes contained in the standard configuration.

Introduction

Classification

For the realisation of the work, the following identification markings in particular are to be taken into consideration: If certain parts of the scaffolding are not ready for use – especially during assembly, modification work and dismantling, a "No entry" warning sign restricting access must be clearly displayed (see Sign 1).

In addition, it must be made clear through appropriate physical means that the scaffold is not fully erected and may not be accessed.



Sign 1

Assembly Certificate To be completed by the supervisor	
Installation location _____	Position _____
Client _____	Scaffolder _____
Scaffold _____	Date _____
Signature _____	
Working scaffold according to EN 12811, for Load Class	
<input type="checkbox"/> KNM ²	<input checked="" type="checkbox"/> <small>max height over 1.50 m min height over 2.20 m max width 1.20 m</small>
<input type="checkbox"/> Width Class V	<input type="checkbox"/> <small>W0: 0.6 < w ≤ 0.9m W0: 0.9 < w ≤ 1.2m W12-W24 w ≥ 1.2m</small>
Handing-Over Certificate To be completed by the inspecting person	
Name _____	Signature _____
Date, Time _____	Remarks _____

Sign 2

After handover, the scaffold access points are to be marked in such a way so that the intended use is clearly visible (Sign 2). The signs do not replace the inspection record!

Inspection and hand-over

The erected scaffolding must be inspected by the scaffold contractor in order to determine that assembly has been carried out correctly. If the scaffolding contractor is convinced that the scaffold has been correctly erected, he can then hand it over to the user. It is advisable to carry out the hand-over together with the user and, for example, document this in a written report.

During the hand-over, the scaffolding contractor must advise the user of the possible risks involved with non-intended use and his obligation to provide adequate prevention against risk and danger!

A1 Assembling the base with Decking Transom UHD



Risk of tipping!

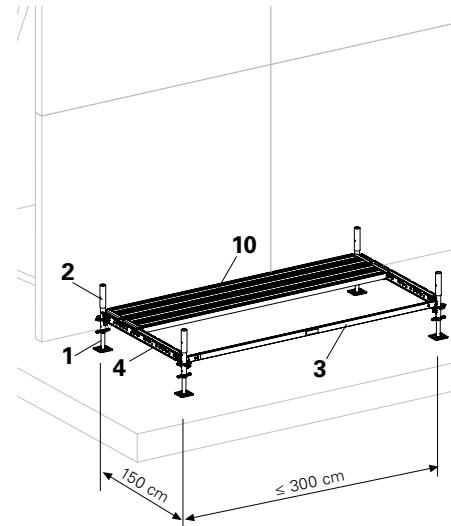
Assembly of the reinforcement scaffold must always take place in front of a wall or secure formwork units!

A1.1 Base level

1 Adjustable Base Plate UJB	4 pcs.
2 Base Standard UVB 24	4 pcs.
3 Ledger UH	2 pcs.
4 Decking Transom UHD 150	2 pcs.
10 Steel Deck UDS	2 pcs.

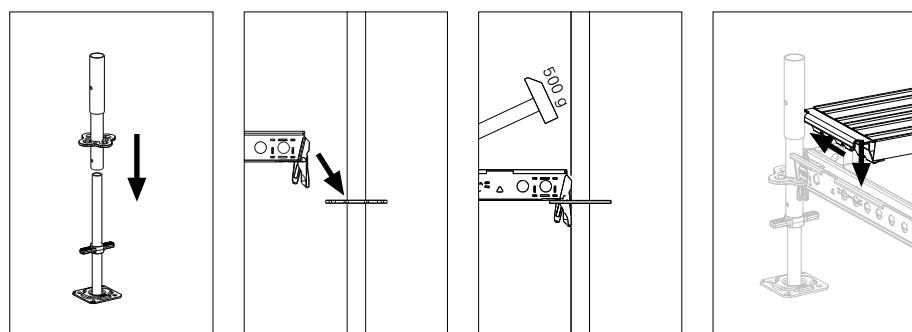
Assembly

1. Place Decking Transom Spigot UES on the Decking Transom UHD 150, do not yet secure wedges for alignment.
2. Insert Standards UVR. Align standards according to drilled holes, see "Moving by crane".
3. Mount Ledger UH and fix securely.
4. Securely fix wedges for the Decking Transom Spigots UES.
5. Mount Decking Transom UHD 72 and securely fix. The red point is facing outwards.



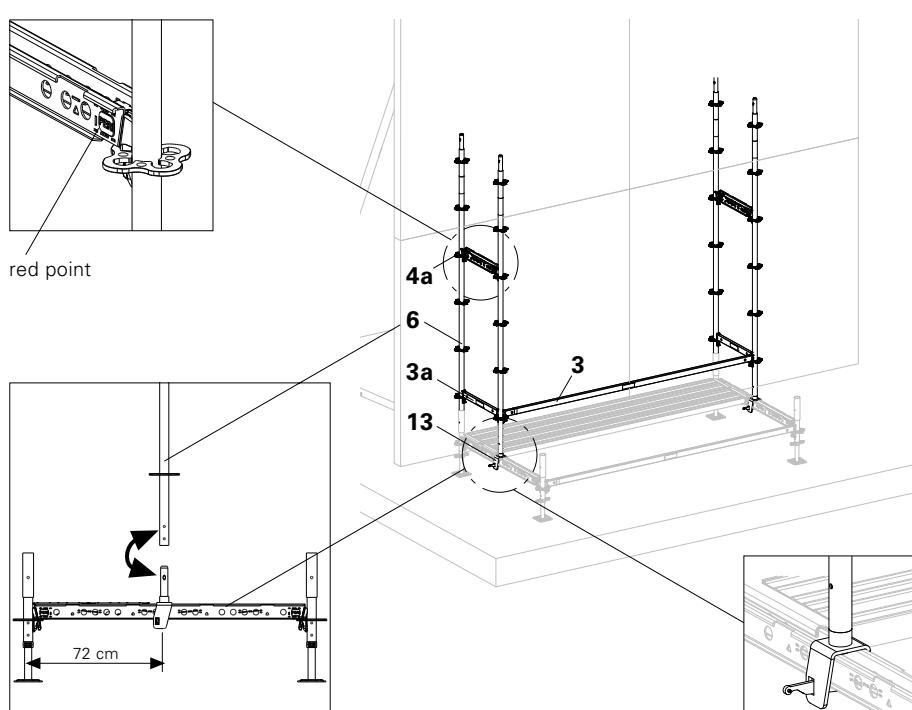
Assembly

1. Assemble frame.
2. Horizontally align frame by adjusting the Adjustable Base Plates. Max. spindle adjustment range for
 - Adj. Base Plate UJB 38-50/30: ≤ 26 cm
 - Adj. Base Plate UJB 38-80/55: ≤ 39 cm
3. Securely fix all the wedges on the ledgers using a 500 g hammer.
4. Install Steel Deck UDS in the Decking Transom UHD 150. Push deck as far as possible in a lateral direction in order to secure against lifting.



A1.2 Standards and ledgers

13 Decking Transom Spigot UES	2 pcs.
6 Standard UVR 300	4 pcs.
3 Ledger UH	1 pc.
3a Ledger UH 72	2 pcs.
4a Decking Transom UHD 72	2 pcs.



A1 Assembling the base with Decking Transom UHD

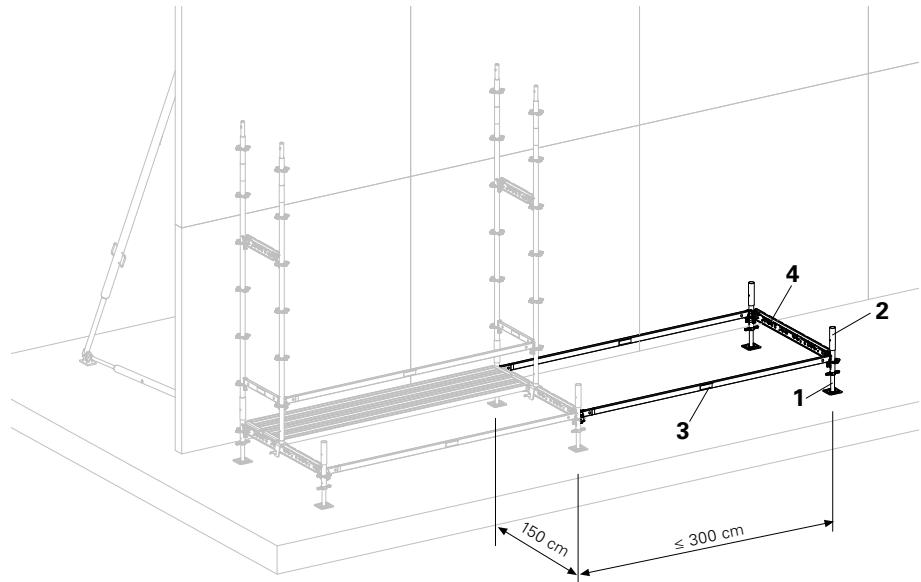
The base unit scaffolding can be extended by up to 2 additional bays.
Width of each bay: ≤ 300 cm.

A1.3 Additional bays

1	Adjustable Base Plate UJB	2 pcs.
2	Base Standard UVB 24	2 pcs.
3	Ledger UH	2 pcs.
4	Decking Transom UHD 150	1 pc.

Assembly

1. Place Adjustable Base Plates in Base Standards and attach Ledger UH to the rosettes.
2. Mount on base level.
3. Horizontally align frame by adjusting the Adjustable Base Plates.
4. Securely fix all the wedges on the ledgers using a 500 g hammer.

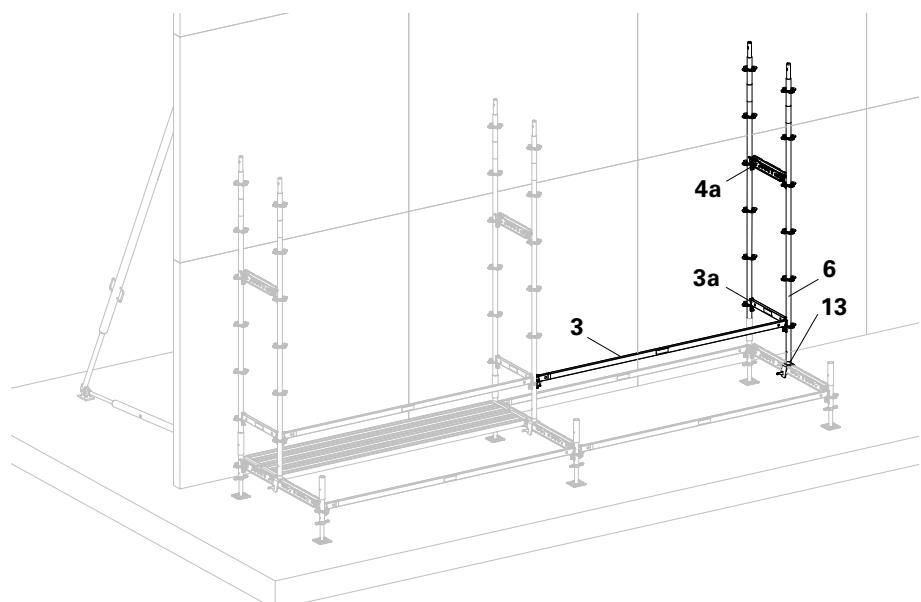


A1.4 Standards and ledgers

13	Decking Transom Spigot UES	1 pc.
6	Standard UVR 300	2 pcs.
3	Ledger UH	1 pc.
3a	Ledger UH 72	1 pc.
4a	Decking Transom UHD 72	1 pc.

Assembly

1. Place Decking Transom Spigot UES on the Decking Transom UHD 150, do not yet secure wedges for alignment.
2. Insert Standards UVR.
3. Mount Ledger UH and fix securely.
4. Securely fix wedges for the Decking Transom Spigots UES.
5. Mount Decking Transom UHD 72 and securely fix. The red point is facing outwards.



A1 Assembling the base with Decking Transom UHD

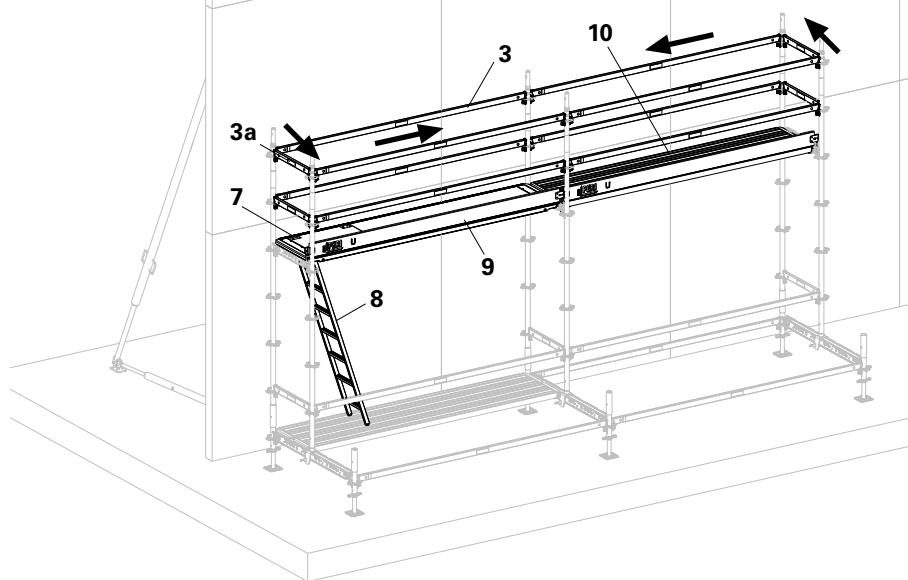
A1.5 Access decks, decking and guardrails

7 Access Deck UAL /Access Deck with Ladder UAL	1 pc.
8 Ladder UEL	1 pc.
10 Steel Deck UDS	2 pcs.
3 Ledger UH	8 pcs.
3a Ledger UH 72	4 pcs.
9 Toeboard Wood UPT	2 pcs.

Assembly

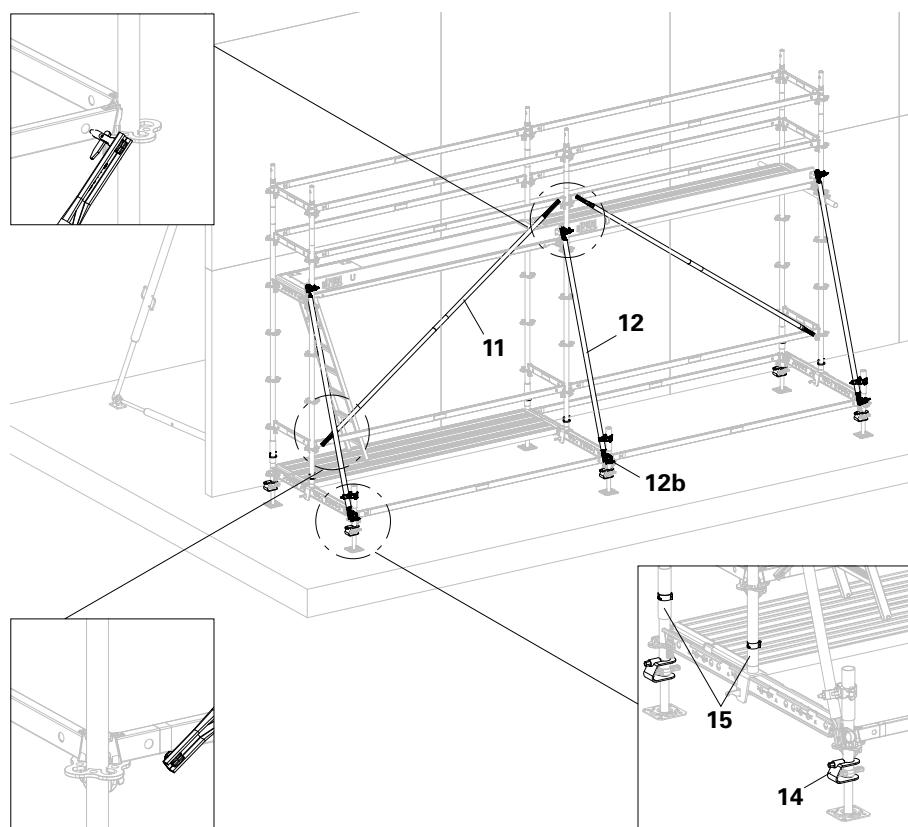
1. Secure Adjustable Base Plate UJB with Handle Lock UJS.

2. Firmly connect Base Standard UVB and Decking Transom Spigot UES with Standard UVR by means of locking pin. Attention: spindle extension depends on type of spindle.



A1.6 Stability

11 Ledger Brace UBL	2 pcs.
12 Coupler Brace UBC	3 pcs.
12b Swivel Coupling DK 60/48	3 pcs.



Moving by crane

14 Handle Lock UJS	6 pcs.
15 Locking Pin 48/57	6 pcs.

A2 Erecting additional levels

Basic Plus / Addition Plus

The next level is installed on the basis of Basic Plus and Addition Plus extension units.

A2.1 Standards and ledgers

6	Standard UVR 200	6 pcs.
4a	Decking Transom UHD 72	3 pcs.

Assembly

1. Insert Standards UVR.
2. Attach Decking Transom UHD and securely fix. The red point is facing outwards.

A2.2 Access decks, decking and guardrails

7	Access Deck UAL /Access Deck with Ladder UAL	1 pc.
8	Ladder UEL	1 pc.
10	Steel Deck UDS	2 pcs.
3	Ledger UH	8 pcs.
3a	Ledger UH 72	4 pcs.
9	Toeboard Wood UPT	2 pcs.
11	Ledger Brace UBL	1 pc.

