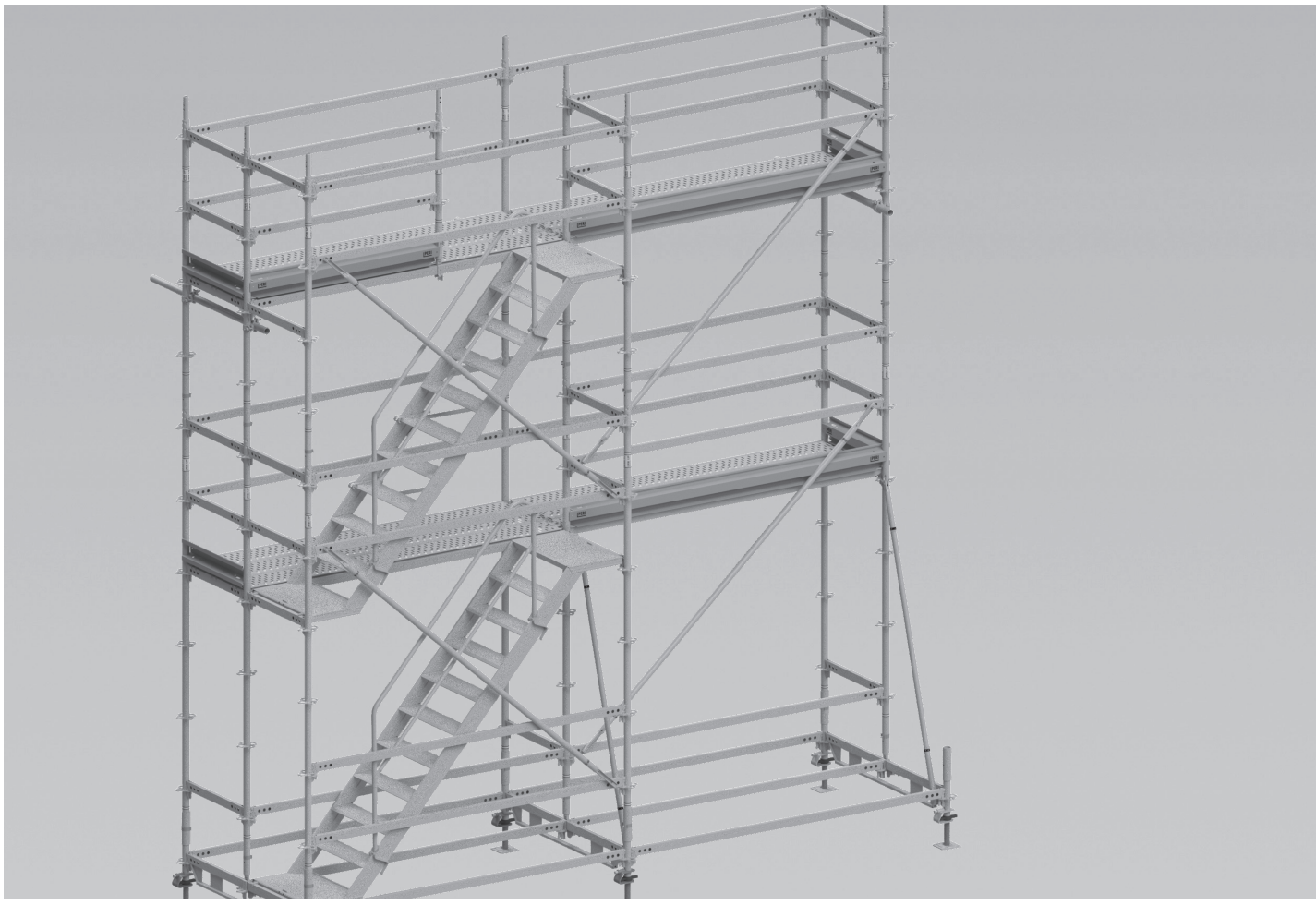
PERI UP Flex

Reinforcement Scaffold 75 and 100 with Stair Tower

Instructions for Assembly and Use – Standard configuration – Version 2.1



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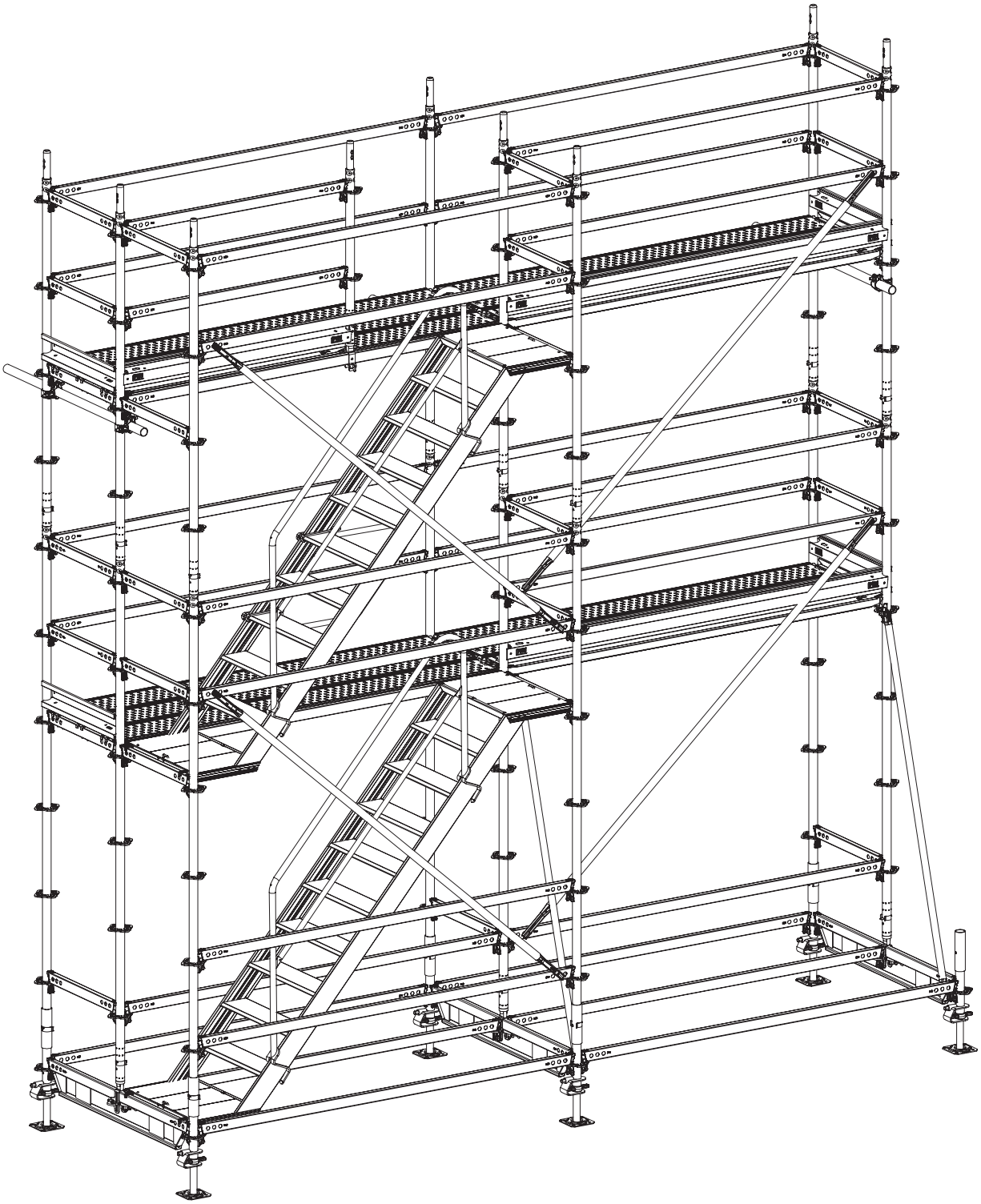
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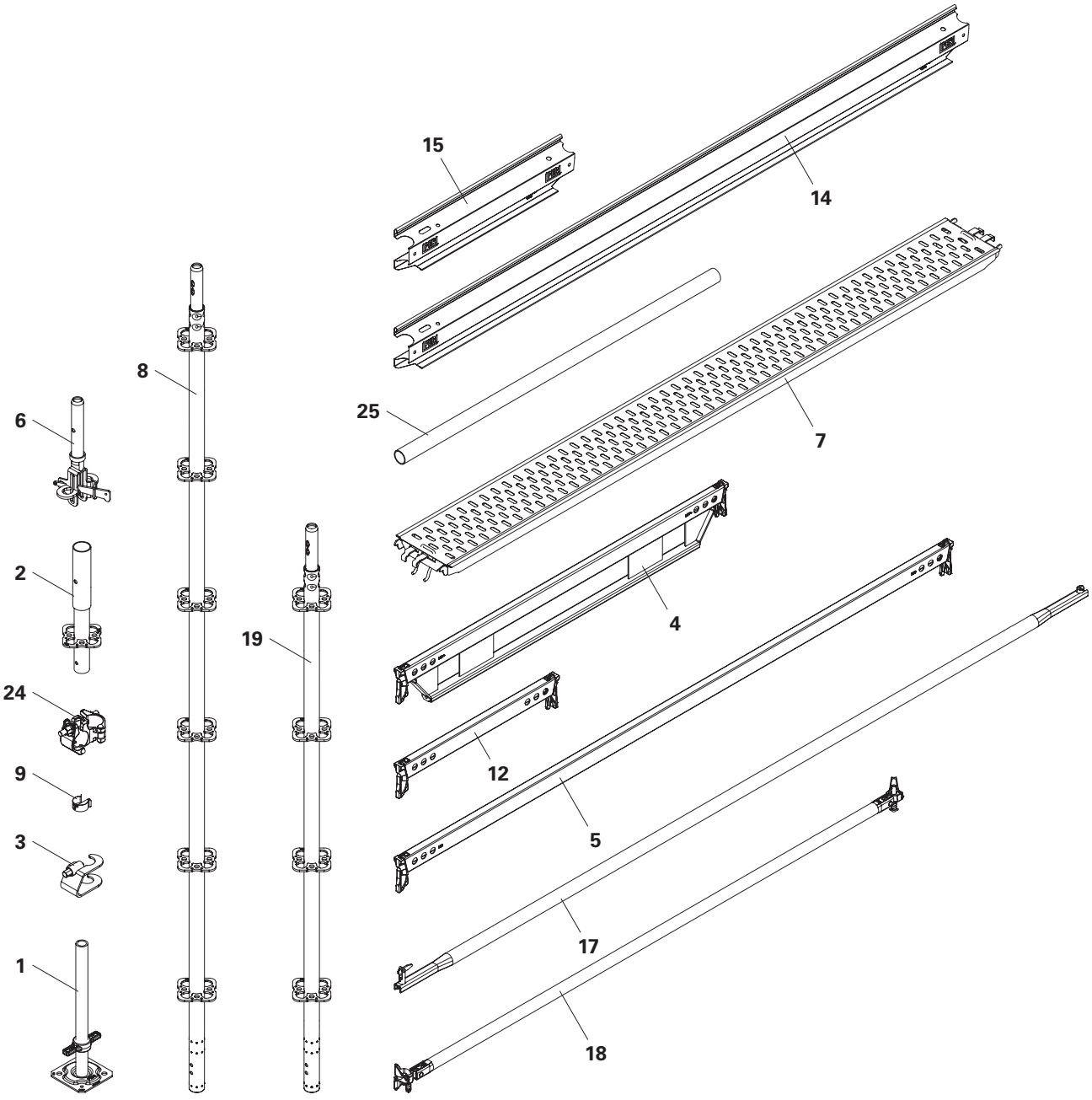
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Overview

Standard configuration with base width 150 cm

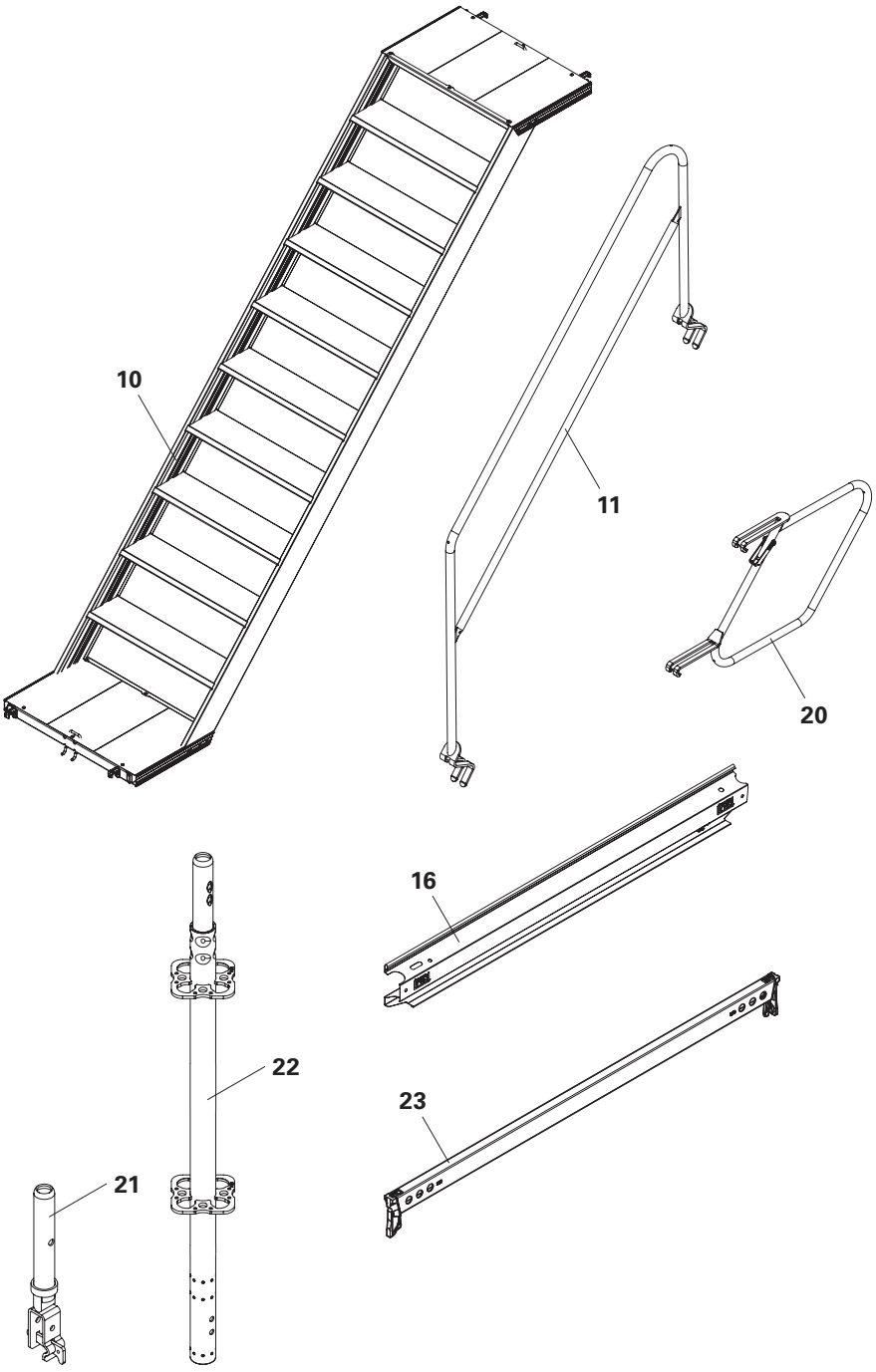


Main components of scaffolding bay



1 Adj. Base Plate UJB 38-50/30
2 Base Standard UVB 25
3 Handle Locking UJS
4 Horizontal Ledger UHV-2 150
5 Horizontal Ledger UH-2 250
6 Ledger Bracket UHA-2 half Spig.
7 Steel Deck UDG 25 x 250
8 Standard UVR-2 300
9 Locking Pin Ø48-57mm
12 Horizontal Ledger UH-2 75
14 Toeboard Steel UPY 250
15 Toeboard Steel UPY 75
17 Ledger Brace UBL-2 250/200
18 Node Brace UBK-2 75/200
19 Standard UVR-2 200
24 Standard Coupl. RA Ø48/48mm ga
25 Scaff. Tube 48.3x3.2mm lfm ga

Main components of access bay



10 Flex Stair UAS-2 75 x 250/200
11 Stair Guardrail UAG
16 Toeboard Steel UPY 150
20 Stair Guardrail UAH-2
21 UH-Spigot-2
22 Standard UVR-2 100
23 Horizontal Ledger UH-2 150

Overview

Key

Pictogram | Definition


Danger/Warning/Caution


Note


To be complied with


Load-bearing point


Visual inspection


Tip


Incorrect use


Safety helmet


Safety shoes


Safety gloves


Safety goggles


Personal protective equipment to prevent falling from a height (PPE)

Arrows

→ Arrow representing an action

⇨ Arrow representing a reaction of an action*

→ Arrow representing forces

* If not identical to the action arrow.

Safety instruction categories
The safety instructions alert site personnel to the risks involved and provide information on how to avoid these risks. Safety instructions can be found at the beginning of the section or before instructions for action and are highlighted as follows:


Danger
This sign indicates an extremely hazardous situation that could result in death or serious, irreversible injury if the safety instructions are not followed.


Warning
This sign indicates a hazardous situation that could result in death or serious irreversible injury if the safety instructions are not followed.


Caution
This sign indicates a hazardous situation that could result in minor or moderate injury if the safety instructions are not followed.


Note
This sign indicates situations in which failure to observe the information can result in material damage.

Format of the safety instructions


Signal word
Type and source of hazard!
Consequences of non-compliance.
⇒ Preventative measures.

Dimensions
Dimensions are usually given in cm. Other measurement units, e.g. m, are shown in the illustrations.

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

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

To facilitate understanding, detailed illustrations are sometimes incomplete. The safety equipment that might not be shown in these detailed illustrations must nevertheless be available.

Target groups

Scaffolding contractors/contractors
These assembly instructions are intended for contractors who either
- assemble, modify and dismantle the scaffolds, or
- use them, e.g. for concreting, or
- allow them to be used for other operations, e.g. carpentry or electrical work.

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

Competent person
- is appointed by the scaffolding contractor,
- must be on site for all scaffolding work,
- prepares and updates the plan for assembly, modification and dismantling,
- prepares and updates the plan for use of the scaffold by the scaffold user,
- supervises the assembly, modification and dismantling work (supervisor).

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

Qualified personnel
Scaffolds may only be assembled, modified or dismantled by personnel who are suitably qualified to do so. Qualified personnel must have completed a course of training** in the work to be performed, covering the following points at least:
- Explanation of the plan for the assembly, modification or dismantling of the scaffold in an understandable form and language.
- Description of the measures for safely assembling, modifying or dismantling the scaffold.
- Naming of the preventive measures to be taken to avoid the risk of persons and objects falling.
- Designation of the safety precautions in the event of changing weather conditions that could adversely affect the safety of the scaffold, as well as the personnel concerned.
- Details regarding permissible loads.
- Description of all other risks and dangers associated with assembly, modification or dismantling operations.



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

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

** Instructions are given by the contractor themselves or a competent person selected by them.

Additional technical documentation

- Approvals:
  - Approval Z-8.22-863 PERI UP Flex Module System
  - Approval Z-8.1-957 PERI UP Easy Scaffolding System
- Instructions for Assembly and Use:
  - PERI UP Flex Scaffolding Kit components
  - PERI UP Flex Stair 75
- User information:
  - Pallets and stacking devices

Intended use

Product description
PERI products have been designed for exclusive use in the industrial and commercial sectors only by suitably trained personnel.

These Instructions for Assembly and Use are based on the Approvals "Z-8.22-863 PERI UP Flex Module System" and "Z-8.1-957 PERI UP Easy".

They describe the standard configuration for a reinforcement scaffold as shoring for allowing temporary work to be carried out on higher positioned working areas.

For the reinforcement scaffold, all articles with the number 1XXXXX can be exchanged for the corresponding articles with the number 4XXXXX.

Features
The system is based on the PERI UP Flex Modular Scaffold.

- Up to a height of **3 scaffolding levels**, the PERI UP Flex Reinforcement Scaffold can be used
  - up to load class 4 - **3.00 kN/m²** in accordance with DIN EN 12811-1.
  - If work is carried out on several scaffolding levels at the same time, then the total load may not exceed the permissible load of 4.5 kN/m² (3.0 kN/m² on one level 1.5 kN/m² on an adjacent level).
  - In addition to the working load, a maximum of three persons may be on the stairs at the same time.
- If there are **4 or more scaffolding levels**, the reinforcement scaffold
  - can be used up to load class 3 - **2.00 kN/m²**.
  - If work is carried out on several scaffolding levels at the same time, then 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).
  - In addition to the working load, a maximum of three persons may be on the stairs at the same time.

The reinforcement scaffold fulfils wind load requirements according to DIN EN 1004 and DIN EN 12811
- for free-standing scaffold q = 0.1 kN/m² (v = 12.7 m/s),
- for scaffolds with base width 150, 200 or 250 cm: q = 0.2 kN/m² (v = 17.9 m/s),
- Several structural arrangements with up to 3 bays in longitudinal direction.

Tension-resistant connections allow the reinforcement scaffold to be moved by crane.

System dimensions
System width: 75 cm and 100 cm

Storey heights: 200 cm

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

Max. height with:
Base width 150 cm: H ≤ 6.60 m
Base width 200 cm: H ≤ 6.60 m
Base width 250 cm: H ≤ 10.60 m
(H = underside of spindle up to level of top deck)

Instructions for Use

Use in a manner not intended according to the applicable Instructions for Assembly and Use or deviations from the standard configuration or intended use represent an application with a safety risk, e.g. risk of falling.

Deviations from the standard configuration must be verified for the application by means of separate strength and stability calculations (Industrial Safety Regulation Appendix 1, No. 3.2.1) and explicitly reflected in the assembly instructions.

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

The components described in these assembly instructions may be patent-protected.

Cleaning and maintenance instructions

Clean the scaffolding components after each use to maintain the value and operational readiness of the PERI products over the long term.

Some repair work may also be inevitable due to the tough working conditions.

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



The contractor must ensure that the personal protective equipment required for cleaning, maintenance and repair work such as

- Safety helmet,
- Safety shoes,
- Safety gloves,
- Safety goggles,

is available and used as intended.

Cleaning tools must be adapted to the respective surfaces of the components so that they are not damaged.

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

Do not use plastic components if fibre reinforcements are exposed.

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

Do not clean components suspended on crane lifting gear.

Components with wood parts are to be stored in well-ventilated and dry conditions.

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

Disposal

Carry out disposal in accordance with the relevant national regulations.

Cross-system



Safety instructions apply to all service life phases of the system.

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

These assembly instructions can be used as the basis for preparing the risk assessment. The risk assessment is compiled by the contractor. The assembly instructions do not replace the risk assessment!

Observe and comply with the safety instructions and permissible loads.

For the application and inspection of PERI products, the current safety regulations and guidelines valid in the respective countries must be observed.

Materials and working areas are to be inspected before each use and assembly for:
- damage,
- stability and
- functional integrity.

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

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

When on slab formwork, scaffolds and working platforms:
- do not jump,
- do not run,
- do not drop anything from or onto it.

Components provided by the contractor must comply with the characteristics stipulated in these Instructions for Assembly and Use and all applicable laws and standards. Unless otherwise indicated, the following applies in particular:
- Timber components: Strength Class C24 for Solid Wood according to EN 338.
- Scaffolding tubes: galvanised steel tubing with minimum dimensions of Ø 48.3 x 3.2 mm according to EN 12811-1:2003 4.2.1.2.
- Scaffolding tube couplings according to EN 74-1 and EN 74-2.

Deviations from the standard configuration are only permitted after a further risk assessment has been carried out by the contractor.

Appropriate measures for working and operational safety, as well as stability, are defined on the basis of this risk assessment.

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

Before and after exceptional occurrences that may have an adverse effect on the safety of the scaffolding system, the contractor must immediately
- produce another risk assessment and make use of its results to take suitable steps to guarantee the stability of the scaffolding system,
- arrange for an extraordinary inspection to be carried out by a competent person qualified to do so. The aim of this inspection is to identify and rectify any damage in good time in order to guarantee safe use of the scaffolding system.

Exceptional events could be:
- accidents,
- long periods of non-use,
- natural events, e.g. heavy rainfall, icing, heavy snowfall, storms or earthquakes.

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

On the basis of the risk assessment and the applicable Instructions for Assembly and Use, the contractor must draw up assembly instructions to guarantee safe assembly, modification and dismantling of the scaffolding system.

Before initial use, the safe functioning of the scaffold must be checked by a person qualified to carry out the inspection. The results of the inspection must be documented in an inspection log.



The contractor must ensure that the personal protective equipment required for the assembly, modification or dismantling of the scaffolding system, e.g.
- Safety helmet,
- Safety shoes,
- Safety gloves,
- Safety goggles,

is available and used as intended.

Comply with the respective assembly descriptions and safety instructions when making modifications or additions to the scaffold.



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

The contractor must
- provide safe working areas for site personnel, which are to be reached through the provision of safe access ways. cordon off and clearly mark danger zones.
- guarantee stability during all stages of construction, in particular during assembly, modification and dismantling operations.
- ensure and demonstrate that all loads that occur are safely transferred.

Use
Every contractor who uses or allows the scaffolding systems to be used, is responsible for ensuring that the equipment is in good condition.

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

When scaffolds are used in publicly accessible areas,
- measures to prevent unauthorised use, e.g. enclosure of access areas, must be taken.
- measures are taken against injuries caused by bumping against protruding components, e.g. assembly of protective components.

Always keep the contact surfaces of the scaffold free of dirt, objects, snow and ice.
Close off the scaffold in extreme weather conditions.

System-specific

The load-distributing support used, e.g. planking, must match the respective substrate. If multiple layers are required, planks are to be arranged crosswise. It must be ensured that the scaffold cannot shift in a horizontal direction, irrespective of what substrate is being used.

Close the access hatches immediately after use.

Couplings with screw closures must be tightened with 50 Nm. This corresponds to a force of 20 kg using a lever arm length of 25 cm.

Secure the wedges with a jarring blow using a 500 g hammer.

Reaction forces

The anchoring forces, the position of the anchoring and the support reactions can be found in the corresponding tables in the respective Instructions for Assembly and Use.

The enclosure of the scaffold or mounting of additional surfaces exposed to the wind changes the stability and must be calculated separately. If necessary, additional measures must be implemented.

Anchoring must be installed progressively with the erection of the scaffold assembly.

The anchoring forces must be transferred into sufficiently load-bearing anchorage via wall ties and fixing materials e.g. the building.

Checking the anchoring

The anchoring and its components must be inspected by a qualified person nominated by the scaffolding contractor.

Load tests must be carried out at the place of use.

Load tests are to be carried out using suitable test equipment.

The test load must be 1.2 times higher than the required anchoring force $F_{\perp}$.

The scope of testing must, however, include a minimum of 5 load tests for all dowels used for concrete anchoring bases (at least 10 %) and for other building materials (at least 30 %).

Ensure that the relevant national guidelines and regulations are complied with!

Storage and transportation

Store and transport components in such a way that no unintentional change in their position is possible. Detach load-lifting accessories and lifting gear from the lowered components only if they are in a stable position and no unintentional change is possible.

Do not drop the components.

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

During the moving procedure:
- Ensure that components are picked up and set down in such a way that unintentional falling over, falling apart, sliding, falling down or rolling is avoided.
- No one is allowed to remain under the suspended load.

Always guide pre-assembled scaffolding bays, scaffolding units or scaffolding sections with ropes when moving them by crane.

The access areas on the construction site must be free of obstacles and tripping hazards, and must also be slip-resistant.

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

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

Weights

The component weights stated in the program overview may fluctuate depending on production.

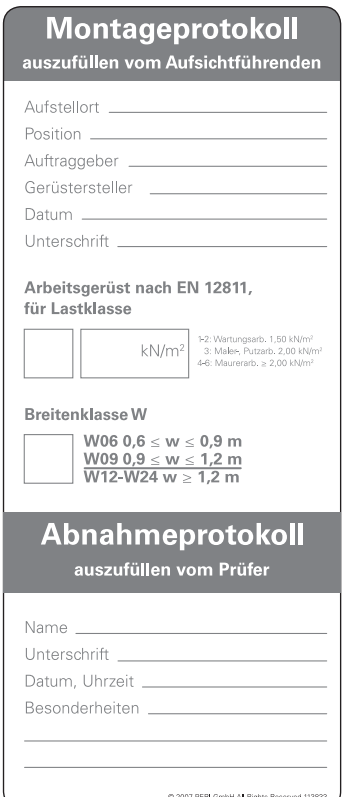
Identification marking

When carrying out the work the following identification markings must be observed:
If certain parts of the scaffold are not ready for use – especially during assembly, modification and dismantling – a "No Entry" warning sign restricting access must be clearly displayed (see Sign 1).
In addition, the area must be adequately closed off in order to prevent access.

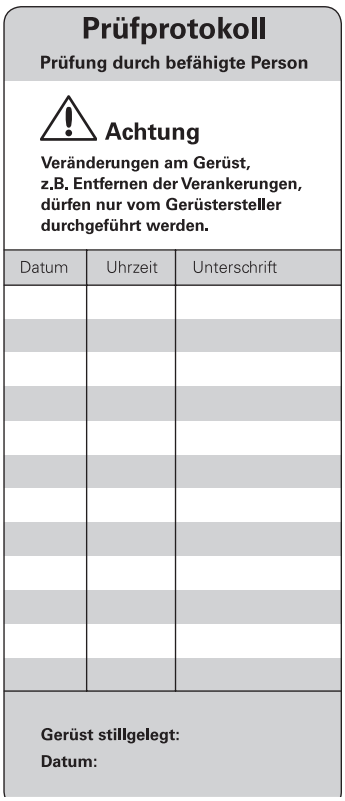
After assembly has been completed, all scaffold entry points must clearly display the designated sign. (Sign 2)
The identification marking does not replace the inspection log! (Sign 2, rear side)



Sign 1



Sign 2



Sign 2, rear side

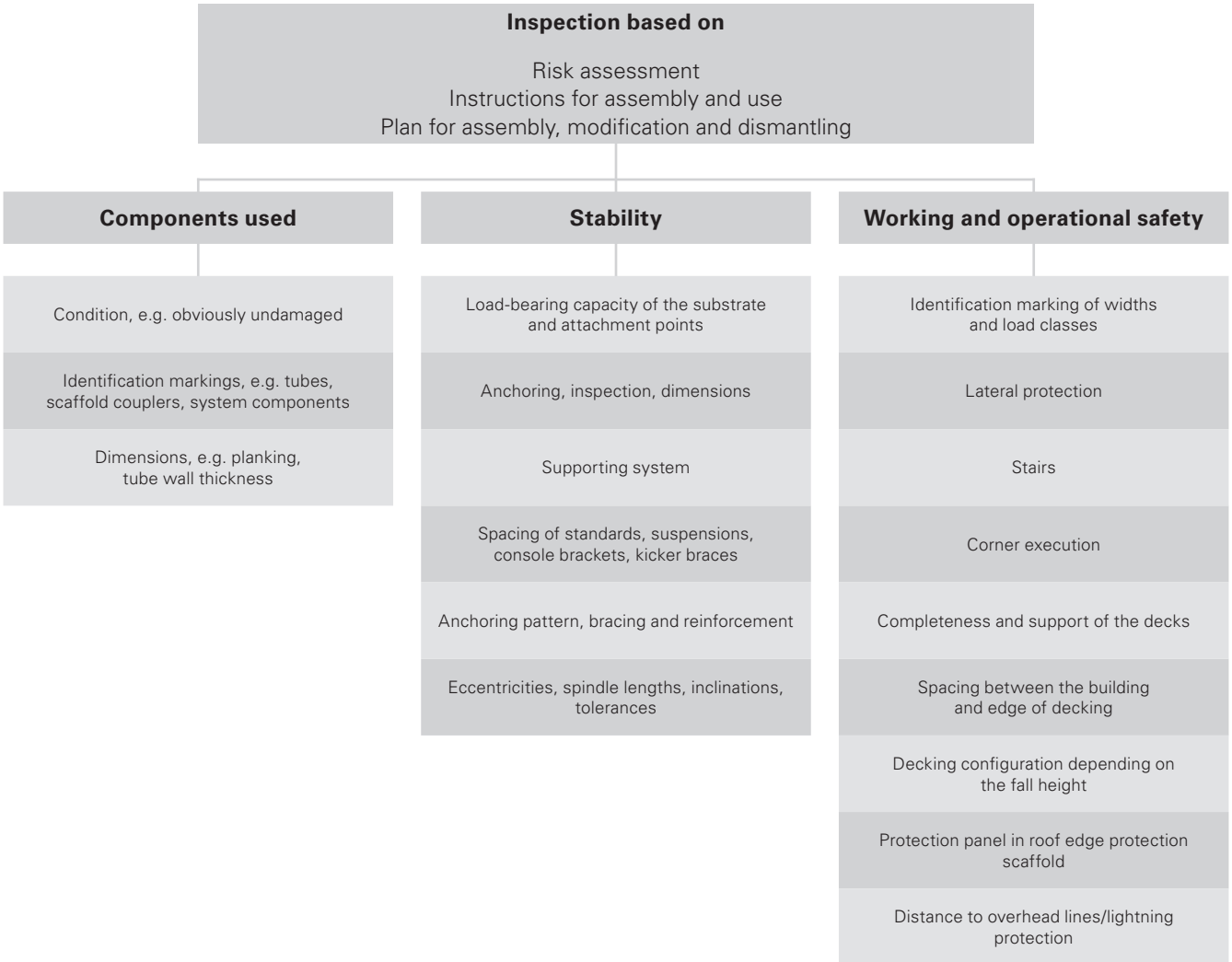
Inspection, handover and use

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

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

- **Put up safety and warning signs at the scaffold access point.**
- **Handover of a usage plan.**

The contractor who uses the scaffolds, must ensure that the scaffolds are in good condition and not arbitrarily altered in any way. In this respect, the qualified specialists must be instructed that if changes have obviously been made during use, these must be reported to the respective qualified and competent person.



