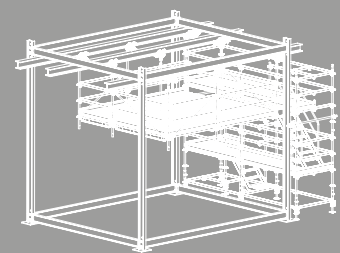
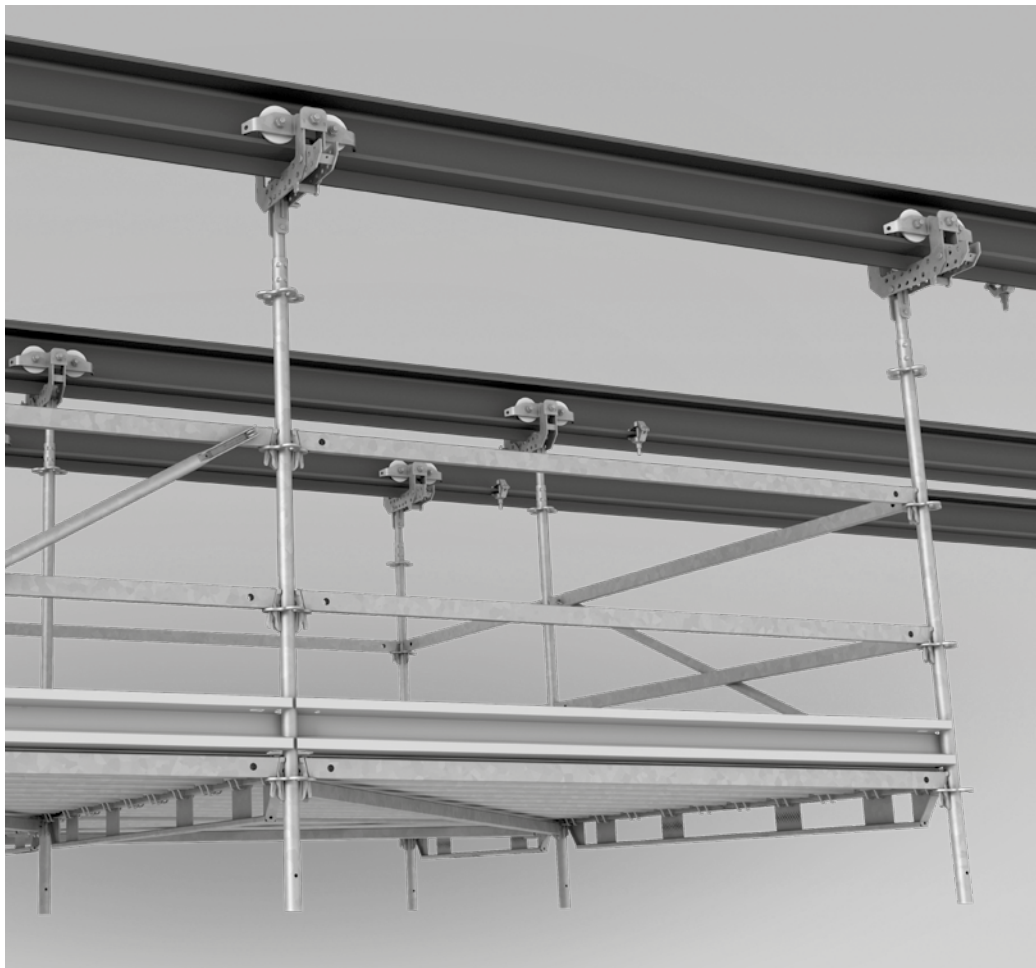


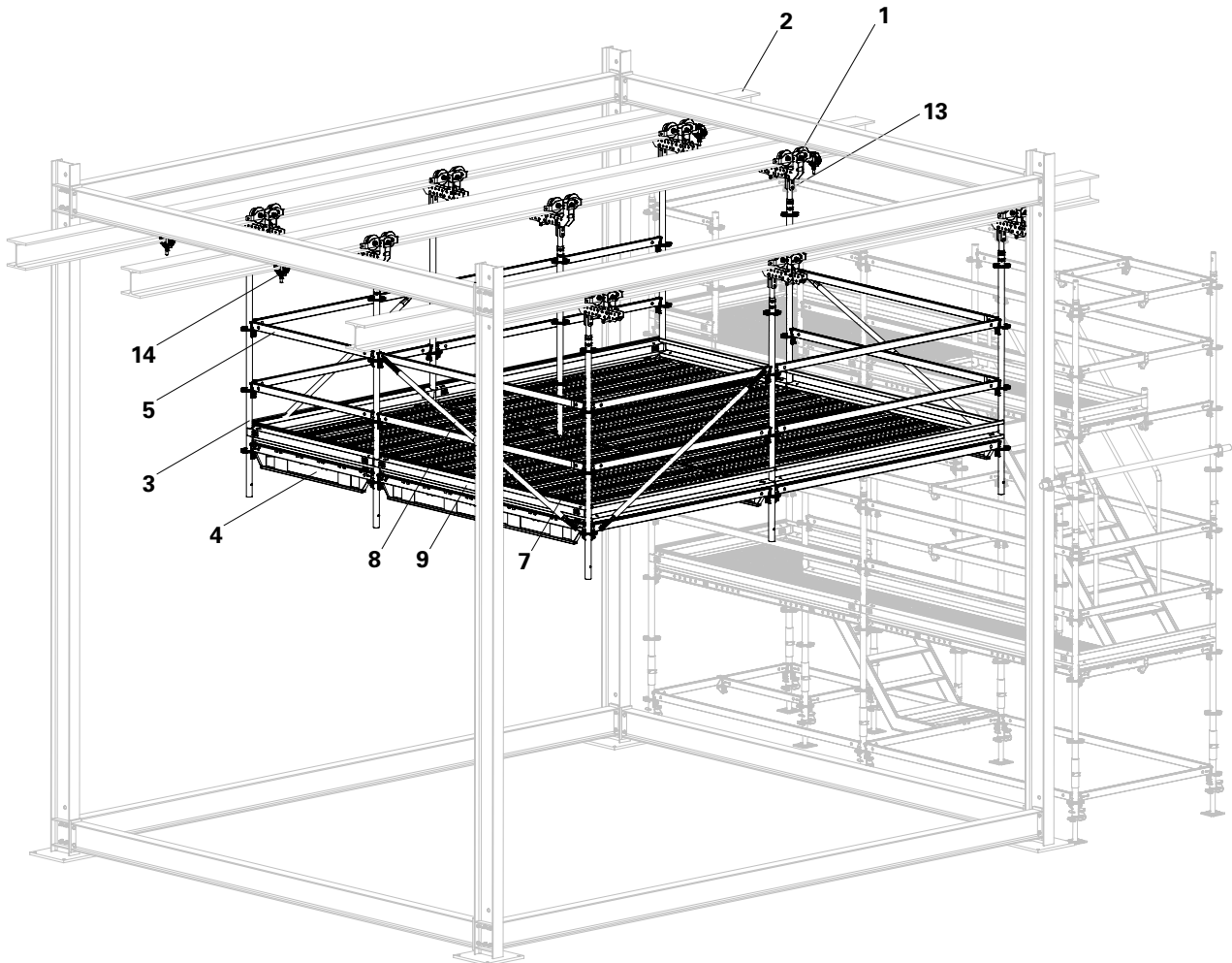
PERI UP Flex Suspended Scaffold

Instructions for Assembly and Use – Standard Configuration – Issue 03/2021
incl. supplemental pages PERI UP Flex 2nd generation



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Main components




- | | | | |
|---|----------------------------|----|---------------------------------|
| 1 | Trolley UFS 20 | 9 | Toeboard UPY |
| 2 | I-shaped steel girder | 10 | Top Standard UVH (not shown) |
| 3 | Standard UVR | 11 | Spigot ULT 32 (not shown) |
| 4 | Heavy-Duty Ledger UHV | 12 | Flange Coupler UEC (not shown) |
| 5 | Ledger UH | 13 | Bolt M10x70, Grade 8.8 with Nut |
| 6 | Horizontal Brace (covered) | 14 | Main Beam Clamp |
| 7 | Deck UDG | 15 | Standard Coupler (not shown) |
| 8 | Ledger Brace UBL | 16 | Scaffold Tube (not shown) |

Key


Pictogram | Definition

 Safety instructions

 Note

 Visual check

 Tip

 Correct application

 Misapplication

Dimension specifications

Dimensions are usually given in mm. Other units of measure, e.g. cm, are specified in the illustrations.

Conventions

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

Arrows

 Arrow representing an action

 Forces

Presentational reference

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

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

Target groups

Scaffolding contractors/building contractors

These Instructions for Assembly and Use are designed for contractors who use the scaffolds either for

- assembling, modifying and dismantling operations, or
- use them e.g. for concreting, or
- for other operations, e.g. carpentry or electrical work.

Construction site coordinator

The Safety and Health Protection Coordinator*

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

Competent personnel

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

Qualified specialists

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

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

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



In other countries, ensure that the relevant national guidelines and regulations in the respective current version are complied with!

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

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

Additional technical documentation

- Approvals:
 - Approval Z-8.1-863: "PERI UP Flex" Modular System
- Instructions for Assembly and Use:
 - Basic information: PERI UP Rosett Flex, Modular Scaffolding with UDI / UDG
 - PERI UP Rosett Flex Instructions for Assembly and Use, Working Scaffold 100 with Deck UDI
 - PERI UP Flex Staircase 75 Instructions for Assembly and Use
 - PERI UP Flex Staircase 100 and 125 Instructions for Assembly and Use
 - PERI UP Flex LGS Weather Protection Roof Instructions for Assembly and Use
- Instructions for Use:
 - Pallets and Stacking Devices
- Design Tables:
 - PERI UP Flex Design Tables
- Brochures:
 - PERI UP Rosett Flex: the modular system scaffolding
 - PERI UP access technology for construction sites, industry and public areas

Intended use

Product description

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

These Instructions for Assembly and Use are based on Approval Z-8.22-863 for the "PERI UP Flex Modular System".

These Instructions for Assembly and Use describe standard configurations for suspended scaffolds as working scaffolding with length-based or area-oriented decking levels.

The loads are transferred from the decking to horizontal intermediate supports, e.g. ledgers or lattice girders.

From there, the loads are transferred via the nodal points of the scaffolding to vertical tension rods which are anchored to the structure to be scaffolded.

An integral part of these Instructions for Assembly and Use are PERI UP solutions for anchoring the tension rods to steel beams or similar.

Instructions on use

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

Features

Suspended scaffolds are based on the PERI UP Flex modular scaffolding and are either

- securely fixed to steel beams of the structure using scaffold tubes and flange couplings, or
- can be moved with the trolley mounted on the steel beams of the structure.

The permissible loads must be determined and documented according to the individual project.

Transfer of the vertical and horizontal forces from the dead, live, wind and reinforcement loads into the load-bearing structure or the building is to be verified separately in each individual case.