Assembly

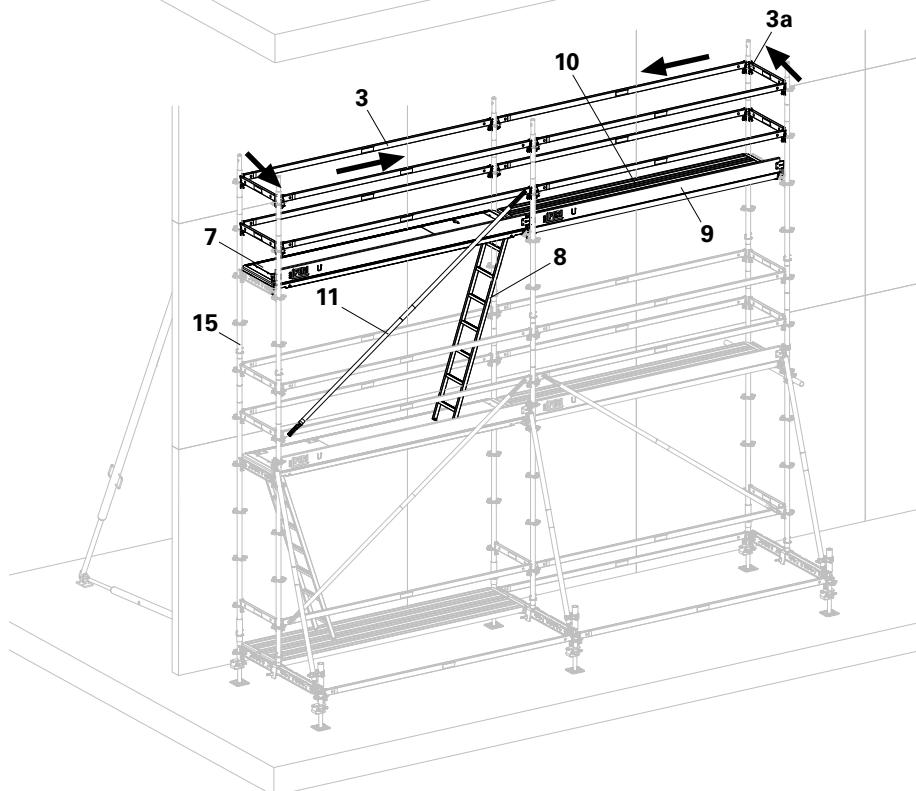
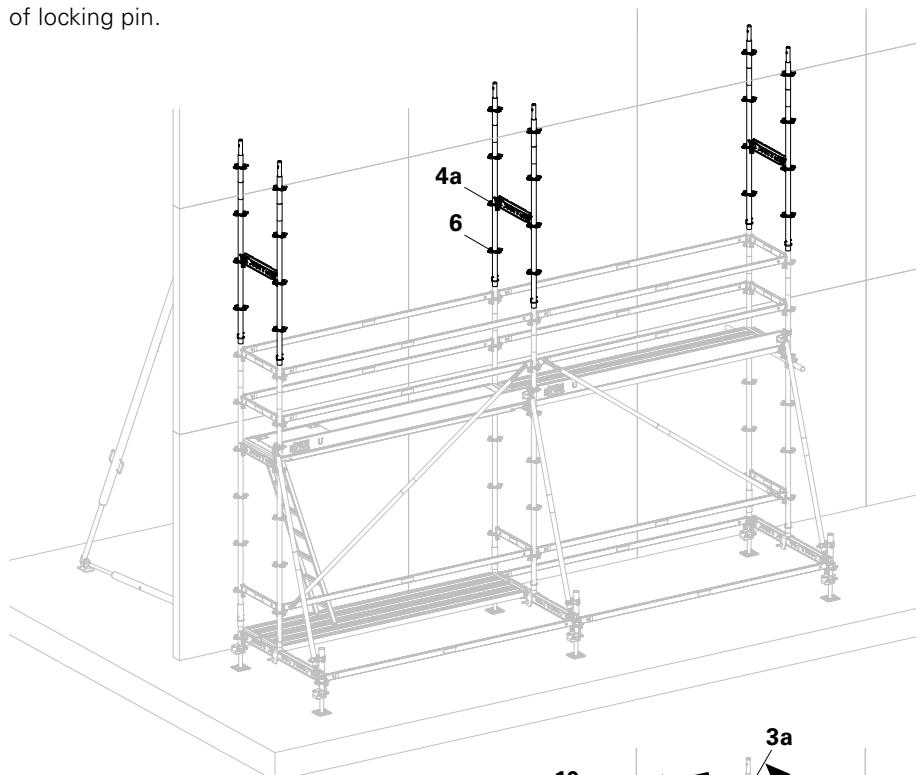
1. Mount Access Deck UAL and Steel Deck UDS from below. Push as far as possible in a lateral direction in order to secure against lifting.
2. Attach Ladder UEL and fold out.
3. From the ladder: attach Ledger UH 72 and UH to the outer side. From the deck: mount ledgers as guardrails all the way round from the outside to the inside. Securely fix the wedges.
4. Attach Toeboards Wood UPT on the outside in the Decking Transom UHD.
5. Insert Ledger Brace UBL with the lower finger in the bottom Ledger UH. Insert the gravity pin in the holes of the top ledger, turn pin to secure.

Moving by crane

15	Locking Pin 48/57	6 pcs.
-----------	-------------------	--------

Assembly

Firmly connect Standard UVR by means of locking pin.



A2 Erecting additional levels

A2.3 Additional levels

The number of additional levels is limited to a max. height ≤ 6.60 m of the top deck level.

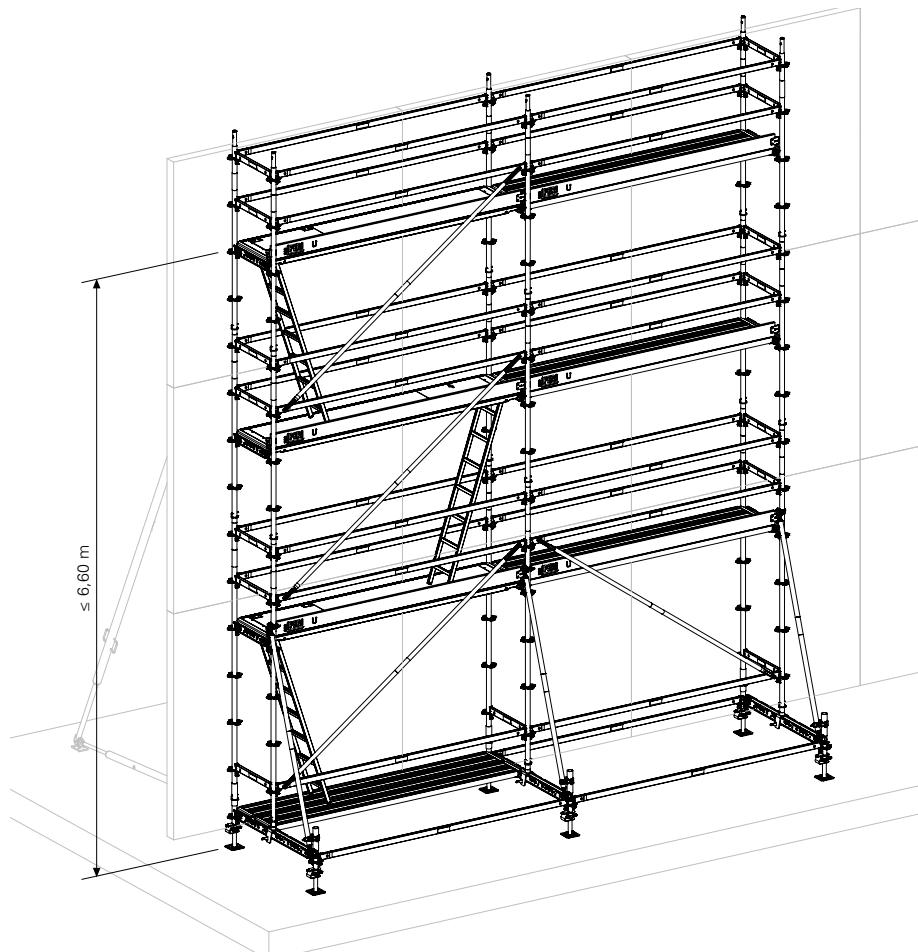
Assembly



Risk of falling!

During the assembly work, keep the hatch closed!

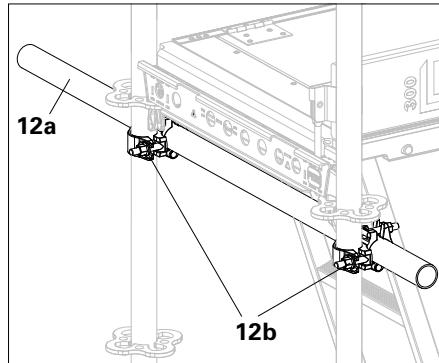
Assembly process is repeated according to steps A2.1 – A2.2.



A3 Pressure-resistant ties

With heights of 4.24 m and more, pressure-resistant ties are to be mounted on all standards – directly under the highest deck level – and positioned up against the wall or formwork.

12a Scaffold Tube Ø 48	3 pcs.
12b Standard Coupler	6 pcs.

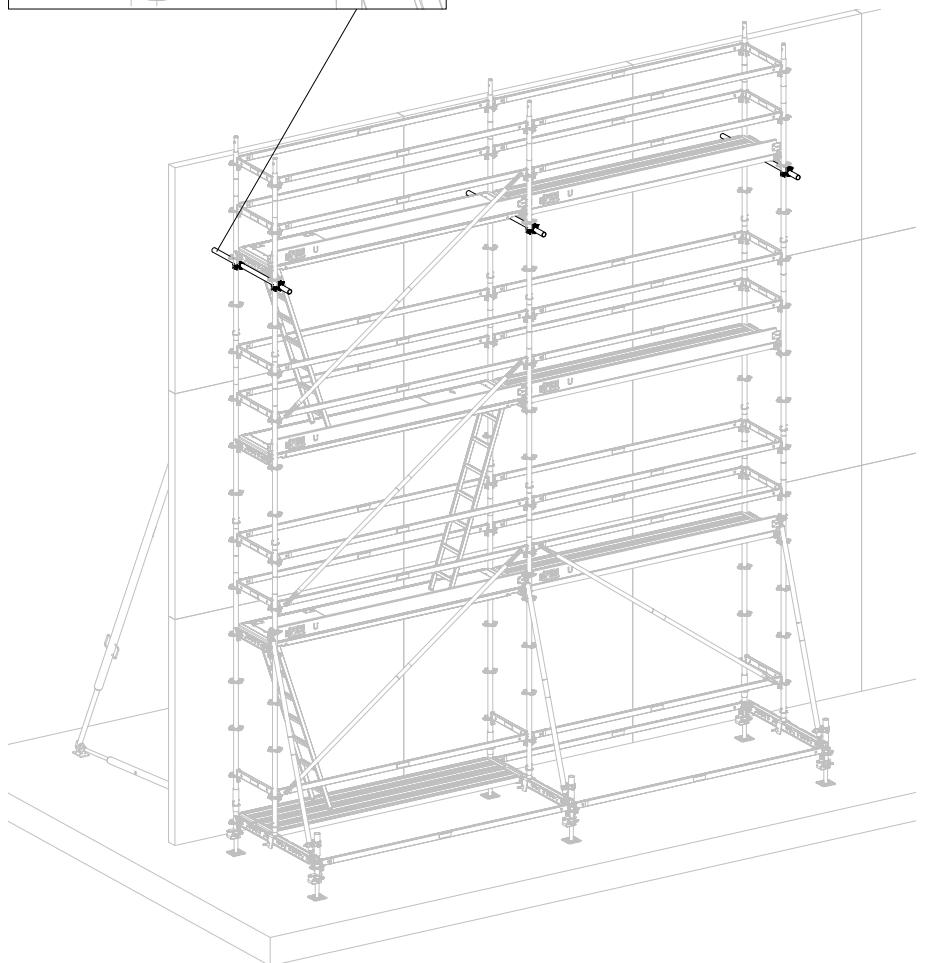


Compression forces on the wall or formwork are to be verified on site by the contractor!

Assembly

under the highest Decking Transom UHD.

1. Securely fix the scaffold tube to the Standard UVR using the standard coupler.
2. Adjust distance of scaffold tube from the wall.



A4 Dismantling

Suggestion



- The scaffolding contractor can also undertake other measures on the basis of his own risk assessment.
- Dismantling takes place from top to bottom, with personnel always in a safe position.
- Dismantling is carried out whilst progressively working back to the access ladder bay.

Dismantling procedure



Risk of falling!

During the assembly work, keep the hatch closed!

1. From position on deck level:

- begin dismantling with the Ledger UH 72 opposite the hatch
- Ledger UH on the inside and Toeboard
- outside Ledger UH, from a safe position
- Ledger Brace UBL – top – bottom and outside Ledger UH on the inside and Toeboard

2. From position on the ladder:

- outside Ledger UH and Ledger UH 72
- close hatch from below

3. From position next level below:

- fold up or remove ladder, remove top decking
- remove pressure-resistant ties
- remove Decking Transom UHD 72
- remove Locking Pin
- remove Standard UVR

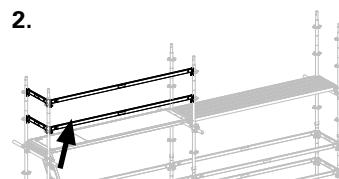
Continuously dismantle reinforcement scaffold in this sequence.

4. Dismantling the base level

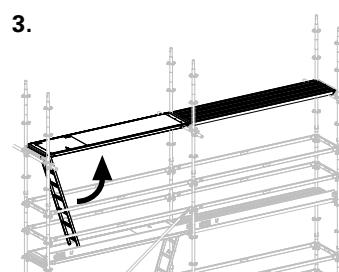
Sequence for those parts to be dismantled:

- Coupler Brace UBC
- Ledger Braces UBL
- Toeboards UPT
- Ledger UH 72 and Ledger UH
- Push decking to one side and remove
- Decking Transom UHD 72
- all other parts can be dismantled from bottom.

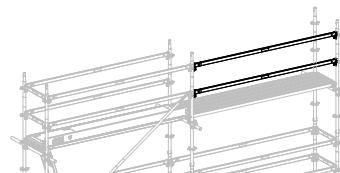
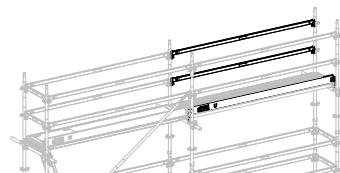
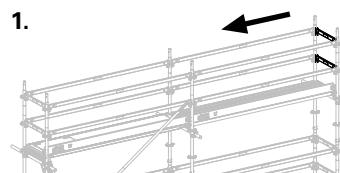
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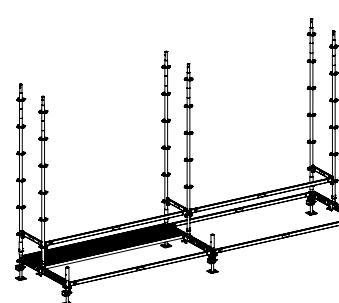
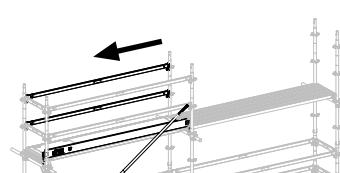
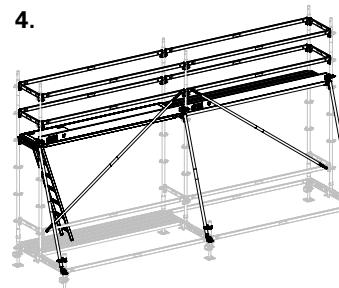
3.



1.



4.



B1 Assembling the base with Base Beam UVA



Risk of tipping!

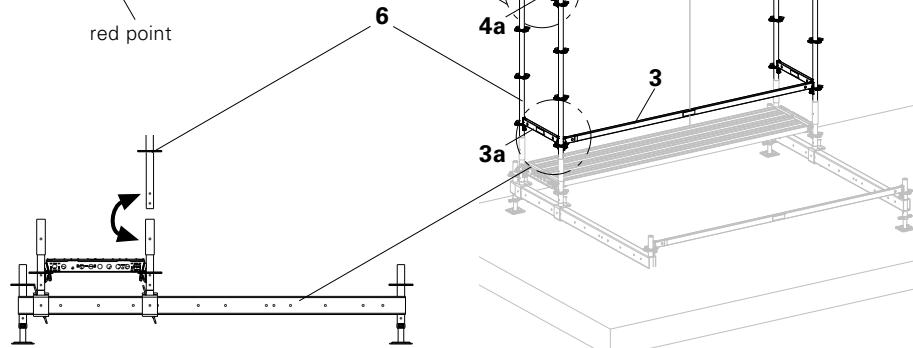
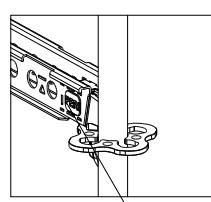
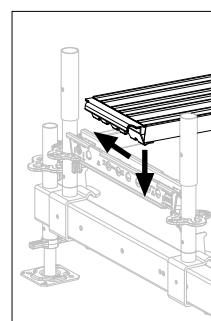
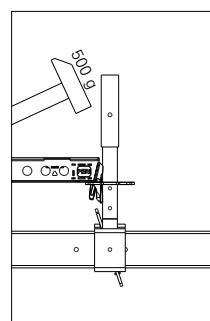
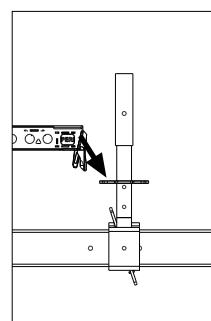
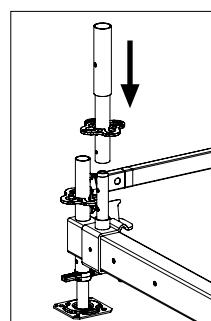
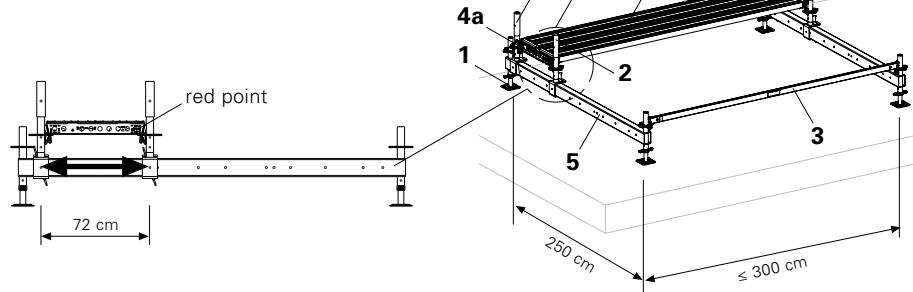
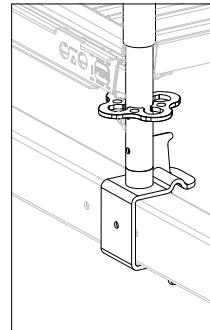
Assembly of the reinforcement scaffold must always take place in front of a wall or securely-positioned formwork!