Source: based on TRBS 2121 Part 1

Attachment points for PPE

Certain assembly situations could occur that require the use of personal protective equipment (PPE) to prevent falling from a height. For this, the following verified attachment points must be used:

All attachment points require the following:

- The standing height can be a maximum of one level above the last anchoring position.
- At least one anchoring layer must always be present, or the scaffold is verified to be free-standing and the tilt resistance is guaranteed.

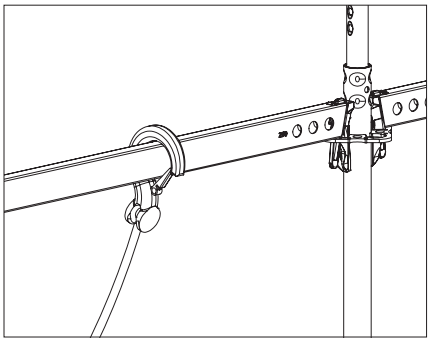


Fig. M.01

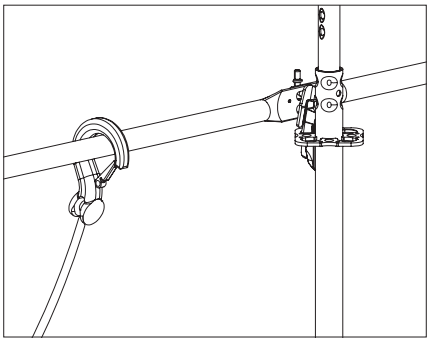


Fig. M.02

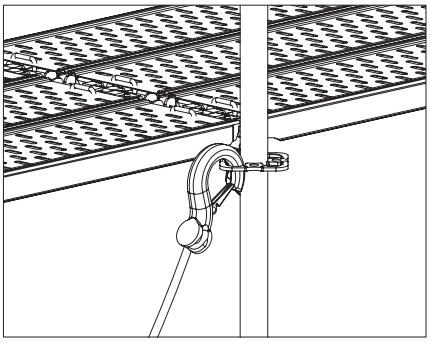


Fig. M.03

Horizontal ledger
Attachment point:
Any Horizontal Ledger UH-2 or UH Plus,

- which is freely accessible for the lifting gear,
- and is installed at a maximum height of 1.0 m above the deck level,
- and which is wedged on two rosettes of 2 standards.
  The standards must be butt-jointed at least 0.5 m below the deck level.

Guardrail
Attachment point:
Each Guardrail EPG 100 or intermediate guardrail,

- which is installed at a maximum height of 1.0 m above the deck level,
- and which is installed with 2 Guardrail Holders EPW on two rosettes of 2 standards.
  The standards must be at least 2 m long.
- and both the guardrail and the intermediate guardrail are installed.

Rosette
Attachment point:
Each rosette that is integrated into the base scaffold. See rules and regulations on the right.

Attachment points in the system

- Each specified attachment point is intended for securing only one person!

General information

– The use of personal protective equipment to prevent falling from a height is regulated in the project-related risk assessment that has been prepared by the contractor (user).
– When using personal protective equipment to prevent falling from a height, all valid standards and safety regulations are to be taken into consideration by the contractor.
– Each scaffold assembly is to be secured against tipping by the user.
– The application concerns assembly, reconstruction and dismantling.

Requirements

– The scaffold assembly underneath the final assembly level is complete. This means, all ledgers and diagonal bracing have been installed and the decking is in place as the topmost assembly level.
– The joints of the topmost standards must lie underneath the last assembly level.

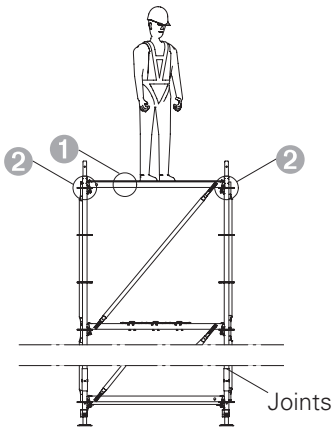


Fig. M.04

Attachment points
Standard ends approx. 2 m below the assembly level:
– each horizontal ledger in the assembly level 1,
– each rosette in the assembly level 2.

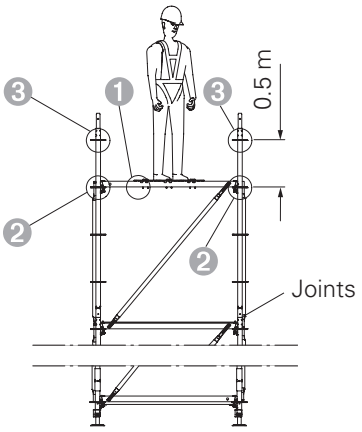


Fig. M.05

Attachment points
Standard ends approx. 1.5 m below the assembly level:
– each horizontal ledger in the assembly level 1,
– each rosette up to max. 0.5 m above the last assembly level 2 3.

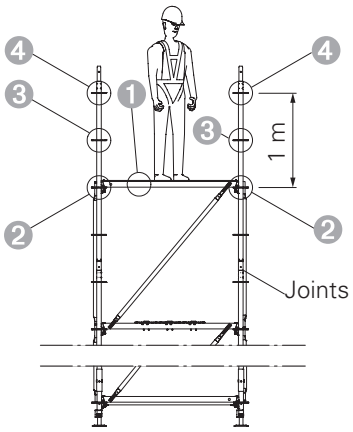


Fig. M.06

Attachment points
Standard ends approx. 1 m below the assembly level:
– each horizontal ledger in the assembly level 1,
– each rosette up to max. 1.0 m above the last assembly level 2 3 4.

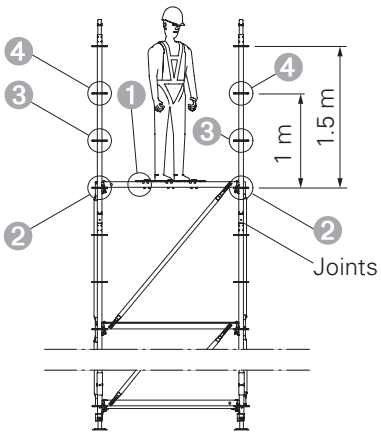


Fig. M.07

Attachment points
Standard ends approx. 0.5 m below the assembly level:
– each horizontal ledger in the assembly level 1,
– each rosette up to max. 1.0 m above the last assembly level 2 3 4.

Measures to prevent tipping

Warning

Proof of stability is required!
Ensure the stability of the superstructure for arresting falls.

⇒ Anchoring the superstructure to a suitable structure, e.g. building, abutment, supports.

⇒ Connecting the scaffold assembly by means of Horizontal Ledgers UH-2; alternatively, with scaffold tubes and couplers. (Fig. M.08)

⇒ Connecting the superstructure with other system components (Fig. M.08) or widening the base (Fig. M.09) to form stable units.

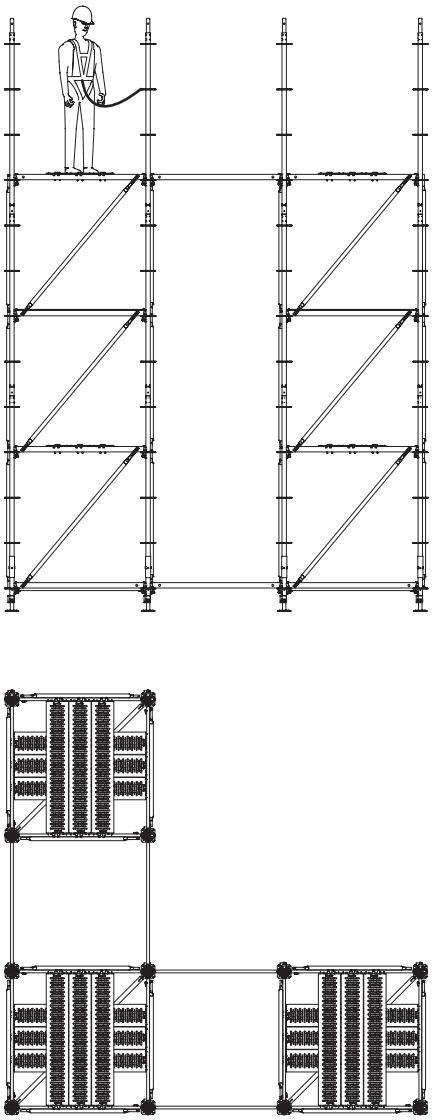


Fig. M.08

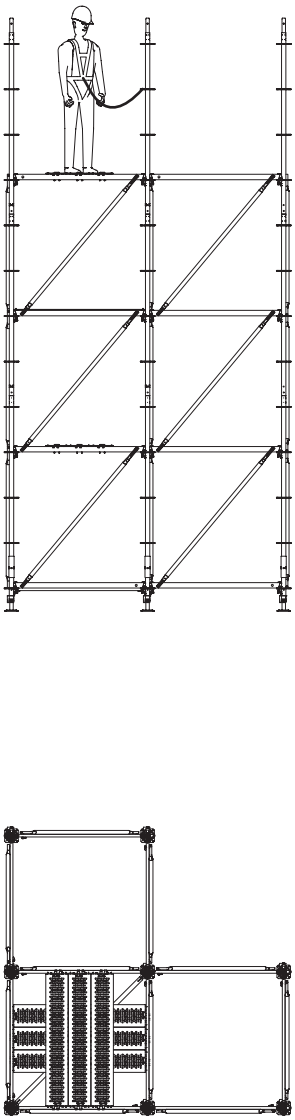


Fig. M.09

Assembly information

Wedges
After fitting a component, drive in the wedges using a 500 g hammer. Exceptions are indicated in the assembly instructions.
(Fig. M.10 + M.11)

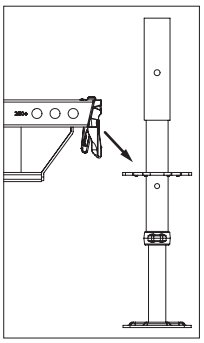


Fig. M.10

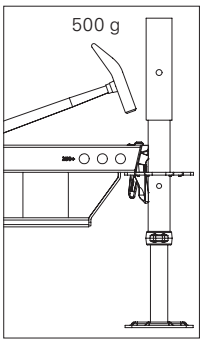


Fig. M.11

Standard joints
1. Attach the standard and align it with the holes on the standard joint.
2. Connect the standard with the Locking Pin Ø48-57mm (**9**) so that it is tension-proof.

(Fig. M.12)

The description applies to all vertical components accordingly.

Use bolt ISO 4014 M10 x 70-8.8 (**30**) instead of Locking Pin Ø48-57mm (**9**).
(Fig. M.13)

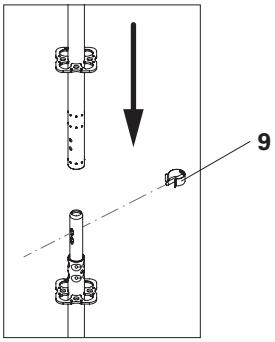


Fig. M.12

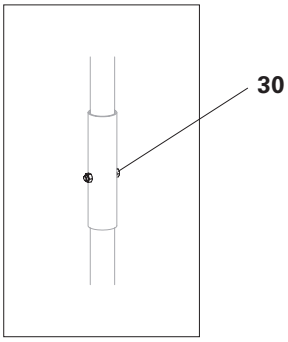


Fig. M.13

Guardrail holder mounting direction
1. Fit the Guardrail Holder EPW (**31**) rotated through 90° into the holes in the standard.
   This is the only way to ensure a tension-proof connection at the standard joints!

(Fig. M.14)

- The Locking Pin Ø48-57mm(**9**) is always fitted in the longitudinal direction from the reinforcement scaffold.
- The Guardrail Holder EPW (**31**) is always fitted in the transverse direction from the reinforcement scaffold.

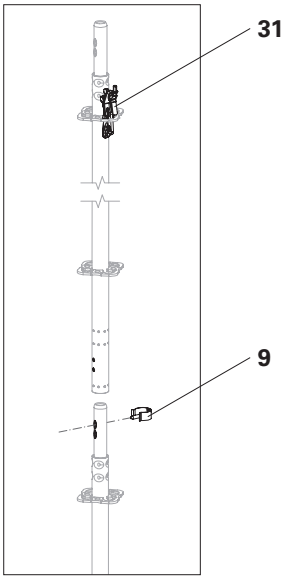


Fig. M.14

Lift lock
Steel decks and stair towers feature a lift lock. When fitting these components, make sure that the lift locks engage fully beneath the crossbars. If they do not, lift the component again slightly and drop it down or operate the lift lock manually. (Fig. M.15)

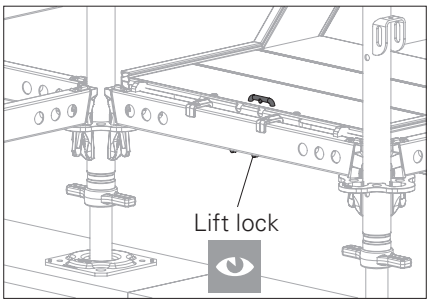


Fig. M.15

Vertical transportation

Note
Adverse effect on safety levels due to damaged scaffolding components!
⇒ Do not drop scaffolding components!
⇒ Transport and store scaffolding components in a way that poses no risk of damage to the components.

- For assembly, modification and disassembly work, guardrails and intermediate guardrails must be installed at all times in the material acceptance bay. If double-advanced guardrail posts are used, every bay is a material acceptance bay.
- Vertical transportation must be carried out under the supervision of site personnel in all situations.

If scaffolds higher than 8 m (deck height above erection surface) are being erected, construction hoists or winches should be used for vertical transportation of the scaffolding components. Observe the respective manufacturer's documentation!

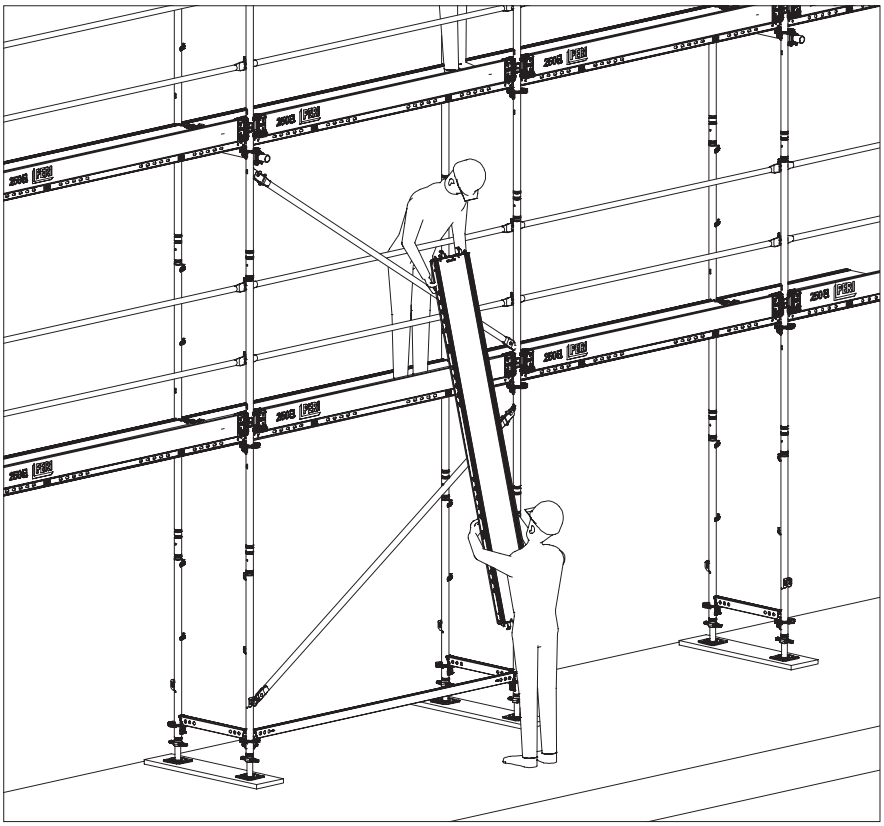


Fig. M.16

A1 Base level with base width 150

General information

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

The standard configuration constitutes the assembly process for a reinforcement scaffold with the following system dimensions:
- Base width 150 cm
- System width 75 cm
- Storey height 200 cm
- Scaffolding bay length 250 cm
- Standing height 460 cm

(Fig. A1.01)

By increasing the base width, it is possible to form a structure with a larger system width and height.
Table A1.01 shows the possible system dimensions.

- Follow the prescribed assembly sequence.
- The scaffold access grows in line with the basic scaffold.
- Do not set any objects down on the scaffold access.

The stair towers are intended for scaffolding bays with 2.50 m and 3.00 m widths. Length-determining components, e.g. Horizontal Ledger UH-2, must be selected accordingly.

The reinforcement scaffold can be extended to 3 bays.
Width of each bay: ≤ 300 cm.

System dimensions			
	Base width [cm]		
	150	200	250
System width [cm]	75	75 or 100	75 or 100
Standing height H [m]	≤6.60	≤6.60	≤10.60

Tab. A1.01

A1 Base level with base width 150

Fitting the base

System dimensions:
- Base width 150 cm
- System width 75 cm
- Max. standing height H ≤ 660 cm

Components

1	Adj.Base Plate UJB Ø38mm 50/30	6x
2	Base Standard UVB 25	6x
3	Handle Locking UJS	6x
4	Horizontal Ledger UHV-2 150	3x
5	Horizontal Ledger UH-2 250	4x
6	Ledger Bracket UHA-2 half Spi.	3x

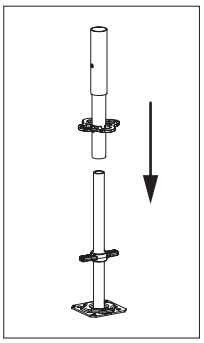


Fig. A1.01a

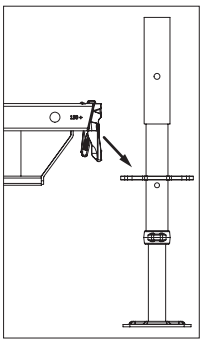


Fig. A1.01b

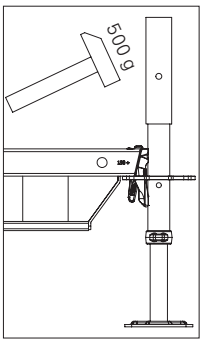


Fig. A1.01c

Assembly

1. Fit Base Standards UVB 25 (**2**) into Adj.Base Plates UJB Ø38mm 50/30 (**1**).
2. Hook Horizontal Ledgers UHV-2 150 (**4**) and Horizontal Ledger UH-2 250 (**5**) into Base Standards UVB 25 (**2**).
3. Horizontally align frame by adjusting the Adj.Base Plates UJB Ø38mm 50/30 (**1**).
   Max. spindle adjustment range for
   - Spindle UJB 38-50/30: ≤ 26 cm
   - Spindle UJB 38-80/55: ≤ 39 cm
4. Align the frame at right angles.
5. Hammer down the wedges of all the ledgers.
6. Place 3x Ledger Brackets UHA-2 half Spi. (**6**) at the system distance on the Horizontal Ledgers UHV-2 (**4**), do not hammer down the wedges for alignment just yet.
7. Secure Adj.Base Plates UJB Ø38mm 50/30 (**1**) with Handle Locking UJS (**3**).

(Fig. A1.01)

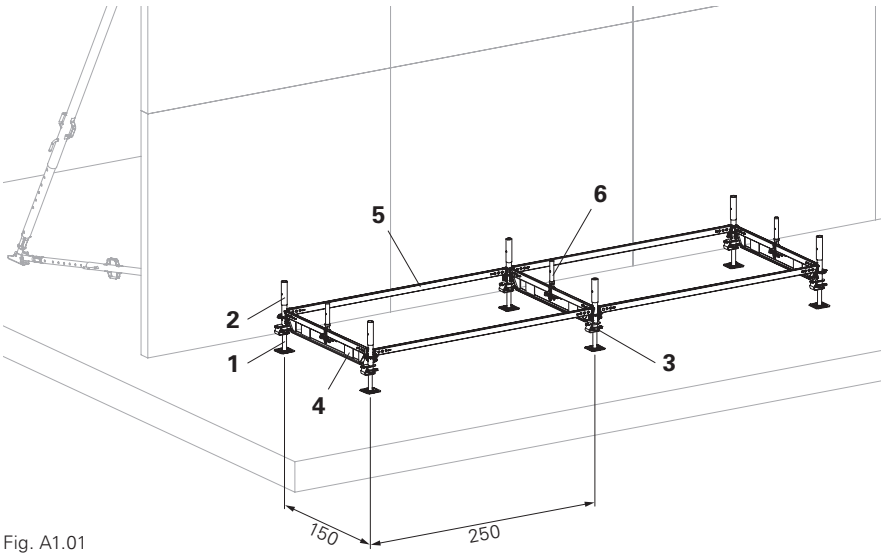


Fig. A1.01

Movement by crane

Spindle out the Adj.Base Plate UJB Ø38mm 50/30 by at least 17 cm. This is the only way to ensure a tension-proof connection between the Base Standard UVB and the Standard UVR-2 with locking pins.
(Fig. A1.01d)

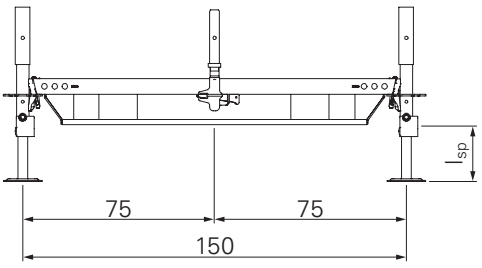


Fig. A1.01d

Spindle UJB 38-50/30:
$5 \leq l_{sp} \leq 26$ cm
Movement by crane: $l_{sp} \geq 17$ cm

Spindle UJB 38-80/55:
$5 \leq l_{sp} \leq 39$ cm
Movement by crane: not possible

A1 Base level with base width 150

Assembly decks

Components

5	Horizontal Ledger UH-2 250	2x
7a	Steel Deck UDG 25 x 250	4x
13a	Steel Deck UDG 25 x 75	4x

Assembly

1. Attach Horizontal Ledger UH-2 250 (**5**) to Ledger Bracket UHA-2 half Spi. (**6**).
2. Fit Steel Decks UDG 25 x 250 (**7a**) and Steel Decks UDG 25 x 75 (**13a**) as assembly decks.

(Fig. A1.02)

Do the lift locks engage fully beneath the horizontal ledgers?

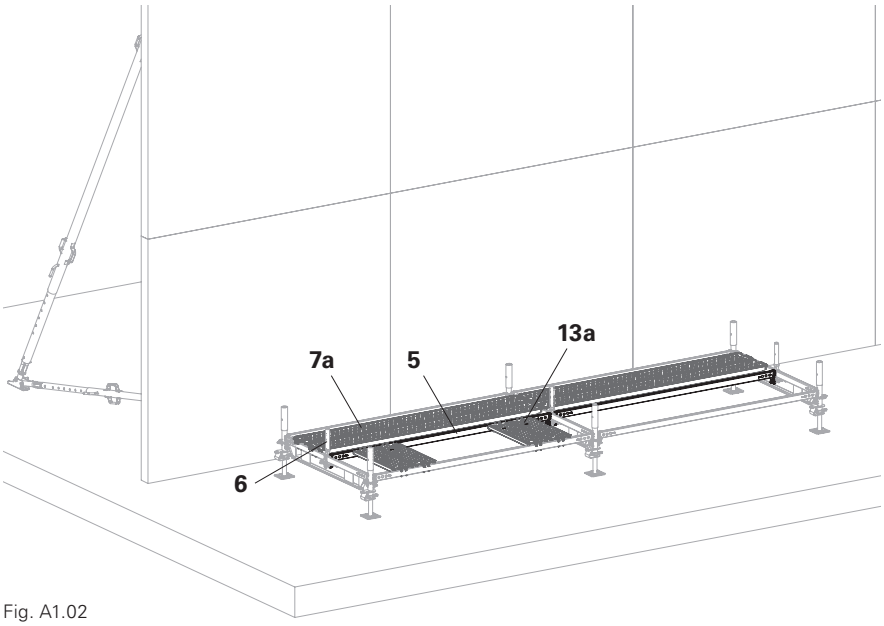


Fig. A1.02

Standards and ledgers

Components

5	Horizontal Ledger UH-2 250	5x
8	Standard UVR-2 300	8x
9	Locking Pin Ø48-57mm	8x
12	Horizontal Ledger UH-2 75	13x

Assembly

1. Insert Standards UVR-2 300 (**8**) into the Base Standards UVB 25 (**2**).
2. Tightly connect Base Standards UVB 25 (**2**) and Standards UVR-2 300 (**8**) using locking pins Ø 48/57 (**9**).

(Fig. A1.03)

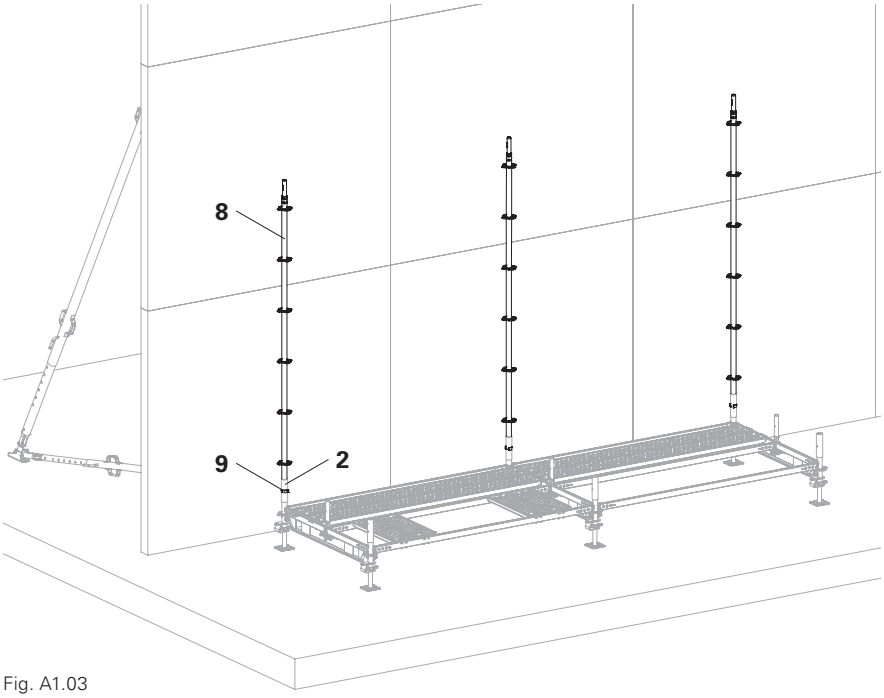


Fig. A1.03

A1 Base level with base width 150

In the case of a single assembly, the Horizontal Ledger UH–2 75 (**12a**) is only fitted temporarily.

Installing the assemblies

1. Hook Horizontal Ledgers UH-2 75 (**12**) into the Standards UVR-2 300 (**8**).
2. Install the assembly 4x.

(Fig. A1.04a)

3. Attach Horizontal Ledger UH-2 75 (**12a**) to the Standard UVR-2 300 (**8**).
4. Install the assembly 1x.

(Fig. A1.04b)

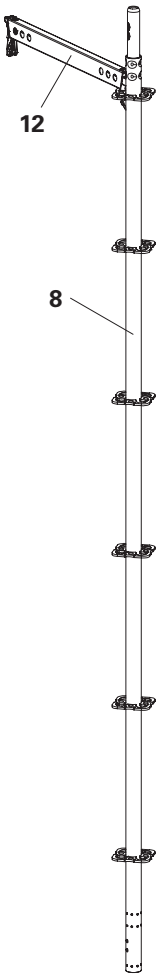


Fig. A1.04a

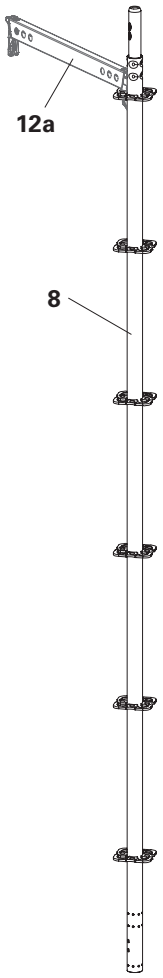


Fig. A1.04b

Assembly

1. Attach Horizontal Ledger UH-2 75 (**12/12a**) of the assemblies to the Standards UVR-2 300 (**8**) that have been fitted.
2. Insert the Standards UVR-2 300 (**8**) into the Base Standards UVB 25 (**2**) or into the Ledger Brackets UHA-2 half Spi. (**6**).
3. Connect Base Standards UVB 25 (**2**) or Ledger Brackets UHA-2 half Spi. (**6**) to Standards UVR-2 300 (**8**) using Locking Pins Ø48-57mm (**9**).

(Fig. A1.04)

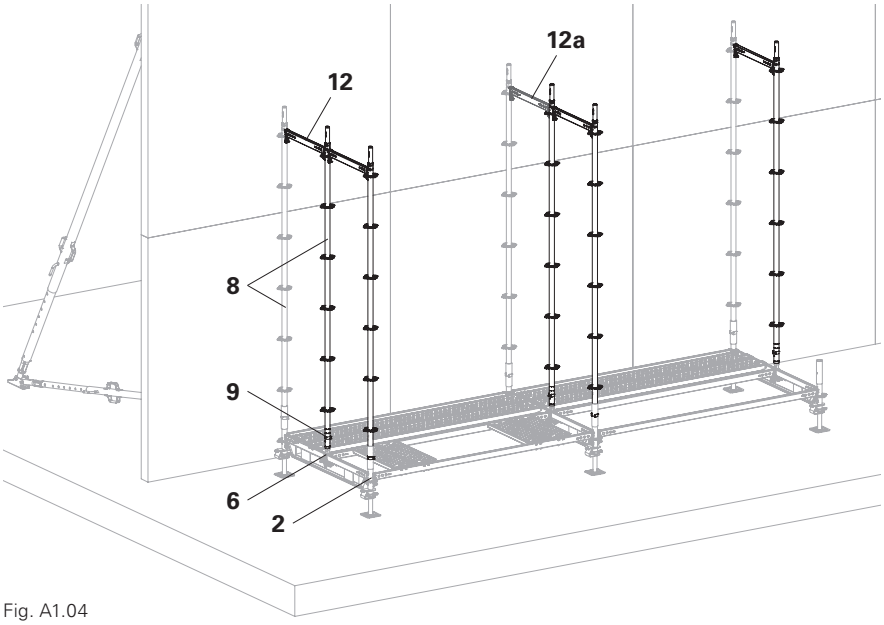


Fig. A1.04

A1 Base level with base width 150

Assembly

1. Hook Horizontal Ledgers UH-2 250 (**5**) into the Standards UVR-2 300 (**8**). Hammer all wedges into place.
2. Hook Horizontal Ledgers UH-2 75 (**12**) into the Standards UVR-2 300 (**8**). Hammer all wedges into place.

(Fig. A1.05)

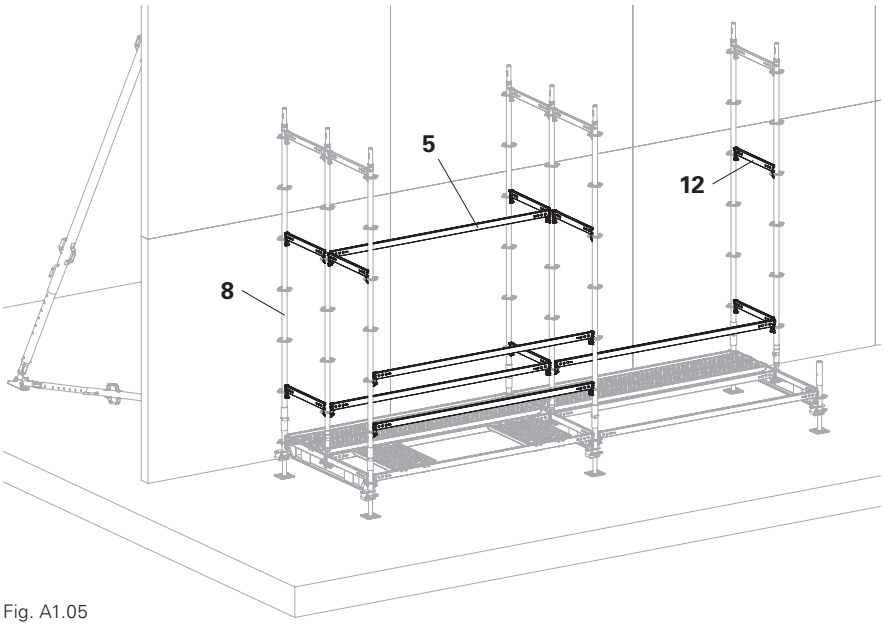


Fig. A1.05

Front-positioned staircase

Components

10	Flex Staircase UAS-2 75 x 250/200	1x
11	Staircase Guardrail UAG	1x

Assembly

1. Remove the Steel Decks UDG 25 x 75 (**13**) in the area of the stair tread.
2. Attach the Stair Tower UAS-2 75 x 250/200 (**10**) to the Horizontal Ledger UH-2 75 at the top first (**12**), then into the Horizontal Ledger UHV-2 150 (**4**) at the bottom.
3. Fit Stair Guardrail UAG (**11**) with upper suspension above the second step from the top.
4. Remove the remaining Steel Decks UDG 25 x 75 (**13**).