Technical data

Deck widths: 25/50/75/100/125/150/200/250/300 cm

Scaffold bay lengths:

25/50/75/100/125/150/200/250/300 cm

Care and maintenance instructions

In order to maintain the value and operational readiness of the PERI products over the long term, clean the elements after each use.

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

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

Do not clean powder-coated or galvanized components with steel brushes or metal scrapers.

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

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

Do not clean components when suspended on a crane.

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

Cross-system

General

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

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

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

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

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

- signs of damage,
- stability and
- functionality.

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

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

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

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

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

On the basis of this risk assessment, appropriate measures for working and operational safety as well as stability are to be determined.

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

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

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

Exceptional occurrences can include:

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

Assembly, modification and dismantling work

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

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

Before initial use, the safe functioning of the scaffold must be checked by a competent person. The result of the inspection must be documented in an inspection record.

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

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

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

The contractor must

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

Utilization

Every contractor who uses or allows the scaffolding system or sections of the scaffolding system to be used, has the responsibility 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.

General information on suspended scaffolds

Proof of usability

For suspended scaffolds, proof of usability is to be provided in accordance with the overview.

As suspended scaffolds can seldom be realized according to a generally accepted standard configuration, usability must often be proved by means of project-specific verifications.

In the process, particular attention is to be paid to the transfer of the vertical and horizontal forces from the dead, live, wind and reinforcement loads into the load-bearing structure or the building.



The safe transfer of all loads from the suspended scaffold into the existing supporting structure must be checked with the responsible structural engineer.

The overall construction is to be secured against oscillation (e.g. through bracing against adjacent components).

All specifications which could affect the stability of the suspended scaffold are to be disclosed to the users in a plan for the utilization (intended use) including the permissible loads.

In addition, the scaffolding must be marked clearly for each user.

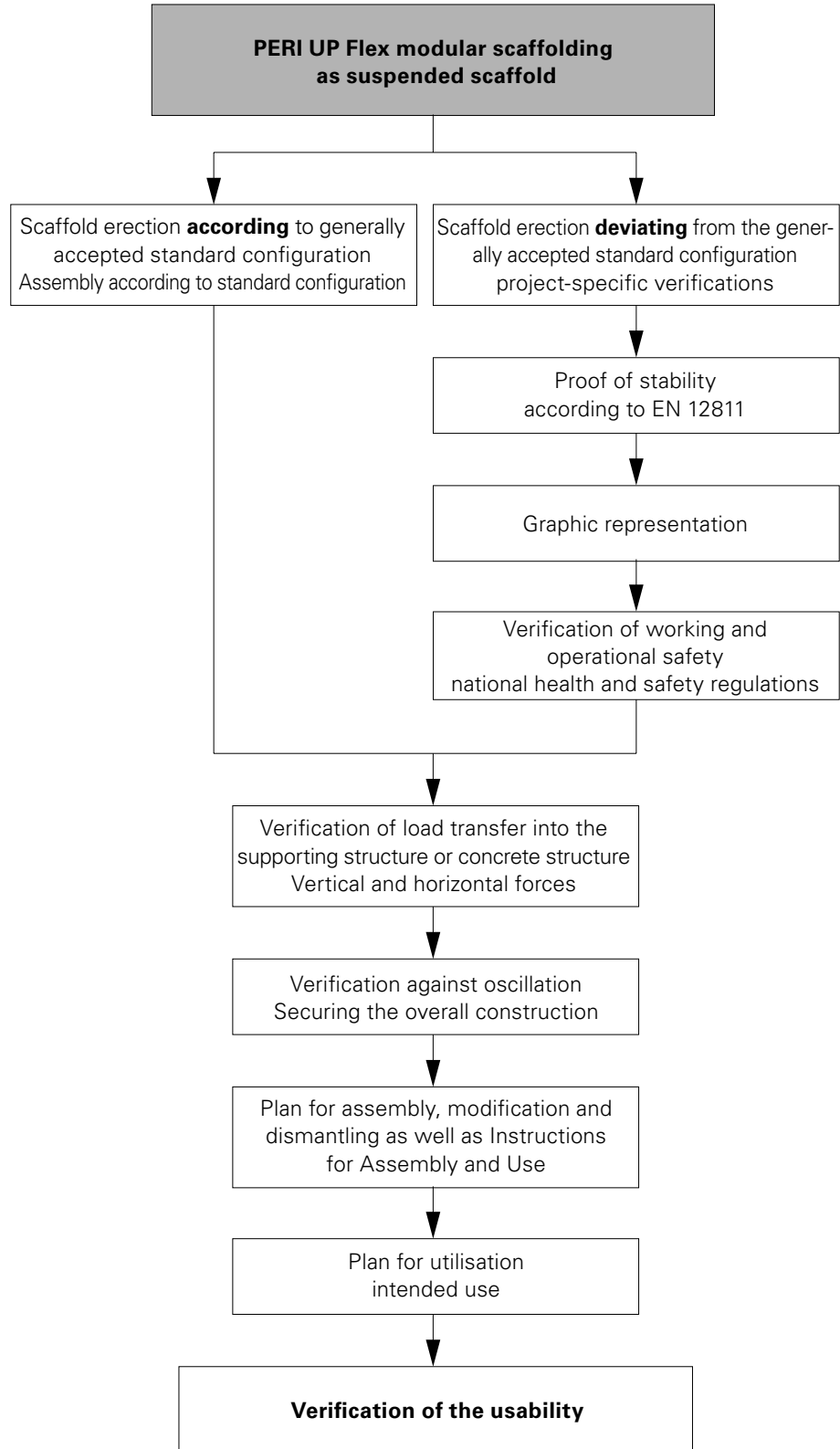


Fig. 01

General information on suspended scaffolds

Load assumptions

Depending on the work to be carried out, different load concepts can be determined for suspended scaffolds as the basis for the proof of stability.

Live loads

For live loads, determination of Load Classes 1 to 6 (LC 1 to 6) according to EN 12811 apply. Any deviations can be, for example, agreed on as follows:

- Work only on the slab: limitation of the uniformly distributed nominal load to an area of 6 m² in the most unfavourable position. The remaining area must be taken into account with at least the loads of Load Class 1. (Fig. 02)
- Work in the immediate area of enclosing walls: limitation of the uniformly distributed nominal load to a circumferential edge strip with a width $b = 1.50$ m. The remaining area must be taken into account with at least the loads of Load Class 1. (Fig. 03)
- Areas for material storage: increase of the uniformly distributed nominal load for material storage on a defined and marked area.
- Sandblasting: project-specific specifications are required regarding the weight of the blasting material together with the weight of the colour particles removed and, if necessary, moisture content along with determining measures for removing the blasting material. Recommendation: use at least LC 4 (3.0 kN m²).

Wind loads

Due to the frequently exposed position of suspended scaffolds, wind loads are to be determined very carefully according to the local conditions and the applicable standards.

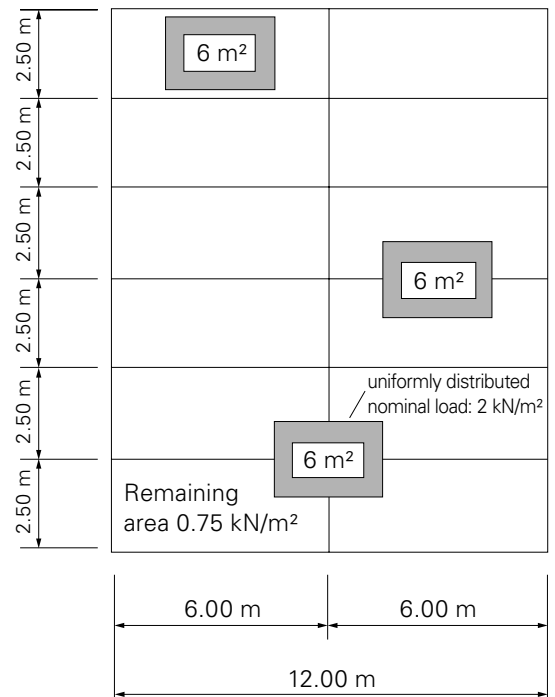


Fig. 02

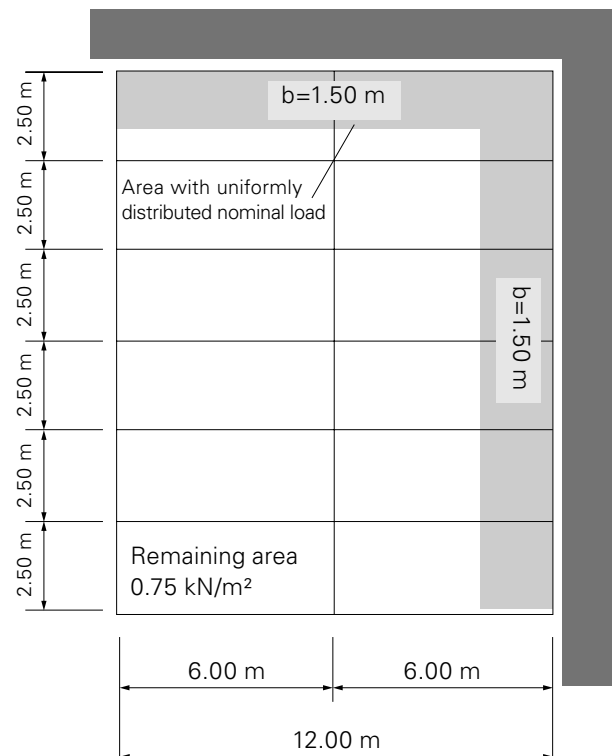


Fig. 03

System-specific

The load-distributing support used, such as planking, must match the respective base. If several layers are required, planks are to be arranged crosswise.

Close access hatches immediately after use.

Couplers with screw closure have to be tightened with 50 Nm. This corresponds to a force of 20 kg using a lever arm length of 25 cm.

Secure wedges using a 500 g hammer.

Anchoring

The anchoring forces and the position of the anchoring are described in the section on bearing forces.

Enclosure of the scaffolding or mounting of additional surfaces which are exposed to the influences of the wind changes the stability and must therefore be checked. If necessary, additional measures must be implemented.

Anchors should be installed progressively along with the erection of the scaffolding.

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

The anchoring and its components must be inspected by a competent person selected by the scaffolding contractor.

Inspecting the anchoring

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 more 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 %).

Storage and transportation

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

Do not drop the components.

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

During the moving procedure

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

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

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

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

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

Inspection, hand-over and utilisation

The erected scaffolding 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 scaffolding has been correctly erected, it can then be handed over to the user.

It is advisable to carry out the hand-over together with the user and, for example, document this in a written report. (Fig. 07)



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

- Put up safety and warning signs at the scaffold access points.
- Hand over a utilisation plan.