B1.1 Base

1	Adjustable Base Plate UJB	4 pcs.
5	Base Beam UVA 250	2 pcs.
2	Base Standard UVB 24	4 pcs.
3	Ledger UH	2 pcs.
4a	Decking Transom UHD 72	2 pcs.
10	Steel Deck UDS	2 pcs.

Assembly

1. Insert Standards UVR 300. Align standards according to the drilled holes, see "Moving by crane".
2. Attach Ledgers UH and secure with hammer blow.
3. Attach Decking Transom UHD 72 and fix securely. The red point is facing outwards.



B1.2 Standards and ledgers

6	Standard UVR 300	4 pcs.
3	Ledger UH	1 pc.
3a	Ledger UH 72	2 pcs.
4a	Decking Transom UHD 72	2 pcs.

B1 Assembling the base with Base Beam UVA

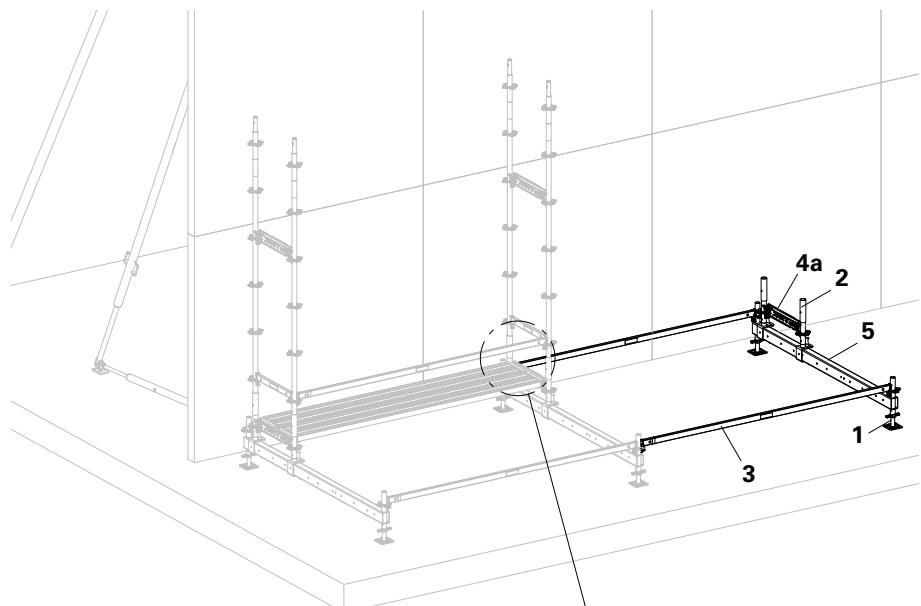
The base unit scaffolding can be extended by up to 2 additional bays.
Width of each bay: ≤ 300 cm.

B1.3 Additional bays

1	Adjustable Base Plate UJB	2 pcs.
5	Base Beam UVA 250	1 pc.
2	Base Standard UVB 24	2 pcs.
3	Ledger UH	2 pcs.
4a	Decking Transom UHD 72	1 pc.

Assembly

1. Position Adjustable Base Plates with Base Beam and attach Ledger UH to the rosettes.
2. Mount on base level.
3. Horizontally align frame by adjusting the Adjustable Base Plates.
4. Securely fix all the wedges on the ledgers using a 500 g hammer.

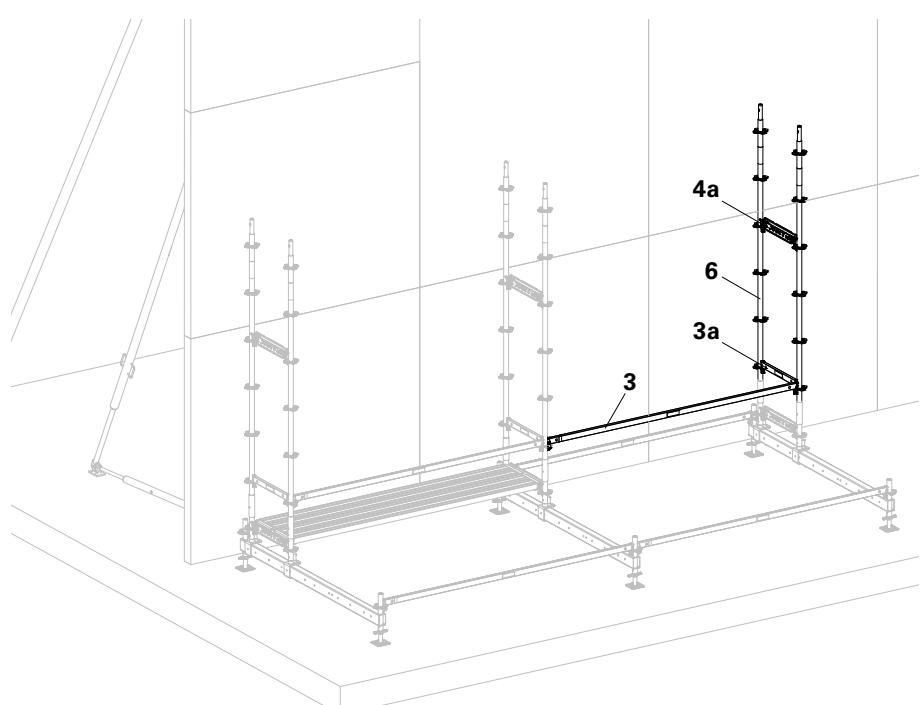


B1.4 Standards and ledgers

6	Standard UVR 300	2 pcs.
3	Ledger UH	1 pc.
3a	Ledger UH 72	1 pc.
4a	Decking Transom UHD 72	1 pc.

Assembly

1. Insert Standards UVR.
2. Attach Ledgers UH and secure with hammer blow.
3. Attach Decking Transom UHD 72 and fix securely. The red point is facing outwards.



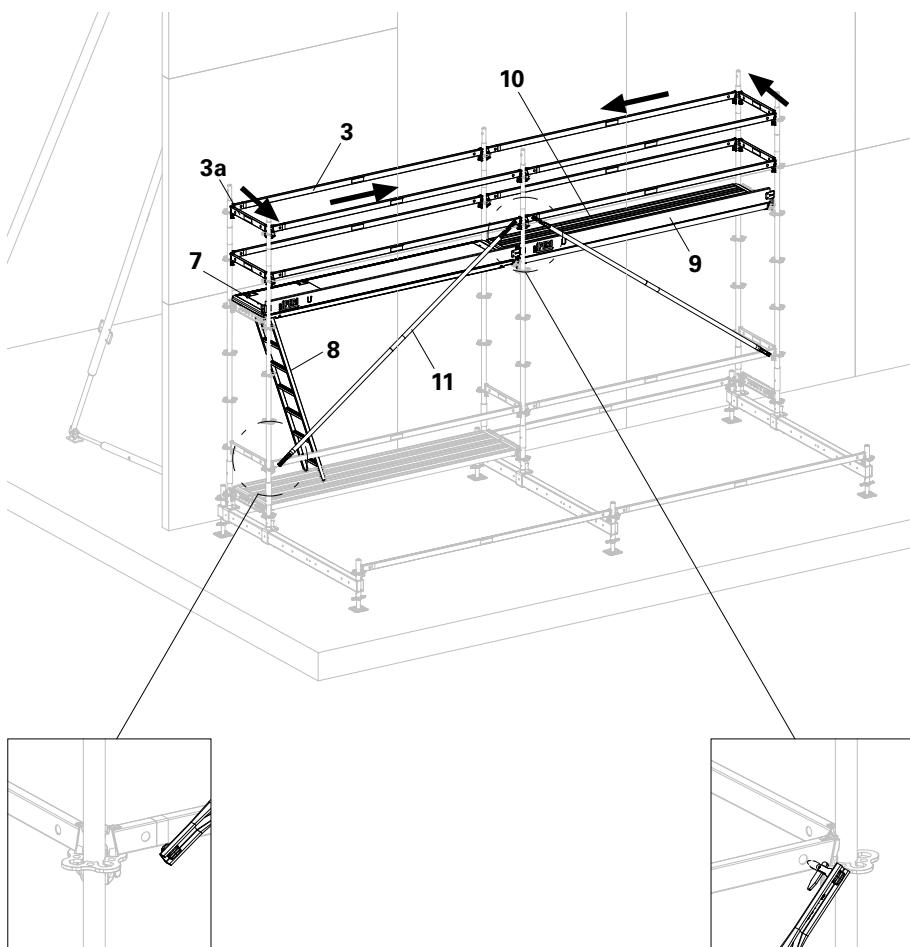
B1 Assembling the base with Base Beam UVA

B1.5 Access decks, decking and guardrails

7 Access Deck UAL /Access Deck with Ladder UAL	1 pc.
8 Ladder UEL	1 pc.
10 Steel Deck UDS	2 pcs.
3 Ledger UH	8 pcs.
3a Ledger UH 72	4 pcs.
9 Toeboard Wood UPT	2 pcs.
11 Ledger Brace UBL	2 pcs.

Assembly

1. Mount Access Deck UAL and Steel Deck UDS from below. Push as far as possible in a lateral direction in order to secure against lifting.
2. Attach Ladder UEL and fold out.
3. From the ladder: attach Ledger UH 72 and UH to the outer side. From the deck: mount ledgers as guardrails all the way round from the outside to the inside. Securely fix the wedges.
4. Attach Toeboards Wood UPT on the outside in the Decking Transom UHD.
5. Insert Ledger Brace UBL with the lower finger in the bottom Ledger UH. Insert the gravity pin in the holes of the top ledger, turn pin to secure. "From lower guardrail to lower guardrail".

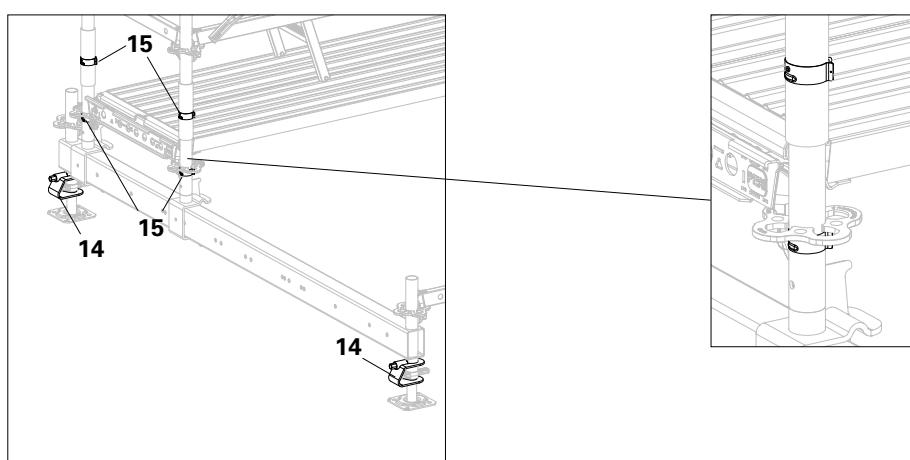


Moving by crane

14 Handle Lock UJS	6 pcs.
15 Locking Pin 48/57	12 pcs.

Assembly

1. Secure Adjustable Base Plate UJB with Handle Lock UJS.
2. Securely connect Base Standard UVB and Standard UVR with the Base Beam by means of the Locking Pin. Attention: spindle extension depends on type of spindle.



B2 Erecting additional levels

Basic Plus / Addition Plus

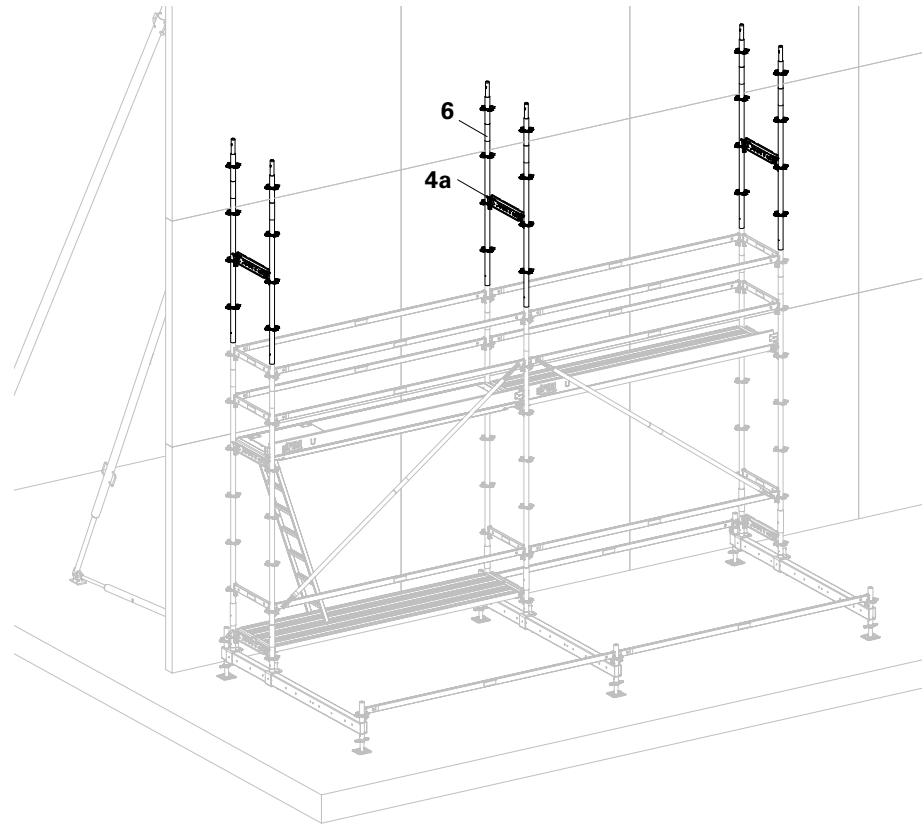
The next level is installed on the basis of Basic Plus and Addition Plus extension units.

B2.1 Standards and ledgers

6 Standard UVR 200	6 pcs.
4a Decking Transom UHD 72	3 pcs.

Assembly

1. Insert Standards UVR.
2. Attach Decking Transom UHD 72 and securely fix. The red point is facing outwards.

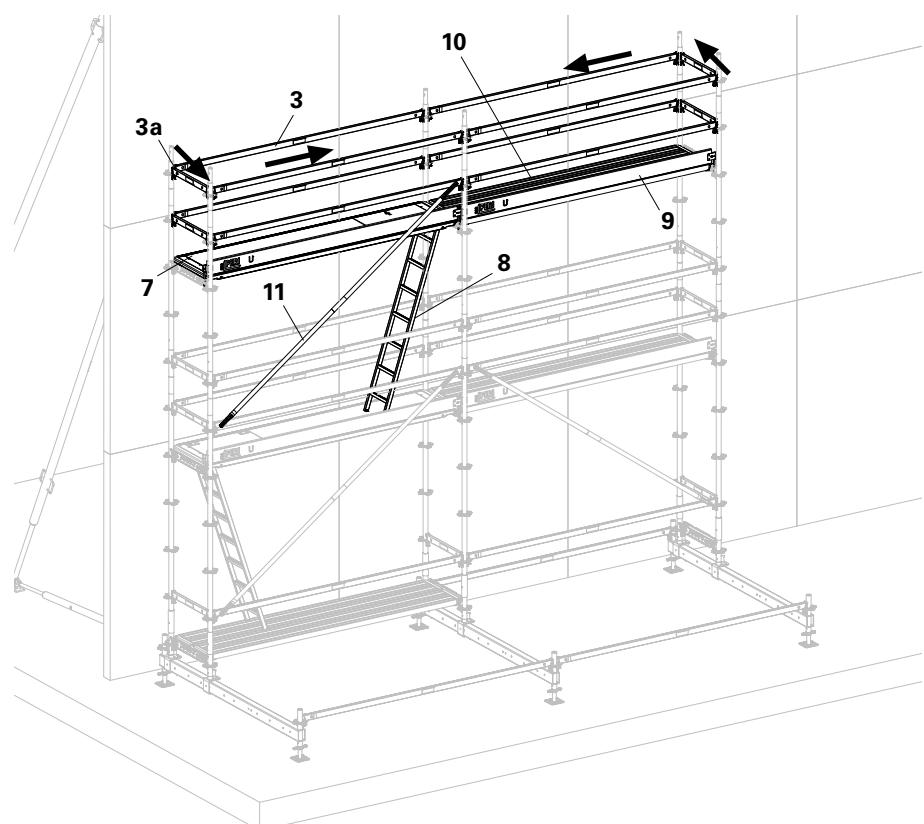


B2.2 Access decks, decking and guardrails

7 Access Deck UAL /Access Deck with Ladder UAL	1 pc.
8 Ladder UEL	1 pc.
10 Steel Deck UDS	2 pcs.
3 Ledger UH	8 pcs.
3a Ledger UH 72	6 pcs.
9 Toeboard Wood UPT	2 pcs.
11 Ledger Brace UBL	1 pc.