(Fig. A1.06)

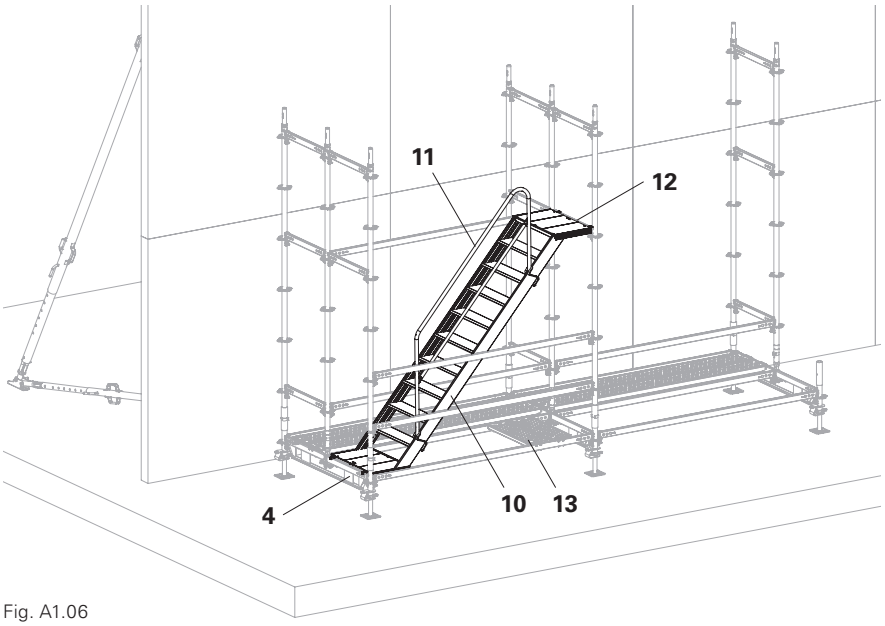


Fig. A1.06

Do both lift locks engage fully beneath the horizontal ledgers?

The Steel Decks UDG 25 x 75 (**13**) can be temporarily stored on the base level or used as an approach for the base level.

A1 Base level with base width 150

Decks

Components

7	Steel Deck UDG 25 x 250	6x

Assembly

1. Place the Steel Decks UDG 25 x 250 (**7**) on the Horizontal Ledgers UH-2 75 from below (**12**).
2. Remove the Steel Decks UDG 25 x 250 (**7a**).

(Fig. A1.07)

Do the lift locks engage fully beneath the horizontal ledgers?

- If necessary, leave the Steel Decks UDG 25 x 250 (**7a**) installed. This facilitates the reinforcement work.

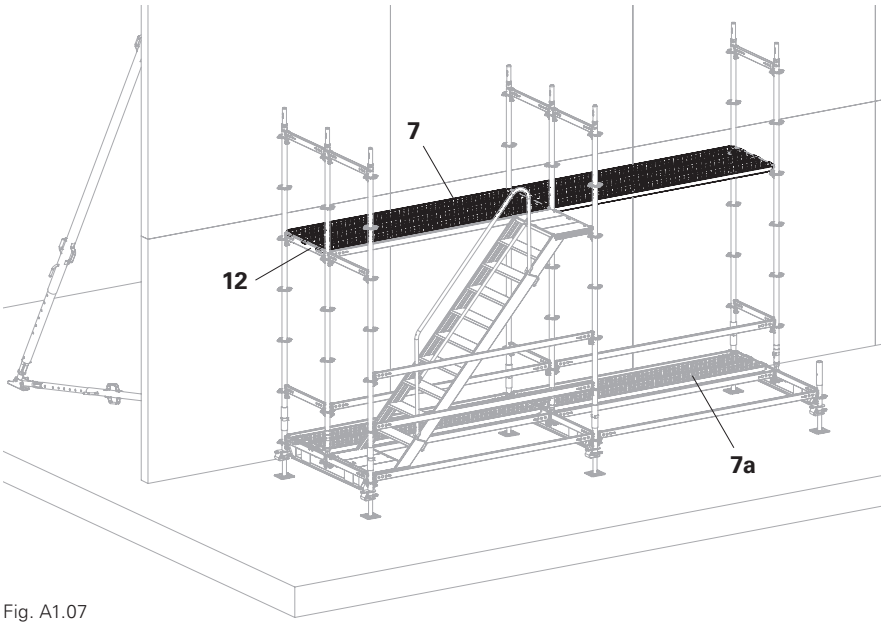


Fig. A1.07

A1 Base level with base width 150

Lateral protection

- Always carry out assembly from a safe workplace.
- The middle Horizontal Ledger UH-2 250 (**5a**) remains in place until the next scaffolding level is mounted.

Components

5	Horizontal Ledger UH-2 250	4x

Assembly

1. Attach Horizontal Ledger UH-2 250 (**5 + 5a**) to the Standards UVR-2 300 (**8**). Hammer all wedges into place. (Fig. A1.08)
2. Attach Horizontal Ledger UH-2 250 (**5**) to the Standards UVR-2 300 (**8**) from a safe position. Hammer all wedges into place.
3. Remove the temporarily mounted Horizontal Ledger UH–2 75 (**12a**). (Fig. A1.09)

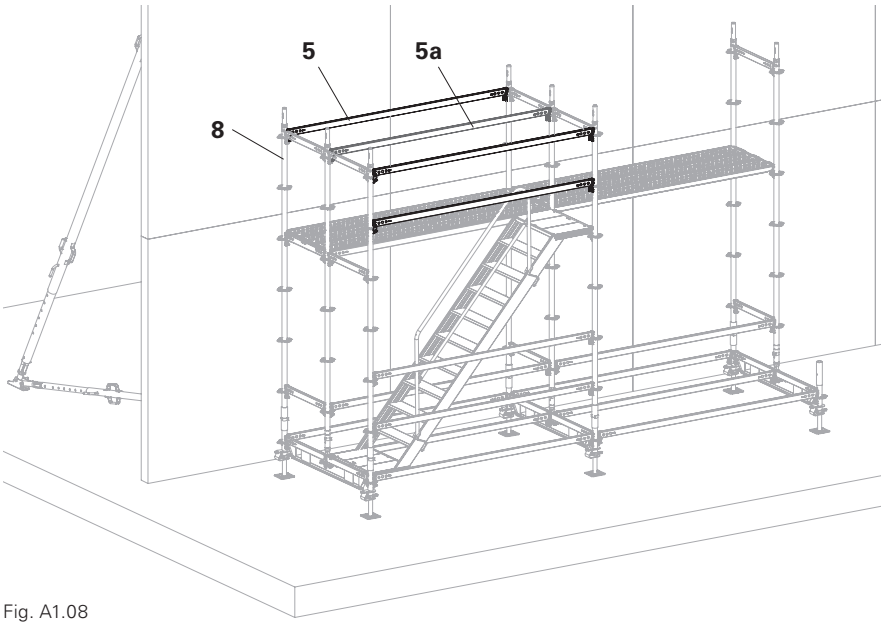


Fig. A1.08

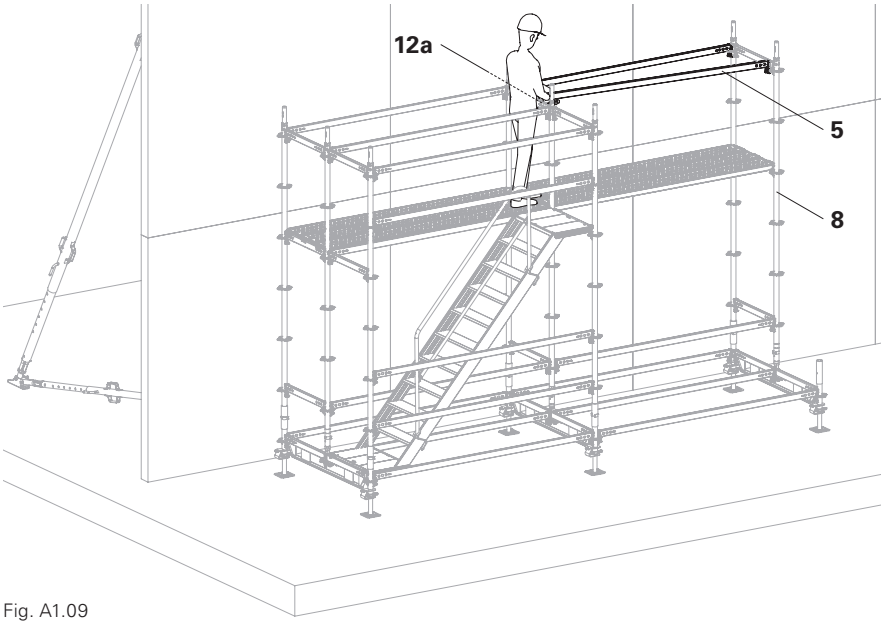


Fig. A1.09

A1 Base level with base width 150

Knee rail and toe boards

Toeboards Wood UPF can also be used in place of Toeboards Steel UPY.

Components

5	Horizontal Ledger UH-2 250	3x
12	Horizontal Ledger UH-2 75	4x
14	Toeboard Steel UPY 250	1x
15	Toeboard Steel UPY 75	2x

Assembly

1. Attach Horizontal Ledger UH-2 250 (**5**) to the Standards UVR-2 300 (**8**) as a knee rail. Hammer all wedges into place.
2. Attach Horizontal Ledger UH-2 75 (**12**) to the Standards UVR-2 300 (**8**) as a knee rail. Hammer all wedges into place.
3. Fit the Toeboard Steel UPY 250 (**14**) and Toeboards Steel UPY 75 (**15**).

(Fig. A1.10)

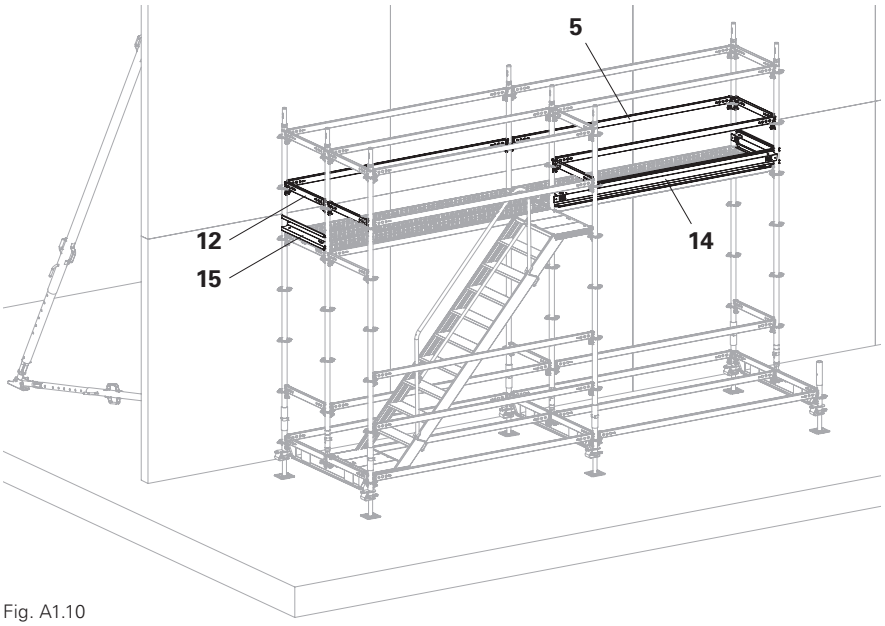


Fig. A1.10

A1 Base level with base width 150

Bracing

Components

17	Ledger Brace UBL-2 250/200	2x
18	Node Brace UBK-2 75/200	2x

Assembly

1. Insert Horizontal Ledger UBL-2 250/200 (**17**) into the upper Horizontal Ledger UH-2 250 (**5**) using the mounting finger. (Fig. A1.11 + A1.11a)
2. Insert the tilt finger into the hole of the bottom Horizontal Ledger UH-2 250 (**5**), turn finger to a transverse position to secure. (Fig. A1.11 + A1.11c)
3. Attach Node Brace UBK-2 75/200 (**18**) at the top of Standard UVR-2 300 (**8**). (Fig. A1.11 + A1.11b)
4. Attach Node Brace UBK-2 75/200 (**18**) at the bottom of Base Standard UVB 25 (**2**). (Fig. A1.11 + A1.11d)

All tilt fingers of the assembly must be transverse after installation of the Ledger Braces UBL-2 and be resting on both sides of the hole.

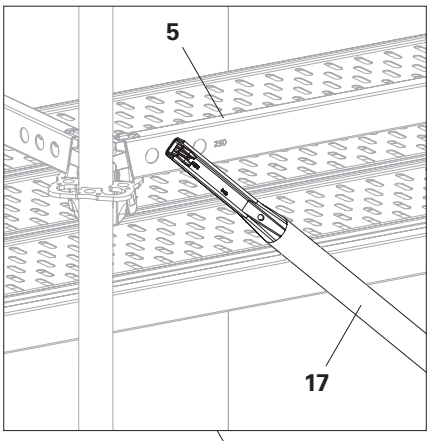


Fig. A1.11a

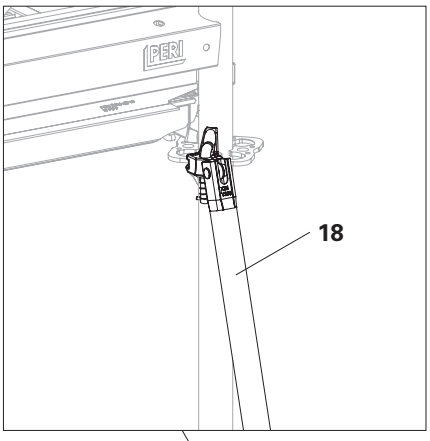


Fig. A1.11b

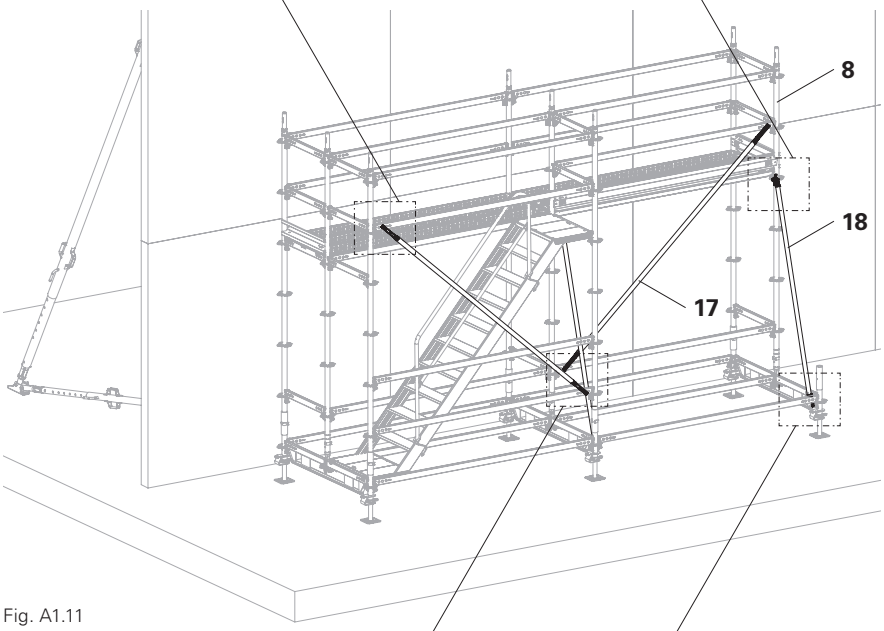


Fig. A1.11

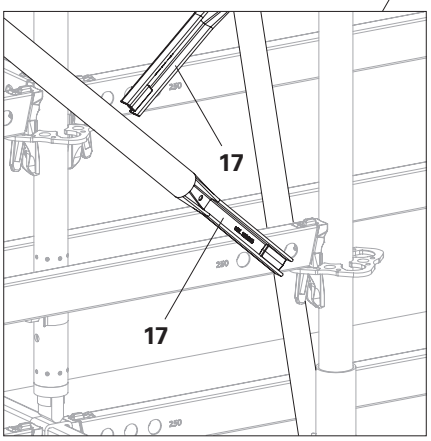


Fig. A1.11c

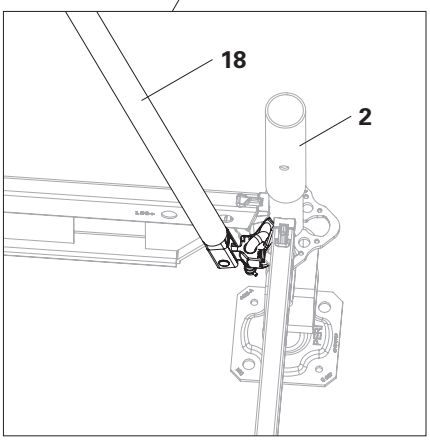


Fig. A1.11d

A2 Other levels

Standards and ledgers

Components

5	Horizontal Ledger UH-2 250	1x
9	Locking Pin Ø48-57mm	8x
12	Horizontal Ledger UH-2 75	10x
19	Standard UVR-2 200	8x

Assembly

1. Attach 3x Standards UVR-2 200 (**19**) on the wall side.
2. Pre-assemble 5x Standards UVR-2 at the top with a crossbar, see"Installing the assemblies" on page 23.
3. Install the assemblies.
4. Attach Horizontal Ledger UH-2 75 (**12**) and Horizontal Ledger UH-2 250 (**5**).

(Fig. A2.01)

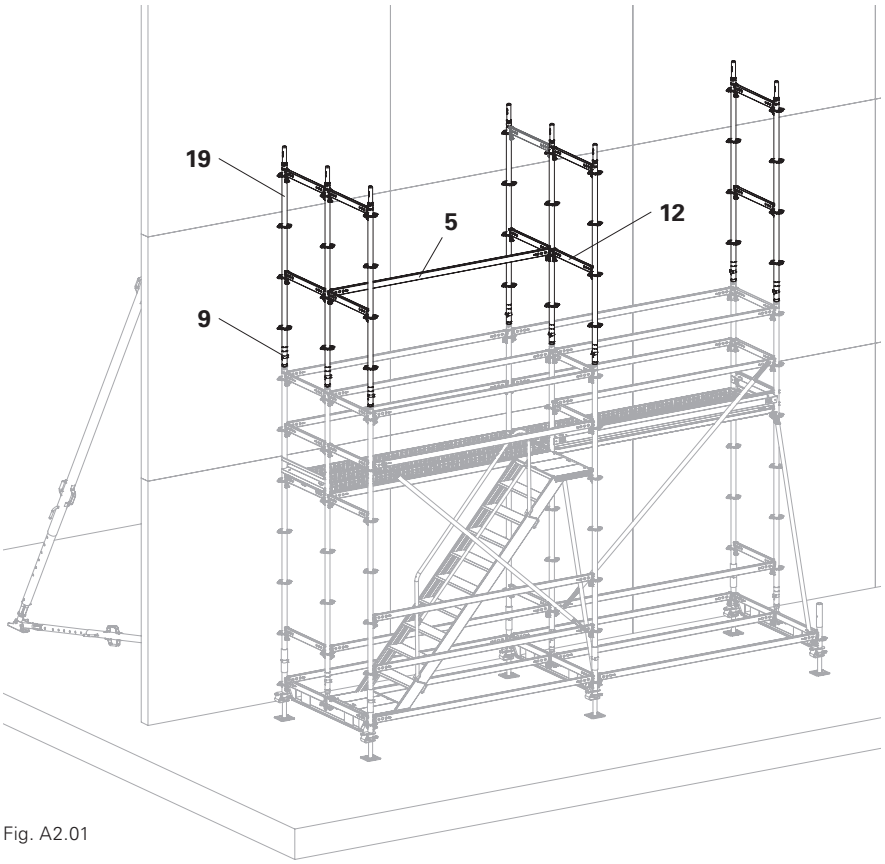


Fig. A2.01

Decks

Components

7	Steel Deck UDG 25 x 250	6x

Assembly

1. Place the Steel Decks UDG 25 x 250 (**7**) on the Horizontal Ledgers UH-2 75 from below (**12**).

((Fig. A2.02))

Do the lift locks engage fully beneath the horizontal ledgers?

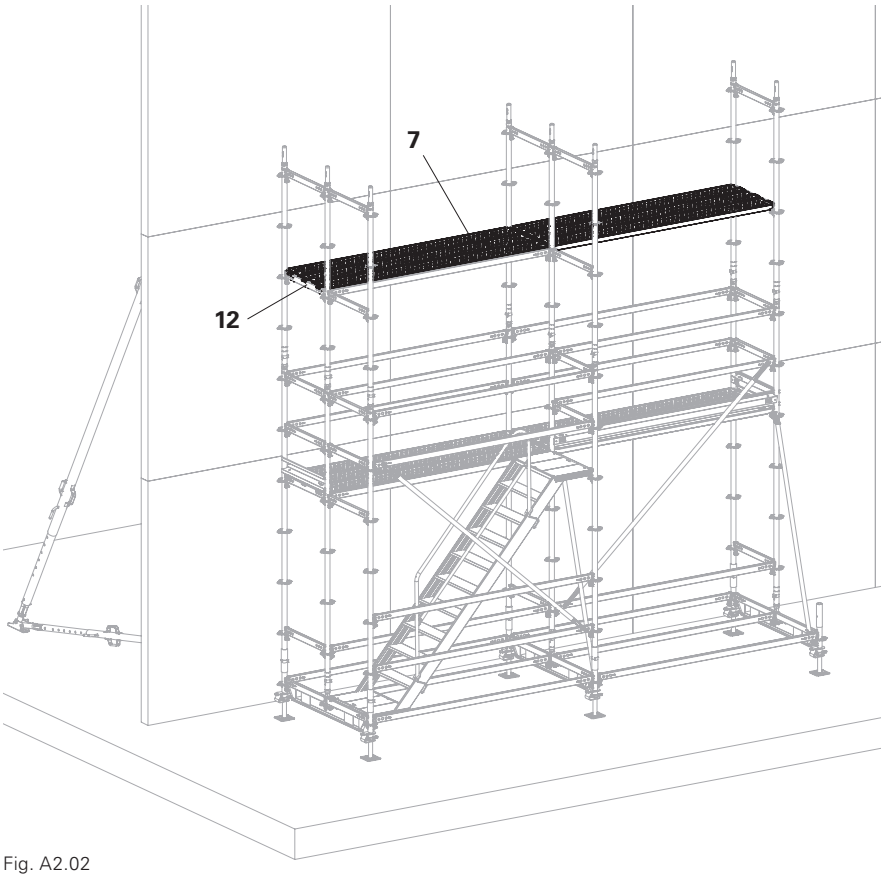


Fig. A2.02

Stair tower and guardrail

Components

5	Horizontal Ledger UH-2 250	2x
10	Flex Staircase UAS-2 75 x 250/200	1x
11	Staircase Guardrail UAG	1x
20	Stair Guardrail UAH-2	1x

Assembly

1. Attach the Flex Staircase UAS-2 75 x 250/200 (**10**) to the Horizontal Ledger UH-2 75 at the top first (**12**), then to the Horizontal Ledger UH-2 75 at the bottom.
2. Fit Stair Guardrail UAG (**11**) with upper suspension above the second step from the top.
3. Fit Stair Guardrail UAH-2 (**20**) with upper suspension above the fifth step from the top (Fig. A2.03a).
4. Attach Horizontal Ledger UH-2 250 (**5 + 5a**) to the Standards UVR-2 200 (**19**). Hammer all wedges into place.

(Fig. A2.03)



Do both lift locks engage fully beneath the horizontal ledgers?

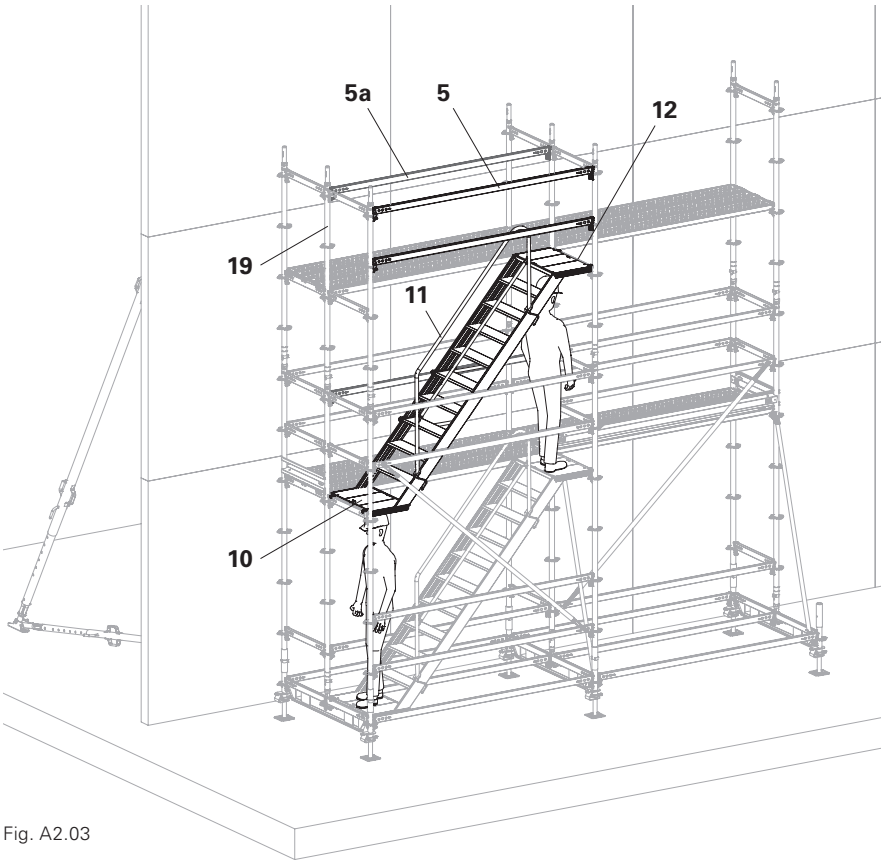


Fig. A2.03

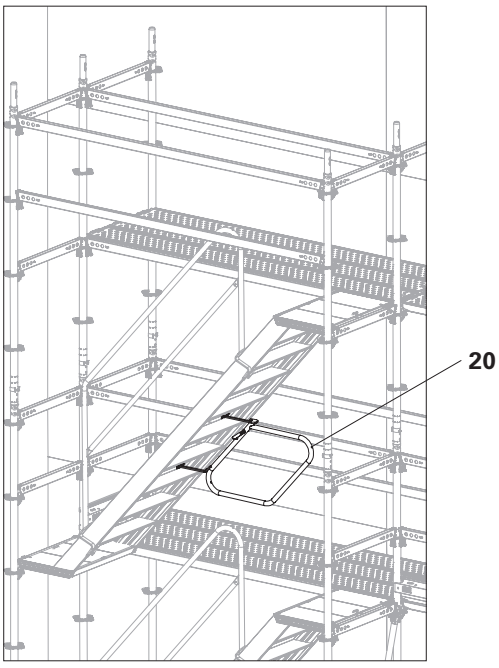


Fig. A2.03a

A2 Other levels

Ledger

Components

5	Horizontal Ledger UH-2 250	3x

Assembly

1. Attach Horizontal Ledger UH-2 250 (**5**) to the Standards UVR-2 200 (**22**) from a safe position. Hammer all wedges into place. ((Fig. A2.04))
2. Remove the Horizontal Ledger UH-2 75 (**12a**) (Fig. A2.04a).

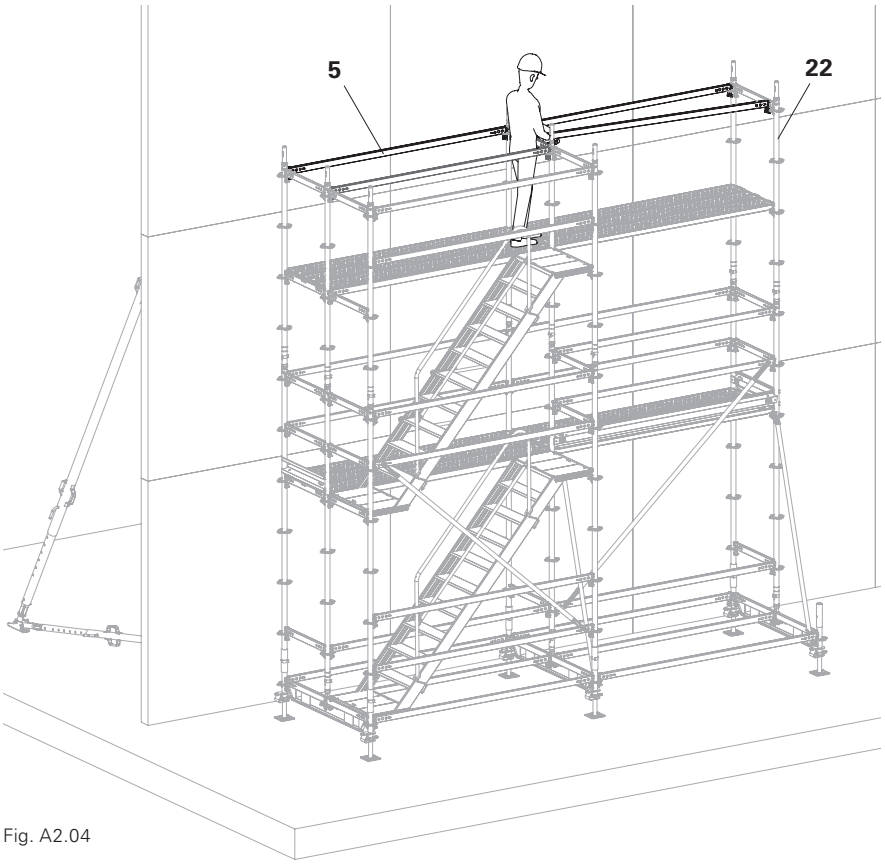


Fig. A2.04

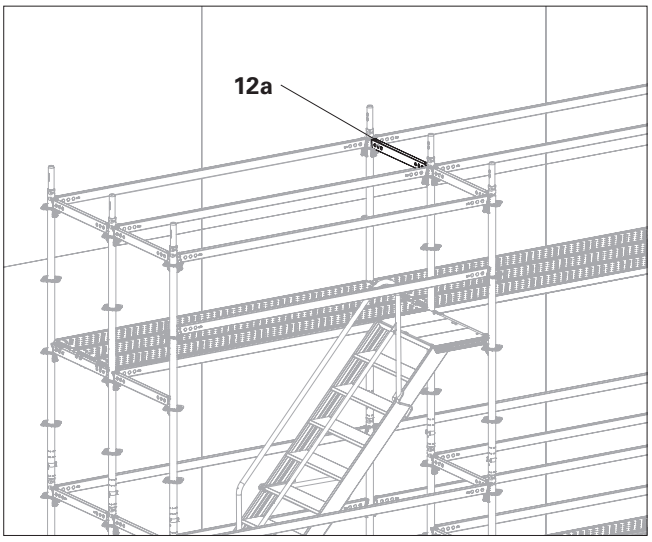


Fig. A2.04a

Knee rail, toe boards and bracing

Components

5	Horizontal Ledger UH-2 250	3x
12	Horizontal Ledger UH-2 75	2x
14	Toeboard Steel UPY 250	1x
15	Toeboard Steel UPY 75	2x
17	Ledger Brace UBL-2 250/200	2x

Assembly

1. Attach Horizontal Ledger UH-2 250 (**5**) to the Standards UVR-2 200 (**19**) as a knee rail. Hammer all wedges into place.
2. Attach Horizontal Ledger UH-2 75 (**12**) to the Standards UVR-2 200 (**19**) as a knee rail. Hammer all wedges into place.
3. Fit the Toeboard Steel UPY 250 (**14**) and Toeboards Steel UPY 75 (**15**).
4. Insert Horizontal Ledger UBL-2 250/200 (**17**) into the upper Horizontal Ledger UH-2 250 (**5**) using the mounting finger.
5. Insert the tilt finger into the hole of the bottom Horizontal Ledger UH-2 250 (**5**), turn finger to a transverse position to secure.

(Fig. A2.05)

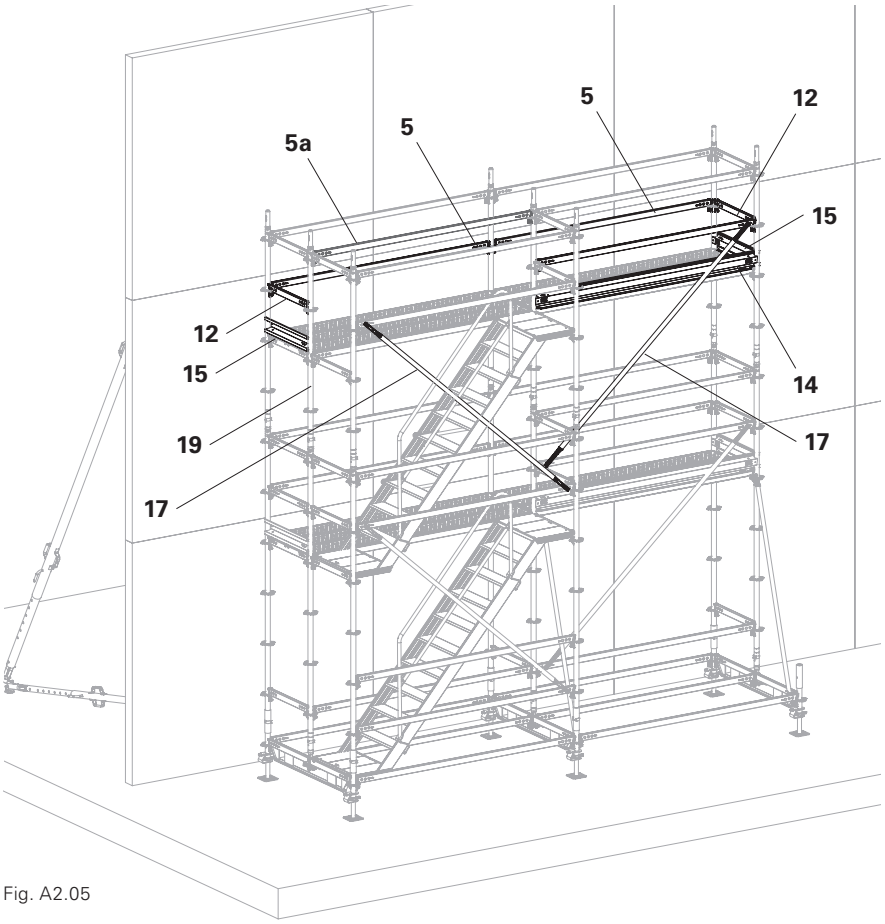


Fig. A2.05

- Do not remove the Horizontal Ledger UH-2 250 (**5a**) until the staircase to the next scaffolding level has been completed.
- All tilt fingers of the Ledger Braces UBL-2 must be transverse after installation and be resting on both sides of the hole.