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

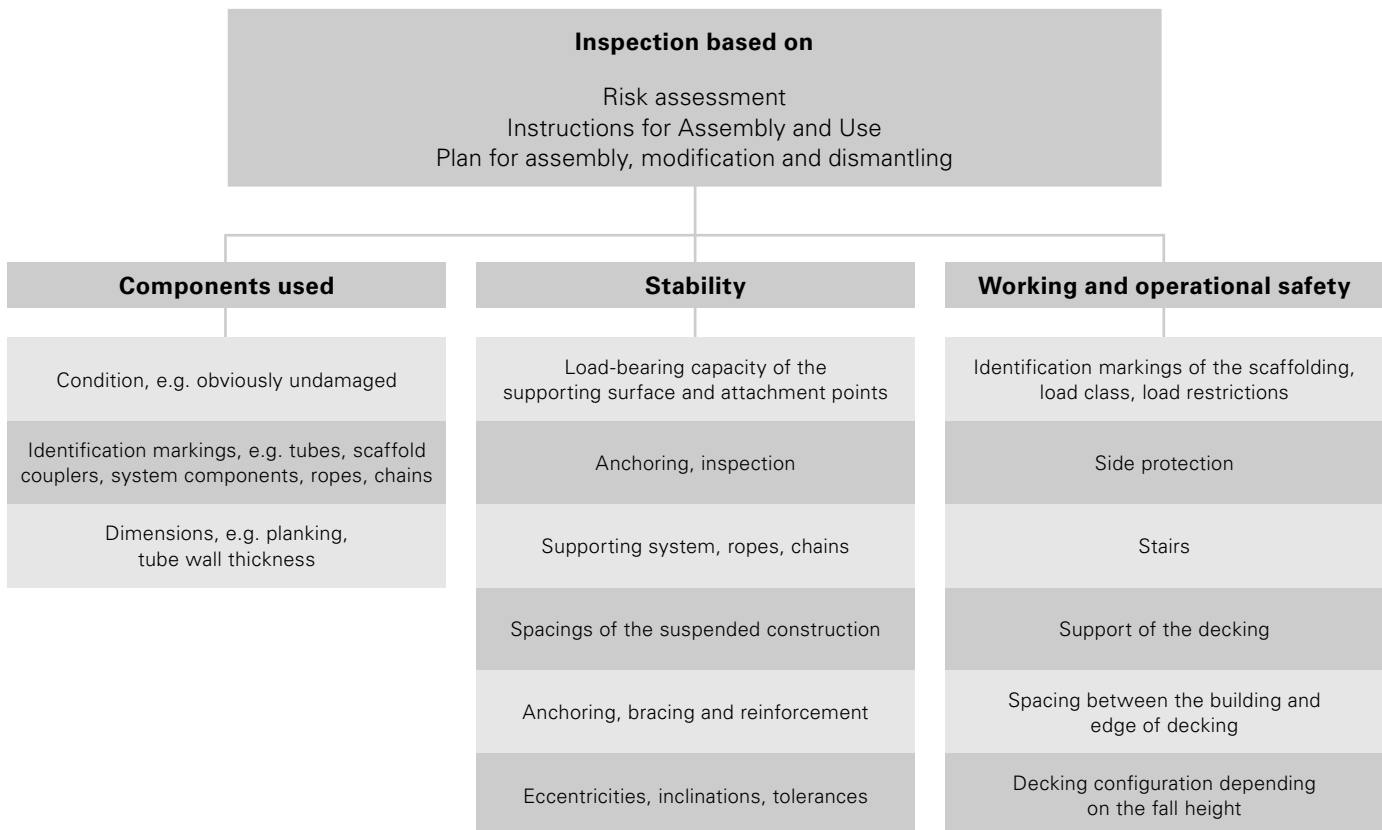


Fig. 07

Source:
Technical Regulations for Scaffolding, FRG 2,
Suspended Scaffold as Facade or Birdcage
Scaffolding, Edition 01.2010,
Federal Guild for Scaffolding Craft.

Attachment points for PPE



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



Illustrations are shown with the attachment points.

Example:

① Attachment point on assembly level 1.

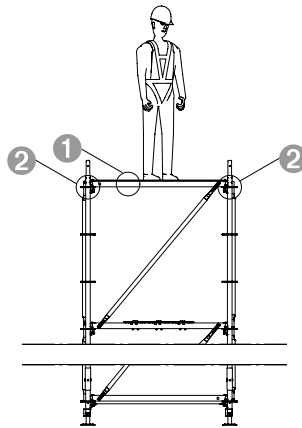


Fig. 08

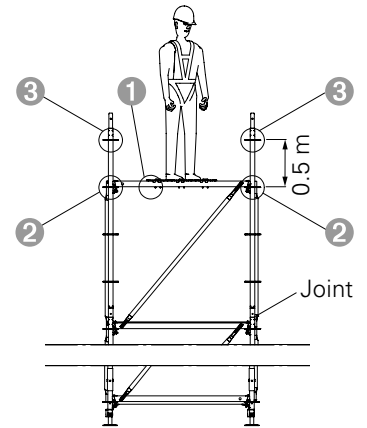


Fig. 09

General information

- The use of personal protective equipment to prevent falling 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 scaffolding contractor.
- Each scaffold assembly is to be secured against tipping by the user.
- The application is valid for assembly, modification and dismantling operations.

Prerequisites

- The scaffold assembly underneath the final assembly level has been fully completed. 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.

Attachment points

Standard ends in the last assembly level (Fig. 08):

- each ledger in the assembly level ①
- each rosette in the assembly level ②

Attachment points

Standard ends 0.5 m above the last assembly level (Fig. 09):

- each ledger in the assembly level ①
- each rosette up to max. 0.5 m above the last assembly level ② ③

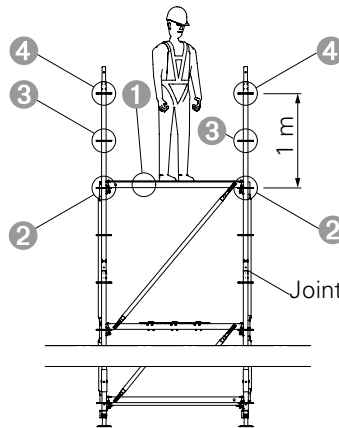


Fig. 10

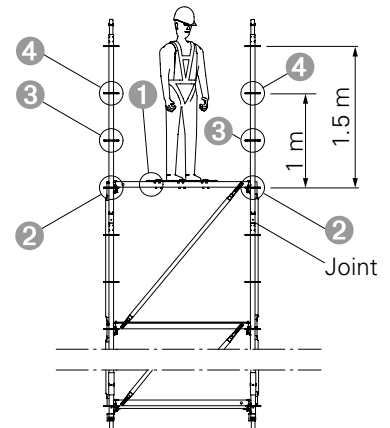


Fig. 11

Attachment points

Standard ends 1.0 m above the last assembly level (Fig. 10):

- each ledger in the assembly level ①
- each rosette up to max. 1.0 m above the last assembly level ② ③ ④

Attachment points

Standard ends 1.5 m above the last assembly level (Fig. 11):

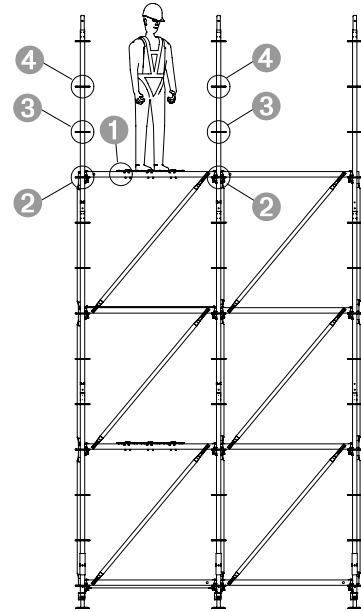
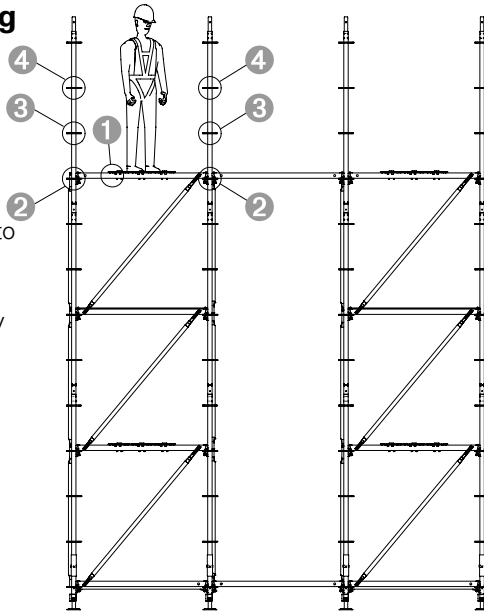
- each ledger in the assembly level ①
- each rosette up to max. 1.0 m above the last assembly level ② ③ ④

Measures to prevent tipping



Risk of tipping!
Proof of stability is required!

- Anchoring of the scaffold assembly to a suitable structure, e.g. building, abutment, columns.
- Connecting the scaffold assembly by means of Ledgers UH; alternatively, with scaffold tubes and couplers. (Fig. 12)
- Connecting the scaffold assembly with other system components to form stable units. (Fig. 13)



Ratio of scaffold height to the smallest erection width: less than 3:1.

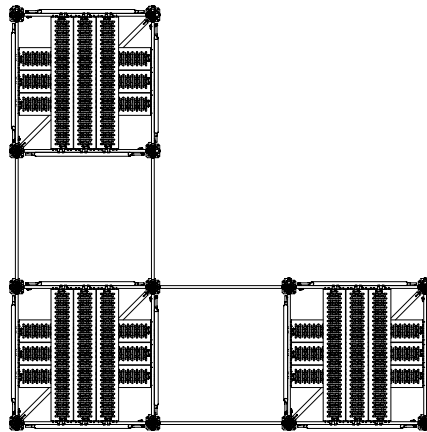


Fig. 12

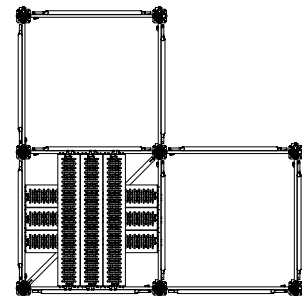


Fig. 13

Select a safe assembly area for erection, e.g. a PERI UP facade scaffold.

In the Instructions for Assembly and Use, a PERI UP facade scaffold with access by means of the PERI UP Flex Stair 75 is shown as an example. (Fig. A1.01)



More information can be found in the Instructions for Assembly and Use for PERI UP Flex Stair 75.