Assembly

1. Mount Access Deck UAL and Steel Deck UDS from below. Push as far as possible in a lateral direction in order to secure against lifting.
2. Attach Ladder UEL and fold out.
3. From the ladder: attach Ledger UH 72 and UH to the outer side. From the deck: mount ledgers as guardrails all the way round from the outside to the inside. Securely fix the wedges.
4. Attach Toeboards Wood UPT on the outside in the Decking Transom UHD.
5. Insert Ledger Brace UBL with the lower finger in the bottom Ledger UH. Insert the gravity pin in the holes of the top ledger, turn pin to secure.



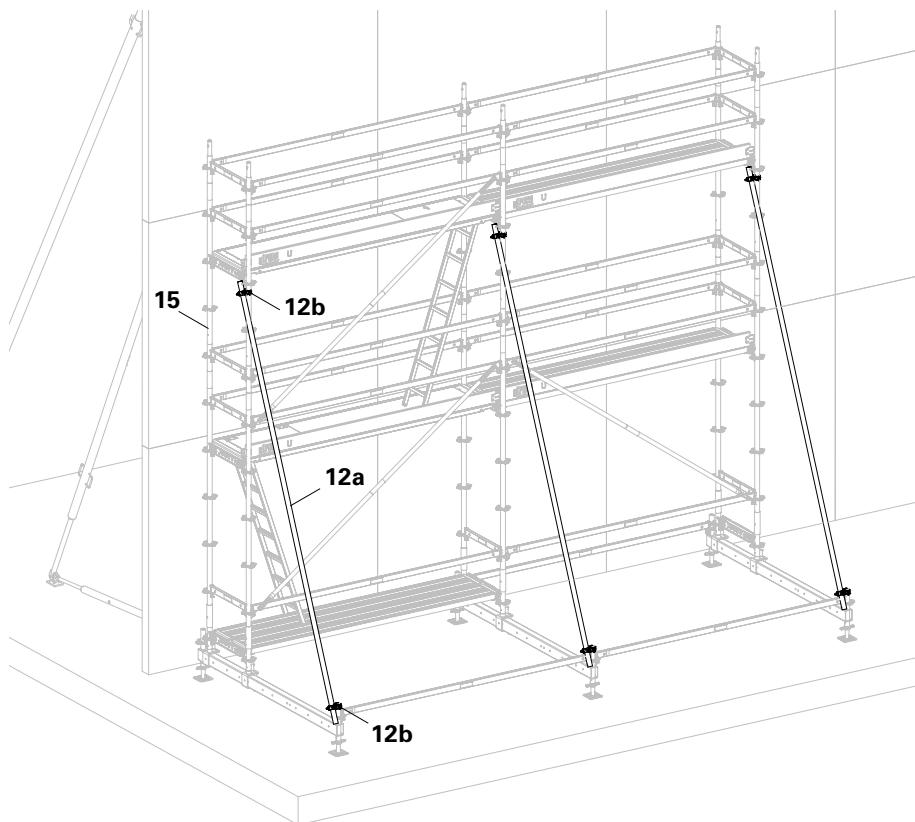
B2 Erecting additional levels

B2.3 Stability

12a Scaffold Tube 48.3 x 3.2	3 pcs.
12b Swivel Coupler DK 48/48	6 pcs.

Assembly

Attach scaffold tube at the top to the outside standard and at the bottom to the Base Beam using swivel couplers.



Moving by crane

15 Locking Pin 48/57	6 pcs.
-----------------------------	--------

Assembly

Firmly connect Standard UVR by means of locking pin.

B2 Erecting additional levels

B2.4 Additional levels

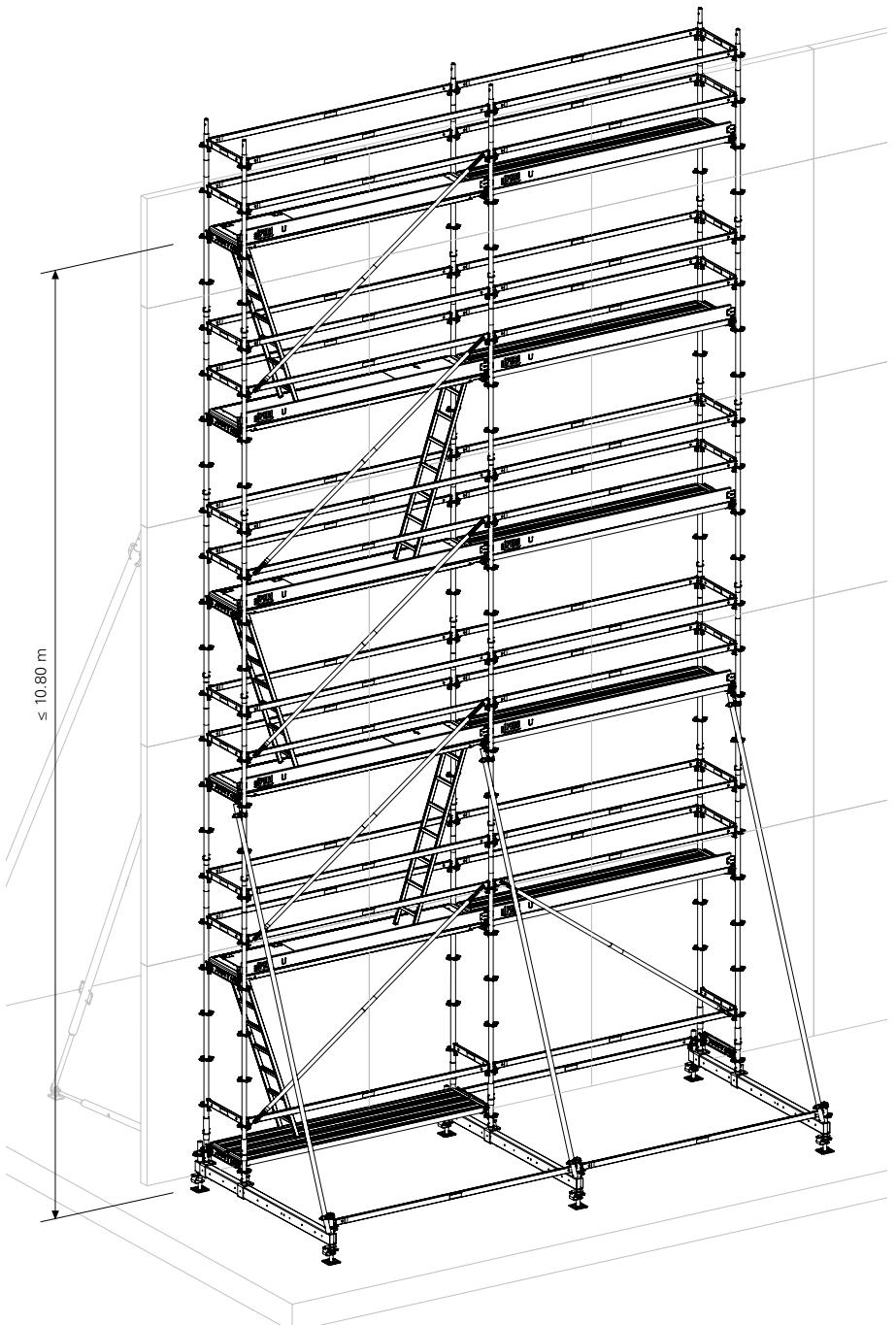
The number of additional levels is limited to a max. height ≤ 10.80 m of the top deck level.

Assembly



Risk of falling! Keep the hatch closed during the assembly work!

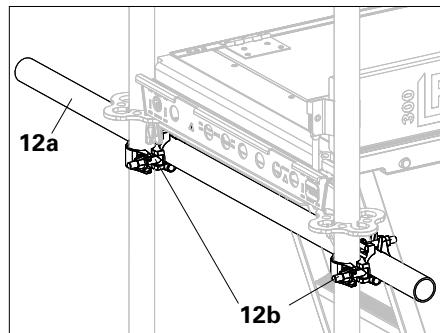
The assembly progress is repeated according to steps B2.1 – B2.2.



B3 Pressure-resistant ties

With heights of 6.48 m and more, pressure-resistant ties are to be mounted on all standards – directly under highest deck level – and positioned up against the wall or formwork.

12a Scaffold Tube 48.3 x 3.2	3 pcs.
12b Standard Coupler	6 pcs.

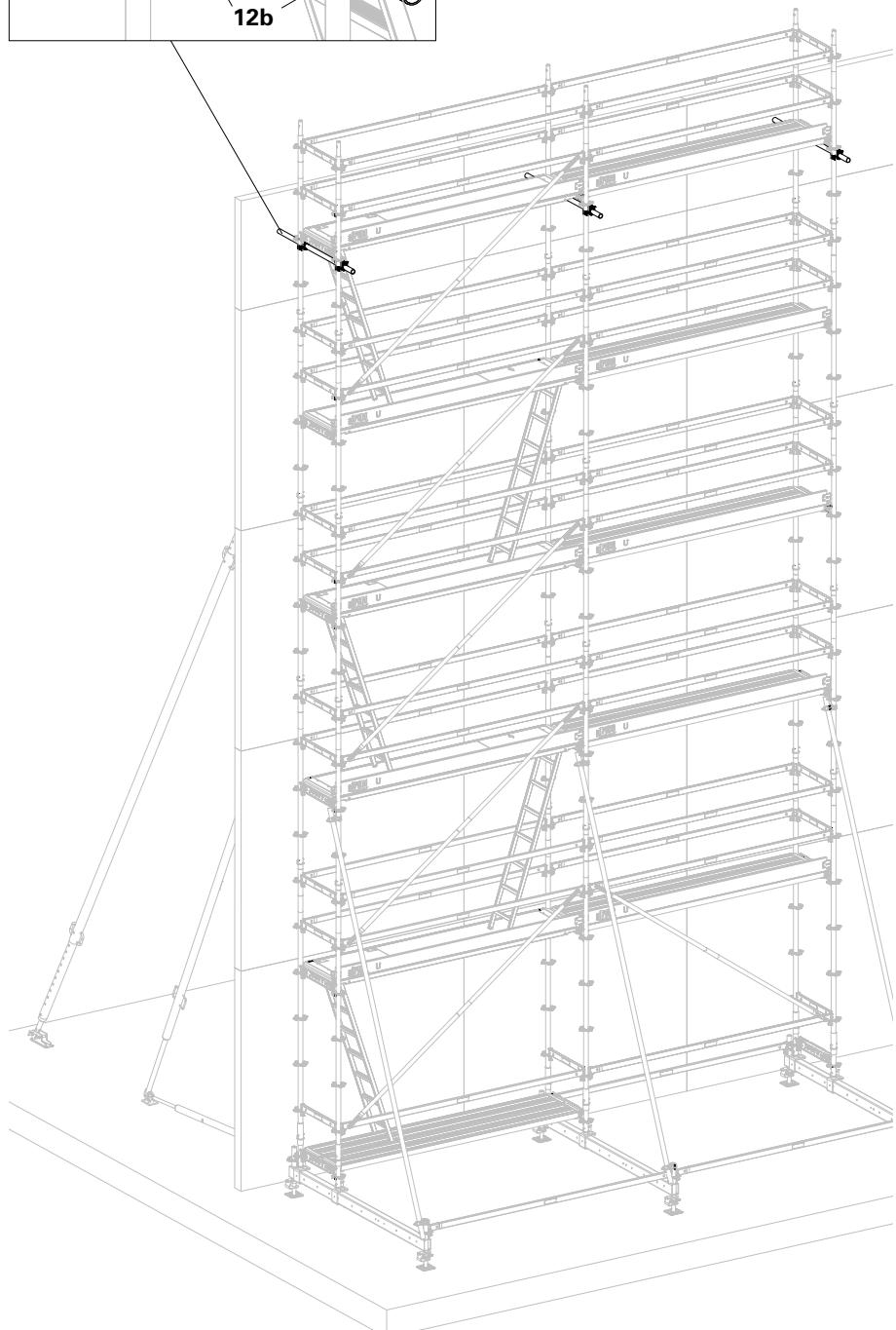


Anchor forces on the wall or form-work are to be verified on site by the contractor!

Assembly

below the top Decking Transom UHD.

1. Securely fix the scaffold tube to the Standard UVR using the standard coupler.
2. Adjust distance of scaffold tube from the wall.



B4 Dismantling

Suggestion



- The scaffolding contractor can also undertake other measures on the basis of his own risk assessment.
- Dismantling takes place from top to bottom, with personnel always in a safe position.
- Dismantling is carried out whilst progressively working back to the access ladder bay.

Dismantling procedure



Risk of falling!

Keep the hatch closed during the dismantling work!

1. From position on deck level:

- begin dismantling with the Ledger UH 72 opposite the hatch
- Ledger UH on the inside and Toeboard
- outside Ledger UH, from a safe position
- Ledger Brace UBL – top – bottom and outside Ledger UH on the inside and Toeboard

2. From position on the ladder:

- outside Ledger UH and Ledger UH 72
- close hatch from below

3. From position next level below:

- fold up or remove ladder, remove top decking
- Pressure-resistant ties
- Decking Transom UHD 72
- Locking pin
- Standards UVR

Continuously dismantle reinforcement scaffold in this sequence

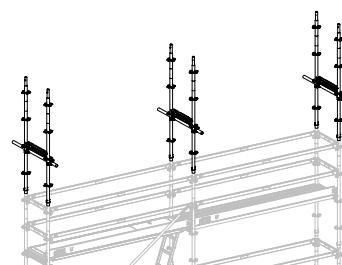
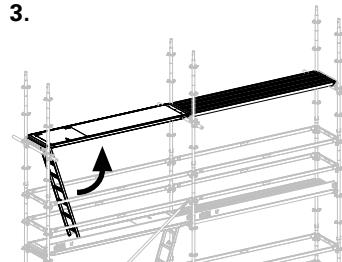
- couplers and scaffold tubes at the appropriate levels

4. Dismantling the base level

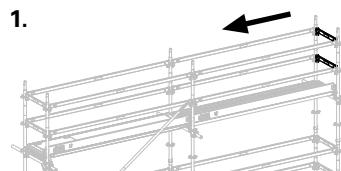
Sequence for those parts to be dismantled:

- Ledger Braces UBL
- Toeboards UPT
- Ledger UH 72 and Ledger UH
- Push decking to one side and remove.
- Decking Transom UHD 72
- All other parts can be dismantled from bottom.

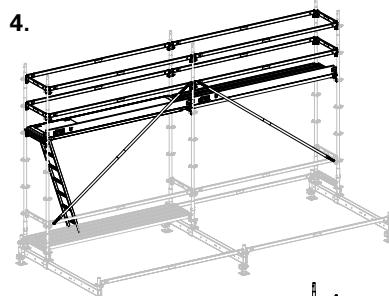
3.



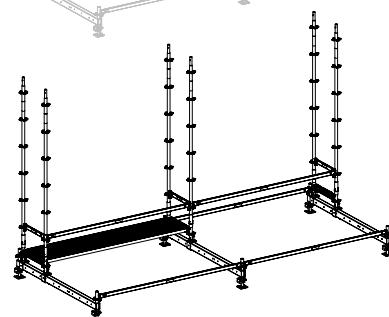
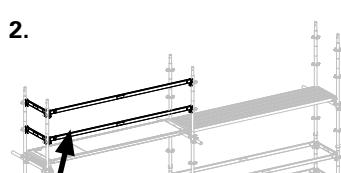
1.



4.



2.

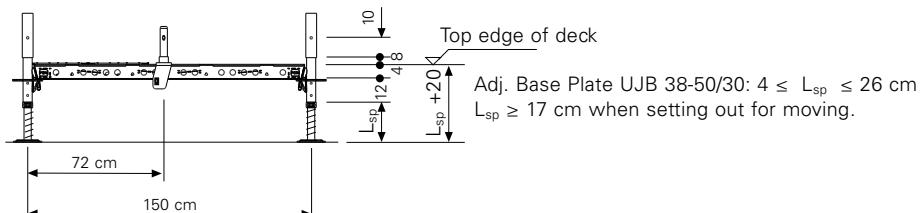


C1 Overview of variants

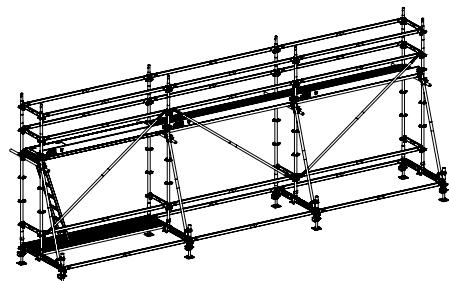
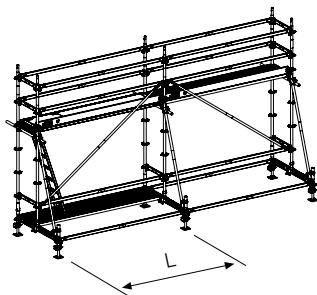
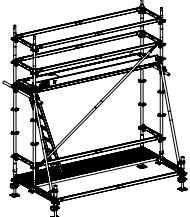
Base width 150 cm with Decking

Transom UHD 150

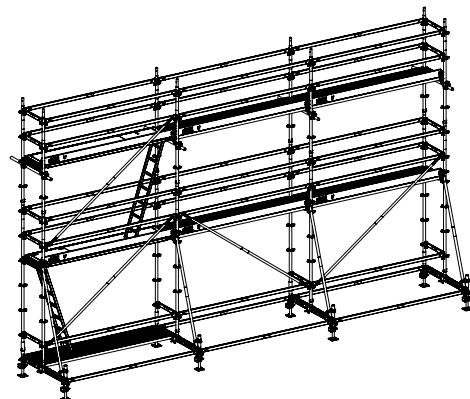
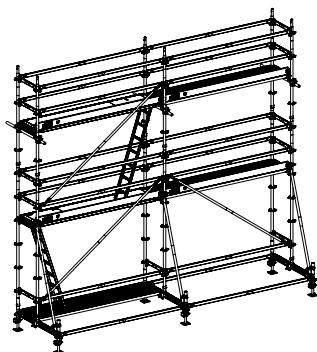
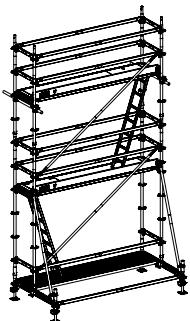
for bay lengths L (cm): 150, 200, 250, 300.