A3 Uppermost level

General information

The top level is installed as described in Section "A2 Other levels" on page 29ff except for installation of the exit area and lateral protection.

Exit area and lateral protection

- Do not enter the uppermost scaffolding level until Horizontal Ledger UH-2 150 (**23**) has been mounted.
- For bay width 3.00 m, a Horizontal Ledger UH-2 200 must be fitted instead of the Horizontal Ledger UH-2 150 (**23**).

Components

9	Locking Pin Ø48-57mm	1x
21	UH Spigot-2	1x
22	Standard UVR-2 100	1x
23	Horizontal Ledger UH-2 150	1x

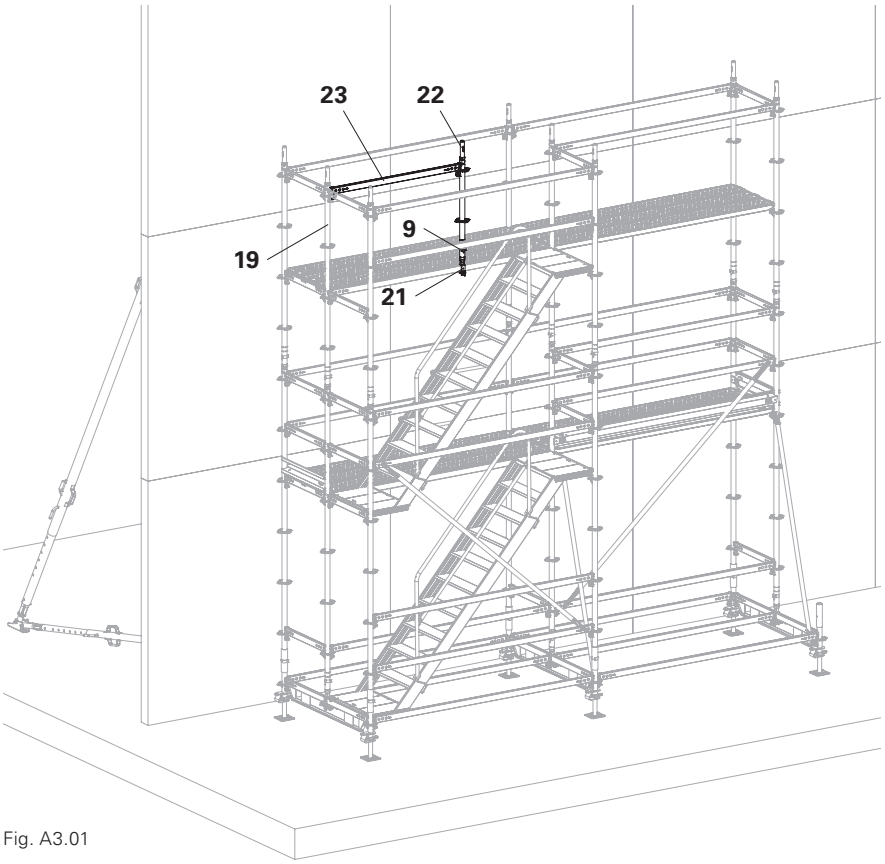


Fig. A3.01

Assembly

1. Place UH-Spigot-2 (**21**) on Horizontal Ledger UH-2 250 (**5**), do not hammer the alignment wedge in at this point.
2. Insert Standard UVR-2 100 (**22**) into UH-Spigot-2 (**21**) and connect it tightly with the Locking Pin Ø48-57 mm (**9**).
3. Attach Horizontal Ledger UH-2 150 (**23**) to Standard UVR-2 200 (**19**) and Standard UVR-2 100 (**22**).
4. Hammer all wedges into place.

(Fig. A3.01)

Knee rail, toe boards and bracing

Components

5	Horizontal Ledger UH-2 250	3x
12	Horizontal Ledger UH-2 75	3x
14	Toeboard Steel UPY 250	1x
15	Toeboard Steel UPY 75	2x
16	Toeboard Steel UPY 150	1x
17	Ledger Brace UBL-2 250/200	2x
23	Horizontal Ledger UH-2 150	1x

Assembly

1. Attach Horizontal Ledger UH-2 250 (**5**), Horizontal Ledger UH-2 75 (**12**) and Horizontal Ledger UH-2 150 (**23**) to Standard UVR-2 200 (**19**) and Standard UVR-2 100 (**22**) as a knee rail. Hammer all wedges into place.
2. Fit the Toeboard Steel UPY 250 (**14**), Toeboards Steel UPY 75 (**15**) and Toeboards Steel UPY 150 (**16**).
3. Insert Horizontal Ledger UBL-2 250/200 (**17**) into the upper Horizontal Ledger UH-2 250 (**5**) using the mounting finger.
4. Insert the tilt finger into the hole of the bottom Horizontal Ledger UH-2 250 (**5**), turn finger to a transverse position to secure.

((Fig. A3.02))

All tilt fingers of the assembly must be transverse after installation of the Ledger Braces UBL-2 and be resting on both sides of the hole.

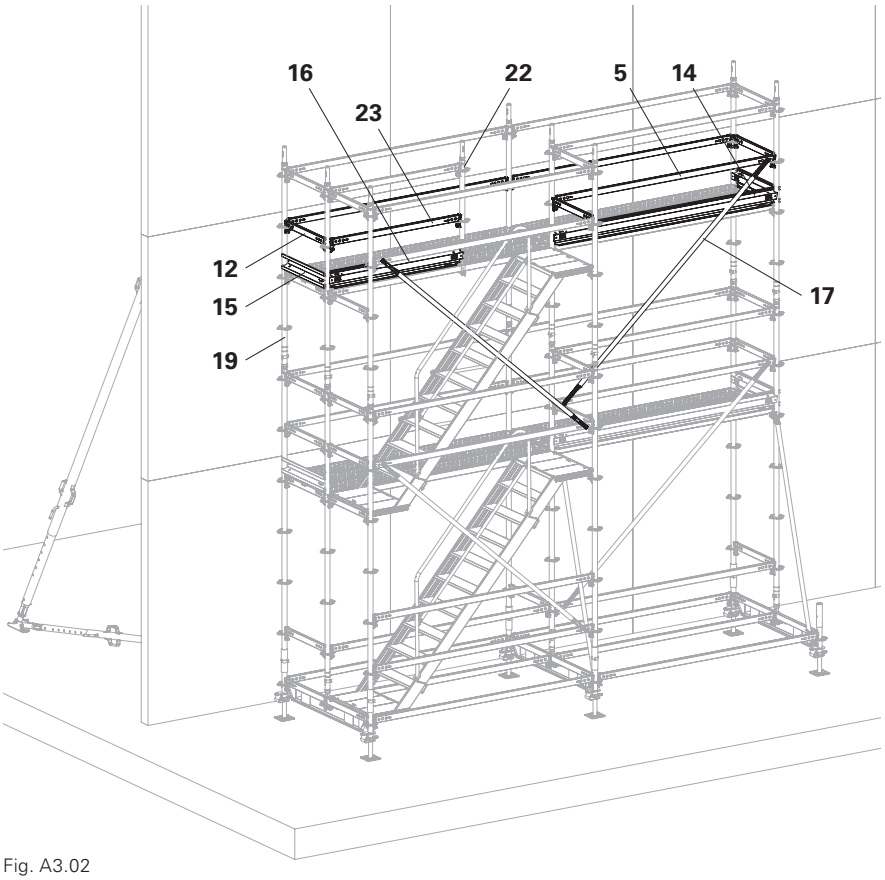


Fig. A3.02

Pressure-resistant tie

With standing heights of 4.24 m and higher, pressure-resistant ties are to be fitted to all Standards UVR-2 200 (**19**) – directly beneath the highest deck level – and positioned up against the wall or formwork.

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

Components

1	Adj. Base Plate UJB 38-50/30	2x
24	Standard Coupl. RA Ø48/48mm ga	4x
25	Scaff. Tube 48.3x3.2mm lfm ga	2x

Assembly

Directly under highest deck level.

1. Fit Scaff. Tubes 48.3x3.2mm lfm ga (**25**) onto the Standards UVR-2 200 (**19**) with Standard Couplers RA 48/48 (**24**).
2. Set up the Scaff. Tubes 48.3x3.2mm lfm ga (**25**) to suit the wall spacing.

(Fig. A3.03 + Fig. A3.03a)

Incorporating an adjustable base plate

Danger

The Adj. Base Plate UJB 38-50/30 (**1**) can slip out of the scaffolding tube during repositioning!
Serious injuries may occur.

⇒ Secure Adj. Base Plate UJB 38-50/30 (**1**) to prevent it from slipping out.

- PERI recommends inserting an Adj. Base Plate UJB 38-50/30 (**1**) into the scaffolding tube if the wall distance often has to be adjusted Fig. A3.03b.

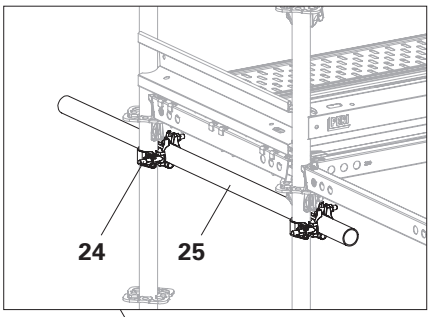


Fig. A3.03a

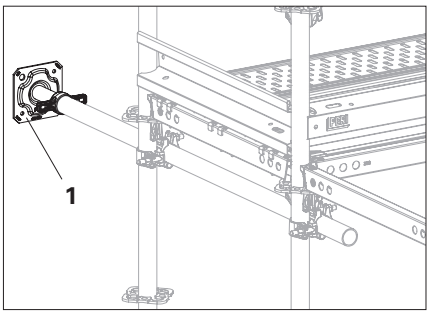


Fig. A3.03b

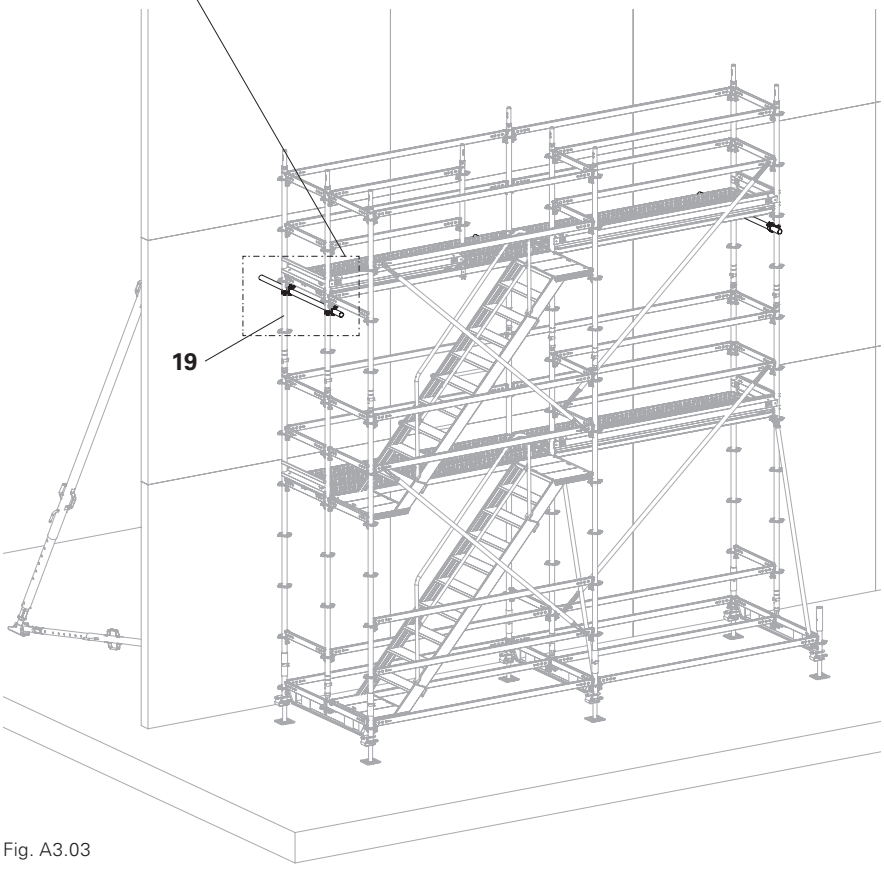


Fig. A3.03

- The Scaff. Tube 48.3x3.2mm lfm ga (**25**) is provided with an 11 mm hole, as is the case with the Standard UVR-2 or Base Standard UVB 25. This allows the Handle Locking UJS to be used.

A4 Base level with base width 250

General information

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

By increasing the base width, it is possible to form a structure with a larger system width and height.

This base level is used for a reinforcement scaffold with the following system dimensions:
- Base width 250 cm
- System width 75 cm (100 cm)
- Storey height 200 cm
- Scaffolding bay length 250 cm (300 cm)
- Standing height 8.60 or 10.60 m

((Fig. A4.01))

- Adhere to the assembly sequence specified in the previous sections.
- The scaffold access grows in line with the basic scaffold.
- Do not set any objects down on the scaffold access.

The flex staircases are intended for scaffolding bays with 2.50 m and 3.00 m widths. Length-determining components, e.g. Horizontal Ledger UH-2, must be selected accordingly. This version is assembled in the same way.

The reinforcement scaffold can be extended to 3 bays.
Width of each bay: ≤ 300 cm.

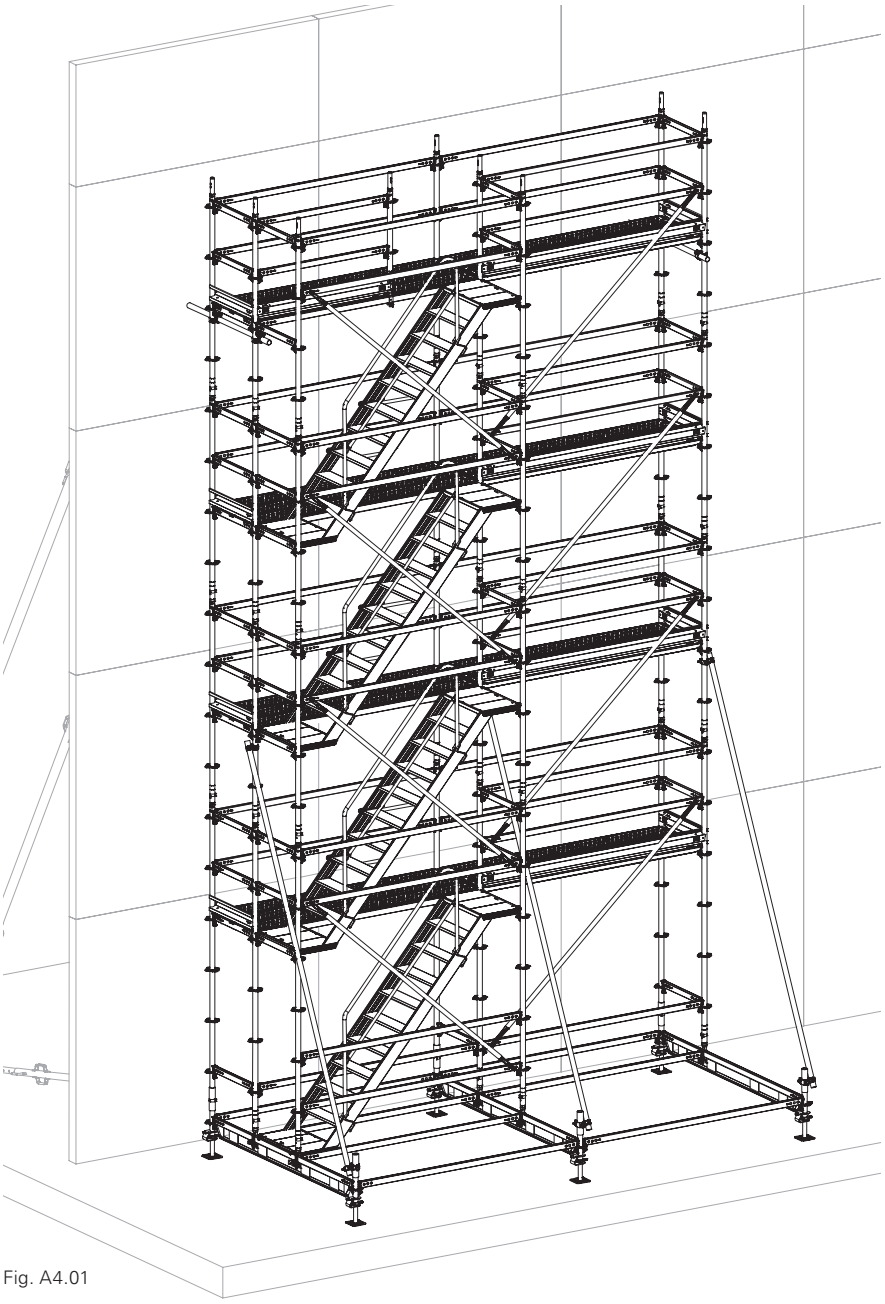


Fig. A4.01

A4 Base level with base width 250

Fitting the base

System dimensions:
- Base width 250 cm
- System width 75 cm
- Max. standing height H ≤ 10.60 m

Components

1	Adj.Base Plate UJB Ø38 mm 50/30	6x
2	Base Standard UVB 25	6x
3	Handle Locking UJS	6x
5	Horizontal Ledger UH-2 250	4x
6	Ledger Bracket UHA-2 half Spi.	5x
34	Horizontal Ledger UHV-2 250	3x

Assembly

1. Fit Base Standards UVB 25 (**2**) into Adj.Base Plates UJB Ø38mm 50/30 (**1**).
2. Hook Horizontal Ledgers UHV-2 250 (**34**) and Horizontal Ledger UH-2 250 (**5**) into Base Standards UVB 25 (**2**).
3. Horizontally align frame by adjusting the Adj.Base Plates UJB Ø38mm 50/30 (**1**).
   Max. spindle adjustment range for
   - Spindle UJB 38-50/30: ≤ 26 cm
   - Spindle UJB 38-80/55: ≤ 39 cm
4. Align the frame at right angles.
5. Hammer down the wedges of all the ledgers.
6. Place 5x Ledger Brackets UHA-2 half Spi. Place (**6**) at the system distance on the Horizontal Ledgers UHV-2 (**34**), do not hammer down the wedges for alignment just yet.
7. Secure Adj. Base Plates UJB Ø38mm 50/30(**1**) with Handle Locking UJS (**3**) (Fig. A4.02).
8. All further steps are the same as those for Base 150, see "Fitting the base" on page 21.

Movement by crane

Spindle out the Adj.Base Plate UJB Ø38mm 50/30 by at least 17 cm.
This is the only way to ensure a tension-proof connection between the Base Standard UVB and the Standard UVR-2 with locking pins.
(Fig. A4.02d)

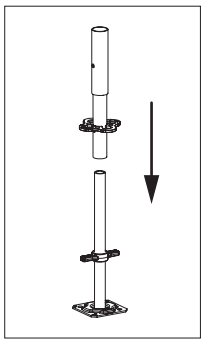


Fig. A4.02a

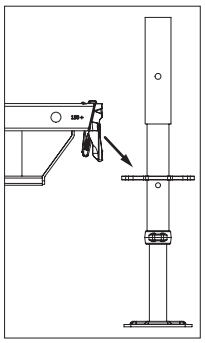


Fig. A4.02b

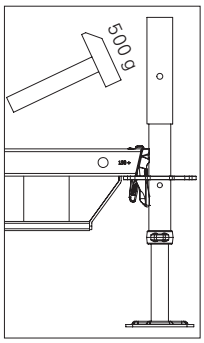


Fig. A4.02c

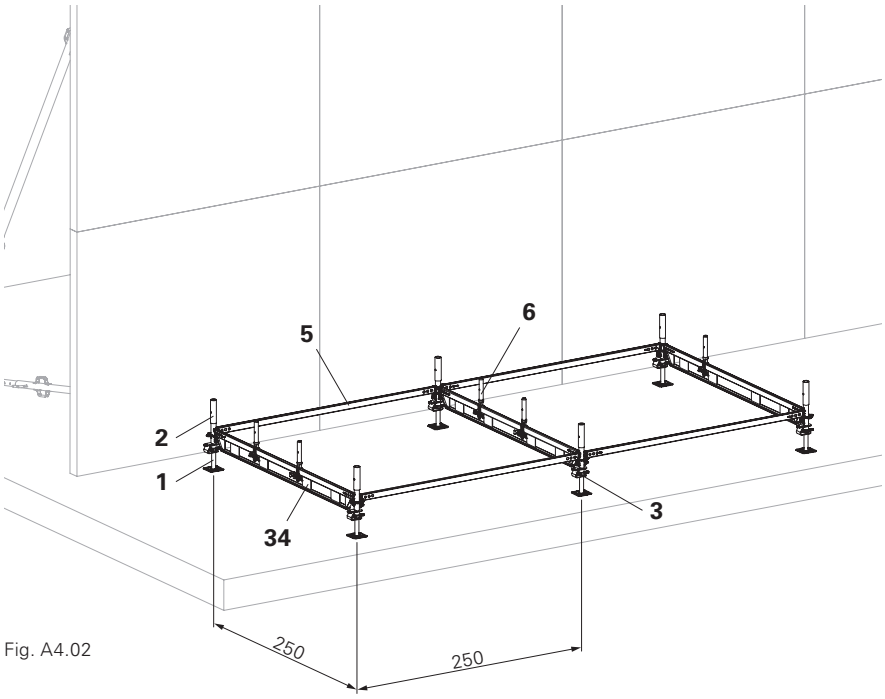


Fig. A4.02

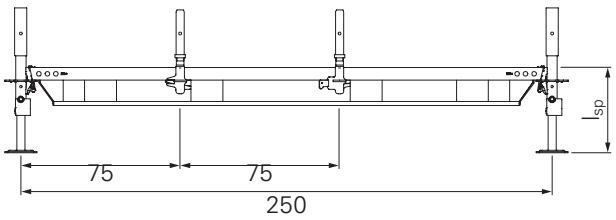


Fig. A4.02d

Spindle UJB 38-50/30:
$5 \le l_{sp} \le 26$ cm
Movement by crane:
$l_{sp} \ge 17$ cm

Spindle UJB 38-80/55:
$5 \le l_{sp} \le 39$ cm
Movement by crane:
not possible

A4 Base level with base width 250

Bracing

Use the Scaff. Tube 48.3 x 3.2 mm lf m ga and swivel couplings.

Components

25	Scaff. Tube 48.3x3.2mm lfm ga	3x
26	Swivel Coupler SW Ø48/ 48mm ga	3x
27	Red. Swivel Coupler RS 60/48	3x

Assembly

1. Attach the Scaff. Tubes 48.3x3.2mm lfm ga (**25**) to the Standard UVR-2 200 (**19**) with the Swivel Coupler SW Ø48/48mm ga (**26**).
2. Attach the Scaff. Tubes 48.3x3.2mm lfm ga (**25**) to the Base Standard UVB 25 (**2**) with the Red. Swivel Coupler SW 60/48 (**27**).

(Fig. A4.03)

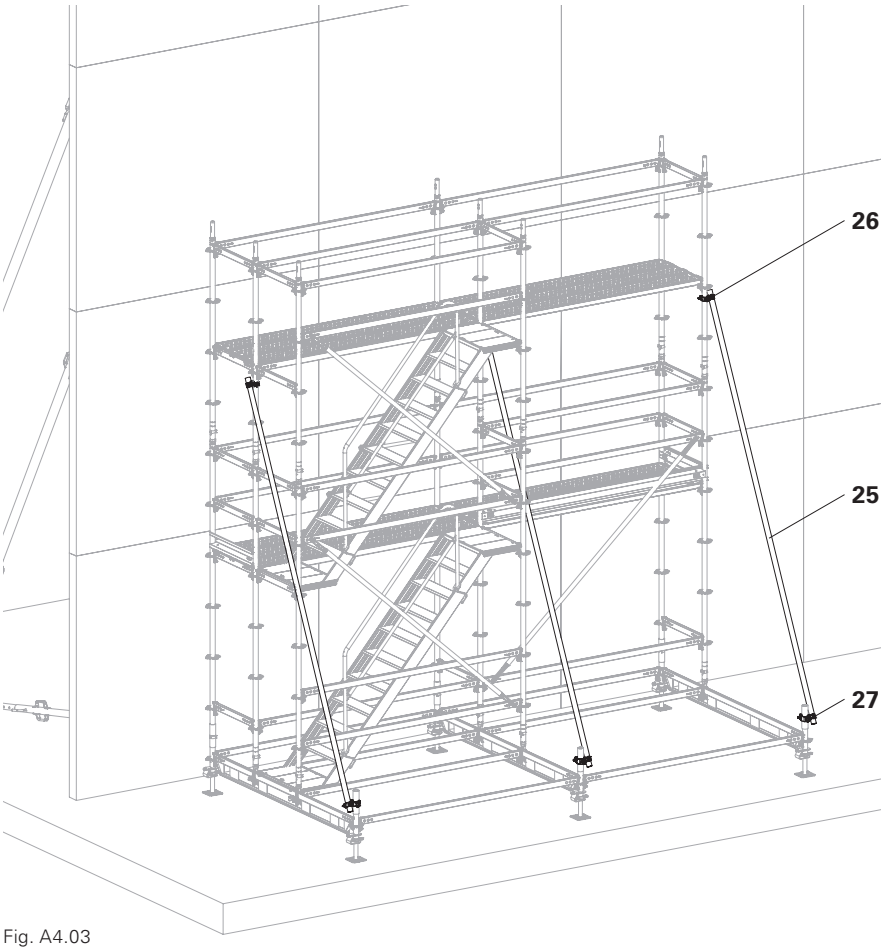


Fig. A4.03

A5 Intermediate levels

Greater scaffold heights

For greater scaffold heights, intermediate layers are mounted between the first scaffolding level and the highest scaffolding level.
It is possible to set up reinforcement scaffolds with a standing height of max. 10.60 m.
(Fig. A5.01)

Base width 150/200 cm
Standing height H ≤ 6.60 m

Base width 250 cm
Standing height H ≤ 10.60 m

With the exception of certain deviations, the assembly process for an intermediate layer corresponds to that of the highest scaffolding level.

Assembly steps
1. Assembly step
   "PERI UP Flex Reinforcement Scaffold 75 and 100 with Staircase" on page 84.
2. Assembly step
   "PERI UP Flex Reinforcement Scaffold 75 and 100 with Staircase" on page 84.
3. Assembly step
   "PERI UP Flex Reinforcement Scaffold 75 and 100 with Staircase" on page 84.
4. Assembly step
   "PERI UP Flex Reinforcement Scaffold 75 and 100 with Staircase" on page 84.
5. Assembly step
   "PERI UP Flex Reinforcement Scaffold 75 and 100 with Staircase" on page 84.

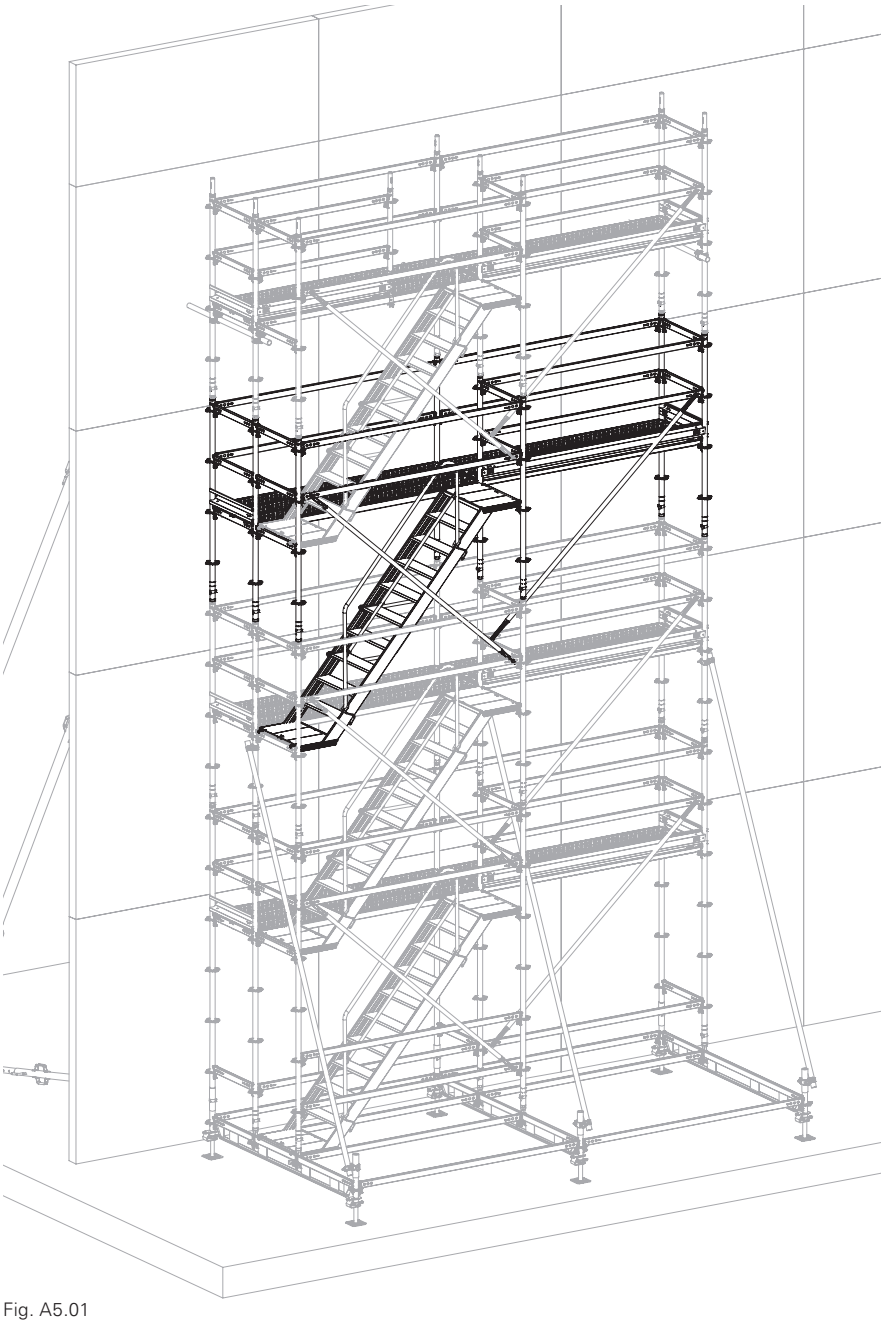


Fig. A5.01

B1 Working on the reinforcement scaffold

Reinforcement work instructions
Reinforcement scaffolds are placed 30 to 80 cm in front of the primary formwork. Therefore, guardrails are required on the inner side of the reinforcement scaffold. They enable a safe working position: (Fig. B1.01)

1. One leg is wrapped around the bottom Horizontal Ledger UH-2 (**5b**).
2. Lean against the Horizontal Ledger UH-2 (**5a**) at the top and bend forward.

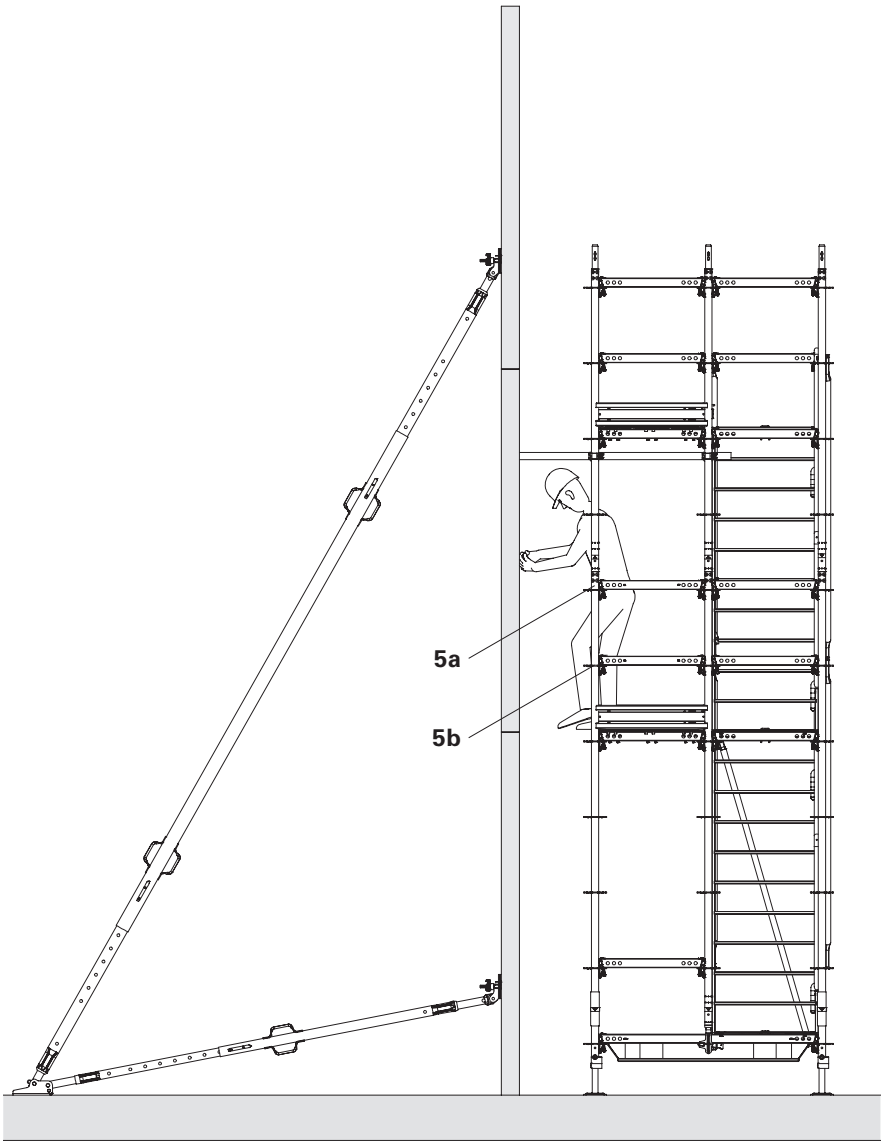


Fig. B1.01

B2 Repositioning with the crane

Information regarding relocation by crane

Load-bearing points

- For moving by crane, webbing belts can be directly wrapped around the standards under the rosettes, for example.
- The entire reinforcement scaffold unit is moved using four-sling lifting gear.
- The appropriate attachment points and the size of the relocation units should always be calculated on a project-specific basis.