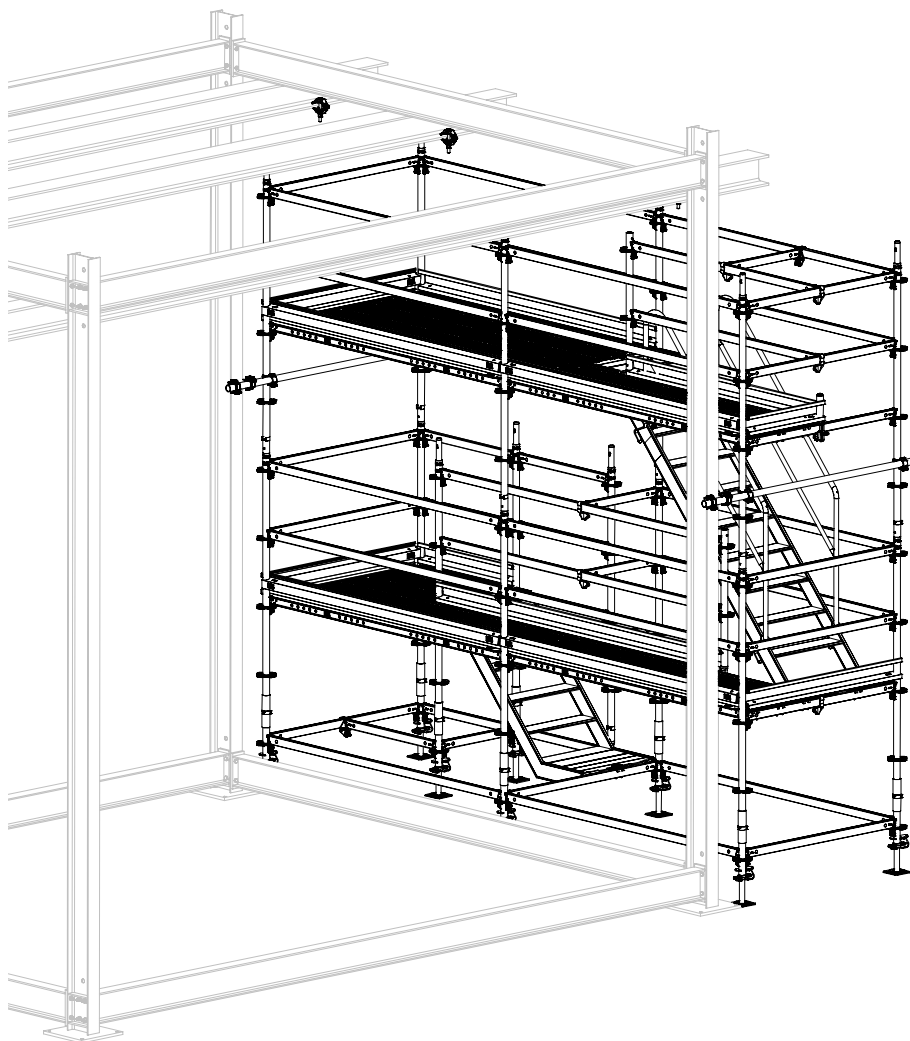


Fig. A1.01

Trolley UFS 20

Connection to an I-shaped steel profile

Components

- 1 Trolley UFS 20
- 1.1 Guide arm
- 1.2 Flanged wheel
- 1.3 Flanged wheel
- 1.4 Movable arm
- 1.5 Standard support
- 1.6 Bolt for the movable arm
- 1.7 Cotter pin
- 1.8 Bolt for standard support
- 2 I-shaped steel girder

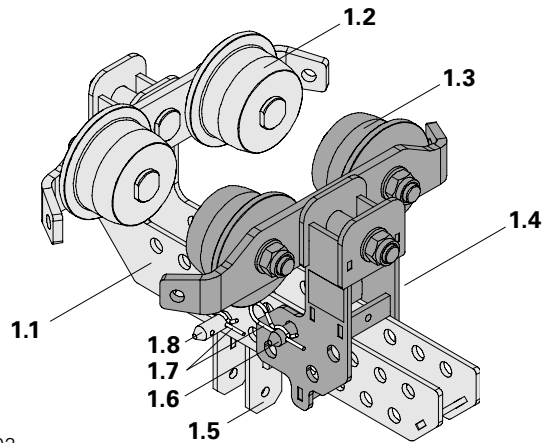


Fig. A1.02

(Fig. A1.02 + A1.03)



The I-shaped steel girder is not a PERI product.

With the Trolley UFS 20 (1), standards can be mounted on the I-shaped steel girders (2), and moved.

The position of the flanged wheels (1.2/1.3) can be adjusted by means of the movable arm (1.4) in order to accommodate different flange widths.

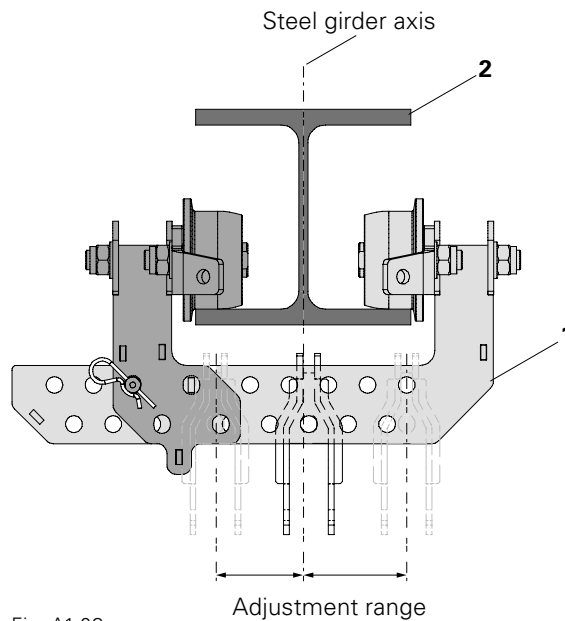


Fig. A1.03

Standard support

The standard support (1.5) allows a standard arrangement independent of the steel girder axis.

Thereby the spacings of the adjacent standards can be adjusted so that, in spite of the actual spacing between the steel girders, an extension of the suspended scaffold using the 25 cm system grid is always possible. Time-consuming adjustments with tubes and couplers are no longer required.

Depending on the flange width and the position of the movable arm, lateral displacements of the standard axis are possible up to 155 mm vis-à-vis the axis of the steel girder.

For utilizing the maximum adjustment possibilities, adjacent trolleys can be oriented to the right and left by means of the movable arm. Thus, adjustment ranges are accumulated.
(Fig. A1.04)

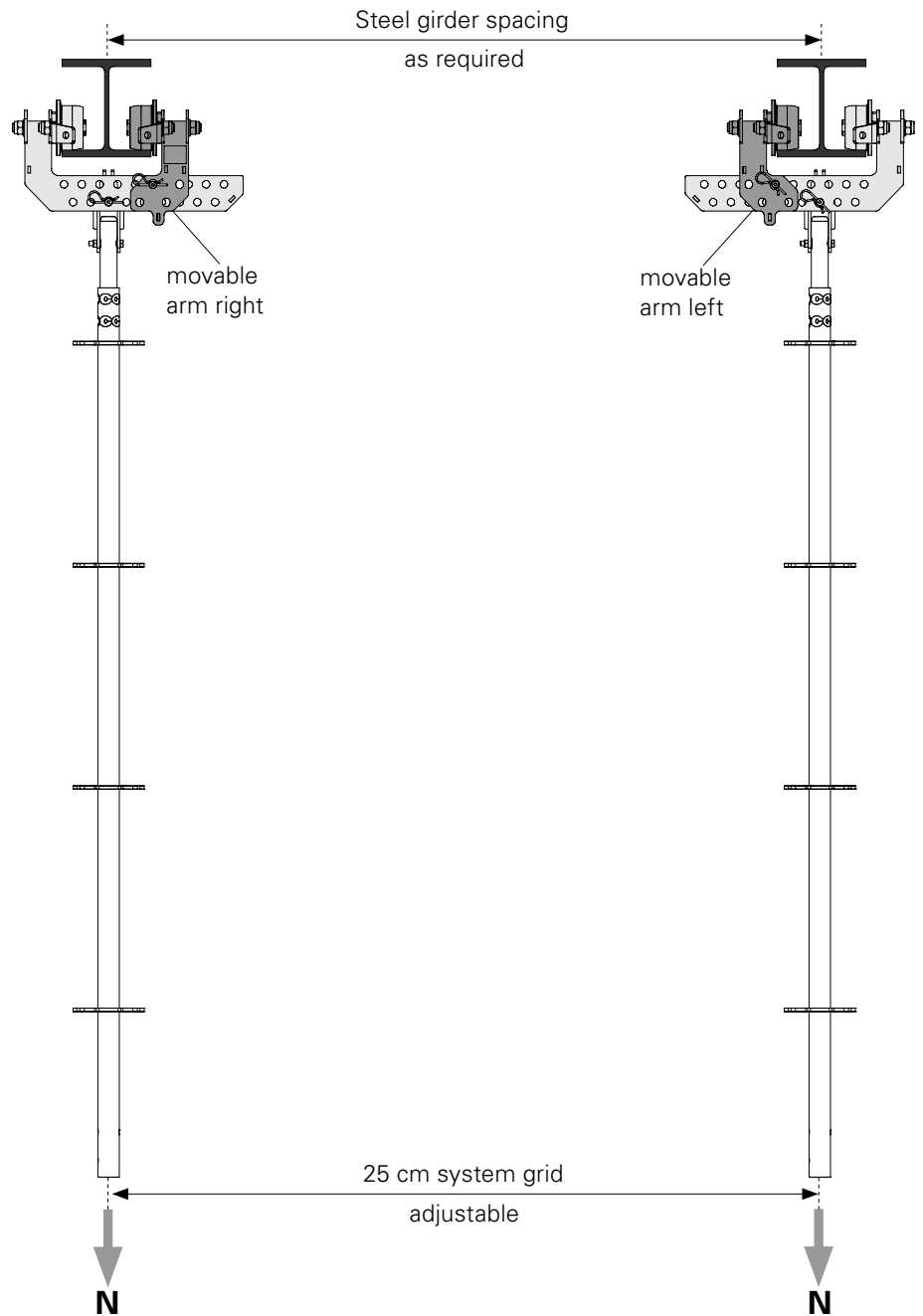


Fig. A1.04

Assembly of Trolley UFS 20

When mounting the Trolley UFS 20, ensure that the standard support (1.5) is secured by means of bolts (1.8) and cotter pins (1.7) in order to prevent any movement. Then remove the bolt (1.6) of the movable arm (1.4) on the ground. Move the moveable arm (1.4) so that the opening between the flanged wheels (1.2/1.3) is large enough to encompass the flange of the steel girder (2). (Fig. A2.01)

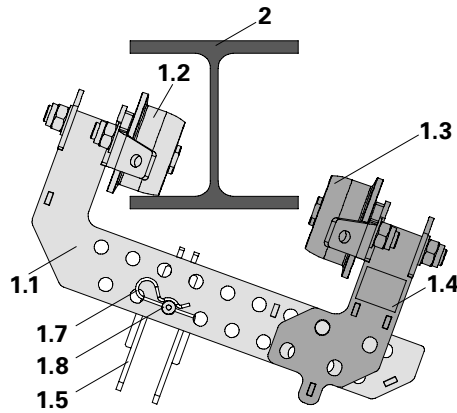


Fig. A2.01

Hold the trolley with both hands ensuring that the movable arm (1.4) is safely controlled and does not slip away from the guide arm (1.1). (Fig. A2.04 + A2.05)