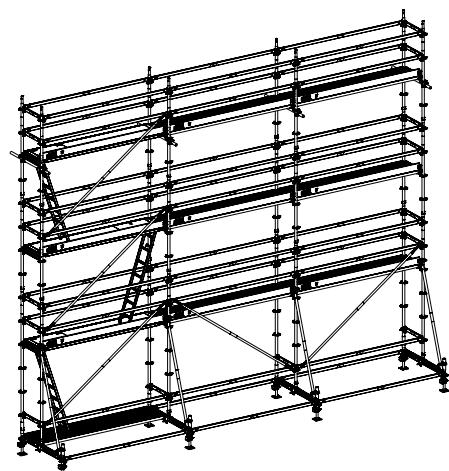
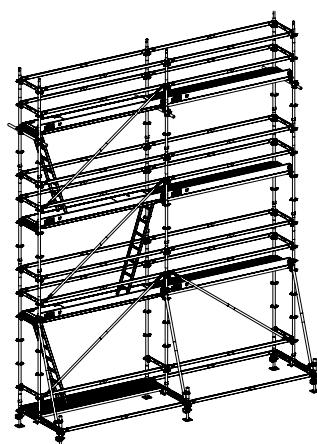
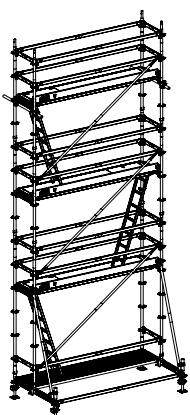
Top level height 224 – 260 cm



Top level height 424 – 460 cm



Top level height 624 – 660 cm

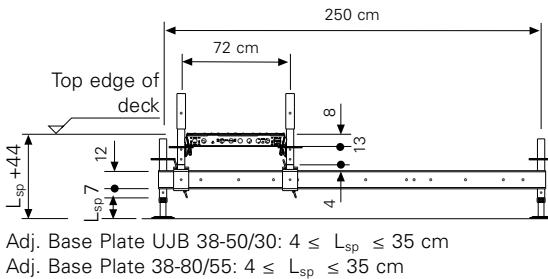


C1 Overview of variants

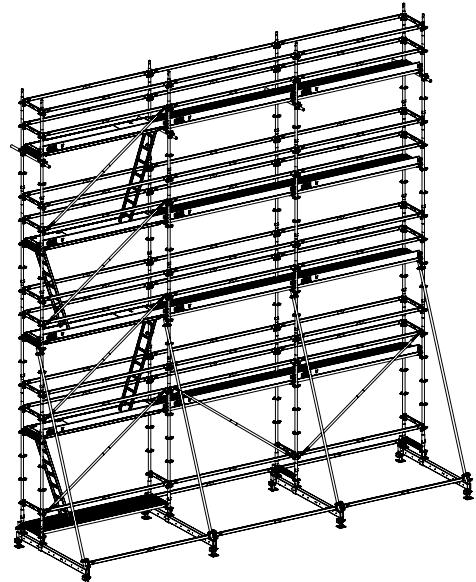
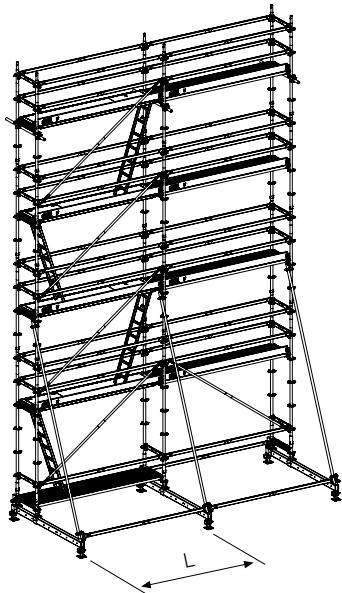
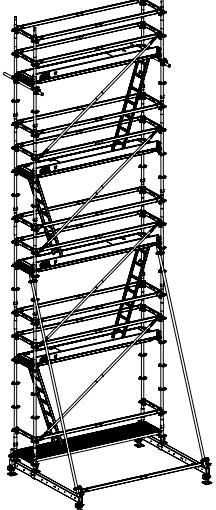
Base width 250 cm with Base Beam

UVA 250

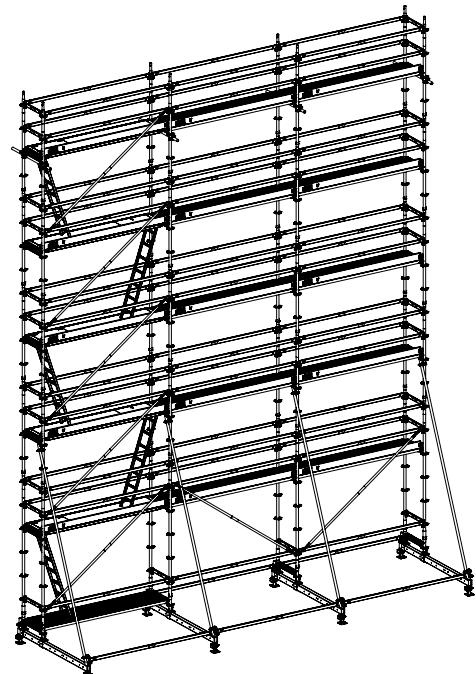
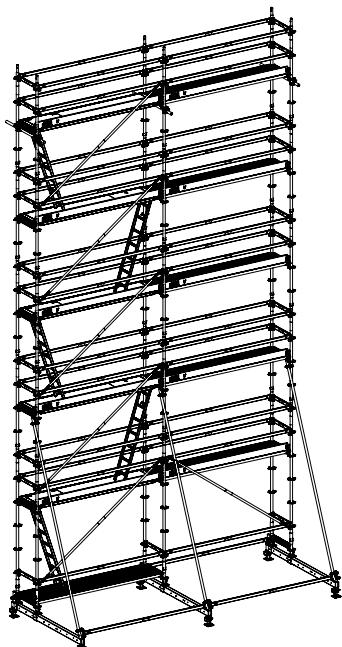
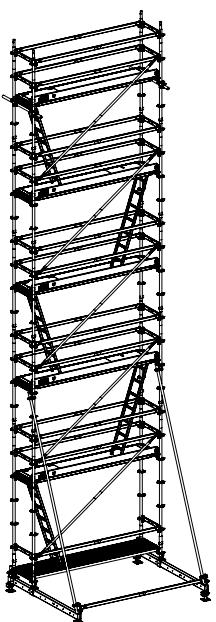
for bay lengths L (cm): 150, 200, 250, 300.



Top level height 848 – 880 cm



Top level height 1048 – 1080 cm



C1 Overview of variants

Scaffold width 104 cm

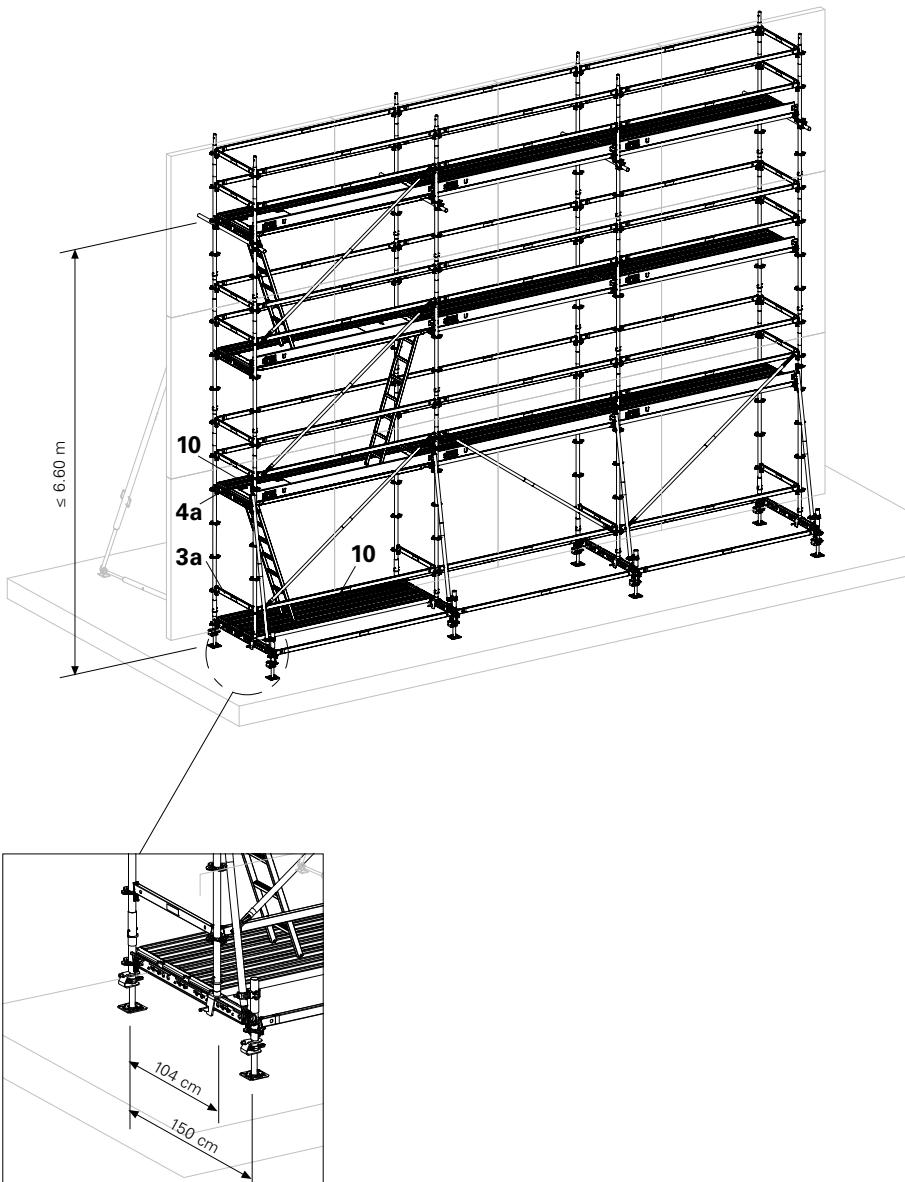
All scaffold variants shown on the previous two pages can also be assembled using a width of 104 cm.

The following changes are to be made:

- UHD 72 instead of UHD 104 (4a)
- 2 Steel Decks instead of 3 Steel Decks UDS (10)
- Access Deck UAL instead of Access Deck UAL + 1 Steel Deck UDS (10)
- Ledger UH 72 instead of Ledger UH 104 (3a)

Base width 150 cm with Decking Transom UHD 150

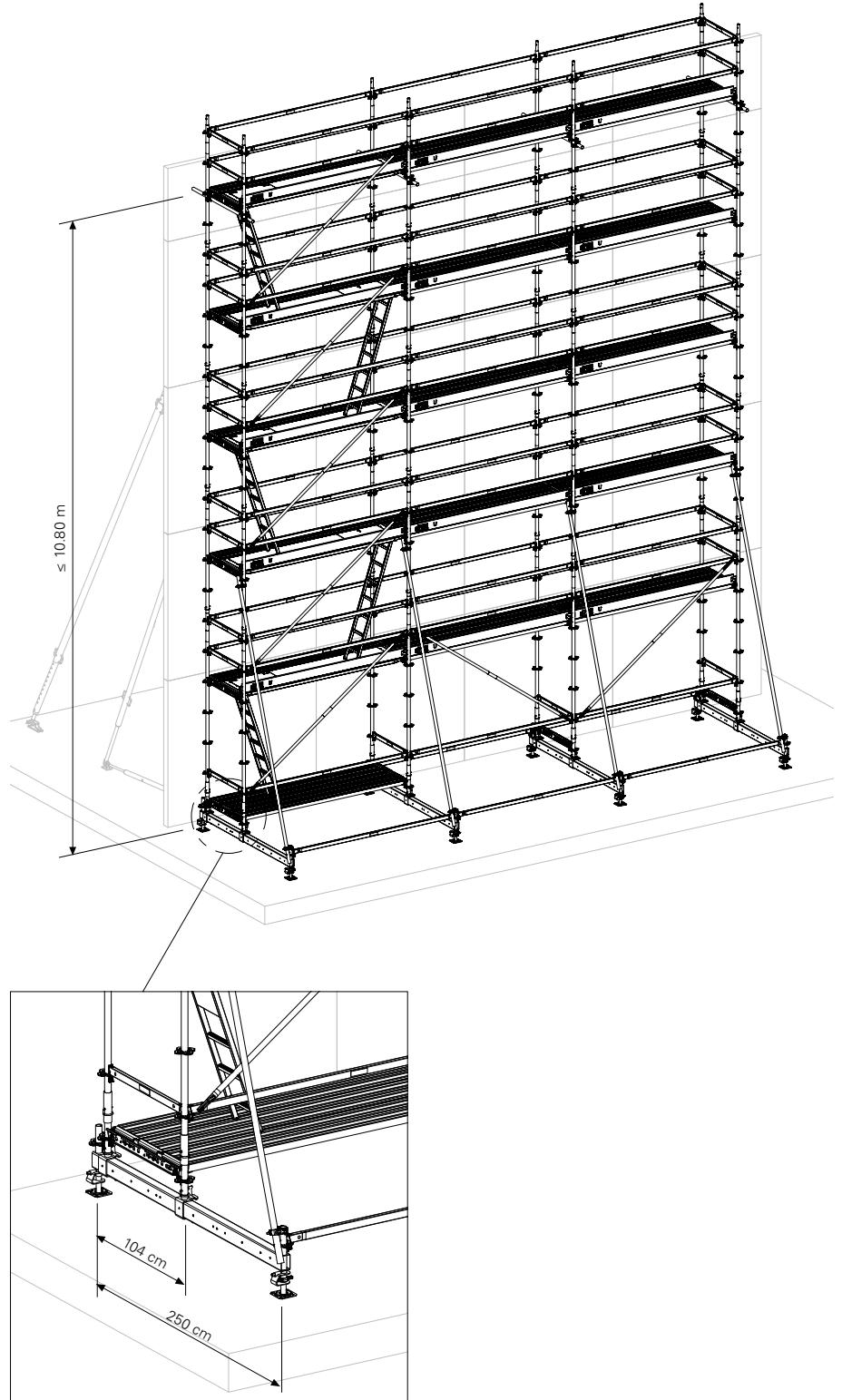
Top level height 224 – 660 cm



C1 Overview of variants

Scaffold width 104 cm with Base Beam UVA 250

Top level height 248 – 1080 cm



C2 Actions

Service loads

The permissible service load for the reinforcement scaffold is 2.0 kN/m² as uniformly distributed load over one scaffolding level (corresponds to Load Class 3 according to DIN EN 12811).

If work is carried out on several scaffolding levels at the same time the total load may not exceed the permissible load of 3.0 kN m² (2.0 kN/m² on one level + 1.0 kN/m² on an adjacent level).