Precondition

- Connect all standard joints to each other tightly.
- All adjustable base plate locks are fitted.
- All wedges are driven in with a jarring blow.
- All deck locks are engaged beneath the horizontal ledgers.
- Remove loose parts.
- In strong winds, the Toe Boards UPY and the Toe Boards UPF must be additionally secured.
- Do not stand under suspended loads, guide the scaffold with ropes.

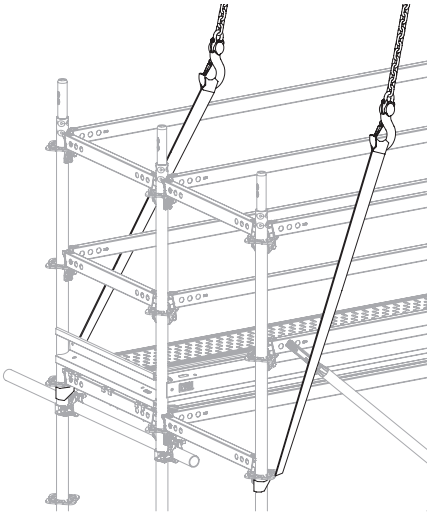


Fig. B2.01

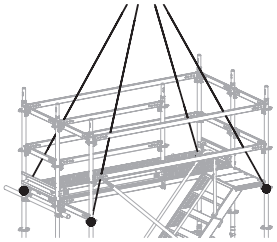


Fig. B2.01a

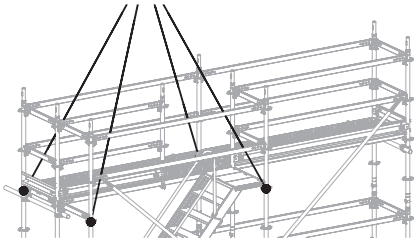


Fig. B2.01b

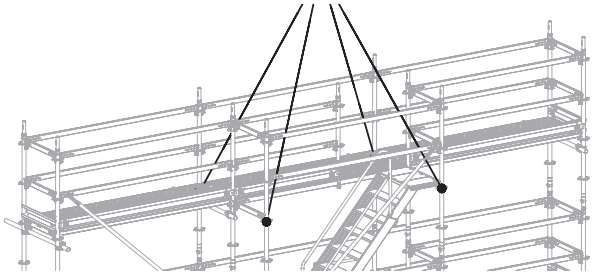


Fig. B2.01c

Weight for scaffold width of 75 cm (100 cm)							
Standing height [cm]	**Base width 150/200 cm** Assembly with UHV-2 150 / UHV-2 200			**Base width 250 cm** Assembly with UHV-2 250			**Standing height [cm]**
	1 bay 3.00 m	2 bays 6.00 m	3 bays 9.00 m	1 bay 3.00 m	2 bays 6.00 m	3 bays 9.00 m	
	max. dead load [kg]			max. dead load [kg]			
224 – 260	449 (506)	656 (768)	868 (1.002)	480 kg (519 kg)	701 kg (758 kg)	919 kg (997 kg)	224 – 260
424 – 460	687 (799)	1.028 (1.197)	1.351 (1.598)	721 kg (811 kg)	1.076 kg (1.187 kg)	1.412 kg (1.562 kg)	424 – 460
624 – 660	936 (1.092)	1.403 (1.626)	1.843 (2.133)	970 kg (1.104 kg)	1.450 kg (1.616 kg)	1.904 kg (2.126 kg)	624 – 660
				1.252 kg (1.424 kg)	1.866 kg (2.085 kg)	2.443 kg (2.745 kg)	824 – 860
				1.507 kg (1.716 kg)	2.246 kg (2.514 kg)	2.940 kg (3.310 kg)	1.024 – 1.060

Tab. B2.01

B2 Repositioning with the crane

For transporting the reinforcement scaffold with a 2x 2.5 m bay length, PERI recommends the following combination of round sling and chain length.
For all other scaffolding bay combinations, determine the correct length of round sling and chain sling by trial and error.
(Fig. B2.02 + Tab. Fig. B2.02)

Crane lifting gear for bay length 2x 2.5 m		
	Round sling [m]	Chain length [m]
Cable 1	3	1.8
Cable 2	3	1.7
Cable 3	2	1.8
Cable 4	2	1.7

Tab. B2.02

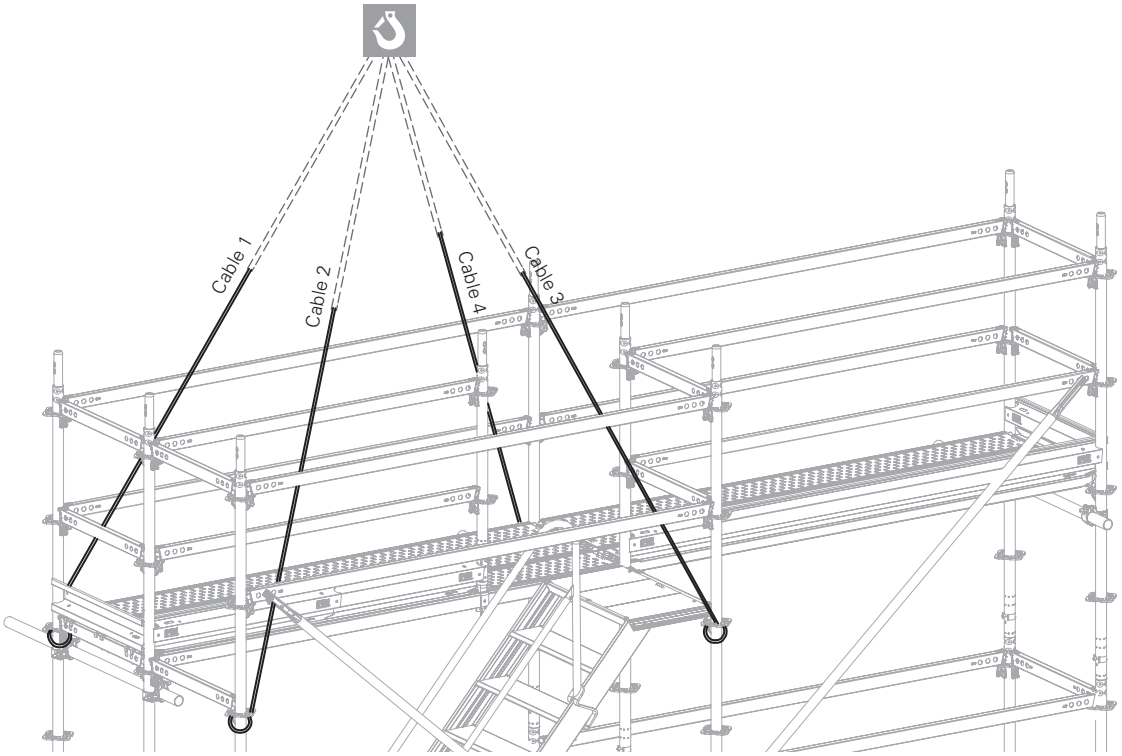


Fig. B2.02

B3 Securing an unused reinforcement scaffold

Danger

Free-standing reinforcement scaffolds can topple over!
Serious injuries or death are possible.

⇒ Place the reinforcement scaffold in front of a wall or stable formwork and place pressure-resistant supports against the wall. (Fig. B3.01)

⇒ With their front sides facing each other, place two reinforcement scaffolds against each other and connect them. (Fig. B3.02)

⇒ Secure reinforcement scaffolds consisting of a bay in the manner specified in Section D4 using ballast to prevent them from tipping sideways.

⇒ If no wall/additional reinforcement scaffold is available, secure the reinforcement scaffolds with additional ballasting.

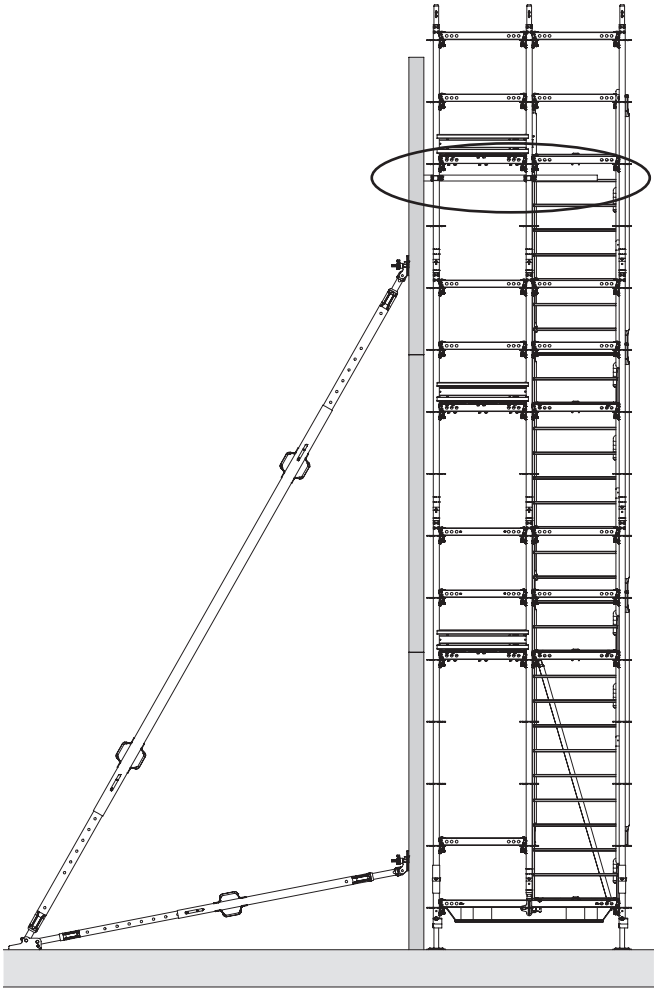


Fig. B3.01

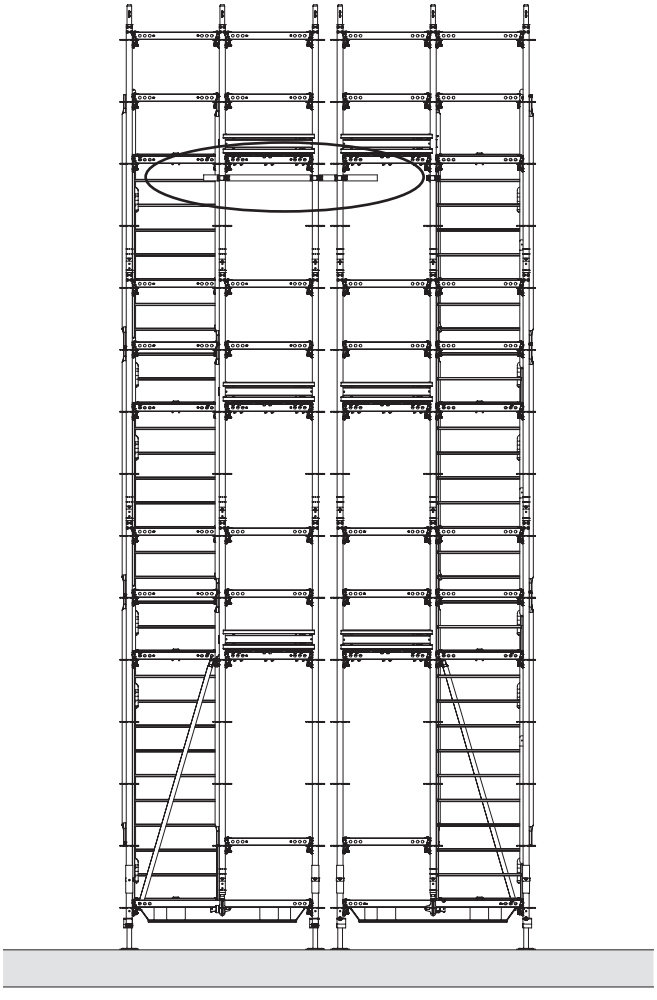


Fig. B3.02

C1 Dismantling

General information

Warning
There is a risk of falling when dismantling the lateral guardrails!
This could result in serious injuries or even death.
⇒ Carry out the dismantling work from a safe working position.

Do not discard dismantled components.

- After completing their own risk assessment, the scaffold contractor may also come up with other dismantling options.
- The dismantling work is done from top to bottom.
- The dismantling work is carried out whilst progressively working back to the access ladder bay.
- Have any dismantled components taken away from the scaffold immediately; do not store them somewhere temporarily.

Dismantling steps

Dismantling the upper scaffolding level
1. Dismantle the Toeboard Steel UPY and the knee rail.
2. Dismantle the Ledger Braces UBL-2.
3. Dismantle the guardrails on the staircases.

(Fig. C1.01)

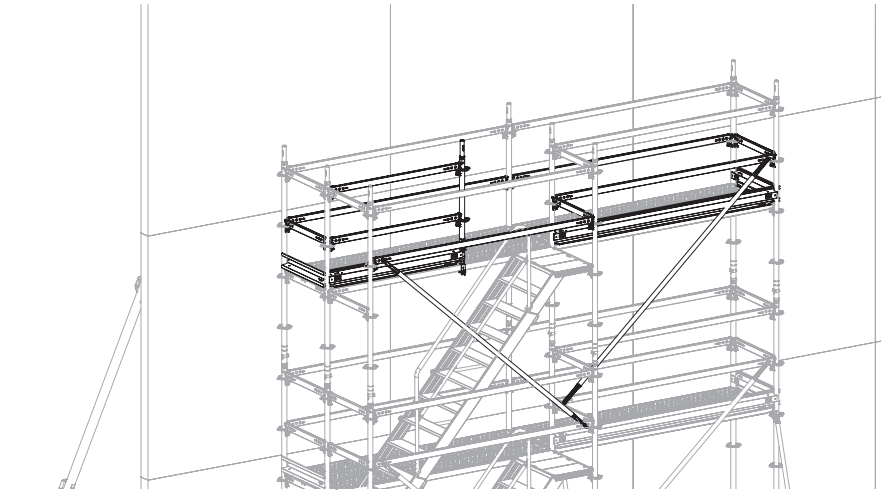


Fig. C1.01

Temporary guardrail
1. Attach Horizontal Ledger UH-2 250 and Horizontal Ledger UH-2 75 as temporary guardrails.

(Fig. C1.02)

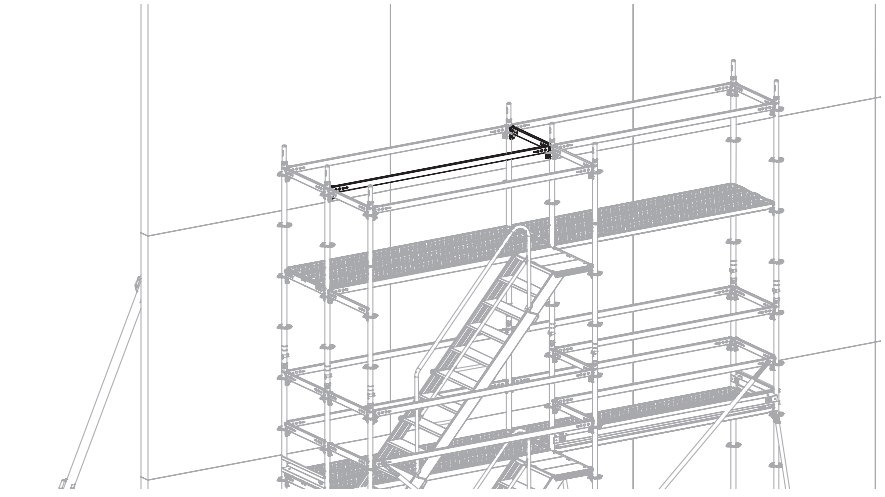


Fig. C1.02

Preparing Horizontal Ledger UH-2

1. Knock the marked wedges out of the rosette.
2. Secure the wedges with cotter pin 5/1 to prevent them from falling backwards.

(Fig. C1.03 + C1.03a + C1.03b)

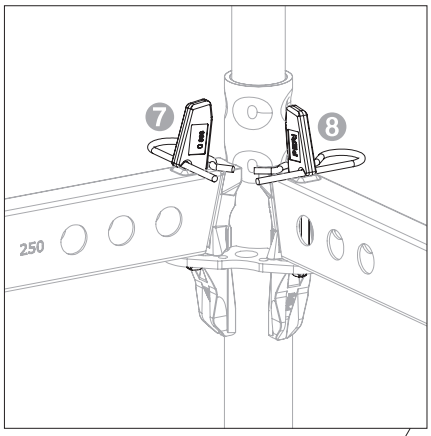


Fig. C1.03b

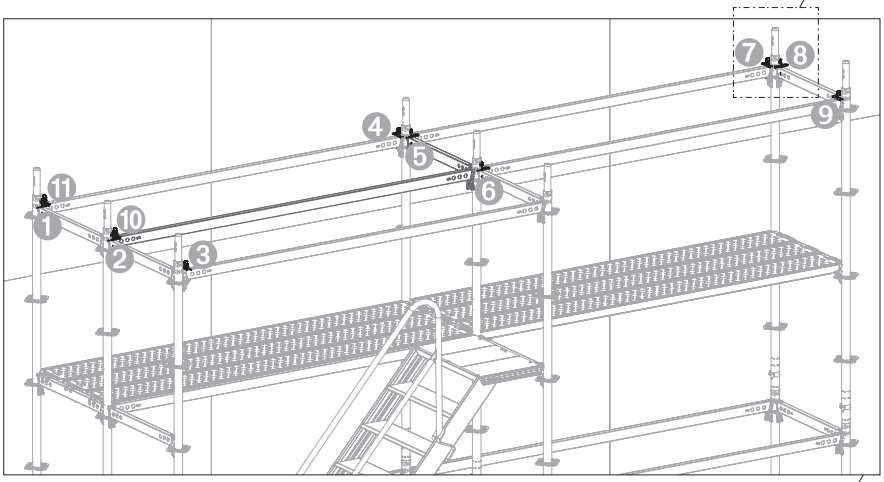


Fig. C1.03a

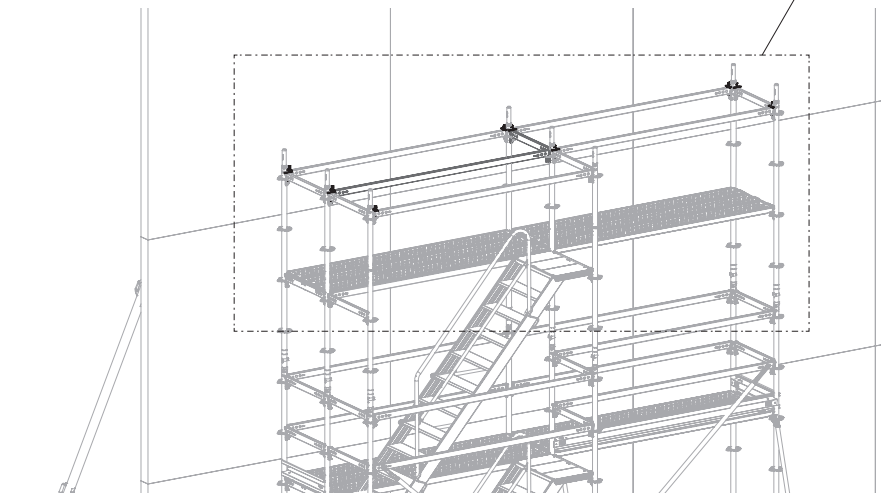


Fig. C1.03

C1 Dismantling

Dismantling Horizontal Ledger UH-2 250

1. Dismantle Horizontal Ledger UH-2 250 in the second bay.

From the stairs:

2. Dismantle Horizontal Ledger UH-2 250 on the wall side from the stairs.
3. Dismantle the remaining Horizontal Ledgers UH-2 250.

(Fig. C1.04)

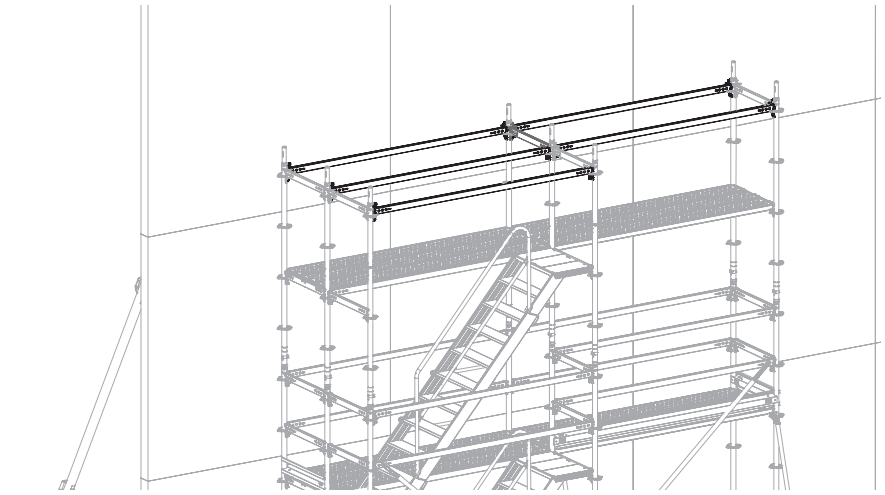


Fig. C1.04

Dismantling the stairs

1. Attach Horizontal Ledger UH-2 250 as temporary guardrails.
2. Dismantle Horizontal Ledger UH-2 75 (**12**) from the stairs.
3. Dismantle the stairs.

(Fig. C1.05)

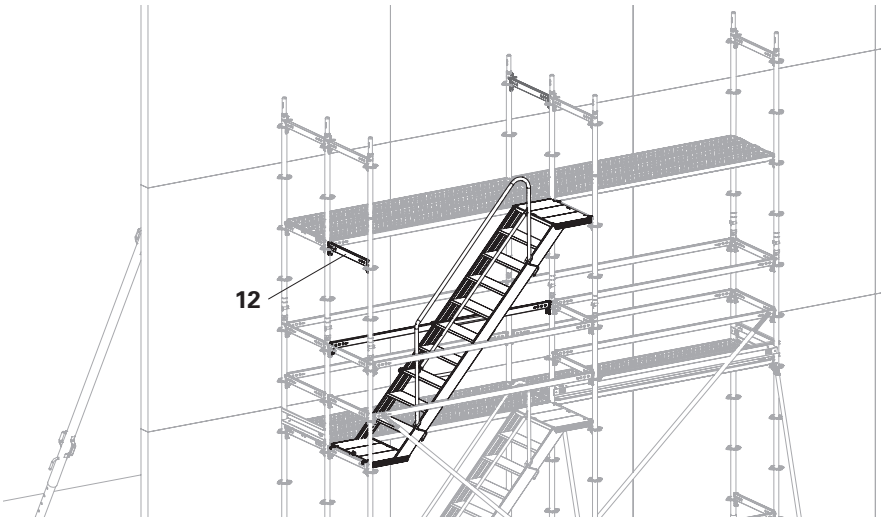


Fig. C1.05

Removing the decks

1. Remove the decks.

(Fig. C1.06)

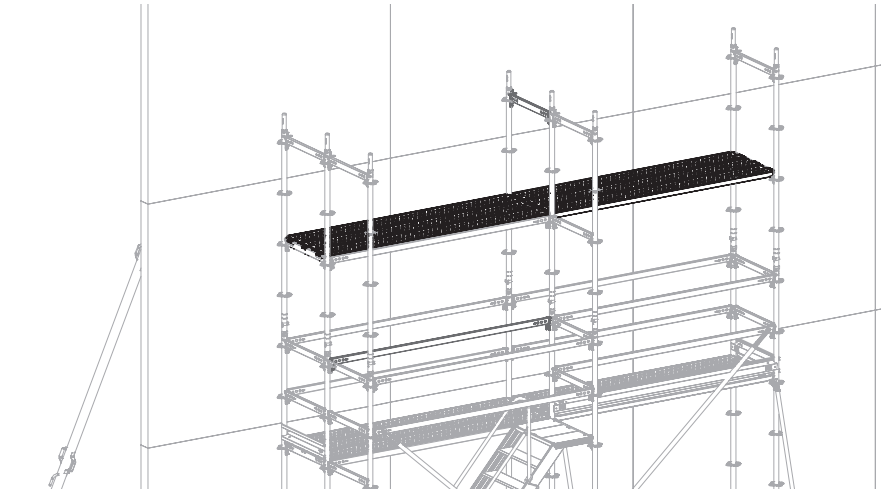


Fig. C1.06

C1 Dismantling

Dismantling the horizontal ledgers

1. Remove Horizontal Ledger UH-2 250.
2. Remove Horizontal Ledger UH-2 75.

(Fig. C1.07)

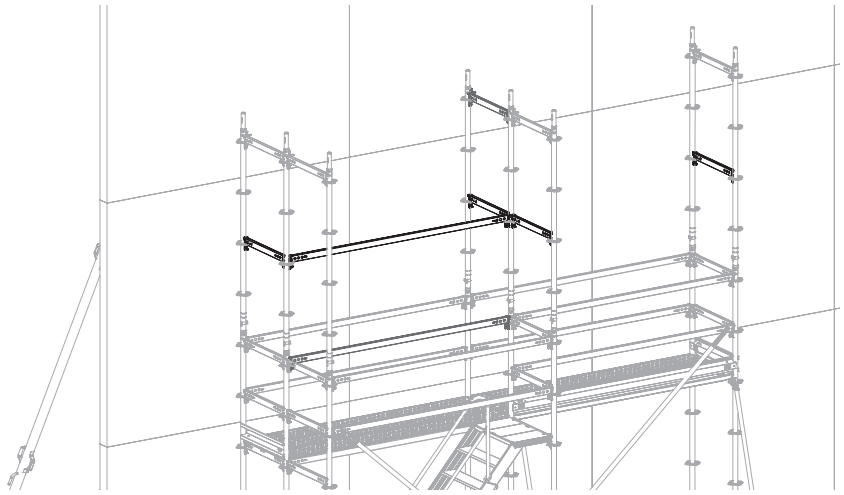


Fig. C1.07

Dismantling the standards

1. Dismantle pre-prepared assemblies with Horizontal Ledgers UH-2 75 and Standards UVR-2 200.

(Fig. C1.08 + C1.08a)

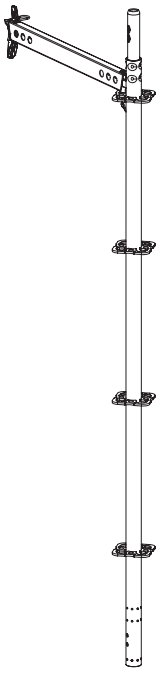


Fig. C1.08a

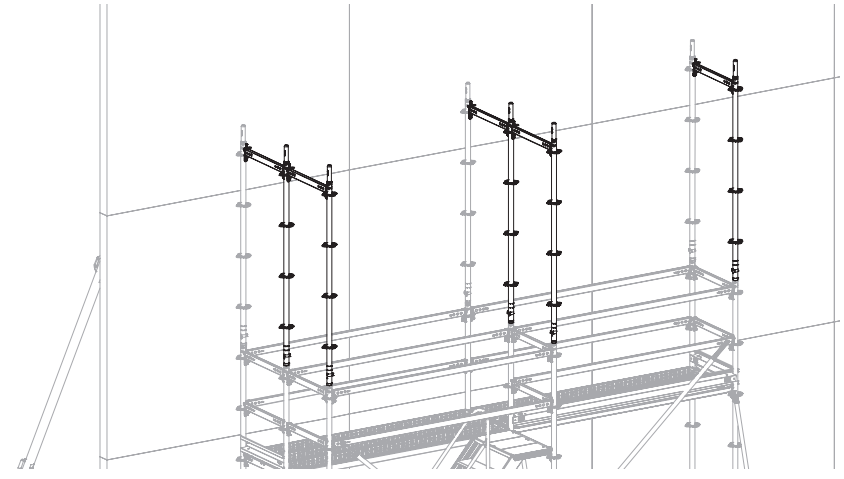


Fig. C1.08

Dismantling the standards
1. Remove Standards UVR-2 200.
(Fig. C1.09)

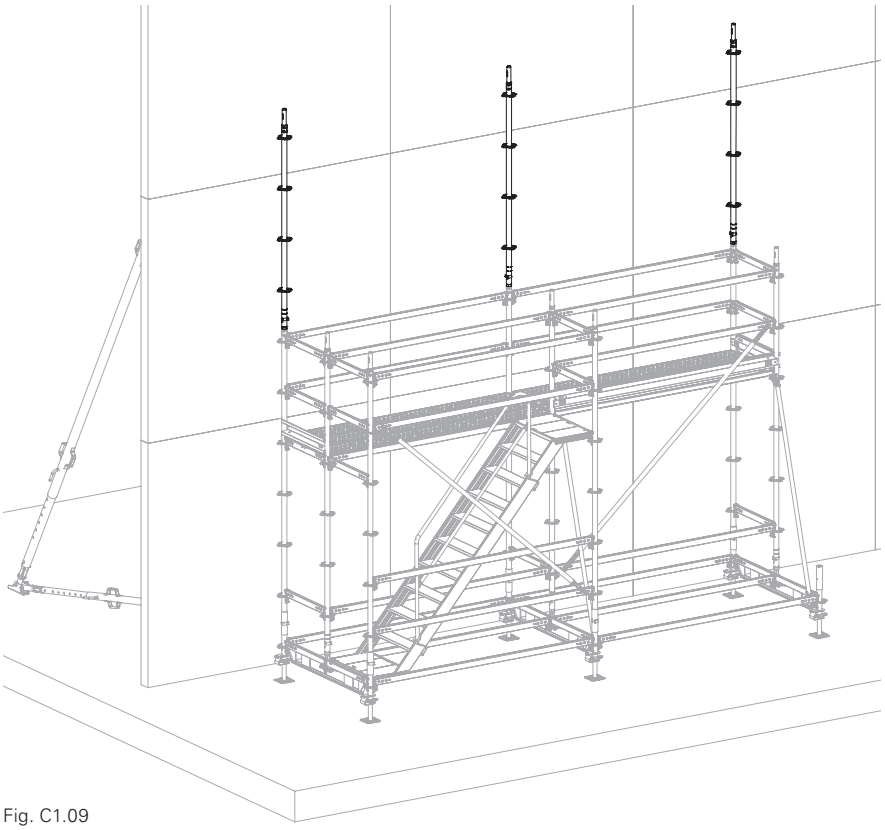


Fig. C1.09

Dismantling the lower scaffolding level
1. Dismantle the Toeboard Steel UPY and Horizontal Ledgers UH-2 as knee rails.
2. Dismantle the Ledger Braces UBL-2.
3. Dismantle the Node Braces UBK-2
(Fig. C1.10)

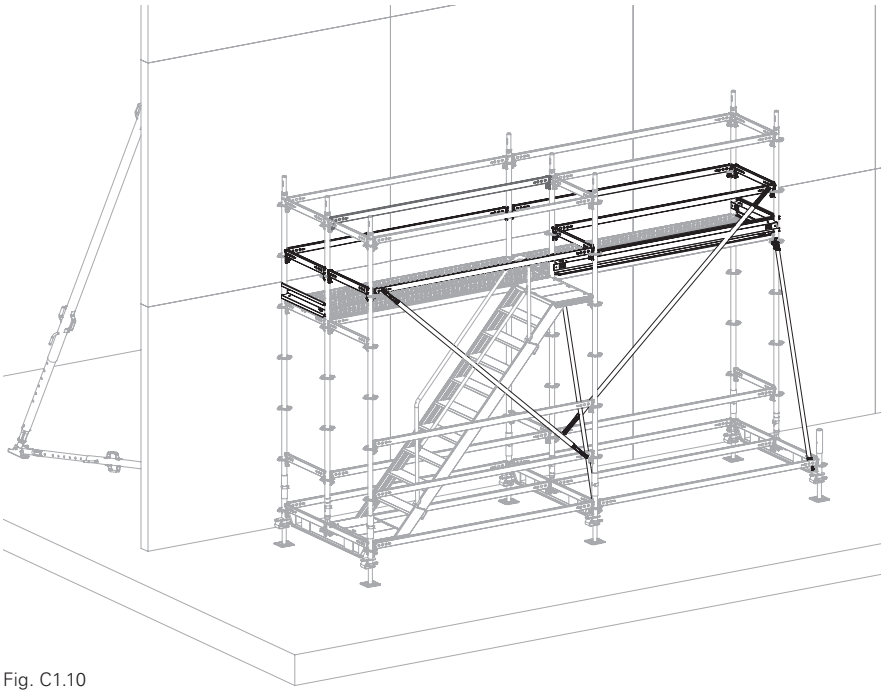


Fig. C1.10

Dismantling the scaffold

1. Dismantle the rest of the scaffold in the same way as the upper scaffolding level.

(Fig. C1.11)