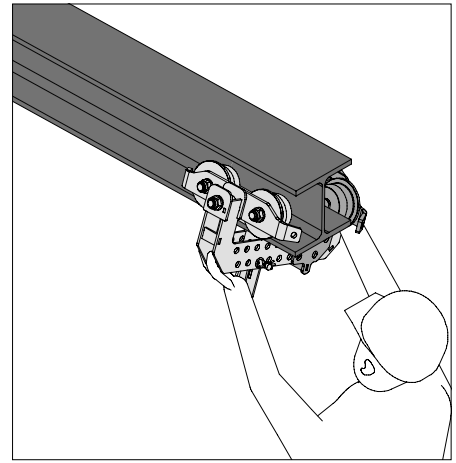


Fig. A2.04

Firstly, the flanged wheels (1.2) on the guide arm (1.1) are positioned on the flange of the steel girder (2). (Fig. A2.02)

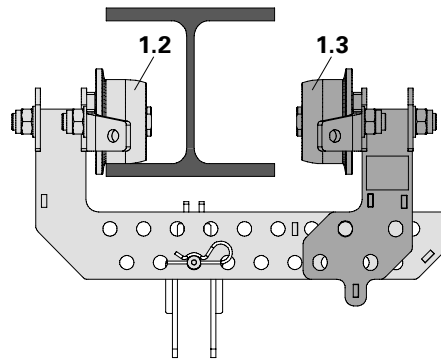


Fig. A2.02

Then place the flanged wheels (1.3) on the other side of the flange and push the rims of all wheels as close as possible to the flange. Secure the movable arm (1.4) with bolts (1.6) and cotter pins (1.7) using the next possible locking position. (Fig. A2.03)

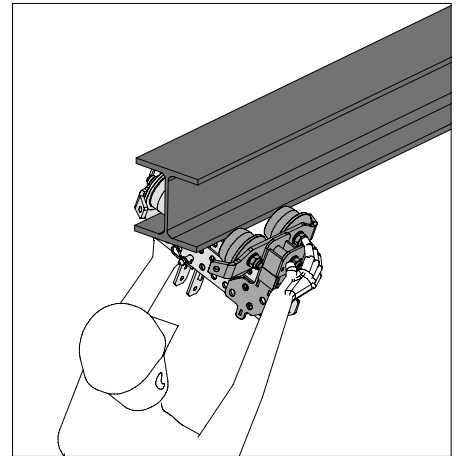


Fig. A2.05



Immediately secure all trolleys, e.g. through main beam clamps, to prevent any rolling away! For steel girders inclined in a longitudinal direction, precautionary measures to prevent rolling away must be in place before the trolleys are installed!



The flanged wheels must lie as close as possible to the flange; to achieve this, use the closest possible locking position. The additional loads from eccentricities are thus kept as small as possible.

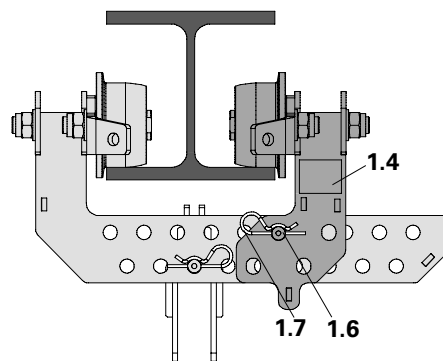


Fig. A2.03

A2 Assembly of Trolley UFS 20

Components

- 1 Trolley UFS 20
- 2 I-shaped steel girder
- 14 Main Beam Clamp

Assembly

1. Mount Main Beam Clamp (14).
2. Mount Trolley (1) on steel girder (2).
3. Secure movable arm (1.3) with bolt (1.5) and cotter pin (1.6) to prevent any movement.
4. Secure the trolley on both sides against rolling away, e.g. by means of main beam clamps.
5. Repeat assembly steps 1 to 4 until one trolley is mounted and secured on every steel girder.
→ One trolley is mounted and secured on each steel girder. (Fig. A2.06)

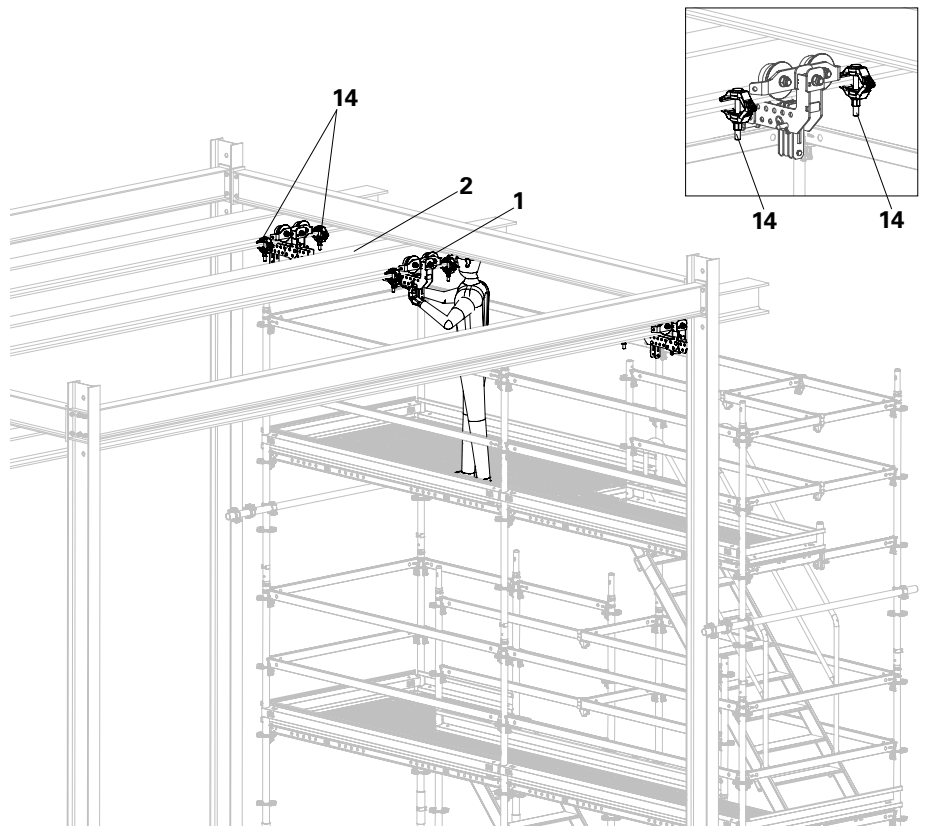


Fig. A2.06

A3 Assembly of Standard UVR

Connect the embossed spigot of the Standard UVR (3.1) with Bolts M10x70, Grade 8.8 (13) to the standard support (1.4) of the trolley. (Fig. A3.01)

Alternatively, Top Standards UVH can also be used with Connectors ULT and Bolts M10x70, Grade 8.8.



Standards UVR and Top Standards UVH must be connected to each other as well as to the standard support using Bolts M10x70 mm, Grade 8.8.



Permanent securing by means of lock nuts or self-locking nuts is recommended for safety reasons.

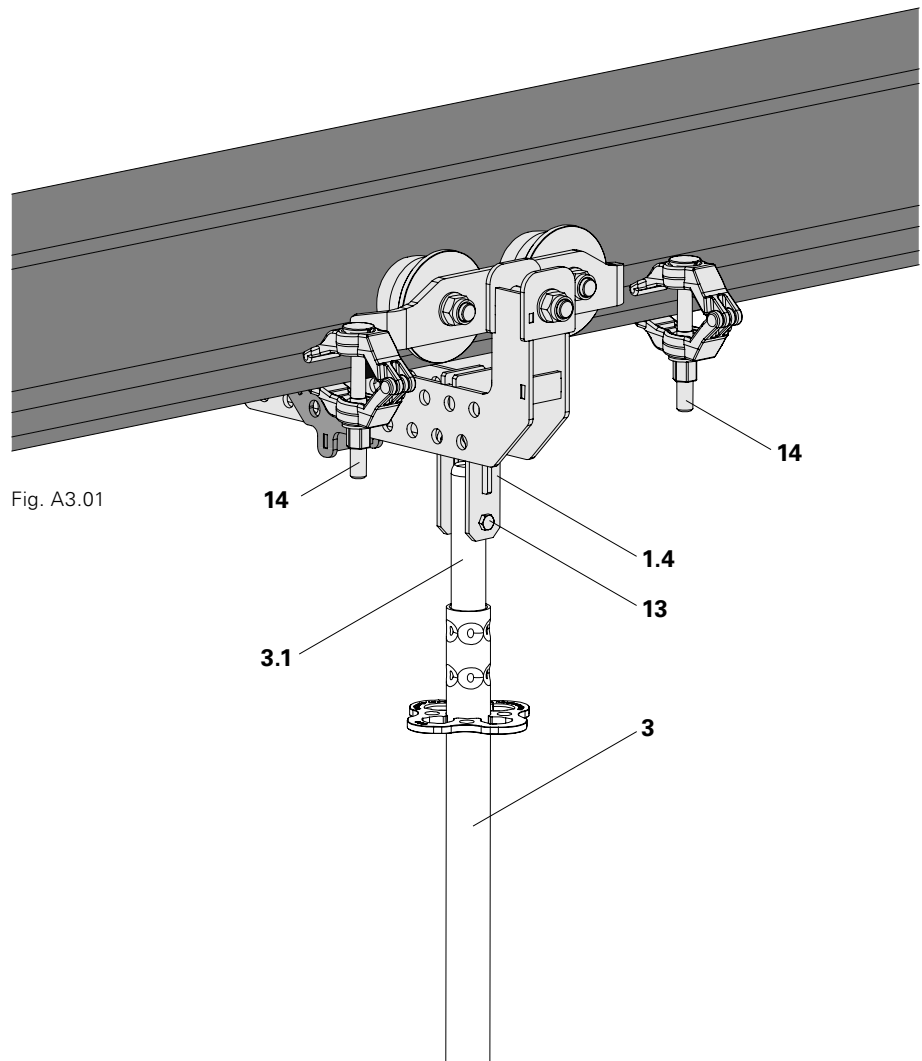


Fig. A3.01

Components

- 1 Trolley UFS 20
- 1.4 Standard support
- 3 Standard UVR
- 3.1 Spigot for Standard UVR
- 13 Bolt M10x70, Grade 8.8 with Nut
- 14 Main Beam Clamp

Assembly

1. Mount Standard UVR (3) and secure with Hex. Bolts M10x70-8.8 (4).
2. Adjust the ledger spacings roughly to accommodate the grid dimension.
→ The Standards UVR are tightly connected with the trolley and the standard spacings are roughly adjusted. (Fig. A3.02)