Wind loads

Support reactions and anchor forces for unclad reinforced scaffold erected in front of a closed facade are determined under the following assumptions:

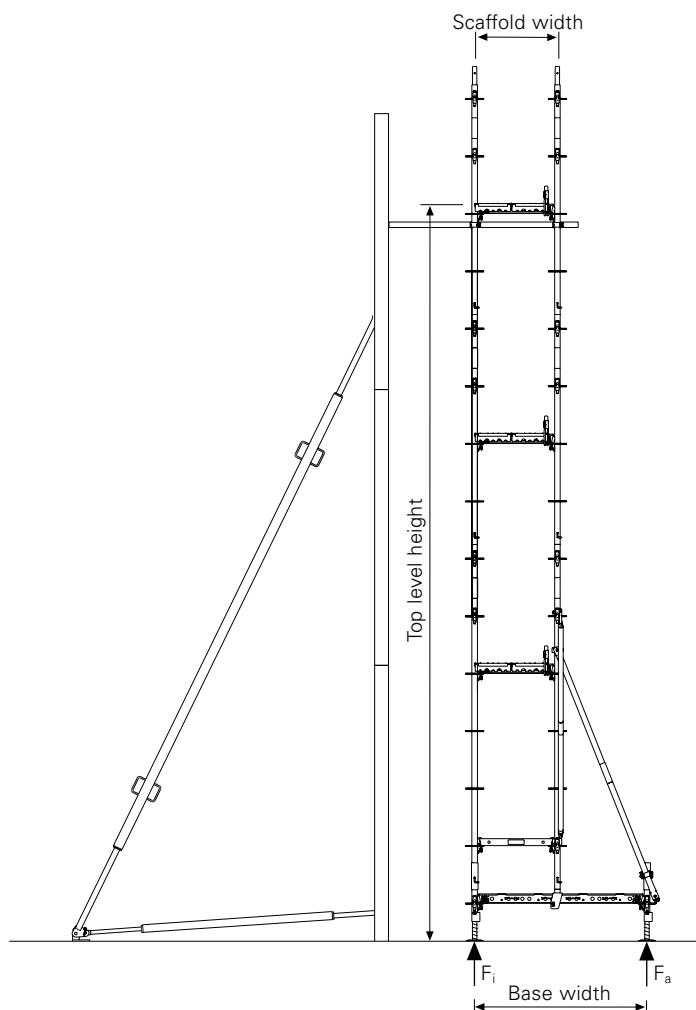
For free-standing reinforcement scaffold: q = 0.1 kN/m² wind load acc.
DIN EN 1004

For reinforcement scaffold anchored at the top:
(anchor positioned directly under the highest deck level).
Decking Transom UHD 150
q = 0.1 kN/m² wind load acc.
DIN EN 1004

Base Beam UVA 250
q = 0.2 kN/m² working wind load acc.
DIN EN 12811-1

C3 Support reactions

Scaffold width 72 cm (104 cm)					
Top level height [cm]	Base width 150 cm Assembly on UHD 150		Base width 250 cm Assembly on UVA 250		Top level height [cm]
	[kN] F_i	[kN] F_a	[kN] F_i	[kN] F_a	
224 – 260	6.6 (8.3)	2.7 (4.8)	6.7 (8.8)	3.0 (4.7)	248 – 280
424 – 460	7.3 (9.0)	2.9 (5.2)	7.5 (9.6)	3.3 (5.1)	448 – 480
624 – 660	8.5 (10.2)	3.4 (5.8)	8.3 (10.4)	3.5 (5.6)	648 – 680
			9.5 (11.7)	4.1 (6.2)	848 – 880
			10.7 (13.1)	4.8 (7.1)	1048 – 1080

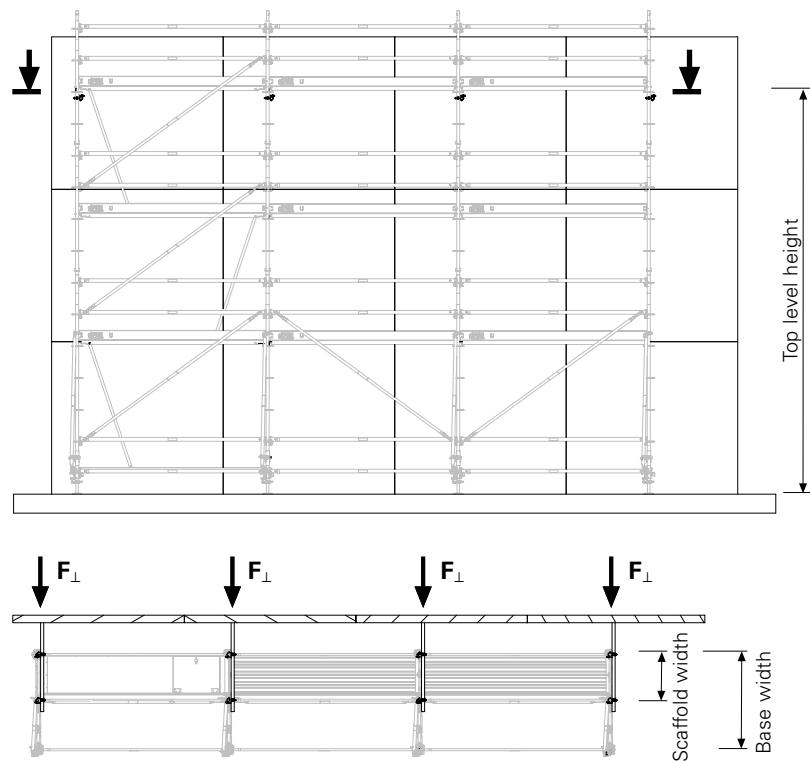


C4 Anchors, Anchor Forces

Pressure-resistant ties are used for anchoring so that moving the reinforcement scaffold by crane is possible. They are installed directly under the highest deck level on each standard and are supported by being positioned against secure formwork units or solid wall.



For wind speeds > 12.6 m/s (wind force 6), the reinforcement scaffold is to be prevented from tipping over by means of tension and compression-proof anchorage.



Compression forces

F_{\perp} [kN]

Scaffold width 72 cm (104 cm)			
Top level height [cm]	Base width 150 cm	Base width 250 cm	Top level height [cm]
	Assembly on UHD 150 up to 12.6 m/s (wind force 6) only pressure-resistant ties required	Assembly on UVA 250	
224 – 260	no ties required	no ties required	248 – 280
424 – 460	0.5 (0.5)	no ties required	448 – 480
624 – 660	0.5 (0.5)	1.1 (1.1)	648 – 680
		1.1 (1.1)	848 – 880
		1.1 (1.1)	1048 – 1080

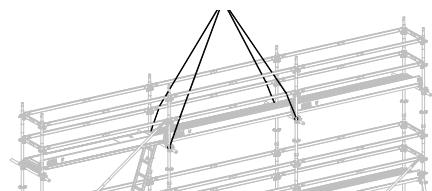
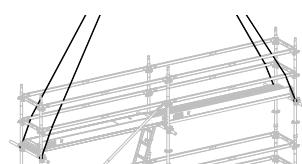
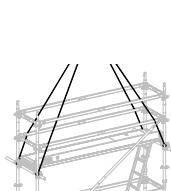
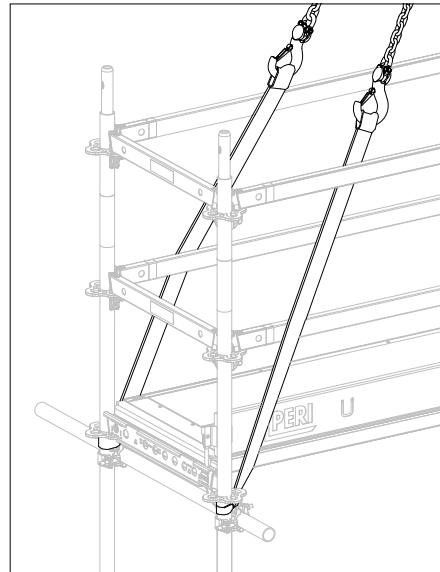
D1 Moving with the crane

Attachment points



- Ensure that all standards are tightly connected!
- Remove all loose parts!

For moving with the crane, webbing belts for example can be directly wrapped around the standards under the rosettes. The complete reinforcement scaffold unit is moved using four-sling lifting gear.



Dead loads

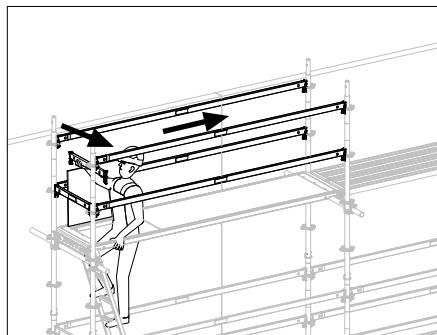
Scaffold width 72 cm (104 cm)							
Top level height [cm]	Base width 150 cm Assembly on UHD 150			Base width 250 cm Assembly on UVA 250			Top level height [cm]
	1 bay 3 m	2 bays 6 m	3 bays 9 m	1 bay 3 m	2 bays 6 m	3 bays 9 m	
	max. dead load [kg]			max. dead load [kg]			
224 – 260	310 (340)	500 (550)	680 (760)	400 (430)	640 (700)	880 (960)	248 – 280
424 – 460	450 (510)	750 (850)	1040 (1180)	540 (600)	890 (990)	1230 (1380)	448 – 480
624 – 660	590 (680)	990 (1140)	1390 (1600)	680 (770)	1130 (1290)	1580 (1800)	648 – 680
				820 (930)	1380 (1580)	1940 (2230)	848 – 880
				960 (1100)	1630 (1880)	2290 (2650)	1048 – 1080

D2 Working on reinforcement scaffold

Assembly tips

Scaffold bay

- In order to be able to install the Ledgers UH (guardrails) immediately, Standards UVR are always slotted in 1 m above the decking level.
- From the ladder of the Access Deck UAL, the front side and outer Ledgers UH are installed.

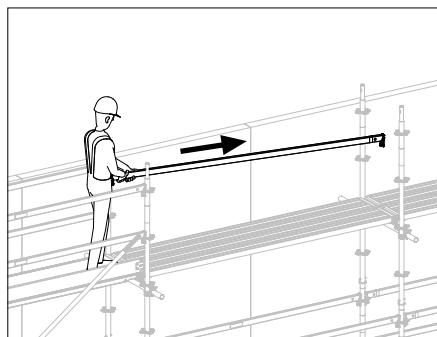


Additional scaffold bays

For additional scaffold bays, the outer Ledgers UH are mounted from a safe position (the previous scaffold bay) due to the guardrail in advance system.

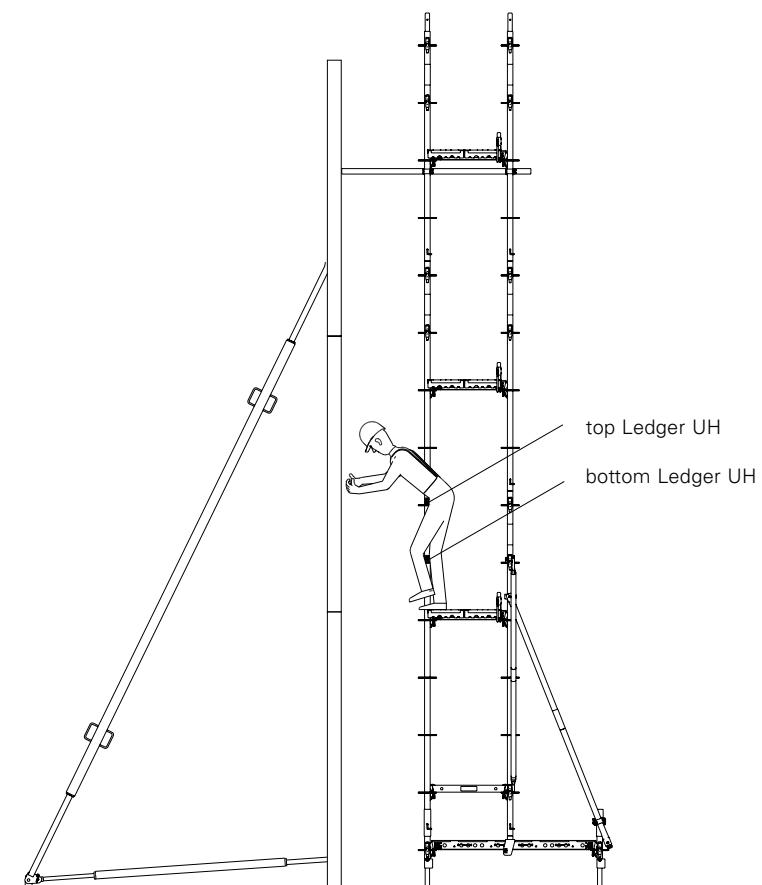
End guardrail

For mounting the Ledger UH 72, protection is provided by the outer Ledger UH.



Reinforcement work tips

- The reinforcement scaffold is positioned 30 – 80 cm in front of the formwork.
- On the inner side of the reinforcement scaffold, guardrails are therefore required. They provide a safe working position (see drawing):
 1. One leg is wrapped around the bottom Ledger UH.
 2. Lean against the top Ledger UH and lean forward.



D3 Assembly with guardrail in advance

Assembly of the reinforcement scaffold with Ledger UH as guardrail is shown in Sections A and B.

If the top ledger is replaced by a guardrail, the assembly with guardrail in advance can then take place.

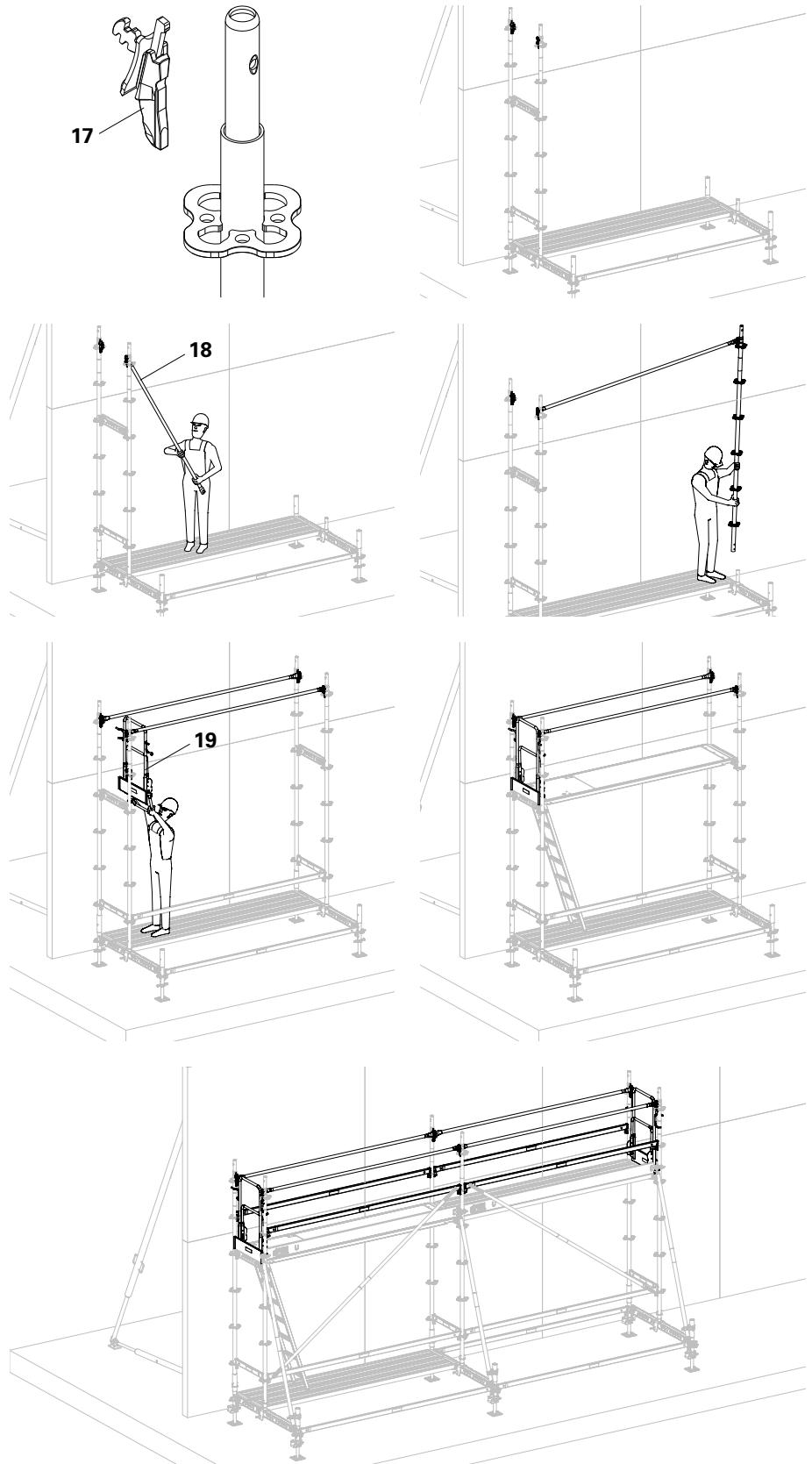
The following components are required:

- 17** Guardrail Coupler with Wedge UPW
- 18** Guardrail UPG
- 19** End guardrail in advance

Assembly

1. Insert Guardrail Holder UPW in the top rosette of the Standard UVR and wedge securely.
2. Insert the first two Standards UVR.
3. Insert the Guardrail UPG in the Guardrail Holder UPW of the outer Standard until it is securely fixed.
4. Connect the next Standard UVR with the Guardrail UPG.
5. Insert Standard UVR complete with Guardrail UPG.
6. On the inner side of the next guardrail, mount standard in advance.
7. Install end guardrail in advance.
8. Install decking.
9. Repeat Steps 3 to 8 for the next bays.

Ensure that the side protection is complete with ledgers and toeboards when accessing the top level.