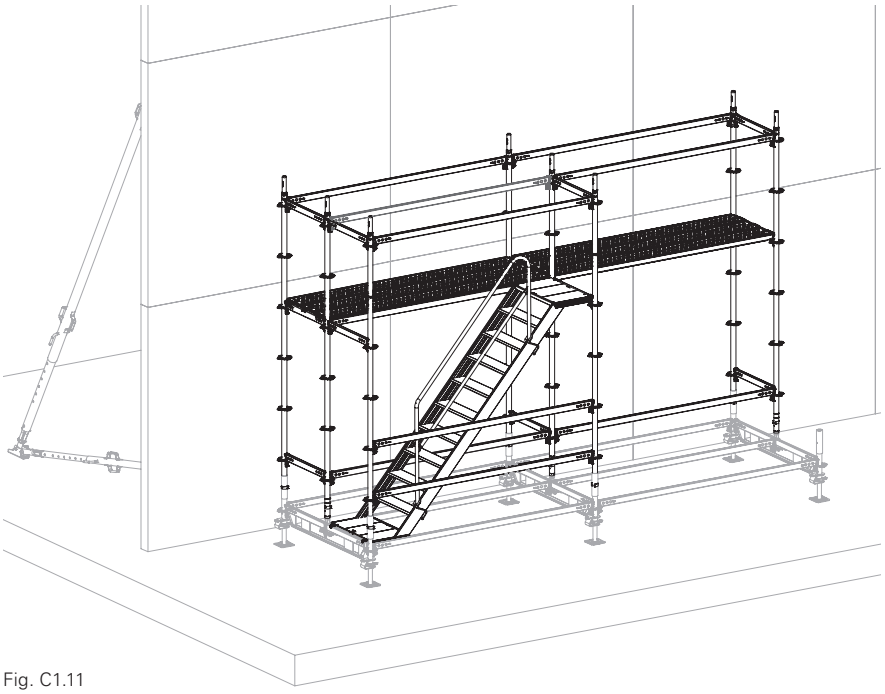


Fig. C1.11

Dismantling the base level

1. Dismantle the base level.

(Fig. C1.12)

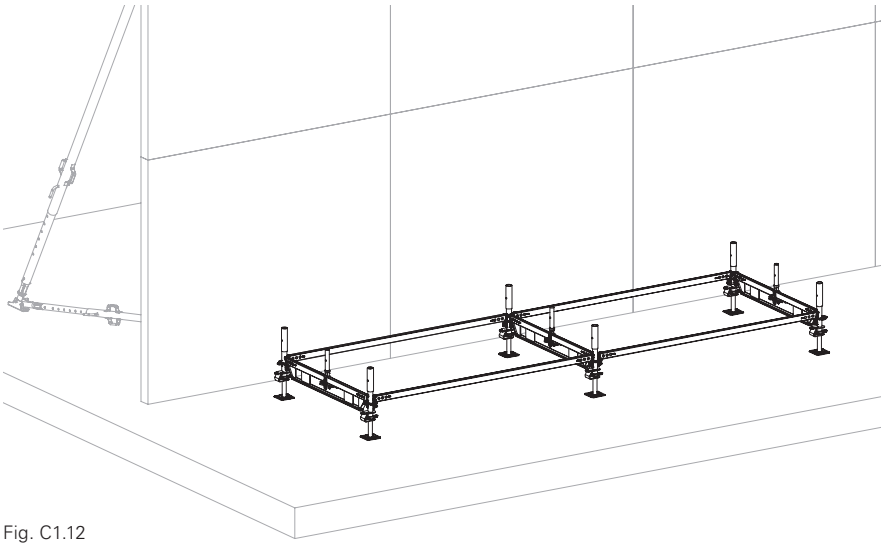
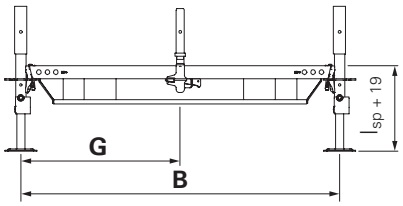


Fig. C1.12

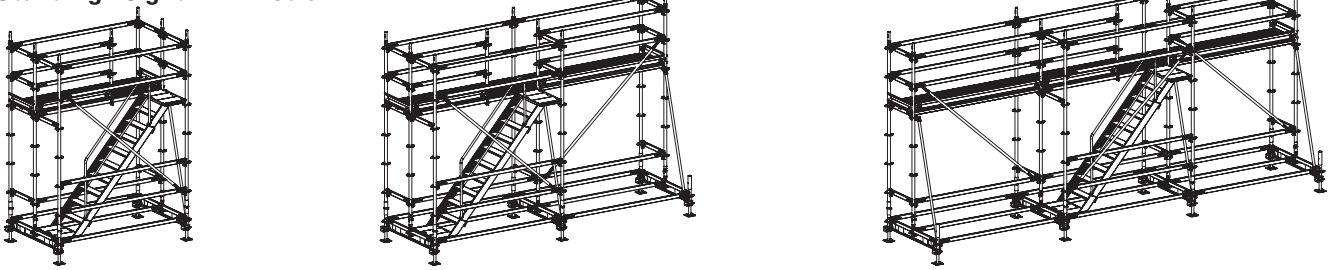
Base width 150 cm/200 cm

Bay lengths L [cm]
Stair bay: 250, 300
Attachment bay: 150, 200, 250, 300

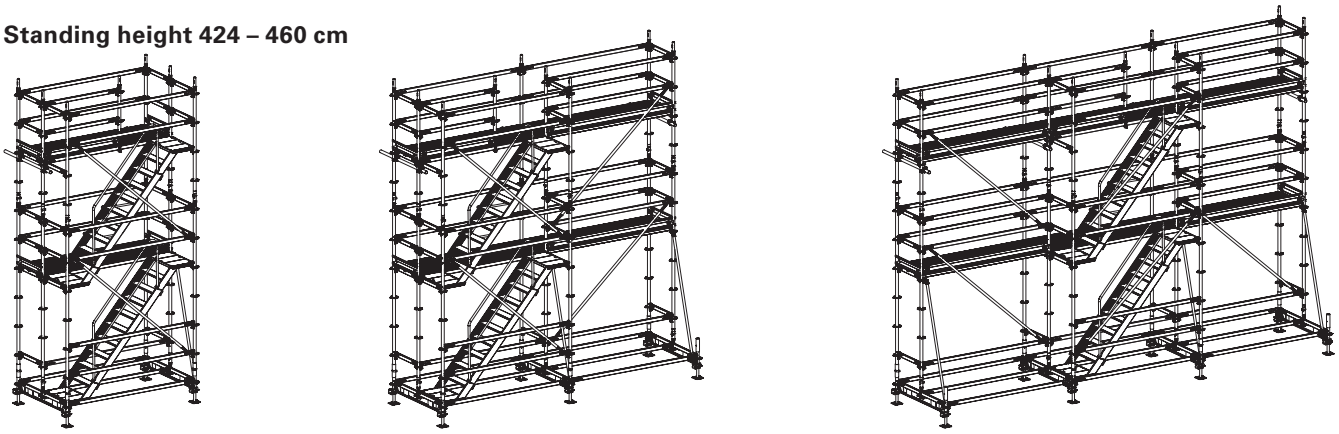
Scaffold width [G]	Base width [B]	Standing height
75 cm	150 cm	≤ 660 cm
100 cm	200 cm	≤ 660 cm



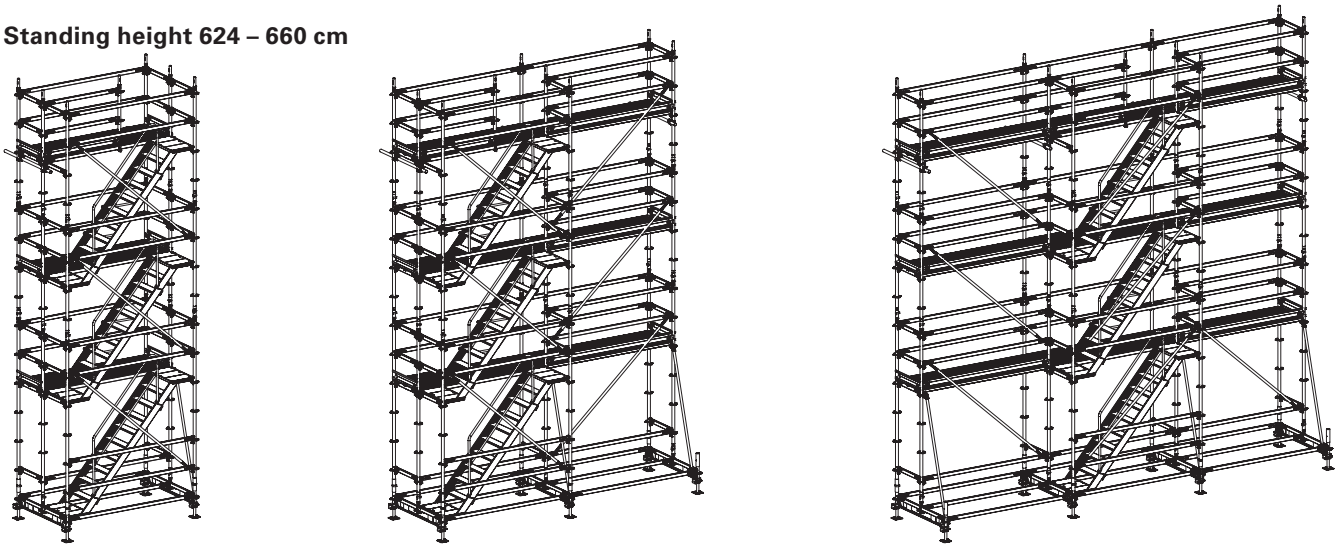
Standing height 224 – 260 cm



Standing height 424 – 460 cm



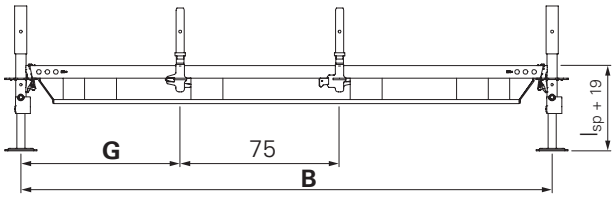
Standing height 624 – 660 cm



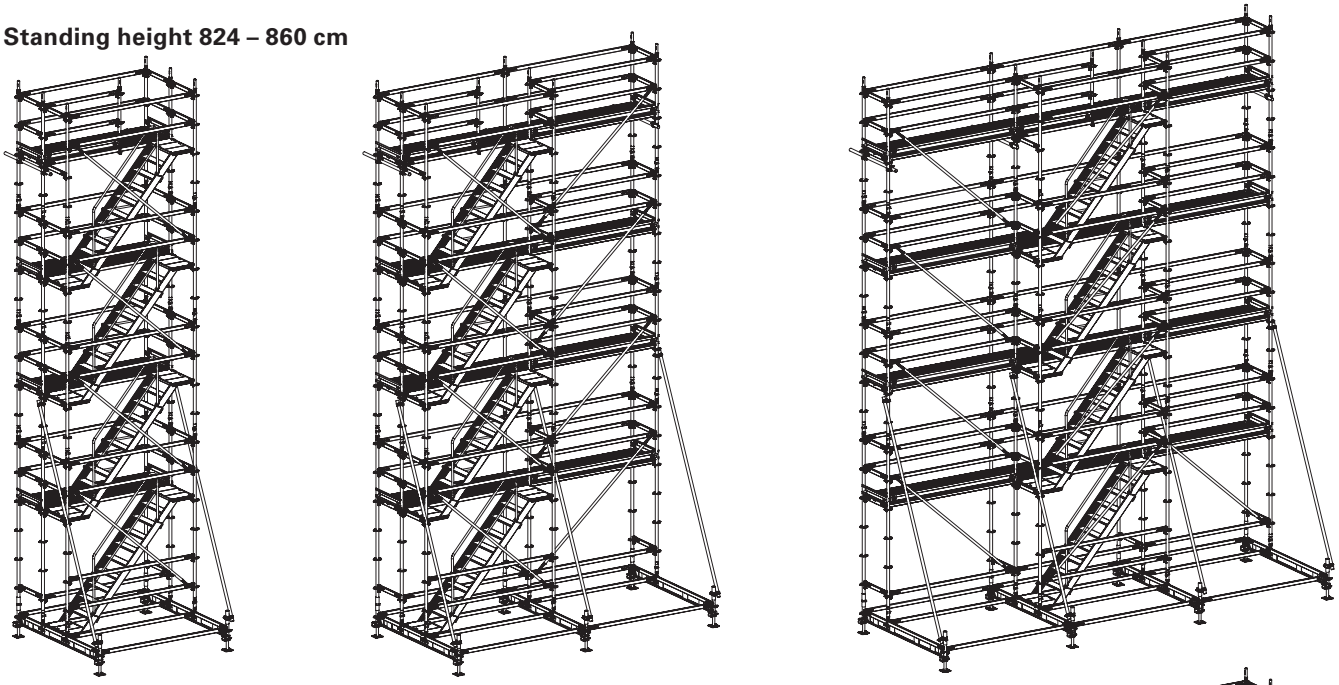
Base width 250 cm

Scaffold width [G]	Base width [B]	Standing height
75 cm	250 cm	≤ 1.060 cm
100 cm	250 cm	≤ 1.060 cm

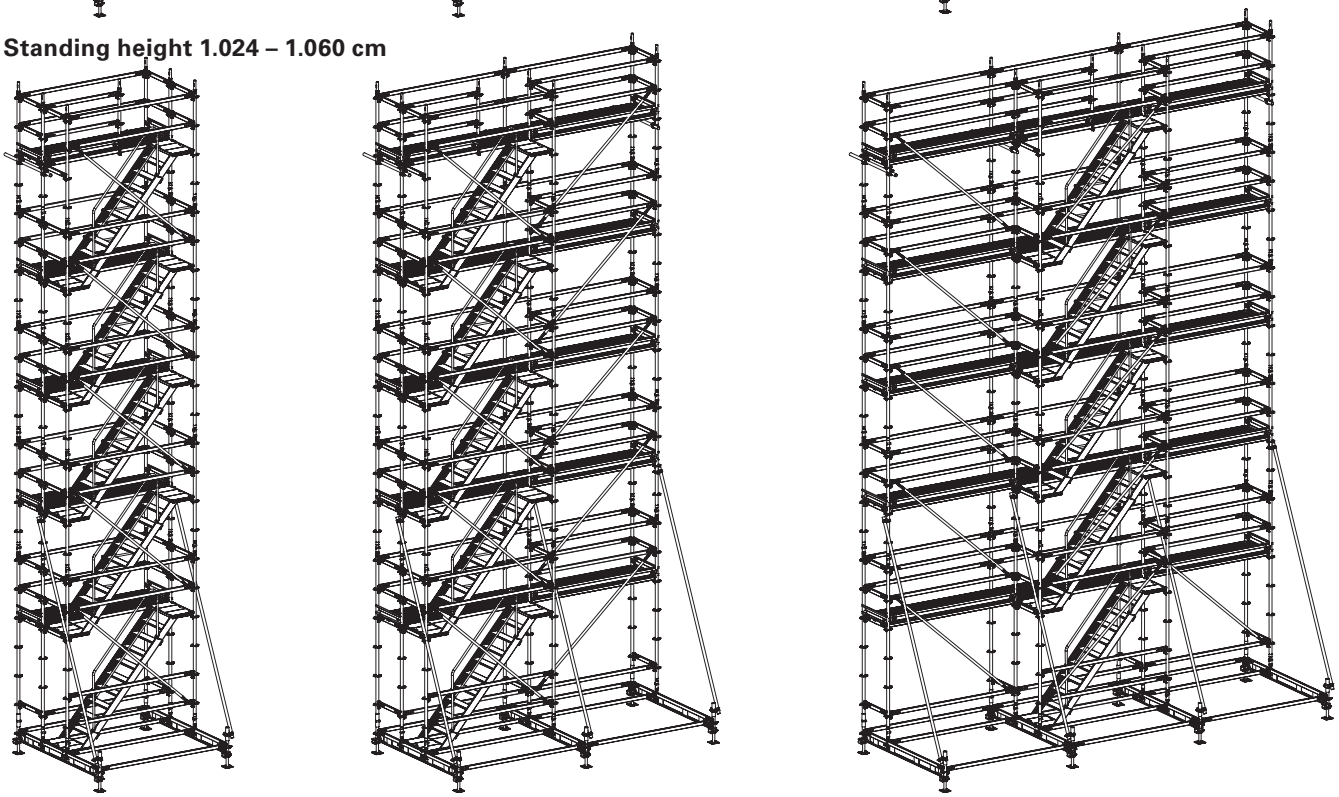
Bay lengths L [cm]
Stair bay: 250, 300
Attachment bay: 150, 200, 250, 300



Standing height 824 – 860 cm



Standing height 1.024 – 1.060 cm



D2 Support reactions

Support forces for scaffold width of 75 cm (100 cm)					
Standing height [cm]	**Base width 150/200 cm** Assembly with UHV-2 150 / UHV-2 200		**Base width 250 cm** Assembly on UHV-2 250		**Standing height [cm]**
	F_i [kN]	**F_a** [kN]	**F_i** [kN]	**F_a** [kN]	
224 – 260	5.39 (6.52)	4.59 (5.49)	8.28 (9.01)	4.16 (4.80)	224 – 260
424 – 460	8.60 (10.77)	6.88 (7.93)	11.82 (13.61)	5.14 (6.94)	424 – 460
624 – 660	11.88 (12.71)	9.43 (9.46)	13.76 (14.96)	6.14 (7.91)	624 – 660
			15.06 (16.63)	6.93 (9.44)	824 – 860
			17.52 (19.22)	8.67 (10.78)	1.024 – 1.060

Tab. D2.01

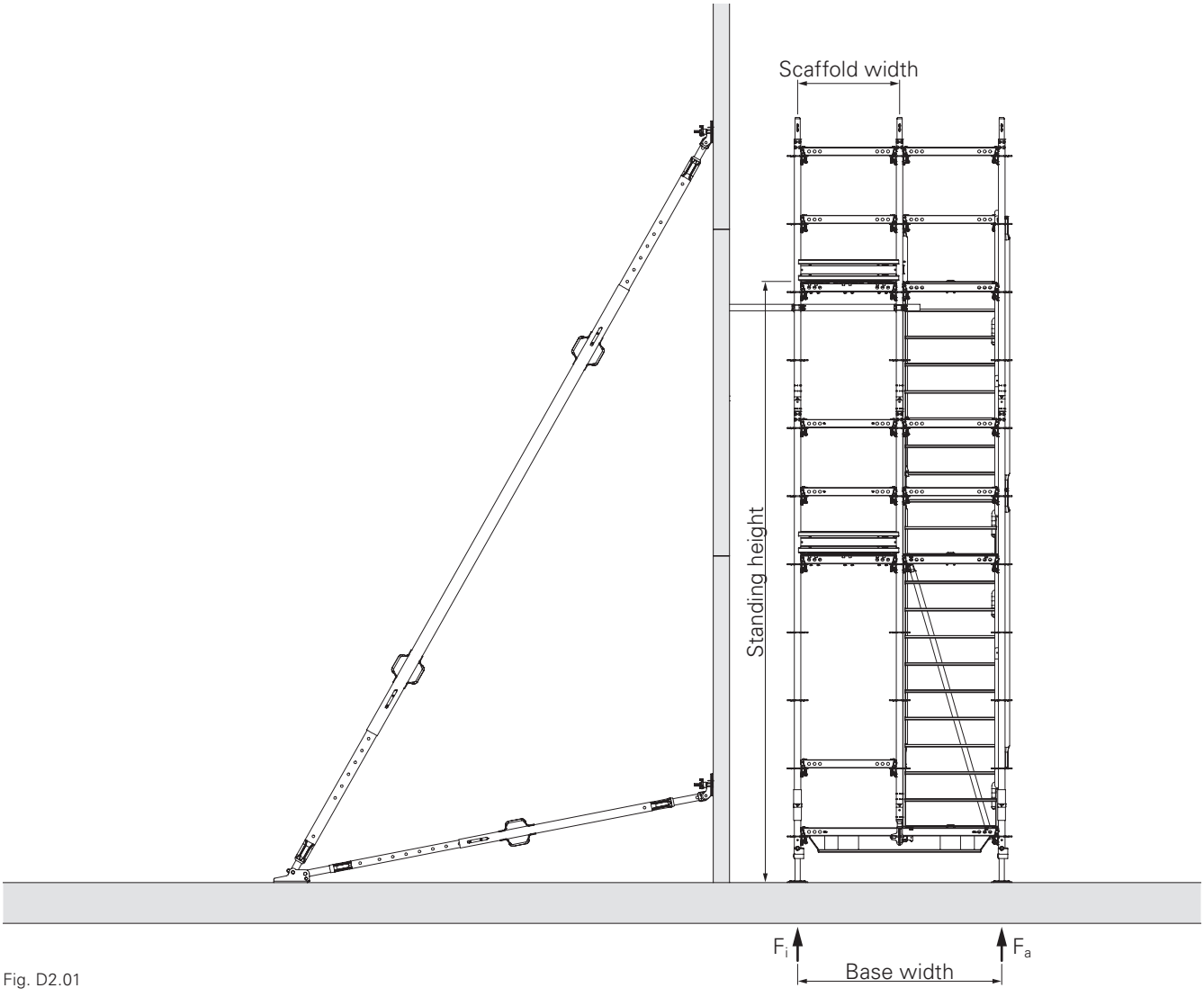


Fig. D2.01

Wind forces perpendicular to the wall

Pressure supports are sufficient for wind speeds up to V = 17.9 m/s (wind force 8).
This makes it easy to move the reinforcement scaffold by crane.
Pressure-resistant ties are installed directly under the highest deck level on each standard and are supported by being positioned against secure formwork units or solid wall.

- If the wind speed is V = 17.9 m/s (wind force 8) or higher, secure the reinforcement scaffold with tension and compression-resistant anchoring to prevent it from toppling over.
- Tie forces only apply to completely closed formwork!

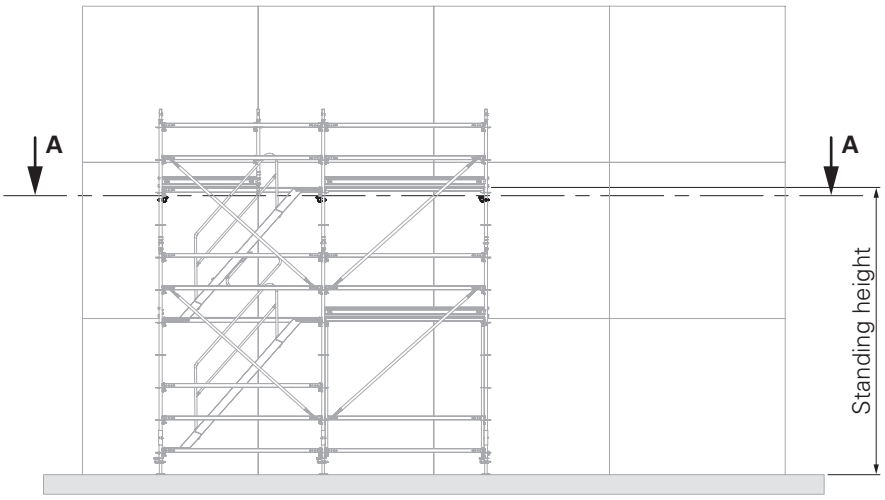


Fig. D3.01

Section A-A

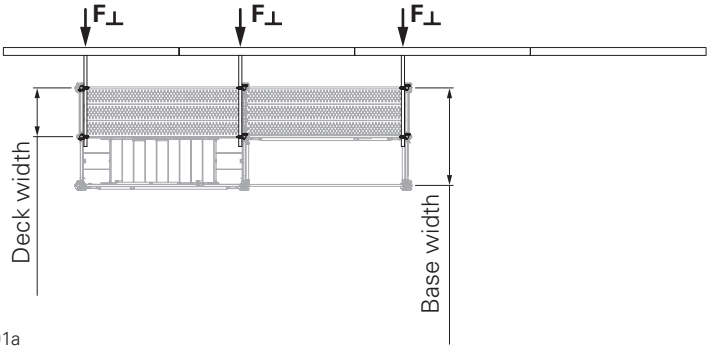


Fig. D3.01a

Tie force for scaffold width of 75 cm (100 cm)			
Standing height [cm]	**Base width 150/200 cm** Assembly with UHV-2 150 / UHV-2 200	**Base width 250 cm** Assembly with UHV-2 250	**Standing height [cm]**
	Up to 17.9 m/s (wind force 8), only pressure-resistant supports required		
224 – 260	no support required	no support required	224 – 260
424 – 460	no support required	no support required	424 – 460
624 – 660	no support required	no support required	624 – 660
		0.33 (no support required)	824 – 860
		0.40 (0.42)	1.024 – 1.060

Tab. D3.01

Wind forces parallel to the wall

No additional ballasting is required for any reinforcement scaffolds with a standing height of up to 6.60 m.

See Tab. D4.01 for the ballasting that is required for the PERI UP Reinforcement Scaffold 75 and 100 with Staircase with working wind as per DIN EN 12811.

Ballasting for scaffold width 75 cm (100 cm)							
Standing height [cm]	**Base width 250 cm** Bay length 250 cm			**Base width 250 cm** Bay length 300 cm			**Standing height [cm]**
	1 bay 2.50 m	2 bays 5.00 m	3 bays 7.50 m	1 bay 3.00 m	2 bays 6.00 m	3 bays 9.00 m	
224 – 660	–	–	–	–	–	–	224 – 660
824 – 860	300 kg (250 kg)	–	–	–	–	–	824 – 860
1.024 – 1.060	700 kg (675 kg)	–	–	275 kg (225 kg)	–	–	1.024 – 1.060

Tab. D4.01

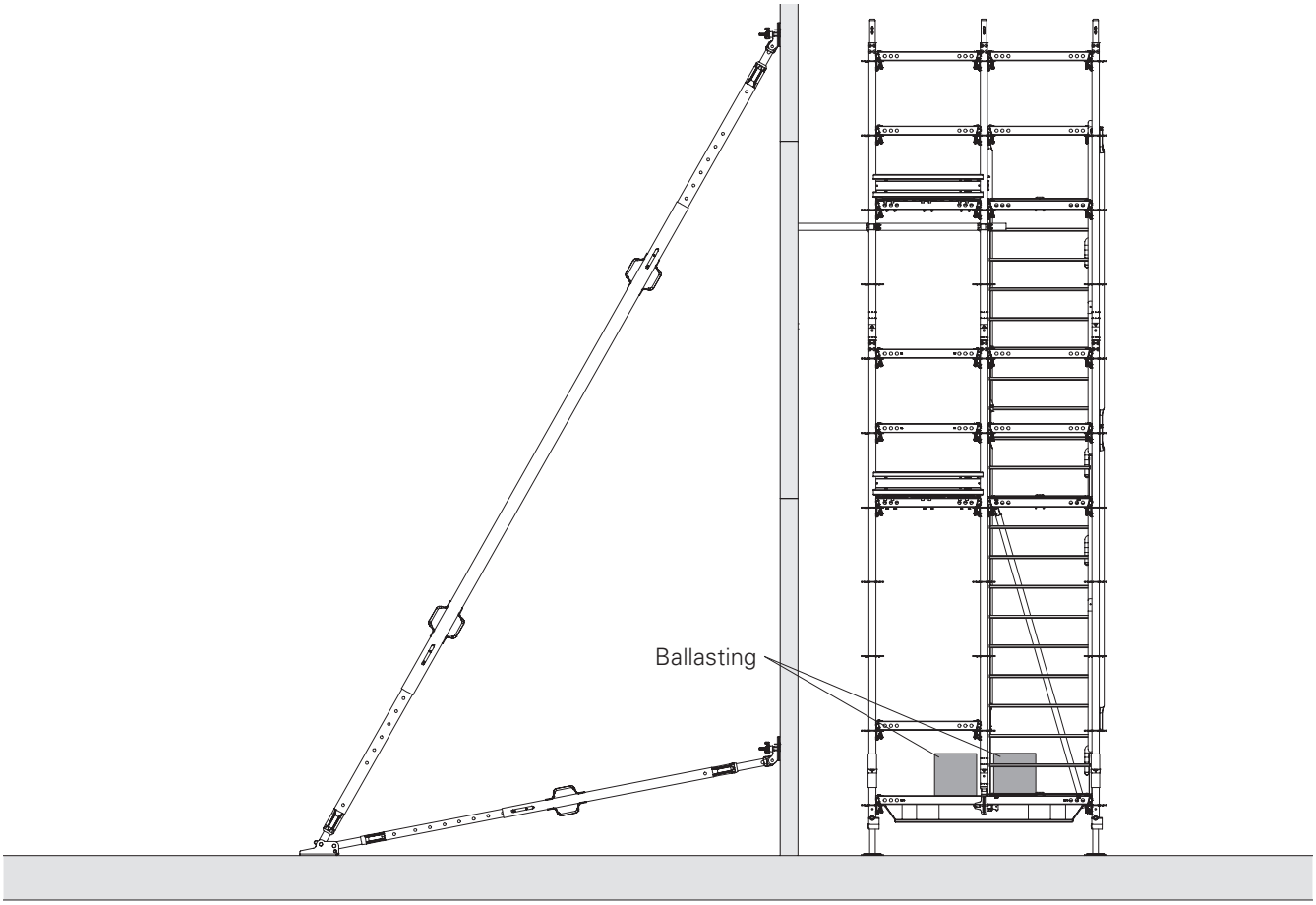


Fig. D4.01

E1 Assembly with an advance guardrail

If the uppermost horizontal ledger is replaced by a guardrail post, then assembly with an advance guardrail can take place.

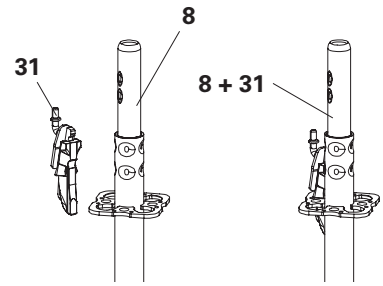
The following components are required:

31 Guardrail Holder EPW
32 Guardrail EPG 100
33 Advance Guardrail UPA-2

Assembly

1. Insert Guardrail Holder UPW (**31**) into the top rosette of Standard UVR-2 (**8**) and wedge securely.
2. Fit the first two Standards UVR-2 and complete with Horizontal Ledgers UH-2 75. (Fig. E1.01)
3. Fit Guardrail EPG 100 (**32**) onto the Guardrail Holder EPW of the outer Standard UVR-2. (Fig. E1.02)
4. Connect the next Standard UVR-2 to the Guardrail UPG.
5. Attach the Standard UVR-2 together with the Guardrail EPG. (Fig. E1.03)
6. On the inner side, fit the next guardrail with Standards UVR-2 in advance.
7. Fit Horizontal Ledger UH-2.
8. Fit End Guardrail in Advance UPA-2 (**33**). (Fig. E1.04)
9. Fit decks and Horizontal Ledger UH-2. (Fig. E1.05)
10. Carry out steps 1 – 9 in the same way for the subsequent levels and complete the reinforcement scaffold. (Fig. E1.06)

The Guardrail EPG 100 is then replaced with Horizontal Ledger UH-2 from the safe position and used for the next scaffolding level. Otherwise, Horizontal Ledgers UH-2 must be installed at deck level.



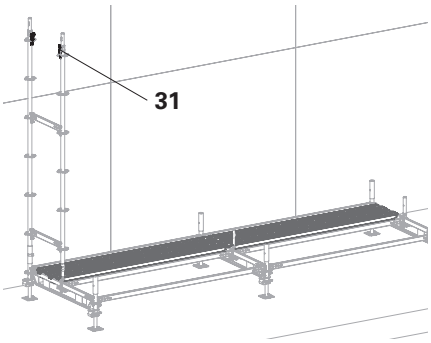


Fig. E1.01

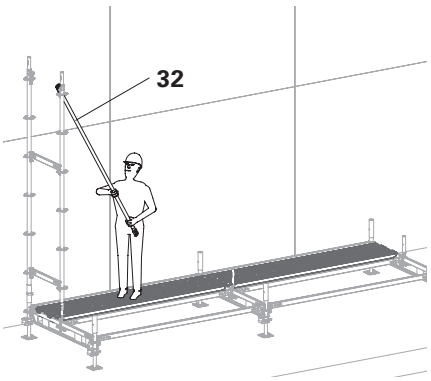


Fig. E1.02

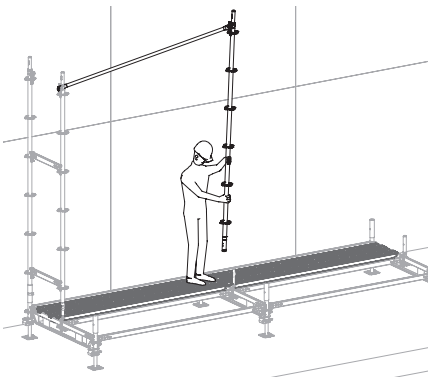


Fig. E1.03

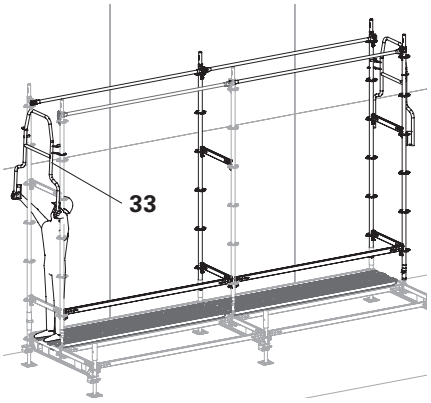


Fig. E1.04

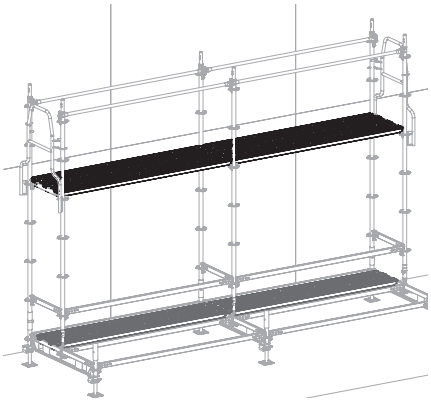


Fig. E1.05

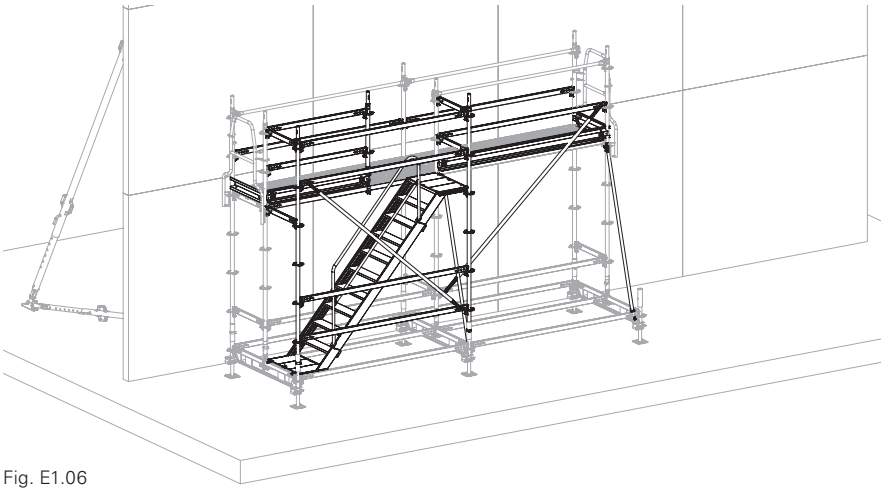


Fig. E1.06

Additional Toeboards Steel UPY

Additional Toeboards Steel UPY 75 can be fitted in the staircase area.