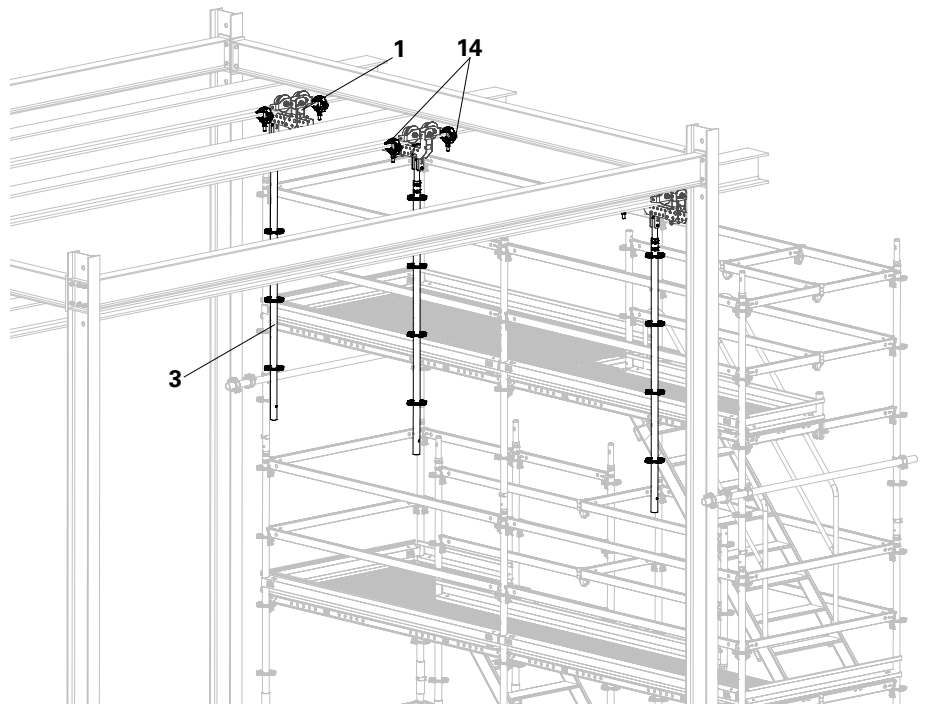


Fig. A3.02

Components

- 1 Trolley UFS 20
- 1.4 Standard Support
- 4 Heavy-Duty Ledger UHV
- 5 Ledger UH

Assembly

1. Slide the main beam clamps behind the frame one after the other in longitudinal direction until another frame can be mounted.
2. Depending on the load, install Ledger UH (5) or Heavy-Duty Ledger UHV (4) as support for the decking.
3. Install Ledgers UH (5) as guardrails. (Fig. A4.01 + A4.02 + A4.02a)
4. Securely fix wedges of all ledgers using a 500 g hammer. (Fig. A4.03)
5. Secure the standard supports by means of bolts and cotter pins.
6. Push the first frame in the longitudinal direction until an additional frame can be mounted. (Fig. A4.04)

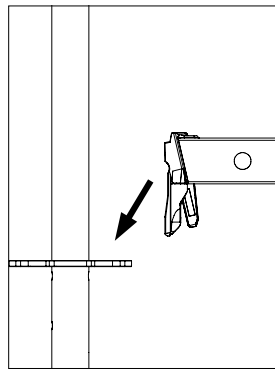


Fig. A4.01

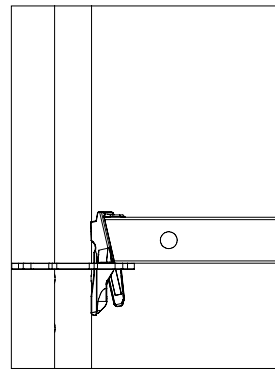


Fig. A4.02

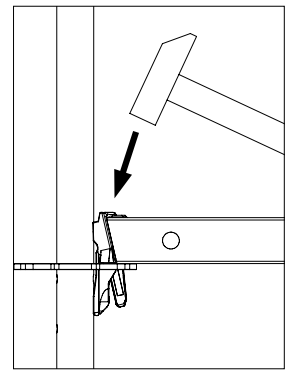


Fig. A4.03

Top view:

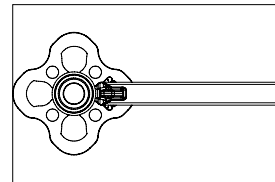


Fig. A4.02a

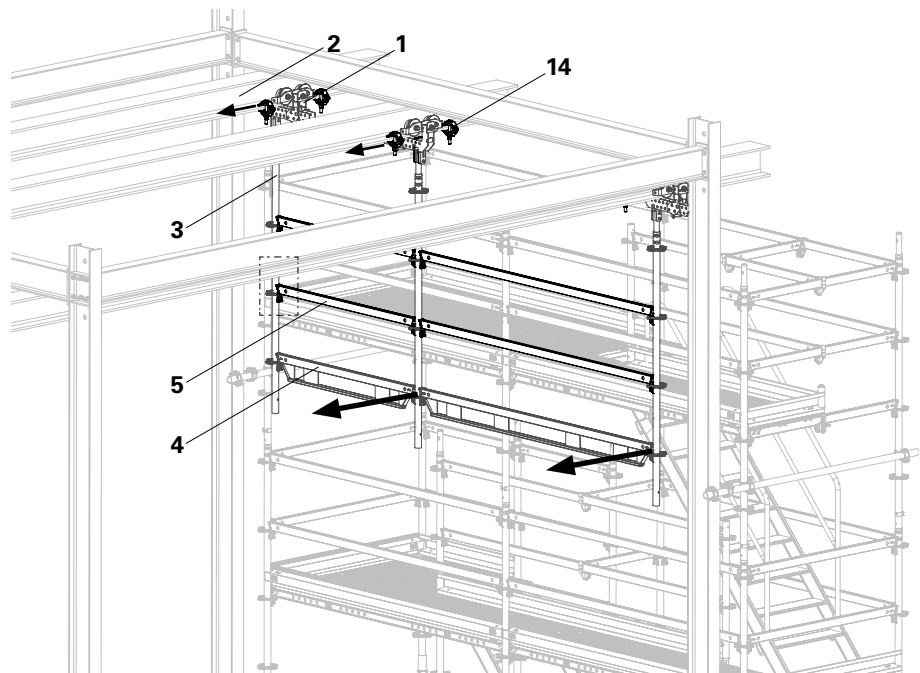


Fig. A4.04

A5 Configuration of the second frame

Components

- 1 Trolley UFS 20
- 3 Standard UVR
- 4 Heavy-Duty Ledger UHV
- 5 Ledger UH
- 13 Bolt M10x70, Grade 8.8 with Nut

Assembly

1. Repeat the assembly steps for the Trolley UFS
2. Repeat the assembly steps for the Standard UVR
3. Repeat the steps for the configuration of the first frame



Install ledgers as guardrails only at the two ends of the scaffold.
→ The second frame is now assembled.
(Fig. A5.01)



With this assembly version, no guardrails are necessary as an additional bay is subsequently mounted.

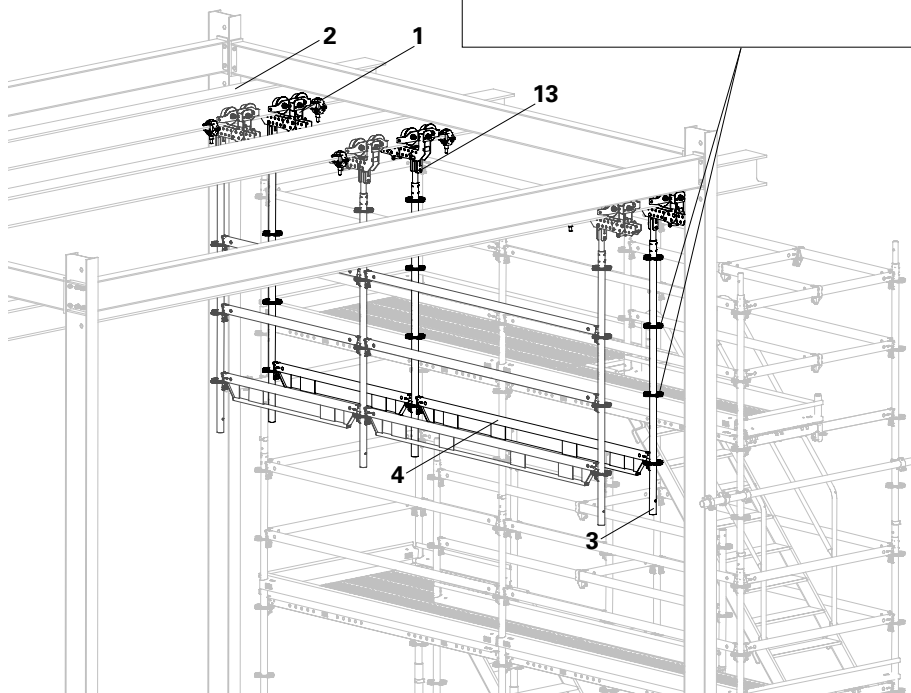


Fig. A5.01

Connection of the first frame with the second frame.

Components

- 5 Ledger UH

Assembly

1. Connect the first and second frame with a short ledger (5).
2. Move the main beam clamps (14) one after the other. (Fig. A6.01 + A6.02)
3. Dismantle the short ledger (5) whilst simultaneously firmly holding the first frame.
4. Attach Ledger UH (5) to the rosette of a standard of the first frame. (Fig. A6.03 + A6.04)
5. Push the first frame carefully in the longitudinal direction with the help of the ledger until the rear end of the ledger can be attached.
6. Install Ledger UH (5).
→ The first and second frame are connected by means of a Ledger UH.