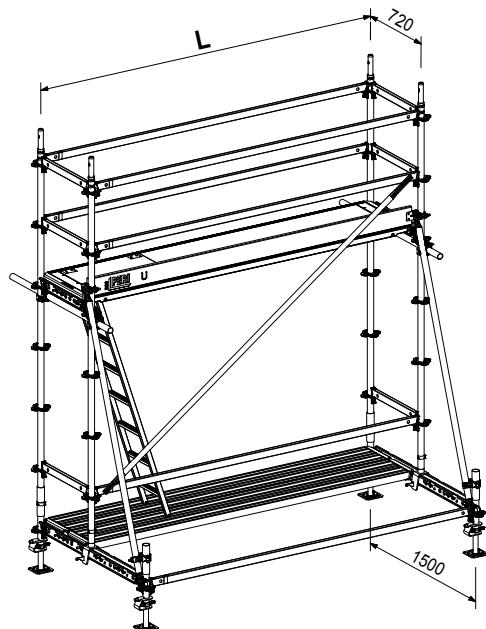


PERI UP Rosett Reinforcement Scaffold R72/R104 UDS

PERI

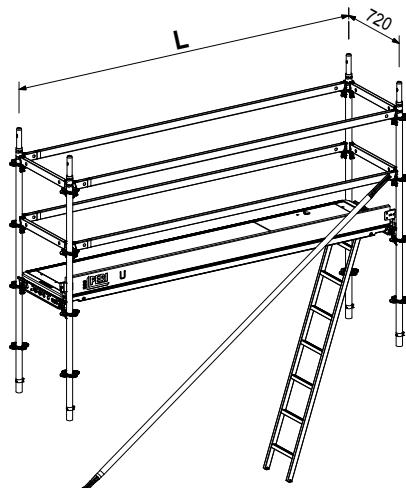
Item no. Weight kg

		Reinforcement Scaffolds Basic 72	L
001000	278,810	Reinforcement Scaff. Basic 200 x 150/72	2000
001004	299,060	Reinforcement Scaff. Basic 250 x 150/72	2500
001008	320,140	Reinforcement Scaff. Basic 300 x 150/72	3000



Reinforcement Scaffolds Basic Plus 72

		Reinforcement Scaffolds Basic Plus 72	L
001001	118,010	Reinforcement Scaff. Basic Plus 200 x 72	2000
001005	128,500	Reinforcement Scaff. Basic Plus 250 x 72	2500
001009	139,790	Reinforcement Scaff. Basic Plus 300 x 72	3000

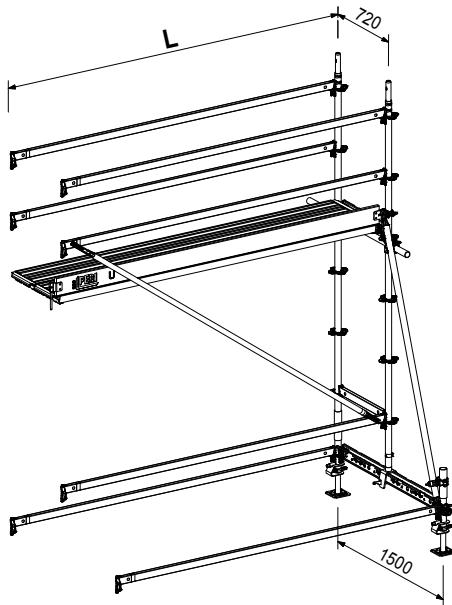


PERI UP Rosett Reinforcement Scaffold R72/R104 UDS

PERI

Item no. Weight kg

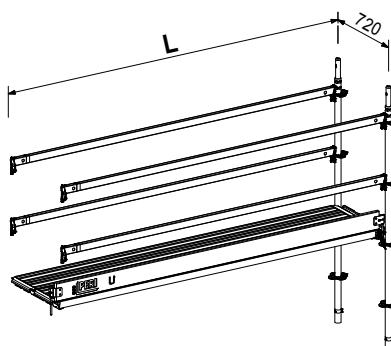
		Reinforcement Scaffolds Add. 72	L
001047	147,400	Reinforcement Scaff. Add. 150 x 150/72	1500
001002	164,350	Reinforcement Scaff. Add. 200 x 150/72	2000
001006	181,350	Reinforcement Scaff. Add. 250 x 150/72	2500
001010	198,530	Reinforcement Scaff. Add. 300 x 150/72	3000



Item no. Weight kg

	Reinforcement Scaffolds Add. Plus 72	L
001048	69,670	Reinforcement Scaff. Add. Plus 150 x 72
001003	81,860	Reinforcement Scaff. Add. Plus 200 x 72
001007	94,010	Reinforcement Scaff. Add. Plus 250 x 72
001011	106,200	Reinforcement Scaff. Add. Plus 300 x 72

Item no. Weight kg

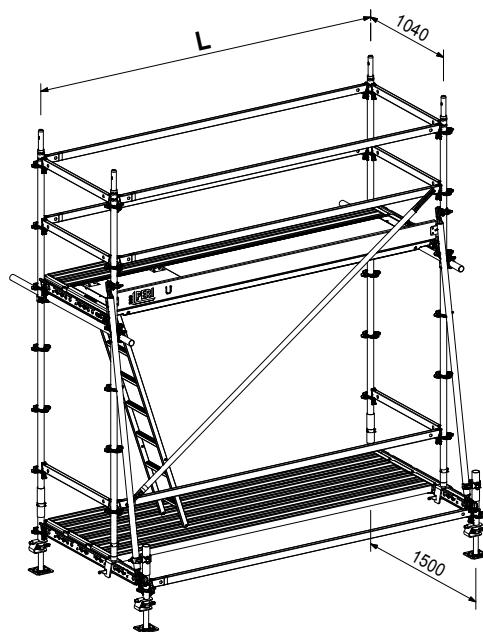


PERI UP Rosett Reinforcement Scaffold R72/R104 UDS

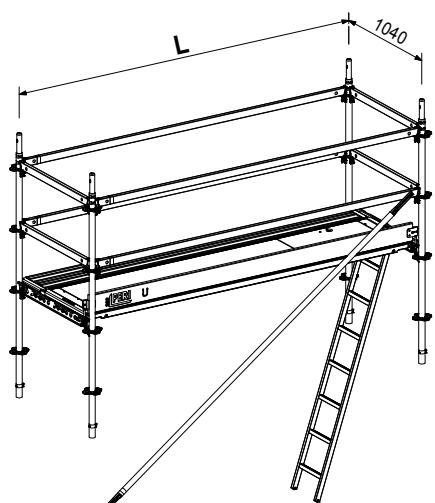
PERI

Item no. Weight kg

		Reinforcement Scaffolds Basic 104	L
001049	315,006	Reinforcement Scaff. Basic 200 x 150/104	2000
001053	341,056	Reinforcement Scaff. Basic 250 x 150/104	2500
001057	367,936	Reinforcement Scaff. Basic 300 x 150/104	3000



		Reinforcement Scaffolds Basic Plus 104	L
001050	138,406	Reinforcement Scaff. Basic Plus 200 x 104	2000
001054	151,796	Reinforcement Scaff. Basic Plus 250 x 104	2500
001058	165,986	Reinforcement Scaff. Basic Plus 300 x 104	3000



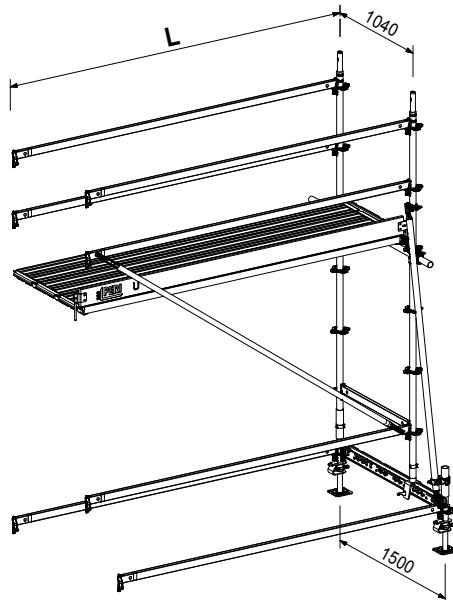
PERI UP Rosett Reinforcement Scaffold R72/R104 UDS

PERI

Item no. Weight kg

		Reinforcement Scaffolds Add. 104	L
001061	160,898	Reinforcement Scaff. Add. 150 x 150/104	1500
001051	180,748	Reinforcement Scaff. Add. 200 x 150/104	2000
001055	200,648	Reinforcement Scaff. Add. 250 x 150/104	2500
001059	220,728	Reinforcement Scaff. Add. 300 x 150/104	3000

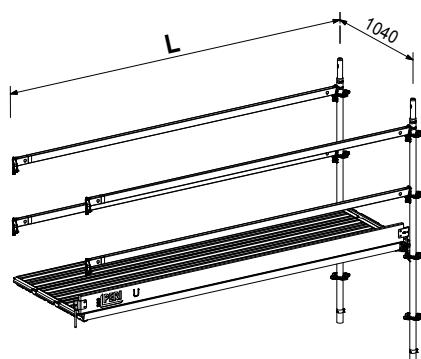
Complete Reinforcement Scaffold Additional-Basic unit in different lengths.



Item no. Weight kg

		Reinforcement Scaffolds Add. Plus 104
001062	82,318	Reinforcement Scaff. Add. Plus 150 x 104
001052	97,408	Reinforcement Scaff. Add. Plus 200 x 104
001056	112,458	Reinforcement Scaff. Add. Plus 250 x 104
001060	127,548	Reinforcement Scaff. Add. Plus 300 x 104

		L
		1500
		2000
		2500
		3000

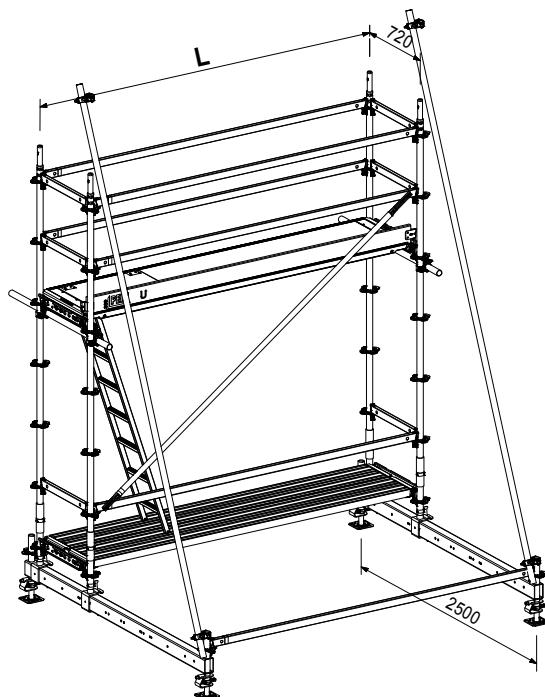


PERI UP Rosett Reinforcement Scaffold R72/R104 UDS

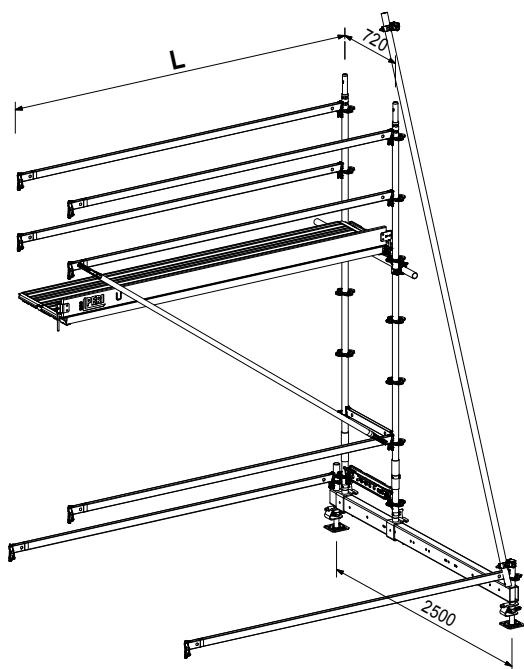
PERI

Item no. Weight kg

		Reinforcement Scaffolds Basic UVA 72	L
001070	365,342	Reinforcement Scaff. Basic UVA 200 x 250/72	2000
001072	385,592	Reinforcement Scaff. Basic UVA 250 x 250/72	2500
001074	406,672	Reinforcement Scaff. Basic UVA 300 x 250/72	3000



		Reinforcement Scaffolds Add. UVA 72	L
001076	190,666	Reinforcement Scaff. Add. UVA 150 x 250/72	1500
001071	207,616	Reinforcement Scaff. Add. UVA 200 x 250/72	2000
001073	224,616	Reinforcement Scaff. Add. UVA 250 x 250/72	2500
001075	241,796	Reinforcement Scaff. Add. UVA 300 x 250/72	3000

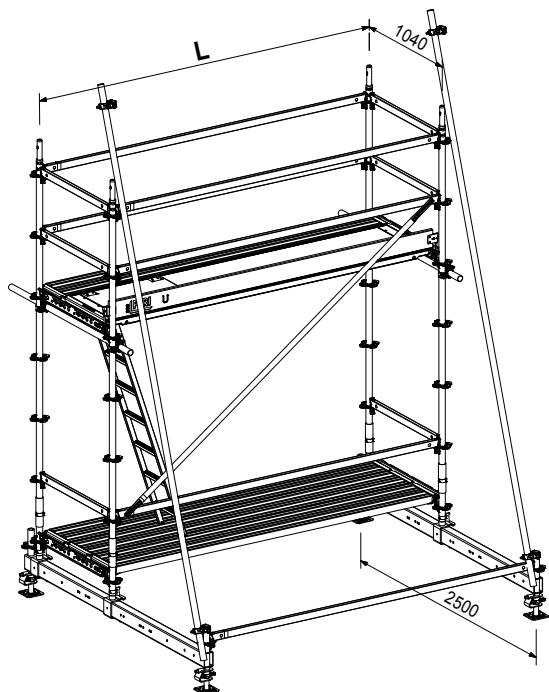


PERI UP Rosett Reinforcement Scaffold R72/R104 UDS

PERI

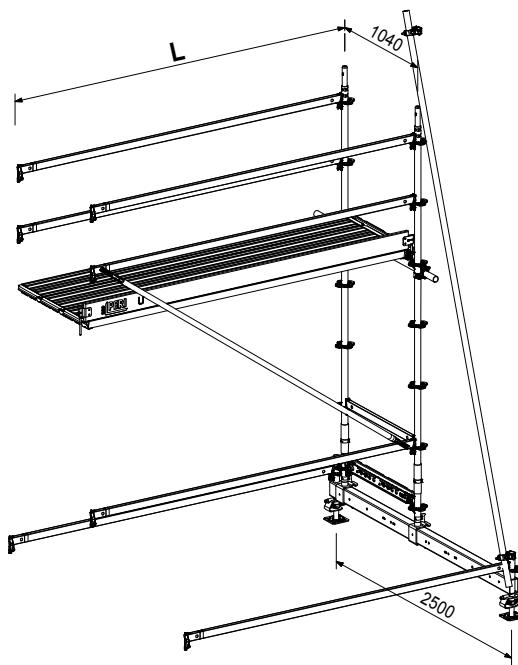
Item no. Weight kg

		Reinforcement Scaffolds Basic UVA 104	L
001077	404,842	Reinforcement Scaff. Basic UVA 200 x 250/104	2000
001079	430,892	Reinforcement Scaff. Basic UVA 250 x 250/104	2500
001081	457,772	Reinforcement Scaff. Basic UVA 300 x 250/104	3000



Reinforcement Scaffolds Add. UVA 104

		Reinforcement Scaffolds Add. UVA 104	L
001083	205,816	Reinforcement Scaff. Add. UVA 150 x 250/104	1500
001078	225,666	Reinforcement Scaff. Add. UVA 200 x 250/104	2000
001080	245,566	Reinforcement Scaff. Add. UVA 250 x 250/104	2500
001082	265,646	Reinforcement Scaff. Add. UVA 300 x 250/104	3000



PERI UP Rosett Reinforcement Scaffold R72/R104 UDS

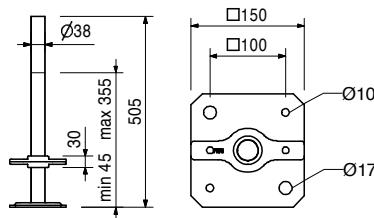
PERI

Item no. Weight kg

100411 3,420 **Adj. Base Plate UJB 38-50/30**

Note

With captive red Quick Jack Nut.



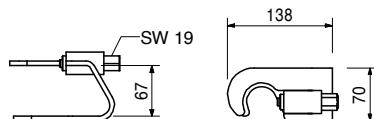
100863 1,030

Spindle Locking UJS

Secures the adjustable base plates Ø 38 mm in the leg when moving.

Note

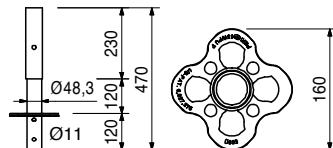
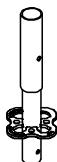
Wrench size SW 19.



100014 2,470

Base Standard UVB 24

For assembly directly on the base spindle.



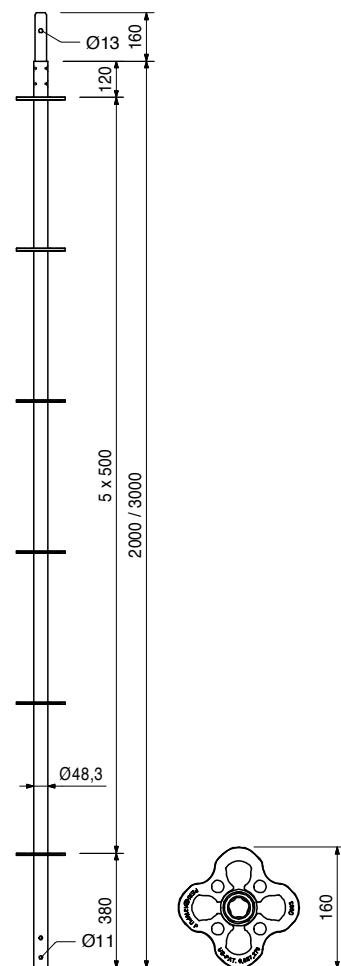
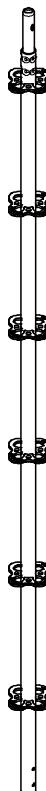
PERI UP Rosett Reinforcement Scaffold R72/R104 UDS

PERI

Item no. Weight kg

Standards UVR	
Standard UVR 200	
Standard UVR 300	
100009	9,990
100012	14,700

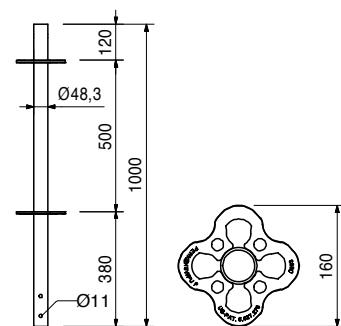
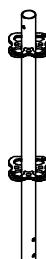
Without pins for supporting head spindles.



100000 4,610

Top Standard UVH 100

Without spigot for supporting head spindles.



PERI UP Rosett Reinforcement Scaffold R72/R104 UDS

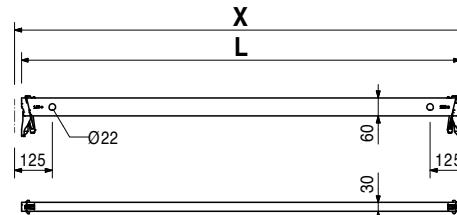
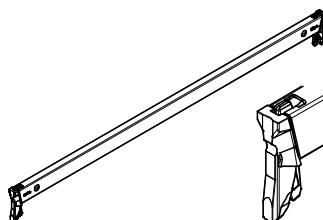


Item no. Weight kg

		Ledgers UH Plus	L	X	Sticker
114613	1,430	Ledger UH 25 Plus	204	250	
114124	2,660	Ledger UH 72 Plus	674	720	
114635	3,510	Ledger UH 104 Plus	994	1040	
114641	4,720	Ledger UH 150 Plus	1454	1500	
114645	6,050	Ledger UH 200 Plus	1954	2000	White
114648	7,370	Ledger UH 250 Plus	2454	2500	Red
114651	8,690	Ledger UH 300 Plus	2954	3000	Black

Note

Longitudinally-stamped with coloured label for easier identification.