Components

15 Toeboard Steel UPY 75

Assembly

1. Fit the Toeboards Steel UPY 75 (**15**) in the area of the staircases.

(Fig. E2.01)

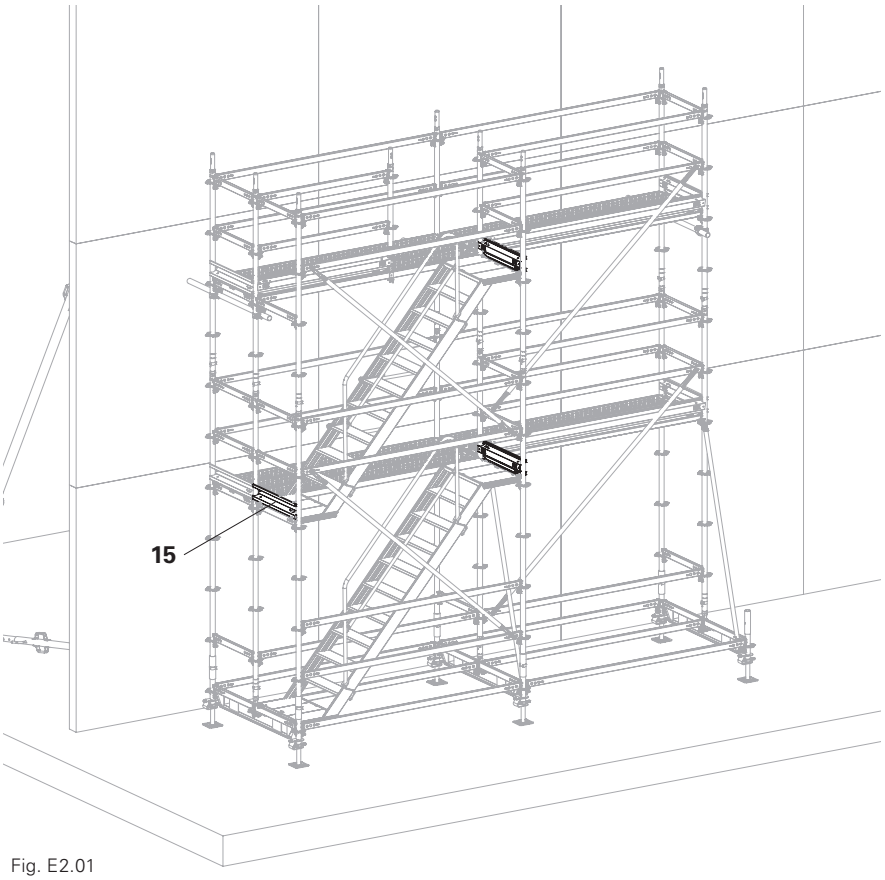


Fig. E2.01

Coupler Brace UBC-2

Instead of the Node Brace UBK-2, a Coupler Brace UBC-2 can be fitted for bracing purposes.

Components

27 Red. Swivel Coupler RS 60/48
28 Coupler Brace UBC-2 150/200

Assembly

1. Attach Coupler Brace UBC-2 150/200 (**28**) at the top of Standard UVR-2 200 (**19**).
2. Fit it onto the bottom of the Base Standard UVB 25 (**2**) with the Red. Swivel Coupler RS 60/48 (**27**).

(Fig. E2.02)

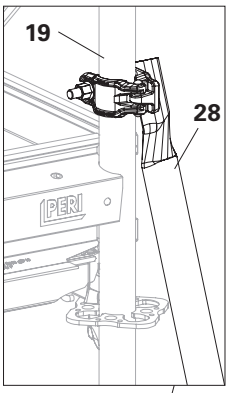


Fig. E2.02a

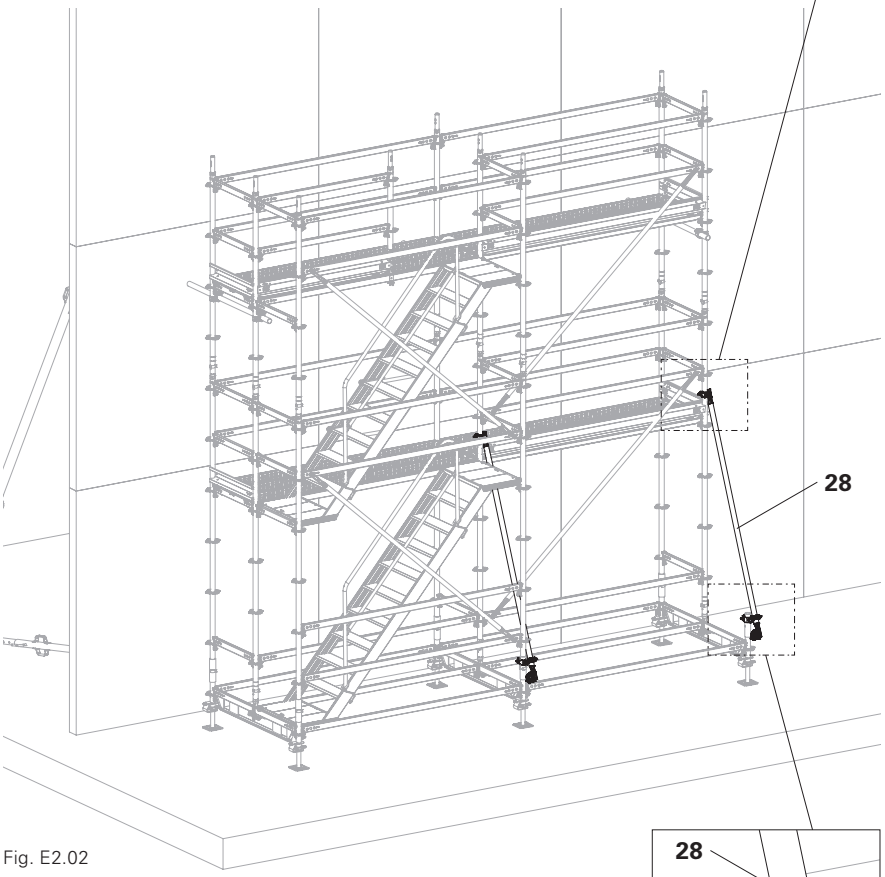


Fig. E2.02

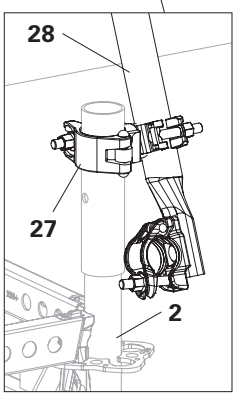


Fig. E2.02b

Exit width 75 cm

If the exit is to be reduced from 100 cm to 75 cm, a front-mounted Standard UVR-2 100 (**22b**) with Horizontal Ledgers UH-2 25 (**29**) can be fitted.

Components

22 Standard UVR-2 100	1x
29 Horizontal Ledger UH-2 25	2x

Assembly

7. Attach 2x Horizontal Ledgers UH-2 25 (**29**) to the Standard UVR-2 100 (**22b**). Hammer all wedges into place.
8. Attach the assembly (**22b + 29**) to the Standard UVR-2 100 (**22a**) with the Horizontal Ledgers UH-2 25 (**29**). Hammer all wedges into place.

(Fig. E2.03)

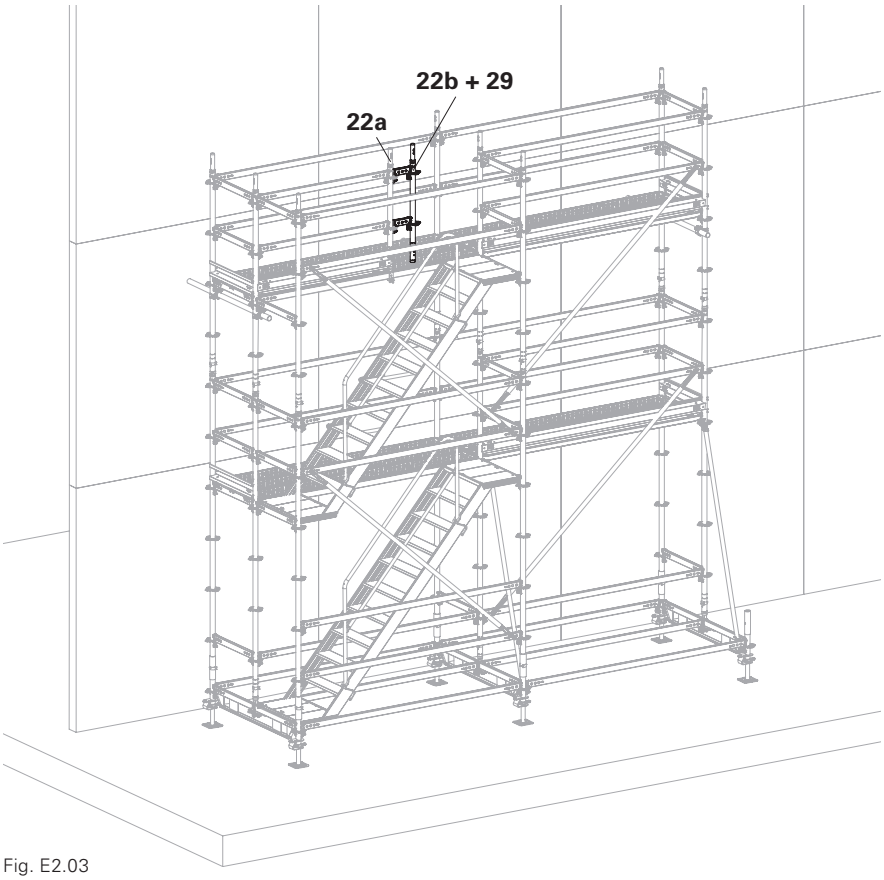


Fig. E2.03

Entry platforms / hatches

As an alternative to the external staircase, access decks, entry platforms and access hatches can be installed. (Fig. E2.04)

Assembly
see Instructions for Assembly and Use for PERI UP Flex Facade Scaffolding 75 and 100

- Only possible up to load class 3.
- Observe national regulations!

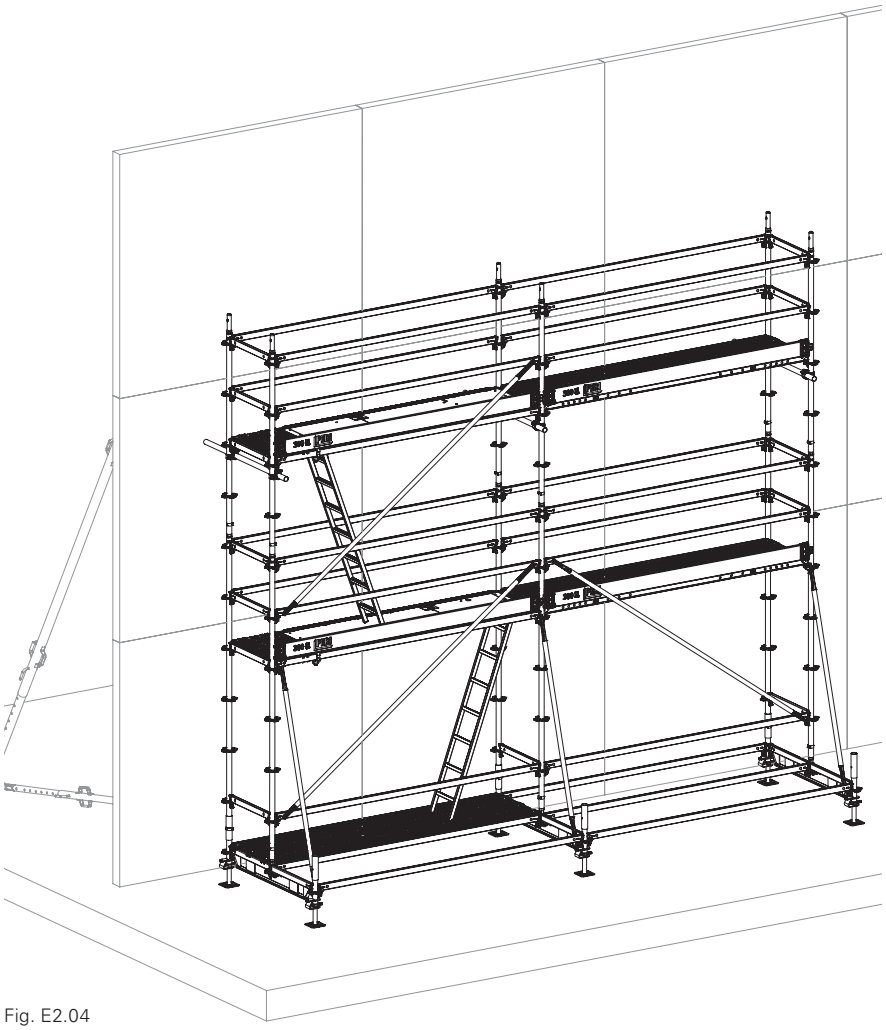


Fig. E2.04

Scaffold width	Base width	Standing height
75 cm	≥ 150	≤ 460 cm
100 cm	≥ 150	≤ 460 cm

Base level without Horizontal Ledger UHV

Instead of using Horizontal Ledgers UHV with UH-Spigot-2, the centre standards can be set up with adjustable base plates and base standards.
Then fit two corresponding Horizontal Ledgers UH-2 instead of Horizontal Ledger UHV-2 (Fig. E2.05).

When carrying out the installation process for the first time and after each repositioning process, adjust all the adjustable base plates so that they have a load-bearing effect.

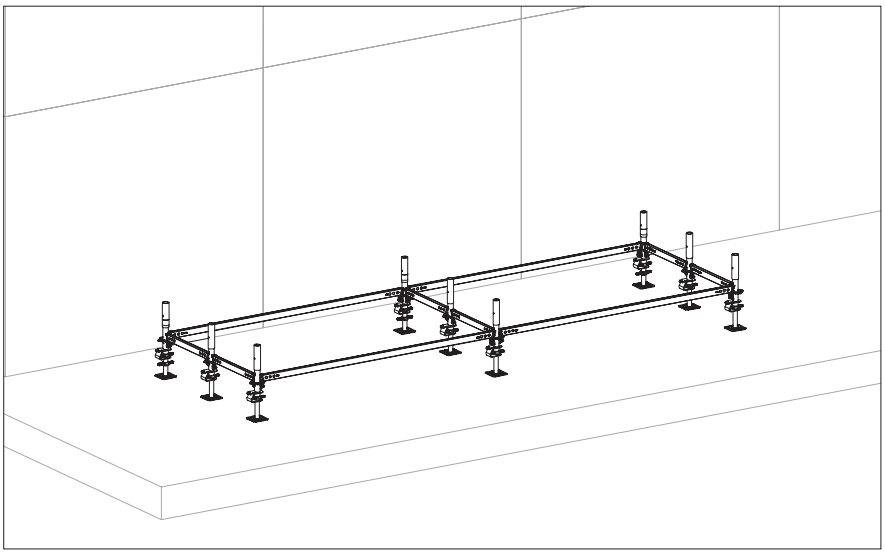
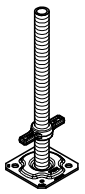


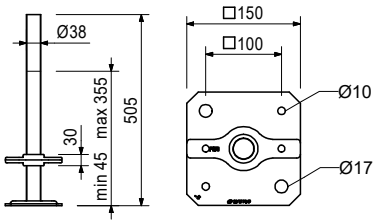
Fig. E2.05

Art no.	Weight [kg]	
100411	3.390	**Adj. Base Plate UJB 38-50/30**

Notes

With captive red quick jack nut.





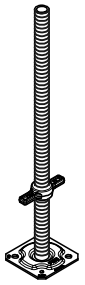
Accessory (not included)

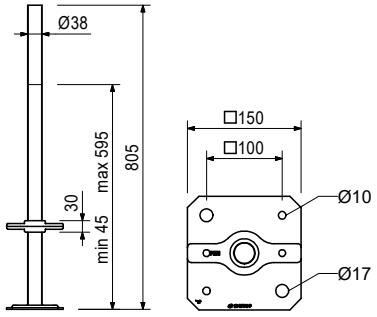
100863 Spindle Locking UJS

Art no.	Weight [kg]	
100242	4.570	**Adj. Base Plate UJB 38-80/55**

Notes

With captive yellow quick jack nut.





Accessory (not included)

100863 Spindle Locking UJS

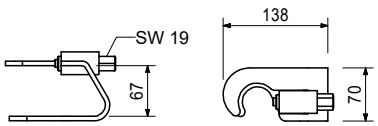
Art no.	Weight [kg]	
100863	1.020	**Spindle Locking UJS**

Locks base spindles and section spindles Ø 38 mm in the leg during moving procedures.

Notes

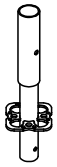
Permissible load 1.5 kN.

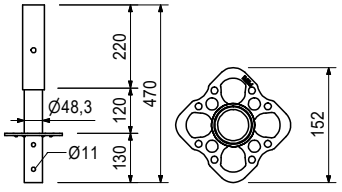




Art no.	Weight [kg]	
133499	2.260	**Base Standard UVB 25**

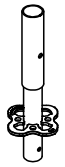
For fitting onto the base spindles directly. Can also be used as 25 cm standard.

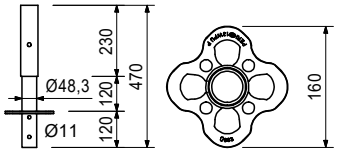




Art no.	Weight [kg]	
400014	2.460	**Base Standard UVB 24**

For fitting onto the base spindles directly.

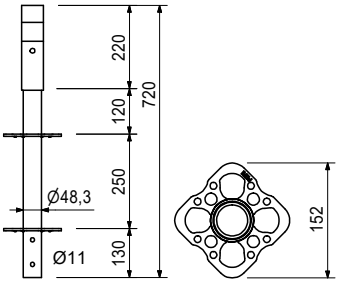




Art no.	Weight [kg]	
135187	3.580	**Base Standard UVB 50**

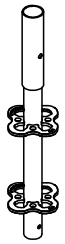
For fitting onto the base spindles directly. Can also be used as 50 cm standard.

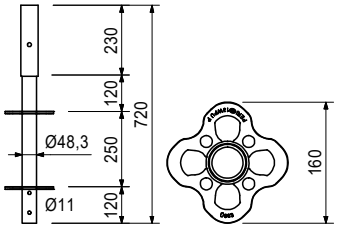




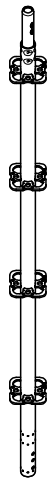
Art no.	Weight [kg]	
417194	3.980	**Base Standard UVB 49**

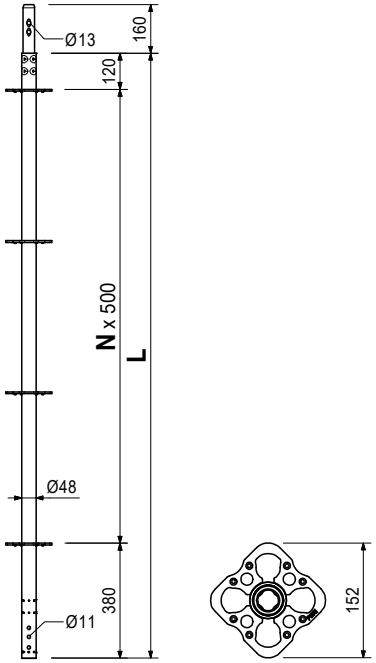
For fitting onto the base spindles directly. Reduces necessary spindle extensions with 25 cm rosette spacing.



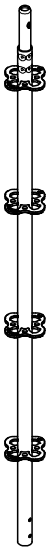


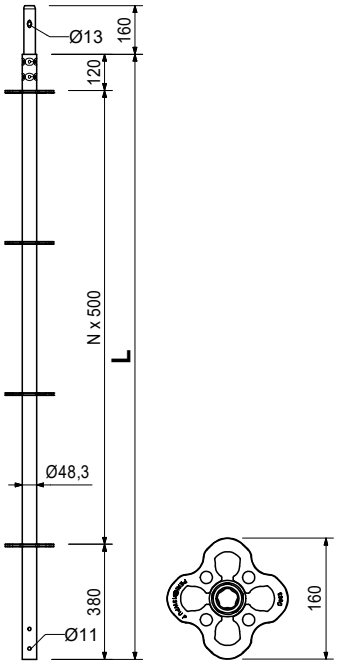
Art no.	Weight [kg]		L [mm]
		Standards UVR-2	
132219	2.720	**Standard UVR-2 50**	500
132224	4.340	**Standard UVR-2 100**	1000
132229	6.190	**Standard UVR-2 150**	1500
132234	8.030	**Standard UVR-2 200**	2000
132239	11.700	**Standard UVR-2 300**	3000





Art no.	Weight [kg]		L [mm]
		Standards UVR	
402859	3.080	**Standard UVR 50**	500
401306	5.380	**Standard UVR 100**	1000
402860	7.690	**Standard UVR 150**	1500
400009	10.000	**Standard UVR 200**	2000
400012	14.700	**Standard UVR 300**	3000

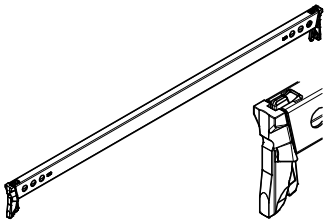


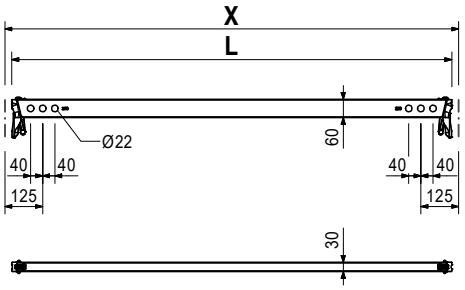


Art no.	Weight [kg]		L [mm]	X [mm]
		Horizontal Ledgers UH-2		
131995	1.390	**Horizontal Ledger UH-2 25**	204	250
133900	1.580	**Horizontal Ledger UH-2 33**	284	330
131998	2.210	**Horizontal Ledger UH-2 50**	454	500
133903	2.720	**Horizontal Ledger UH-2 67**	624	670
132213	2.680	**Horizontal Ledger UH-2 75**	704	750
137911	3.740	**Horizontal Ledger UH-2 100E**	954	1000
432004	3.730	**Horizontal Ledger UH-2 100**	954	1000
132007	4.500	**Horizontal Ledger UH-2 125**	1204	1250
132010	4.670	**Horizontal Ledger UH-2 150**	1454	1500
132013	5.330	**Horizontal Ledger UH-2 175**	1704	1750
132016	6.620	**Horizontal Ledger UH-2 200**	1954	2000
132019	6.650	**Horizontal Ledger UH-2 225**	2204	2250
132025	8.210	**Horizontal Ledger UH-2 250**	2454	2500
132022	9.590	**Horizontal Ledger UH-2 300**	2954	3000

Notes

With color coding for length identification.

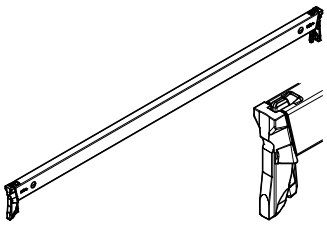


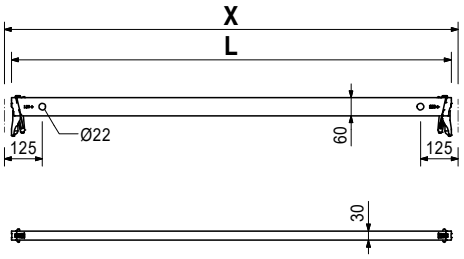


Art no.	Weight [kg]		L [mm]	X [mm]
		Horizontal Ledgers UH Plus		
414613	1.420	**Horizontal Ledger UH 25 Plus**	204	250
414595	2.070	**Horizontal Ledger UH 50 Plus**	454	500
429982	2.520	**Horizontal Ledger UH 67 Plus**	624	670
414629	2.730	**Horizontal Ledger UH 75 Plus**	704	750
414632	4.390	**Horizontal Ledger UH 100 Plus**	954	1000
414638	5.340	**Horizontal Ledger UH 125 Plus**	1204	1250
414641	4.720	**Horizontal Ledger UH 150 Plus**	1454	1500
417032	5.380	**Horizontal Ledger UH 175 Plus**	1704	1750
414645	6.040	**Horizontal Ledger UH 200 Plus**	1954	2000
416356	6.700	**Horizontal Ledger UH 225 Plus**	2204	2250
414648	7.360	**Horizontal Ledger UH 250 Plus**	2454	2500
414651	8.680	**Horizontal Ledger UH 300 Plus**	2954	3000

Notes

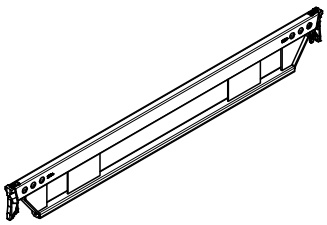
With length marking for easier identification.

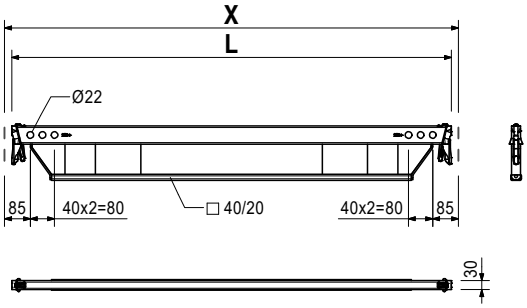




Art no.	Weight [kg]		L [mm]	X [mm]
		Horizontal Ledgers UHV-2		
137020	10.100	**Horizontal Ledger UHV-2 150**	1454	1500
137025	13.600	**Horizontal Ledger UHV-2 200**	1954	2000
137030	17.000	**Horizontal Ledger UHV-2 250**	2454	2500
137035	20.200	**Horizontal Ledger UHV-2 300**	2954	3000

For high loads, e.g. in the case of material storage.

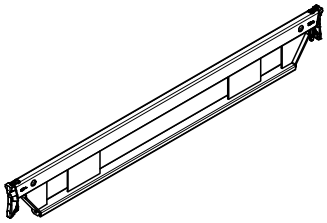


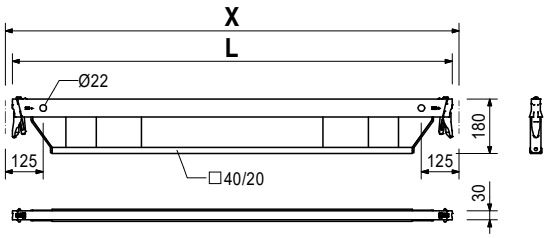


PERI UP Flex Reinforcement Scaffold 75 and 100 with Staircase

Art no.	Weight [kg]		L [mm]	X [mm]
		Horizontal Ledgers UHV Plus		
414681	10.900	**Horizontal Ledger UHV 150 Plus**	1454	1500
414687	14.700	**Horizontal Ledger UHV 200 Plus**	1954	2000
414691	17.900	**Horizontal Ledger UHV 250 Plus**	2454	2500
414695	21.600	**Horizontal Ledger UHV 300 Plus**	2954	3000

For high loads, e.g. in the case of material storage.



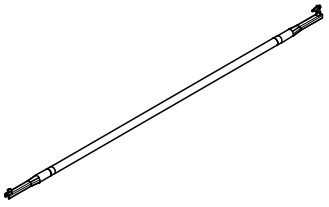


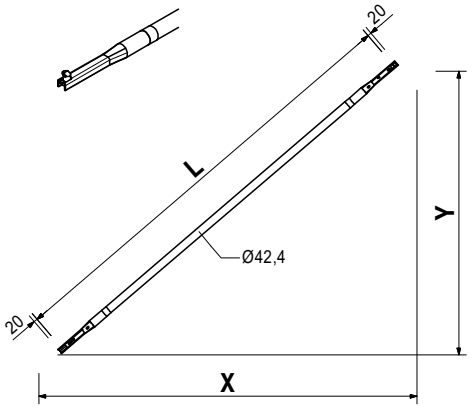
Art no.	Weight [kg]		L [mm]	X [mm]	Y [mm]
		Ledger Braces UBL-2			
132771	2.320	**Ledger Brace UBL-2 100/50**	901	1000	500
132773	3.130	**Ledger Brace UBL-2 100/100**	1250	1000	1000
132775	4.040	**Ledger Brace UBL-2 100/150**	1677	1000	1500
132777	5.090	**Ledger Brace UBL-2 100/200**	2136	1000	2000
132779	3.260	**Ledger Brace UBL-2 150/50**	1347	1500	500
132781	3.720	**Ledger Brace UBL-2 150/100**	1601	1500	1000
132783	4.640	**Ledger Brace UBL-2 150/150**	1953	1500	1500
132785	5.040	**Ledger Brace UBL-2 150/200**	2358	1500	2000
132787	5.320	**Ledger Brace UBL-2 175/200**	2500	1750	2000
132789	4.370	**Ledger Brace UBL-2 200/50**	1820	2000	500
132791	4.770	**Ledger Brace UBL-2 200/100**	2016	2000	1000
132793	4.940	**Ledger Brace UBL-2 200/150**	2305	2000	1500
132795	6.110	**Ledger Brace UBL-2 200/200**	2658	2000	2000
132797	4.870	**Ledger Brace UBL-2 225/50**	2062	2250	500
132808	5.190	**Ledger Brace UBL-2 225/100**	2236	2250	1000
132810	6.460	**Ledger Brace UBL-2 225/200**	2829	2250	2000
132812	5.250	**Ledger Brace UBL-2 250/100**	2462	2500	1000
132814	6.170	**Ledger Brace UBL-2 250/150**	2705	2500	1500
132816	6.340	**Ledger Brace UBL-2 250/200**	3010	2500	2000
132827	5.910	**Ledger Brace UBL-2 300/50**	2795	3000	500
132829	6.830	**Ledger Brace UBL-2 300/100**	2926	3000	1000
132831	7.360	**Ledger Brace UBL-2 300/150**	3133	3000	1500
132833	7.120	**Ledger Brace UBL-2 300/200**	3400	3000	2000

Suspension in holes of the Horizontal Ledgers.

Notes

With length embossing and coloured sticker for easy identification.
UBL-2 150/250 is identical with UBL-2 300/50.
UBL-2 225/150 is identical with UBL-2 175/200.
UBL-2 250/50 is identical with UBL-2 200/150.
UBL-2 75/200 is identical with UBL-2 225/50.



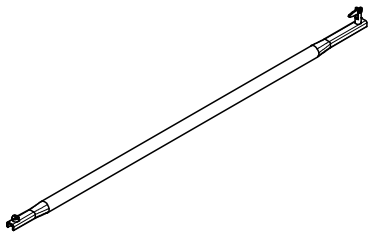


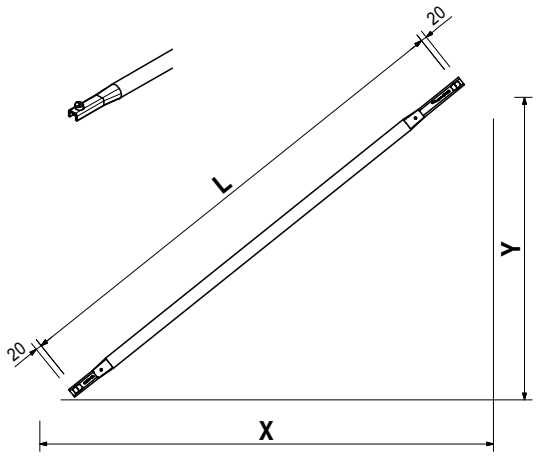
Art no.	Weight [kg]		L [mm]	X [mm]	Y [mm]
		Ledger Braces UBL			
415156	2.660	**Ledger Brace UBL 100/50**	901	1000	500
415513	4.640	**Ledger Brace UBL 100/150**	1677	1000	1500
415157	5.810	**Ledger Brace UBL 100/200**	2136	1000	2000
407867	3.790	**Ledger Brace UBL 150/50**	1347	1500	500
400055	4.440	**Ledger Brace UBL 150/100**	1601	1500	1000
402846	5.340	**Ledger Brace UBL 150/150**	1953	1500	1500
400057	6.380	**Ledger Brace UBL 150/200**	2358	1500	2000
409034	6.740	**Ledger Brace UBL 175/200**	2500	1750	2000
404391	5.000	**Ledger Brace UBL 200/50**	1820	2000	500
400059	5.510	**Ledger Brace UBL 200/100**	2016	2000	1000
402862	6.240	**Ledger Brace UBL 200/150**	2305	2000	1500
400061	7.150	**Ledger Brace UBL 200/200**	2658	2000	2000
430282	5.620	**Ledger Brace UBL 225/50**	2062	2250	500
430283	6.070	**Ledger Brace UBL 225/100**	2236	2250	1000
417689	7.580	**Ledger Brace UBL 225/200**	2829	2250	2000
400063	6.640	**Ledger Brace UBL 250/100**	2462	2500	1000
402861	7.260	**Ledger Brace UBL 250/150**	2705	2500	1500
400065	8.050	**Ledger Brace UBL 250/200**	3010	2500	2000
404762	7.490	**Ledger Brace UBL 300/50**	2795	3000	500
400067	7.830	**Ledger Brace UBL 300/100**	2926	3000	1000
404766	8.360	**Ledger Brace UBL 300/150**	3133	3000	1500
400069	9.040	**Ledger Brace UBL 300/200**	3400	3000	2000

Suspension in holes of the Horizontal Ledgers.