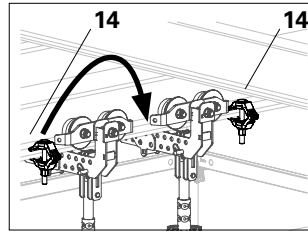


Fig. A6.01

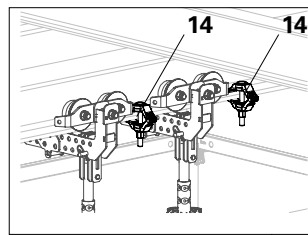


Fig. A6.02

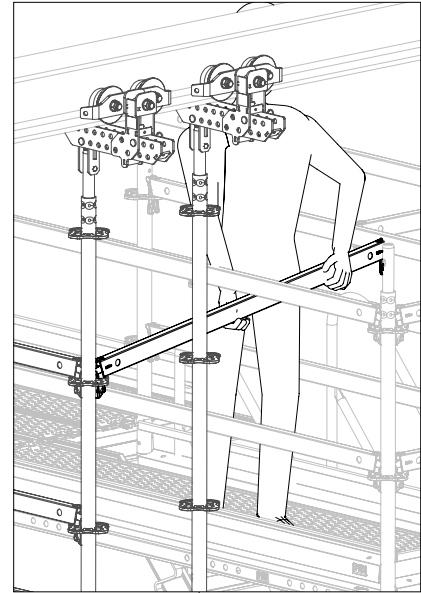


Fig. A6.03

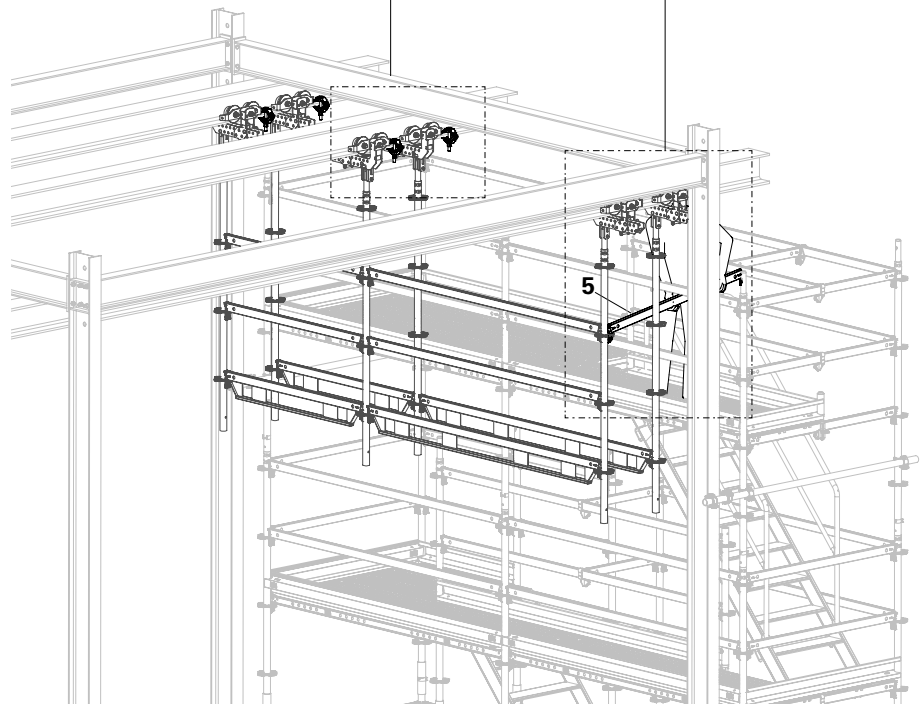


Fig. A6.04



The wedges of the ledgers fall automatically into the rosettes and thereby hold the component in a secure position.

Install all additional longitudinal ledgers for connecting the first and second frame.

Components

5 Ledger UH

Assembly

1. Mount the next Ledger UH (5) between the standards of the first and second frame.
2. Repeat assembly step 1 until all other longitudinal ledgers have been installed.
3. Securely fix all wedges which are attached to the second Standard UVR with a 500 g hammer. (Fig. A7.01)
→ The first frame and second frame are connected by means of several Ledgers UH. (Fig. A7.02)



If ledgers on the decking level serve as a support for decks, then the permissible load must be checked and, if necessary, Heavy-Duty Ledgers UHV must be used.

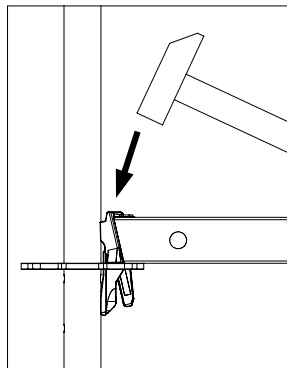


Fig. A7.01

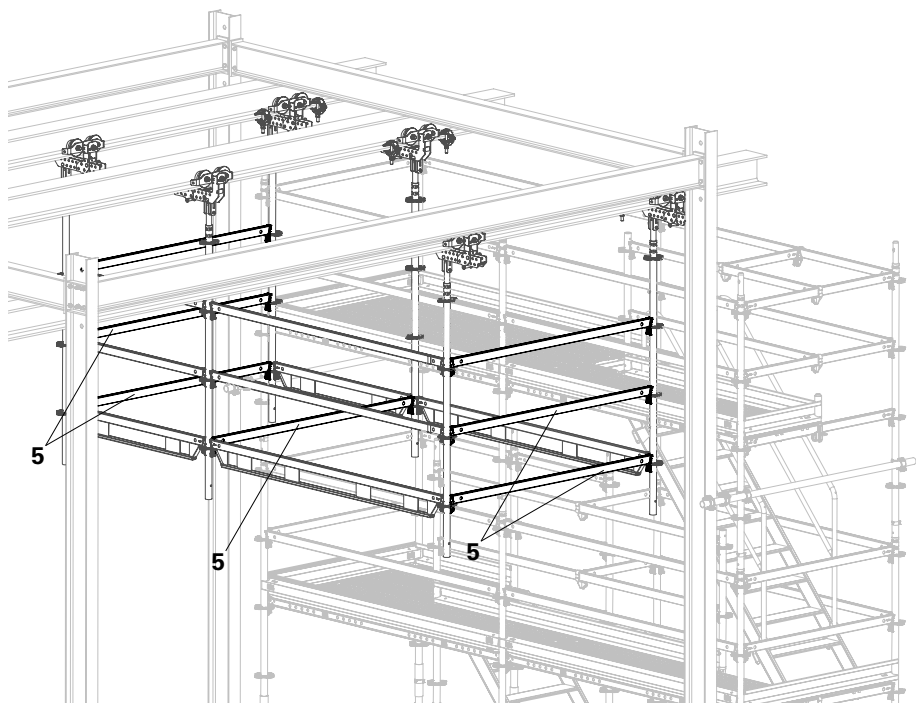


Fig. A7.02

Bracing of the suspended scaffold

Components

- 6** Horizontal Brace
- 6.1** Nose
- 6.2** Slider
- 6.3** Securing Pin

Install the braces from below so that the decking can be mounted from above.

Assembly

1. Attach the nose (6.1) of the horizontal brace (6) from below into the rosette of the first frame. (Fig. A8.01)
2. Turn the end of the horizontal brace (6) upwards until the hook can be inserted into the rosette of the second frame. (Fig. A8.02 + A8.03)
3. Push the slider (6.2) of the horizontal brace forwards. (Fig. A8.04)



If the securing pin falls downwards, the horizontal brace has been correctly installed and secured. (Fig. A8.05 + A8.05a)
 If the securing pin has not automatically fallen downwards, it must be pushed downwards by hand.



Has the securing pin dropped down into the elongated hole? (Fig. A8.05 + A8.05a)

4. Repeat assembly steps 1 to 3 until all other horizontal braces have been installed.
 → All horizontal braces are now installed and secured. (Fig. A8.06)