100031	4,190
100039	5,750
100076	8,260

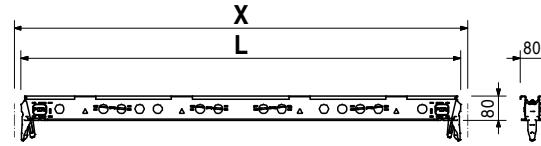
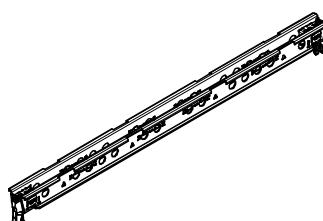
Decking Transoms UHD
Decking Transom UHD 72
Decking Transom UHD 104
Decking Transom UHD 150

For mounting the Steel Decks UDS.

L	X
675	720
995	1040
1455	1500

Note

Consider load-bearing capacity in connection with decking length. With hook for bracket brace.



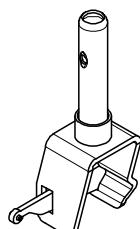
100401	7,610
--------	-------

Accessories
Bracket Brace UCP 72/104

101576	2,680
--------	-------

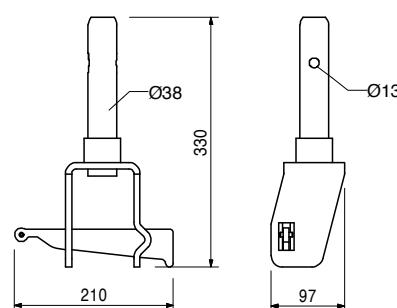
Decking Transom Spigot UES

For connecting vertical components to the Decking Transom.



Note

Take permissible load of the Decking Transom into consideration.



PERI UP Rosett Reinforcement Scaffold R72/R104 UDS

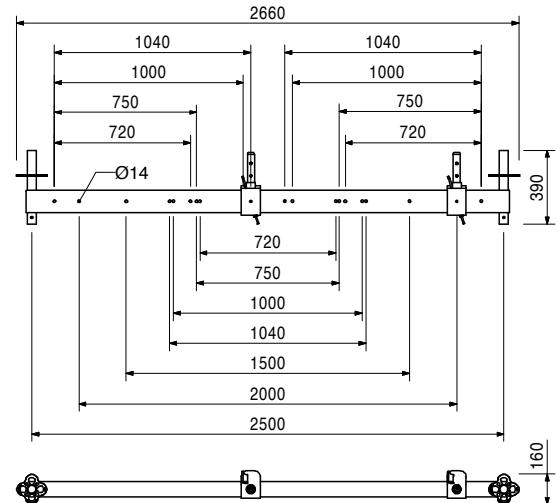
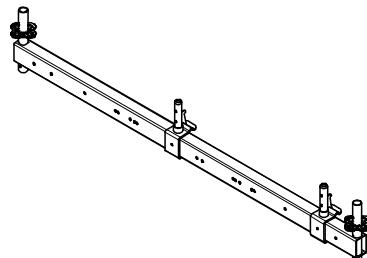
PERI

Item no. Weight kg

100870 40,700

Base Beam UVA 250

For free-standing and mobile scaffold units. For symmetric and antimetric assembly of UP T 72/T 104 and Rosett 72, 75, 100, 104 and symmetric assembly of Rosett b = 75, 100, 150, 200 and 250 cm.

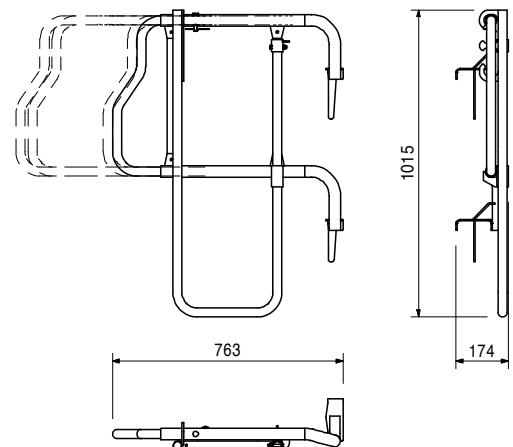
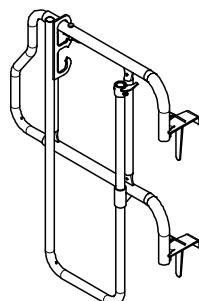


115655 11,100

End Guardrail in Advance UPA Rosett

Note

With extendible Guardrail, fits in R72, R75, R100 and R104.



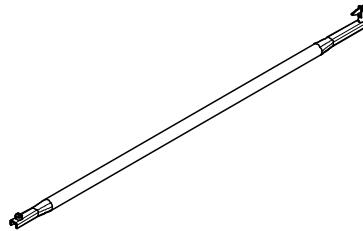
PERI UP Rosett Reinforcement Scaffold R72/R104 UDS



Item no. Weight kg

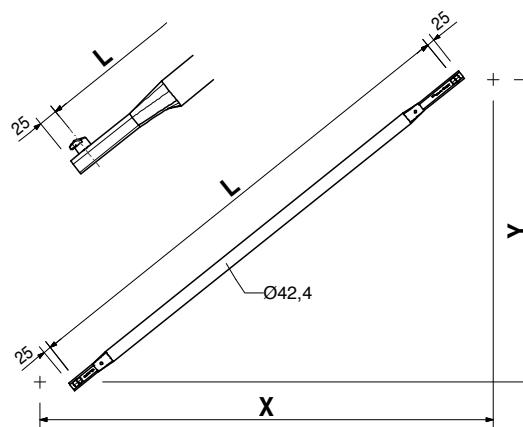
		Ledger Braces UBL	L	X	Y	Sticker
100057	6,390	Ledger Brace UBL 150/200	2358	1500	2000	
100061	7,160	Ledger Brace UBL 200/200	2658	2000	2000	White
100065	8,050	Ledger Brace UBL 250/200	3010	2500	2000	Red
100069	9,050	Ledger Brace UBL 300/200	3400	3000	2000	Black

Standard diagonal for bracing between LGS elements. Attach using holes in the ledger.



Note

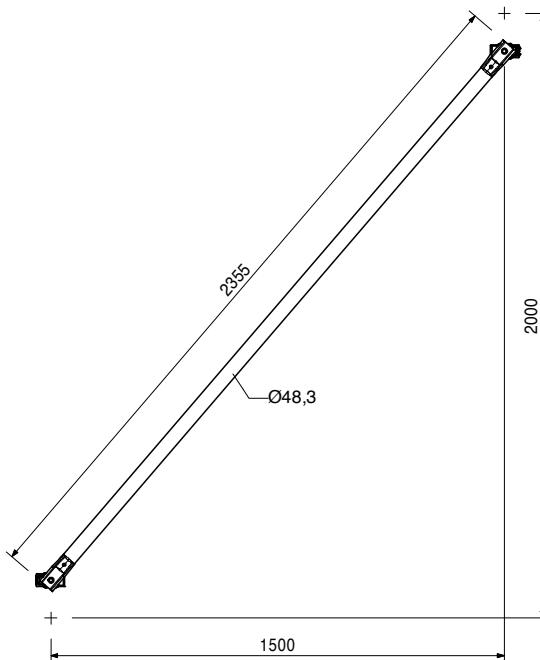
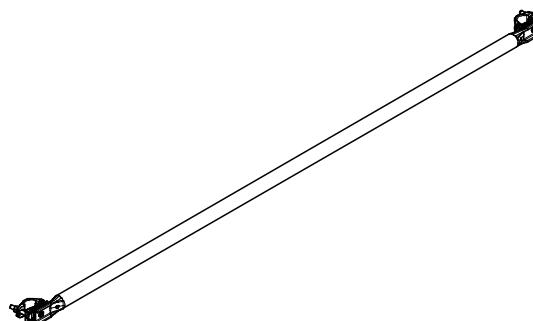
With stamped length and coloured sticker for easier identification.



100416 9,740

Coupler Brace UBC 150/200

For stacking and transportation of PERI UP scaffold components. With lashing strap and 6 ring extensions.



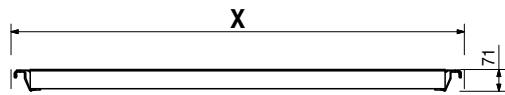
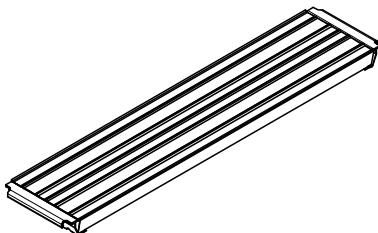
PERI UP Rosett Reinforcement Scaffold R72/R104 UDS

PERI

Item no. Weight kg

		Steel Decks UDS	X	perm. p [kN/m ²]	max. p [kN/m ²]
100355	11,200	Steel Deck UDS 32 x 150	1500	6.0	25.0
100373	14,100	Steel Deck UDS 32 x 200	2000	6.0	18.1
100375	17,000	Steel Deck UDS 32 x 250	2500	6.0	11.4
100377	19,900	Steel Deck UDS 32 x 300	3000	4.5	7.9

As standard decking for UP 70/100 and Rosett.



Accessories

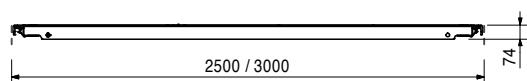
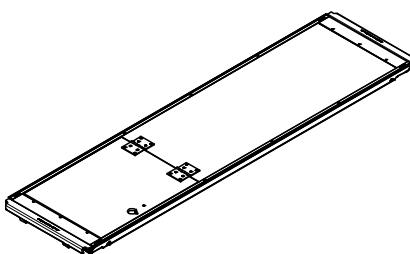
102605 0,420

Deck Link Plate UED

114825	25,400	Access Decks w. Ladder UAL-2
114812	28,700	Access Deck w. Ladder UAL-2, 64 x 250/3

Technical Data

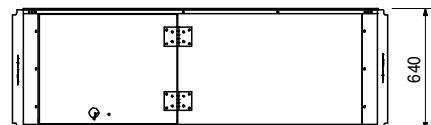
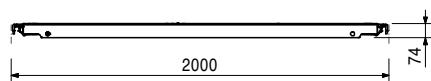
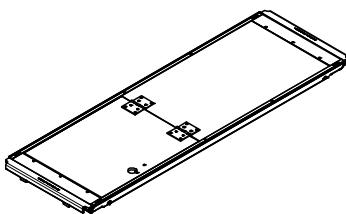
Load Class 3, 2.0 kN/m².



114811 18,400 **Access Deck UAL-2, 64 x 200/3**

Technical Data

Load Class 3, 2.0 kN/m².



Accessories

103607 3,450

Ladder UEL with Hook

PERI UP Rosett Reinforcement Scaffold R72/R104 UDS

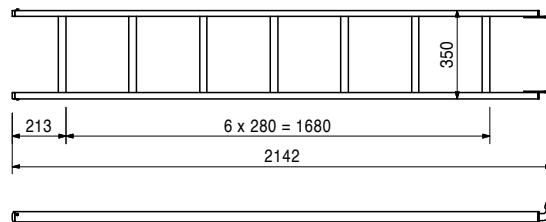
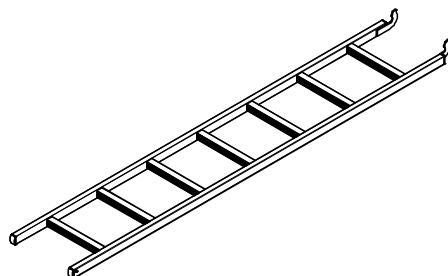


Item no. Weight kg

103607 3,450

Ladder UEL with Hook

For attaching to Access Deck UAL without ladder
or Access Deck UAL with ladder.



125172	4,130
125173	5,200
125174	6,270
125175	7,340
125176	9,470

Toeboards Wood UPT-3

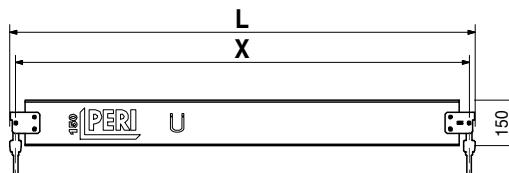
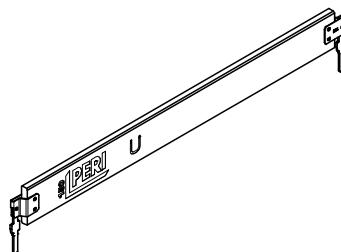
Toeboard Wood UPT-3 150
Toeboard Wood UPT-3 200
Toeboard Wood UPT-3 250
Toeboard Wood UPT-3 300
Toeboard Wood UPT-3 400

L X

1538	1500
2038	2000
2538	2500
3038	3000
4038	4000

Note

All Toeboards UPT-2 can be replaced by the
Toeboards UPT-3.



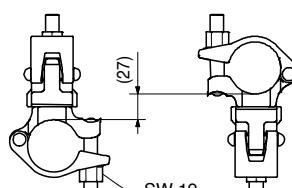
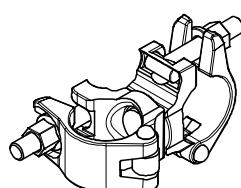
017010 1,400

Swivel Coupling DK 48/48, galv.

For Scaffold Tubes Ø 48 mm.

Note

Wrench size SW 19.



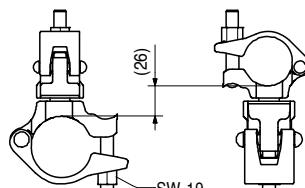
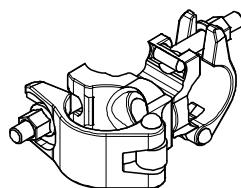
017000 1,540

Swivel Coupling DK 60/48, galv.

For Scaffold Tubes Ø 48 mm and Ø 60 mm.

Note

Wrench size SW 19.



PERI UP Rosett Reinforcement Scaffold R72/R104 UDS

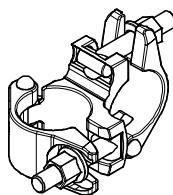
PERI

Item no. Weight kg

017020 1,120

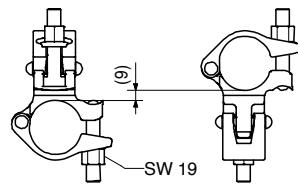
Standard Coupler NK 48/48, galv.

For Scaffold Tubes Ø 48 mm.



Note

Wrench size SW 19.

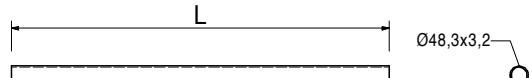
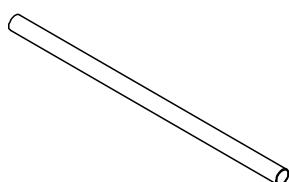


026412	7,100
026419	17,750

Scaffold Tubes Steel Ø 48.3 x 3.2
Scaff. Tube Steel Ø 48.3 x 3.2, l = 2.0 m
Scaff. Tube Steel Ø 48.3 x 3.2, l = 5.0 m

L

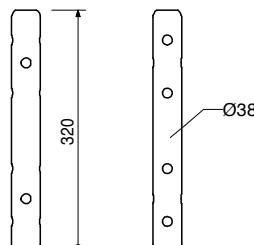
2000
5000



100301 1,020

Spigot ULT 32

Lose pin for connecting scaffold tubes Ø 48.3 x 3.2 mm, e.g. top standards, lattice girders.



Accessories

111053	0,059
100719	0,060

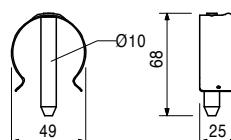
Locking Pin Ø 48/57

Hex. Bolt ISO 4014 M10 x 70-8.8 MU, galv.

111053 0,059

Locking Pin Ø 48/57

As tension-proof connection of standards with a diameter of 48 up to 57 mm.



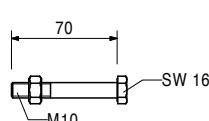
100719 0,060

Hex. Bolt ISO 4014 M10 x 70-8.8 MU, galv.

As tension-proof connection of standards for suspended scaffold or lattice girders.

Note

Wrench size SW 16.

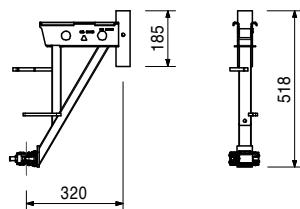


PERI UP Rosett Reinforcement Scaffold R72/R104 UDS

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Item no. Weight kg

100235 5,010 **Console Bracket UCB 32**

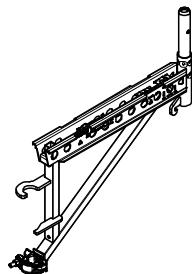


Accessories

100478	0,110	Locking Pin Ø 48/57, galv.
100301	1,020	Spigot ULT 32

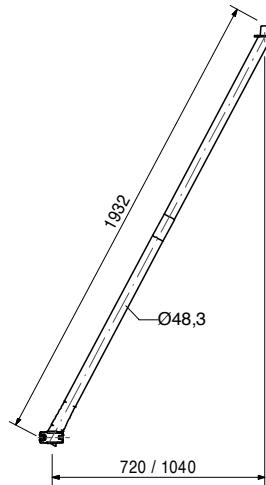
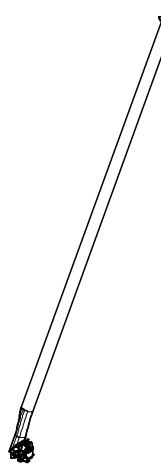
100224 8,880 **Console Bracket UCB 72**

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100401 7,610 **Bracket Brace UCP 72/104**

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