Notes

With length embossing and coloured sticker for easy identification.
UBL 150/250 is identical with UBL 300/50.
UBL 225/150 is identical with UBL 175/200.
UBL 250/50 is identical with UBL 200/150.
UBL 75/200 is identical with UBL 225/50.



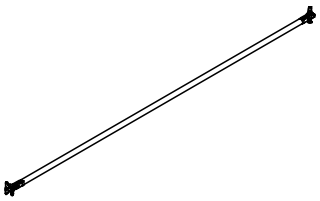


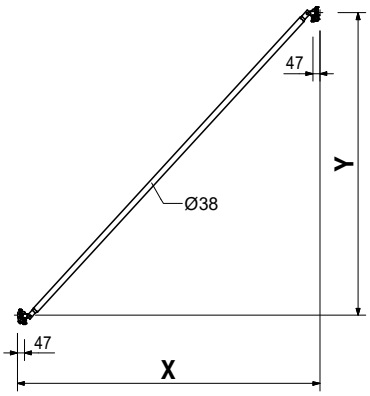
PERI UP Flex Reinforcement Scaffold 75 and 100 with Staircase

Art no.	Weight [kg]		L [mm]	X [mm]	Y [mm]
		Node Braces UBK-2			
133418	5.280	**Node Brace UBK-2 75/200**	2190	750	2000
133421	5.490	**Node Brace UBK-2 100/200**	2285	1000	2000
133424	3.900	**Node Brace UBK-2 125/100**	1625	1250	1000
133427	5.590	**Node Brace UBK-2 125/200**	2401	1250	2000
133430	4.240	**Node Brace UBK-2 150/100**	1821	1500	1000
133433	5.260	**Node Brace UBK-2 150/150**	2152	1500	1500
133436	5.810	**Node Brace UBK-2 150/200**	2539	1500	2000
133439	4.990	**Node Brace UBK-2 200/100**	2246	2000	1000
133442	5.860	**Node Brace UBK-2 200/150**	2521	2000	1500
133445	6.430	**Node Brace UBK-2 200/200**	2860	2000	2000
133448	6.280	**Node Brace UBK-2 250/100**	2696	2500	1000
133451	6.210	**Node Brace UBK-2 250/150**	2930	2500	1500
133454	7.160	**Node Brace UBK-2 250/200**	3226	2500	2000
133457	6.620	**Node Brace UBK-2 300/100**	3131	3000	1000
133460	6.980	**Node Brace UBK-2 300/150**	3356	3000	1500
133463	7.910	**Node Brace UBK-2 300/200**	3625	3000	2000

Notes

With color coding for length identification.



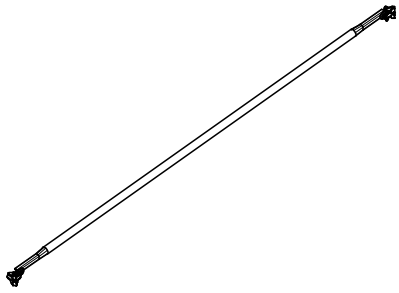


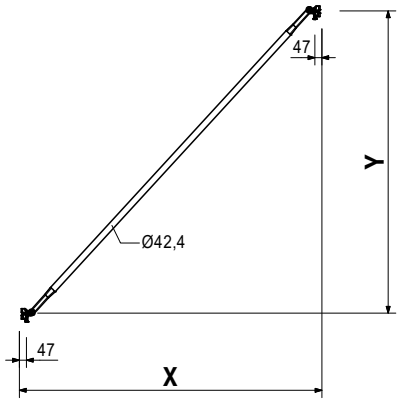
PERI UP Flex Reinforcement Scaffold 75 and 100 with Staircase

Art no.	Weight [kg]		L [mm]	X [mm]	Y [mm]
		Node Braces UBK			
424170	6.770	**Node Brace UBK 75/200**	2190	750	2000
412926	6.980	**Node Brace UBK 100/200**	2285	1000	2000
415354	5.210	**Node Brace UBK 125/100**	1625	1250	1000
412765	7.250	**Node Brace UBK 125/200**	2401	1250	2000
400981	5.700	**Node Brace UBK 150/100**	1821	1500	1000
400973	6.570	**Node Brace UBK 150/150**	2152	1500	1500
400572	7.590	**Node Brace UBK 150/200**	2539	1500	2000
400985	6.780	**Node Brace UBK 200/100**	2246	2000	1000
406630	7.500	**Node Brace UBK 200/150**	2521	2000	1500
400573	8.380	**Node Brace UBK 200/200**	2860	2000	2000
400989	7.930	**Node Brace UBK 250/100**	2696	2500	1000
406624	8.530	**Node Brace UBK 250/150**	2930	2500	1500
400574	9.300	**Node Brace UBK 250/200**	3226	2500	2000
400993	9.120	**Node Brace UBK 300/100**	3131	3000	1000
400575	10.300	**Node Brace UBK 300/200**	3625	3000	2000

Notes

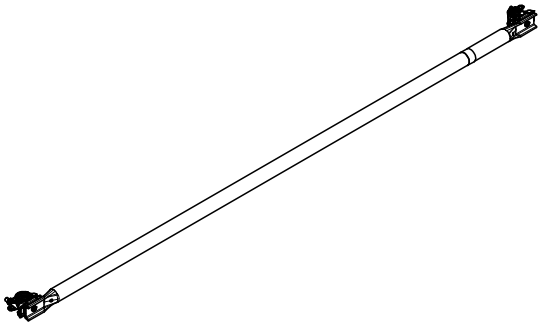
With color coding for length identification.

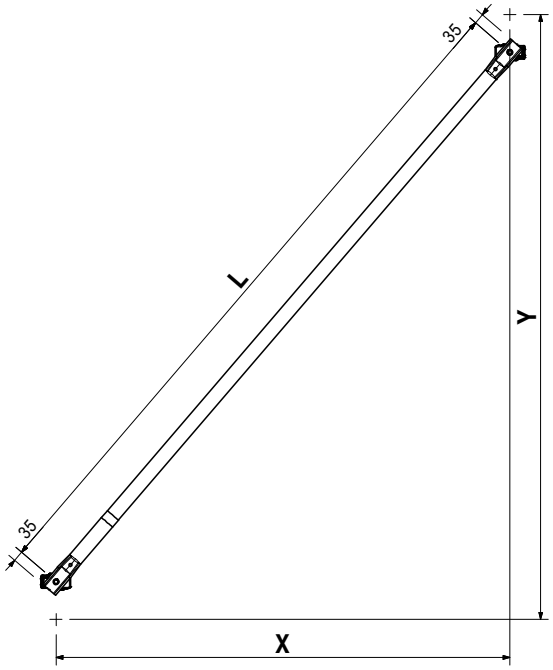




Art no.	Weight [kg]		L [mm]	X [mm]	Y [mm]
		Coupler Braces UBC-2 200			
131750	7.330	**Coupler Brace UBC-2 67-100/200**	1750	670	2000
131726	9.020	**Coupler Brace UBC-2 150/200**	2305	1500	2000
131741	10.100	**Coupler Brace UBC-2 200/200**	2657	2000	2000
131747	12.500	**Coupler Brace UBC-2 300/200**	3473	3000	2000

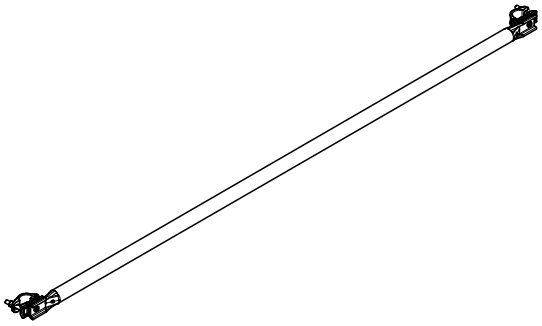
For special applications.
For connecting scaffold tubes Ø 48 mm.

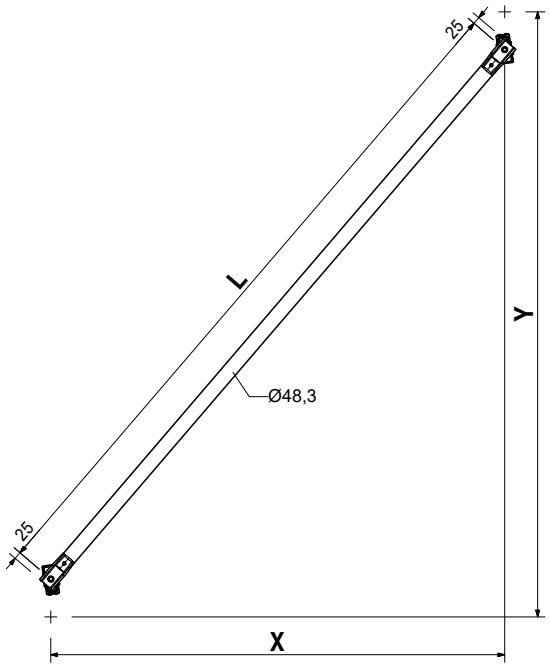




Art no.	Weight [kg]		L [mm]	X [mm]	Y [mm]
		Coupler Braces UBC 200			
400416	9.520	**Coupler Brace UBC 150/200**	2305	1500	2000
400419	10.800	**Coupler Brace UBC 200/200**	2657	2000	2000
400422	12.200	**Coupler Brace UBC 250/200**	3052	2500	2000
400425	13.700	**Coupler Brace UBC 300/200**	3473	3000	2000

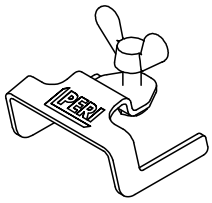
For special applications.
For connecting to Scaffold Tubes Ø 48 mm.

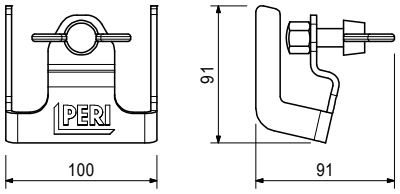




Art no.	Weight [kg]	
134542	0.606	**Toeboard Compensation UPY-L**

Connecting component for connecting of 2 x Toeboards UPY.

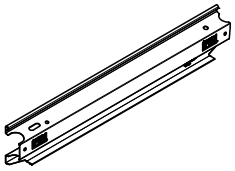


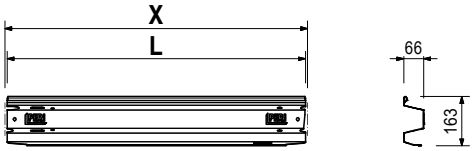


Art no.	Weight [kg]		L [mm]	X [mm]
		Toeboards Steel UPY		
132592	0.413	**Toeboard Steel UPY 25**	236	250
110213	0.927	**Toeboard Steel UPY 50**	486	500
110514	1.440	**Toeboard Steel UPY 75**	736	750
110073	1.960	**Toeboard Steel UPY 100**	986	1000
134628	2.480	**Toeboard Steel UPY 125**	1236	1250
110160	2.990	**Toeboard Steel UPY 150**	1486	1500
110176	4.020	**Toeboard Steel UPY 200**	1986	2000
110208	5.060	**Toeboard Steel UPY 250**	2486	2500
110211	6.090	**Toeboard Steel UPY 300**	2986	3000

Notes

Surface, galvanised and painted in yellow.



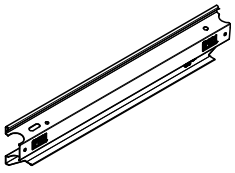


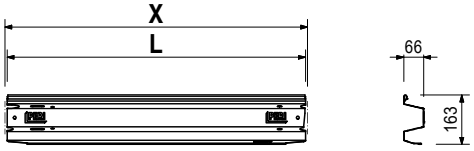
Accessory (not included)

134542 Toeboard Compensation UPY-L

Art no.	Weight [kg]		L [mm]	X [mm]
		Toeboards Steel UPY-C		
134643	0.413	**Toeboard Steel UPY-C 25**	236	250
134642	0.927	**Toeboard Steel UPY-C 50**	486	500
134641	1.280	**Toeboard Steel UPY-C 67**	656	670
134640	1.440	**Toeboard Steel UPY-C 75**	736	750
134639	1.960	**Toeboard Steel UPY-C 100**	986	1000
134638	2.480	**Toeboard Steel UPY-C 125**	1236	1250
140117	2.640	**Toeboard Steel UPY-C 133**	1316	1330
134637	2.990	**Toeboard Steel UPY-C 150**	1486	1500
134636	4.020	**Toeboard Steel UPY-C 200**	1986	2000
134635	5.060	**Toeboard Steel UPY-C 250**	2486	2500
134634	6.090	**Toeboard Steel UPY-C 300**	2986	3000

Customised toeboard steel design in RAL colour scheme possible on request.

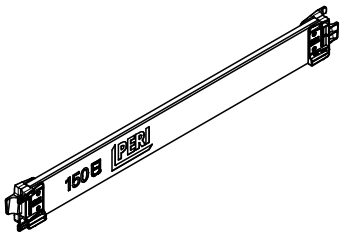


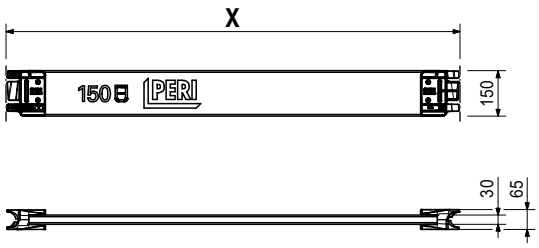


Art no.	Weight [kg]		L [mm]	X [mm]
		Toeboards Wood UPF		
129490	1.180	**Toeboard Wood UPF 50**	495	500
129494	1.720	**Toeboard Wood UPF 75**	745	750
129496	2.250	**Toeboard Wood UPF 100**	995	1000
129498	3.320	**Toeboard Wood UPF 150**	1495	1500
129500	4.390	**Toeboard Wood UPF 200**	1995	2000
129502	5.460	**Toeboard Wood UPF 250**	2495	2500
129504	6.520	**Toeboard Wood UPF 300**	2995	3000

Notes

Surface, painted yellow.

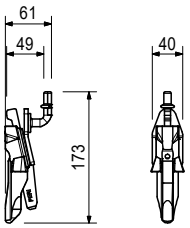




Art no.	Weight [kg]	
130562	0.619	**Guardrail Holder EPW**

For mounting the Guardrails EPG to rosettes.

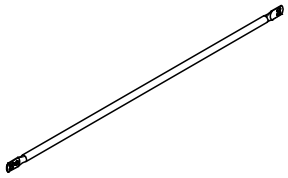


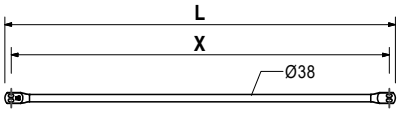


Art no.	Weight [kg]		L [mm]	X [mm]
		Guardrails EPG		
130193	1.680	**Guardrail EPG 100**	1065	1000
130195	2.480	**Guardrail EPG 150**	1565	1500
130197	3.280	**Guardrail EPG 200**	2065	2000
130199	4.090	**Guardrail EPG 250**	2565	2500
130201	4.890	**Guardrail EPG 300**	3065	3000

Notes

With length marking for easier identification.

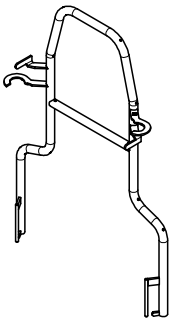


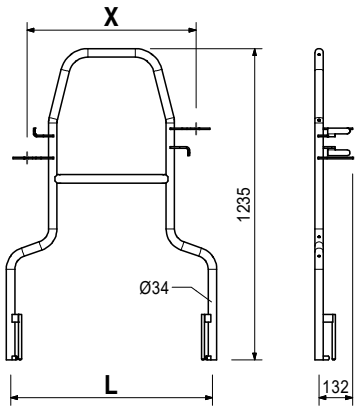


PERI UP Flex Reinforcement Scaffold 75 and 100 with Staircase

Art no.	Weight [kg]		L [mm]	X [mm]
		Advance Guardrails UPA-2		
134100	6.730	**Advance Guardrail UPA-2 67**	801	670
134102	7.000	**Advance Guardrail UPA-2 75**	881	750
134104	8.100	**Advance Guardrail UPA-2 100**	1131	1000

Assembly in advance.



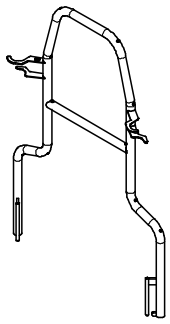


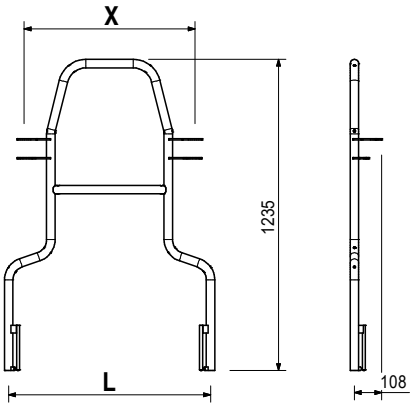
Art no.	Weight [kg]	
		Advance Guardrails UPA
430476	6.230	**Advance Guardrail UPA 67**
430577	6.500	**Advance Guardrail UPA 75**
430583	7.600	**Advance Guardrail UPA 100**

Assembly in advance.

Notes

Toe board wood / toe bord steel not integrated.





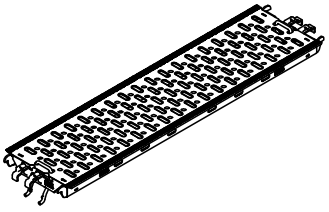
PERI UP Flex Reinforcement Scaffold 75 and 100 with Staircase

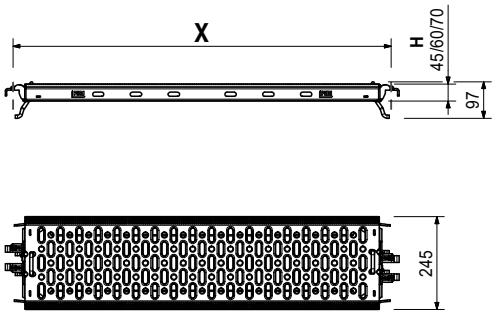
Art no.	Weight [kg]		X [mm]	zul. p [kN/m²]
		Steel Decks UDG-2 25		
138607	2.200	**Steel Deck UDG-2 25x25**	250	6
132479	3.190	**Steel Deck UDG-2 25x50**	500	6
132483	3.960	**Steel Deck UDG-2 25x67**	670	6
132488	4.320	**Steel Deck UDG-2 25x75**	750	6
132492	5.450	**Steel Deck UDG-2 25x100**	1000	6
132502	6.590	**Steel Deck UDG-2 25x125**	1250	6
132505	7.730	**Steel Deck UDG-2 25x150**	1500	6
132508	9.340	**Steel Deck UDG-2 25x200**	2000	6
132511	12.900	**Steel Deck UDG-2 25x250**	2500	4.5
132515	15.800	**Steel Deck UDG-2 25x300**	3000	3

Length X: 50 - 150 with H of 45 mm.
Length X: 200 - 250 with H of 60 mm.
Length X: 300 with H of 70 mm.

Notes

Values correspond to EN 12811-1.
With color plugs for length identification.



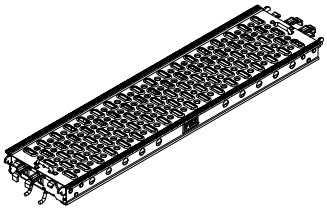


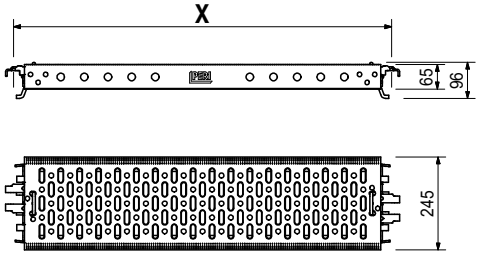
Art no.	Weight [kg]		X [mm]	zul. p [kN/m²]
		Steel Decks UDG 25		
424124	3.880	**Steel Deck UDG 25x50**	500	6
432858	4.810	**Steel Deck UDG 25x67**	670	6
424121	5.260	**Steel Deck UDG 25x75**	750	6
424118	6.630	**Steel Deck UDG 25x100**	1000	6
424115	8.010	**Steel Deck UDG 25x125**	1250	6
424112	9.410	**Steel Deck UDG 25x150**	1500	6
424109	12.200	**Steel Deck UDG 25x200**	2000	6
423771	14.900	**Steel Deck UDG 25x250**	2500	4.5
424915	17.700	**Steel Deck UDG 25x300**	3000	3

Assembly onto Horizontal Ledgers UH.

Notes

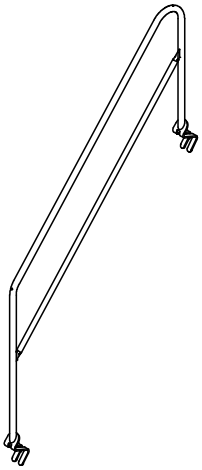
Values correspond to EN 12811-1.

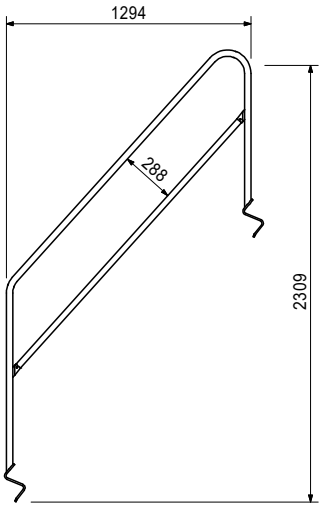




Art no.	Weight [kg]	
100742	10.000	**Stair Guardrail UAG**

Suitable for Staircases UAS and EAS as internal and external guardrails.

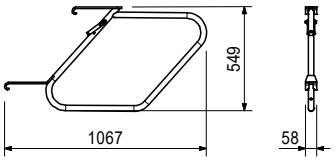




Art no.	Weight [kg]	
133543	4.510	**Stair Guardrail UAH-2**

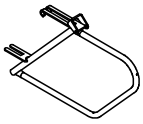
For fixing to the stringers of the Staircases UAS, UAS-2 and EAS.

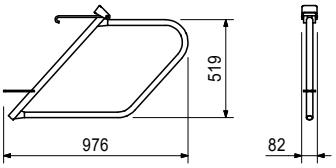




Art no.	Weight [kg]	
400830	4.970	**Stair Guardrail UAH**

For fixing to the stringers of the Staircases UAS.



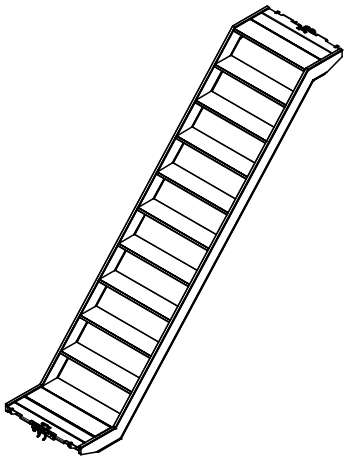


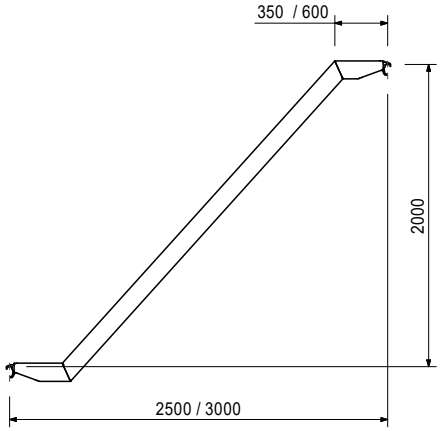
Art no.	Weight [kg]	
		Staircases UAS 75/200
411117	28.000	**Staircase UAS 75x250/200**
411124	32.900	**Staircase UAS 75x300/200**

Fits onto Horizontal Ledgers UH.

Notes

Load Class 3 = 2.0 kN/m².





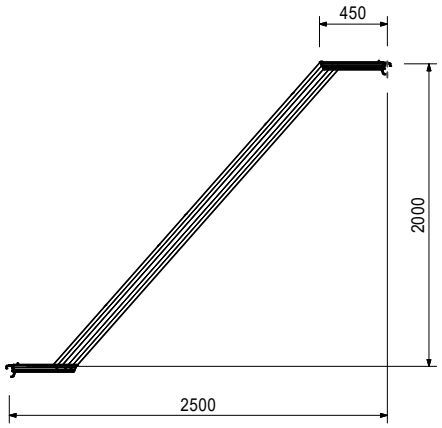
Art no.	Weight [kg]	
134562	29.200	**Flexstairs UAS-2 75x250/200**

Fits onto Horizontal Ledger UH.

Notes

Class B according to DIN EN 12811-1.



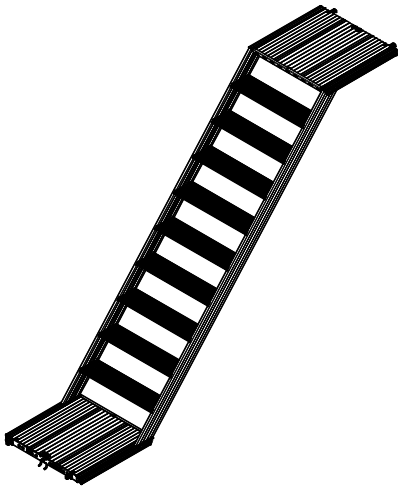


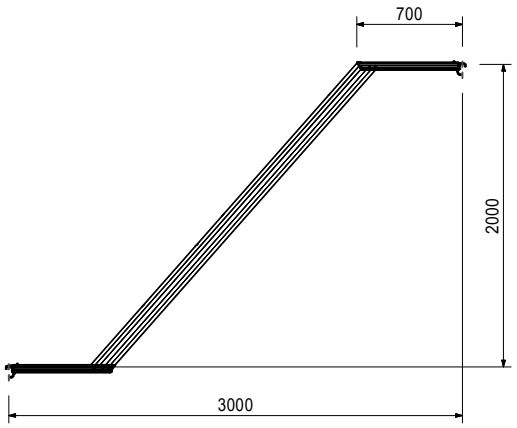
Art no.	Weight [kg]	
134561	32.800	**Flexstairs UAS-2 75x300/200**

Fits onto Horizontal Ledger UH.

Notes

Class B according to DIN EN 12811-1.



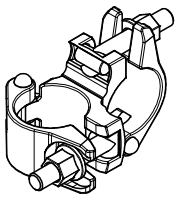


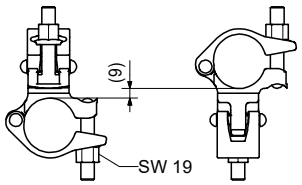
Art no.	Weight [kg]	
017020	1.120	**Standard Coupl. RA Ø48/48mm ga**

For Scaffold Tubes Ø 48 mm.

Notes

Coupling category: B.



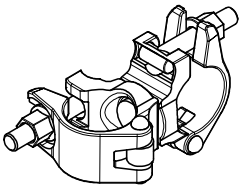


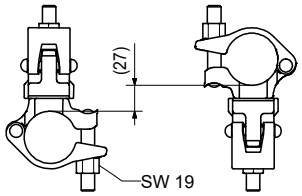
Art no.	Weight [kg]	
017010	1.400	**Swivel Coupler SW Ø48/48mm ga**

For Scaffold Tubes Ø 48 mm.

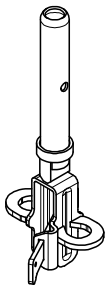
Notes

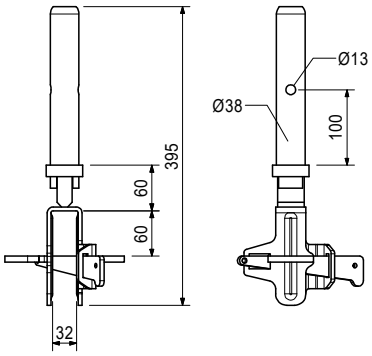
Coupling category: B.



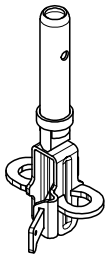


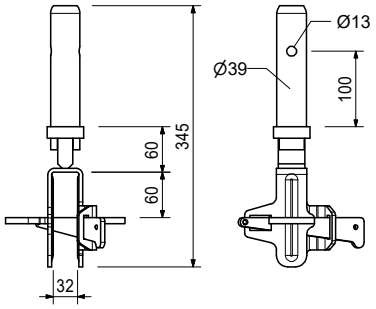
Art no.	Weight [kg]	
130684	2.000	**Ledger Bracket UHA-2 half Spi.**



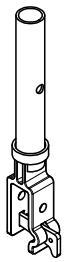


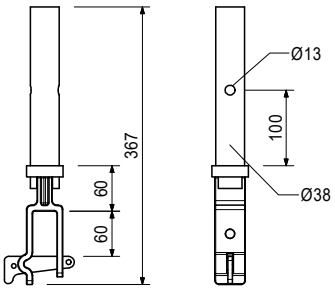
Art no.	Weight [kg]	
410792	1.900	**Ledger Bracket UHA half Spigot**



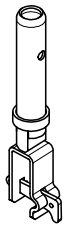


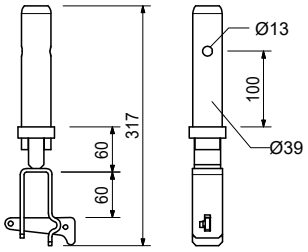
Art no.	Weight [kg]	
130681	1.510	**UH-Spigot-2**





Art no.	Weight [kg]	
409764	1.250	**UH-Spigot**

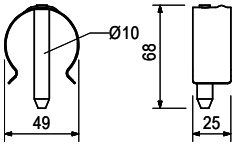




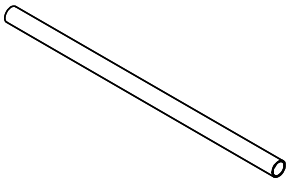
Art no.	Weight [kg]	
111053	0.059	**Locking Pin Ø48-57mm**

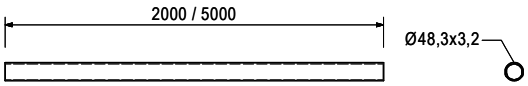
As tension-proof connection of standards with Ø 48 up to 57 mm.



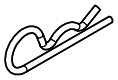


Art no.	Weight [kg]		L [mm]
		Scaff. Tubes 48.3x3.2mm ga	
026415	3.550	**Scaff. Tube 48.3x3.2mm lfm ga**	1000
026411	3.550	**Scaff. Tube 48.3x3.2mm 1m ga**	1000
026412	7.100	**Scaff. Tube 48.3x3.2mm 2m ga**	2000
026413	10.650	**Scaff. Tube 48.3x3.2mm 3m ga**	3000
026414	14.200	**Scaff. Tube 48.3x3.2mm 4m ga**	4000
026419	17.750	**Scaff. Tube 48.3x3.2mm 5m ga**	5000
026418	21.600	**Scaff. Tube 48.3x3.2mm 6m ga**	6000
026417	0.000	**Cutting Costs Scaffold Tube**	1





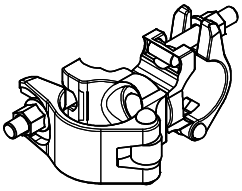
Art no.	Weight [kg]	
022230	0.033	**Cotter Pin 5/1 ga**

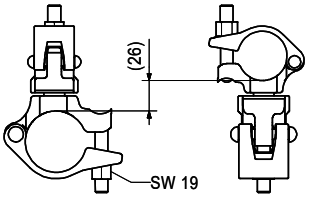




Art no.	Weight [kg]	
017000	1.540	**Sw. Coupl. EN74 RS Ø60/48mm ga**

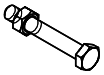
For Scaffold Tubes Ø 48 mm and Ø 60 mm.

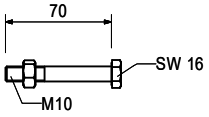




Art no.	Weight [kg]	
100719	0.060	**Screw ISO4014-M10x70-8.8-ga-Nu**

As tension-proof connection of standards at suspended scaffolds and formwork girders.





Art no.	Weight [kg]	
113832	0.035	**PERI UP Ass. Certificate Tag**

For cordoning off scaffolding areas not yet authorised for use. With the exception of inserting the PERI UP Assembly Certificates.

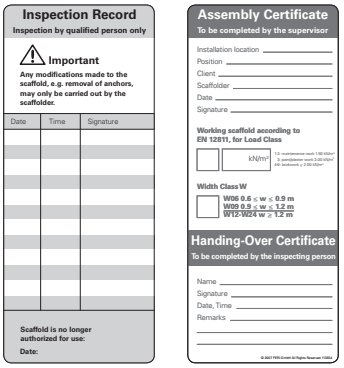


Art no.	Weight [kg]	
		PERI UP Ass. Certificates
113833	0.005	**PERI UP Ass. Certificate D**
125180	0.005	**PERI UP Ass.Certificate AUS/NZ**
113835	0.005	**PERI UP Ass. Certificate CDN**
113839	0.005	**PERI UP Ass. Certificate CZ**
113836	0.005	**PERI UP Ass. Certificate ES**
124052	0.005	**PERI UP Ass. Certificate EST**
113834	0.005	**PERI UP Ass. Certificate Ex**
113829	0.005	**PERI UP Ass. Certificate F**
124645	0.005	**PERI UP Ass. Certificate FIN**
126647	0.005	**PERI UP Ass. Certificate H**
117692	0.005	**PERI UP Ass. Certificate LT**
113838	0.005	**PERI UP Ass. Certificate PL**
113837	0.005	**PERI UP Ass. Certificate PT**
115729	0.005	**PERI UP Ass. Certificate SK**
115739	0.005	**PERI UP Ass. Certificate TR**

Inserted into the PERI UP Assembly Certificate Tag.

Notes

Front:
Assembly certificate for the approval of scaffolding.
Back:
Inspection record.



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