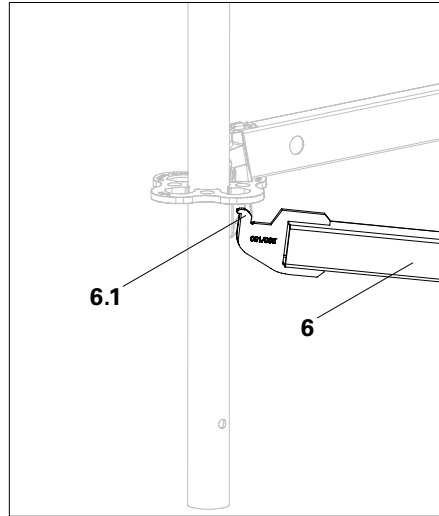


Fig. A8.01

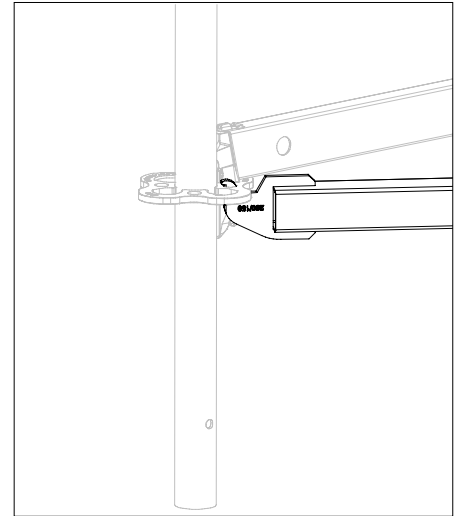


Fig. A8.02

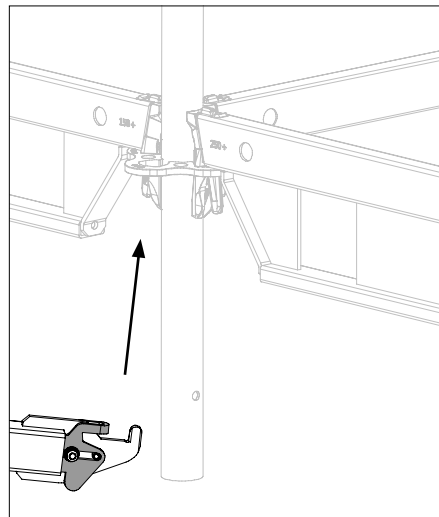


Fig. A8.03

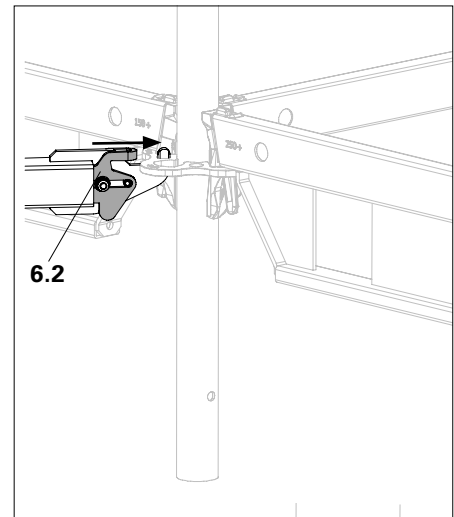


Fig. A8.04

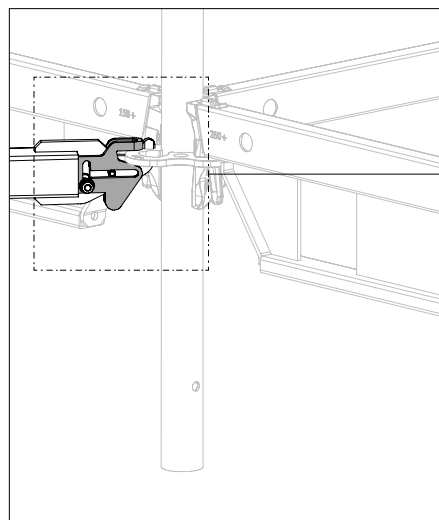


Fig. A8.05

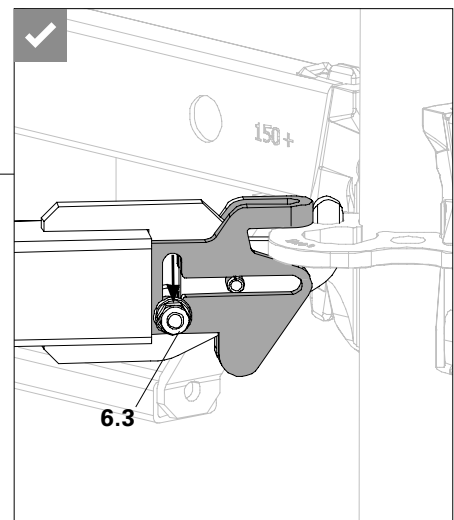


Fig. A8.05a

A8 Assembly of the horizontal bracing

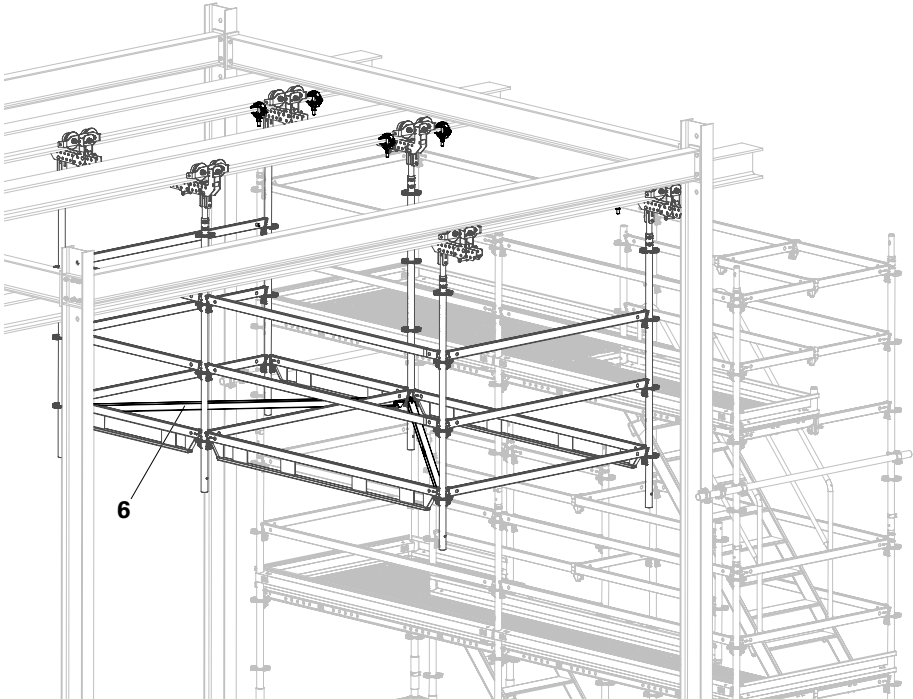


Fig. A8.06



- Insert decking in a longitudinal direction. Accessing the suspended scaffold is not necessary.
- Installation of the first deck begins at the system axis of the ledgers or standards. (Fig. A9.01 + A9.02)

Components

7 Deck UDG

Assembly

1. Install the first Deck UDG (7) with the head in the Ledger UH of the first frame. (Fig. A9.03)
2. Insert and engage the rear end of the first deck into the Ledger UH of the second frame. (Fig. A9.04)



Is the clamp for protection against lifting flush with the decking?
(Fig. A9.05 + A9.05a)

3. Repeat assembly steps 1 and 2 until all additional decks have been installed.
→ The bay is now completely covered with decking. (Fig. A9.06)

Side view:

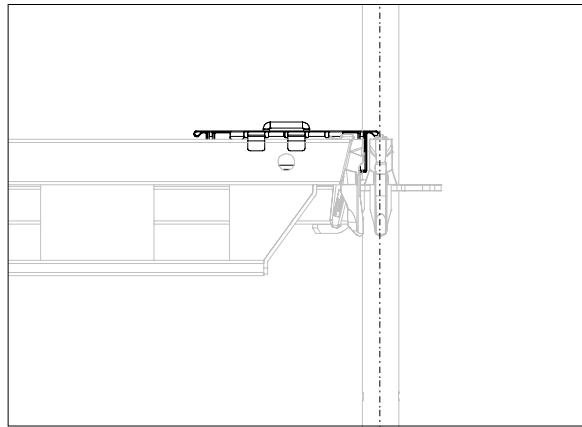


Fig. A9.01

Top view:

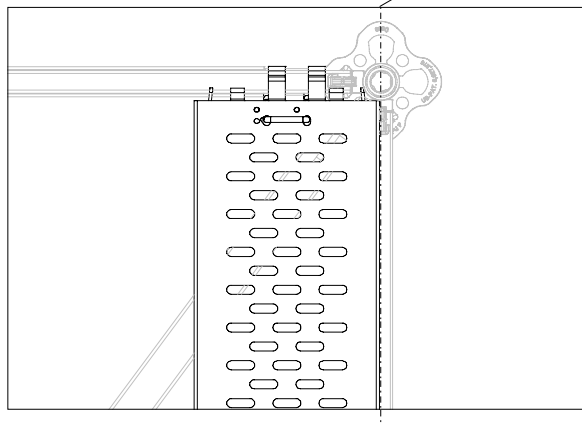


Fig. A9.02

System axis

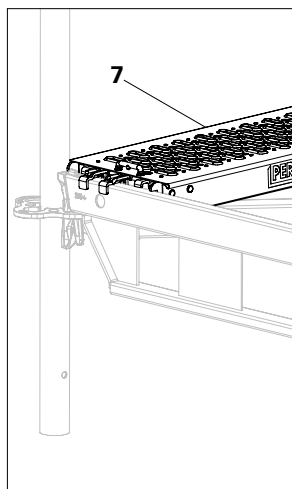


Fig. A9.03

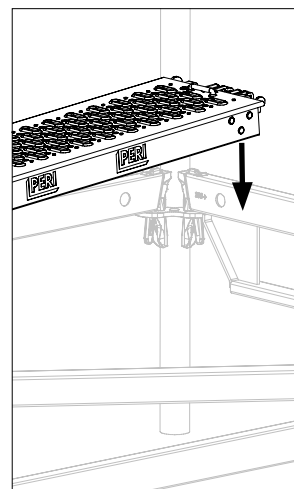


Fig. A9.04

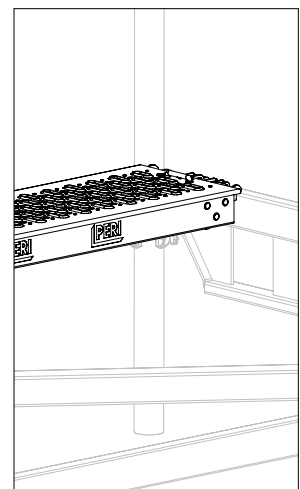


Fig. A9.05

A9 Assembly of Deck UDG



If the clamp for protection against lifting protrudes, the deck is not secured.
(Fig. A9.05b)
To secure the deck, press the clamp downwards by hand until the clamp closes flush with the deck.
(Fig. A9.05a)

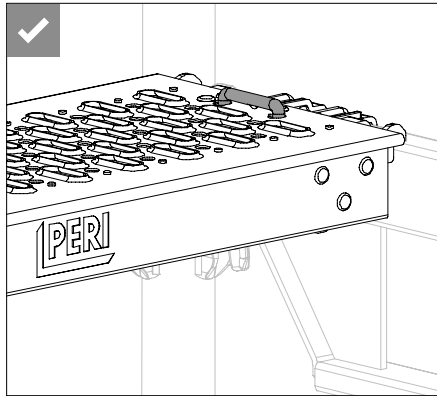


Fig. A9.05a

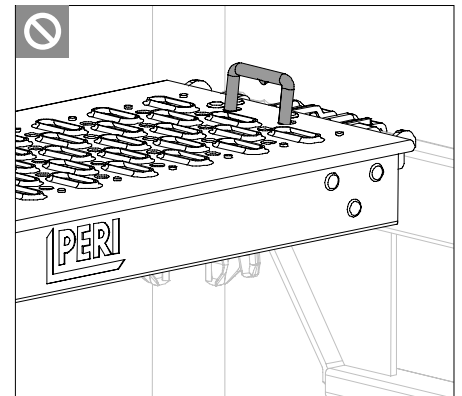


Fig. A9.05b

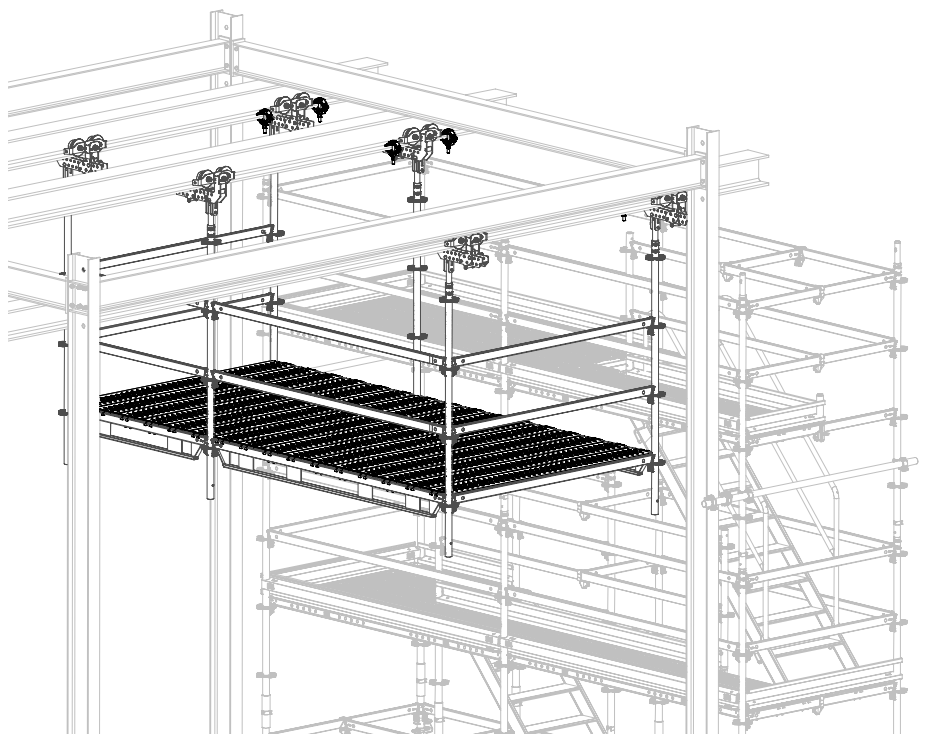


Fig. A9.06

For assembling additional bays, follow the assembly instructions described so far step by step.

Assembly

1. Repeat the assembly steps for the Trolley UFS.
2. Repeat the assembly steps for the Standard UVR.
3. Repeat the assembly steps for the configuration of the second frame.
4. Repeat the assembly steps for the assembly of the first longitudinal ledger.
5. Repeat the assembly steps for the assembly of additional longitudinal ledgers.
6. Repeat the assembly steps for the assembly of the horizontal bracing.
7. Repeat the assembly steps for the assembly of the Deck UDG.
→ An additional bay is now mounted.
(Fig. A10.02)



With this assembly version, no guard-rails are necessary in one bay which adjoins the erection scaffold. This bay is used in the following working steps as access to the suspended scaffold.



When first entering the platform, all wedges must be immediately checked and, if necessary, secured with a 500 g hammer.
(Fig. A11.01)

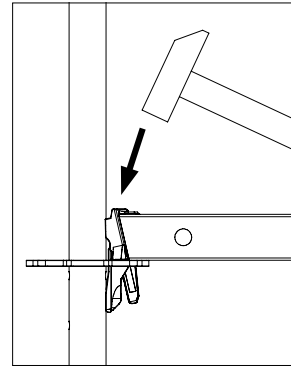


Fig. A10.01

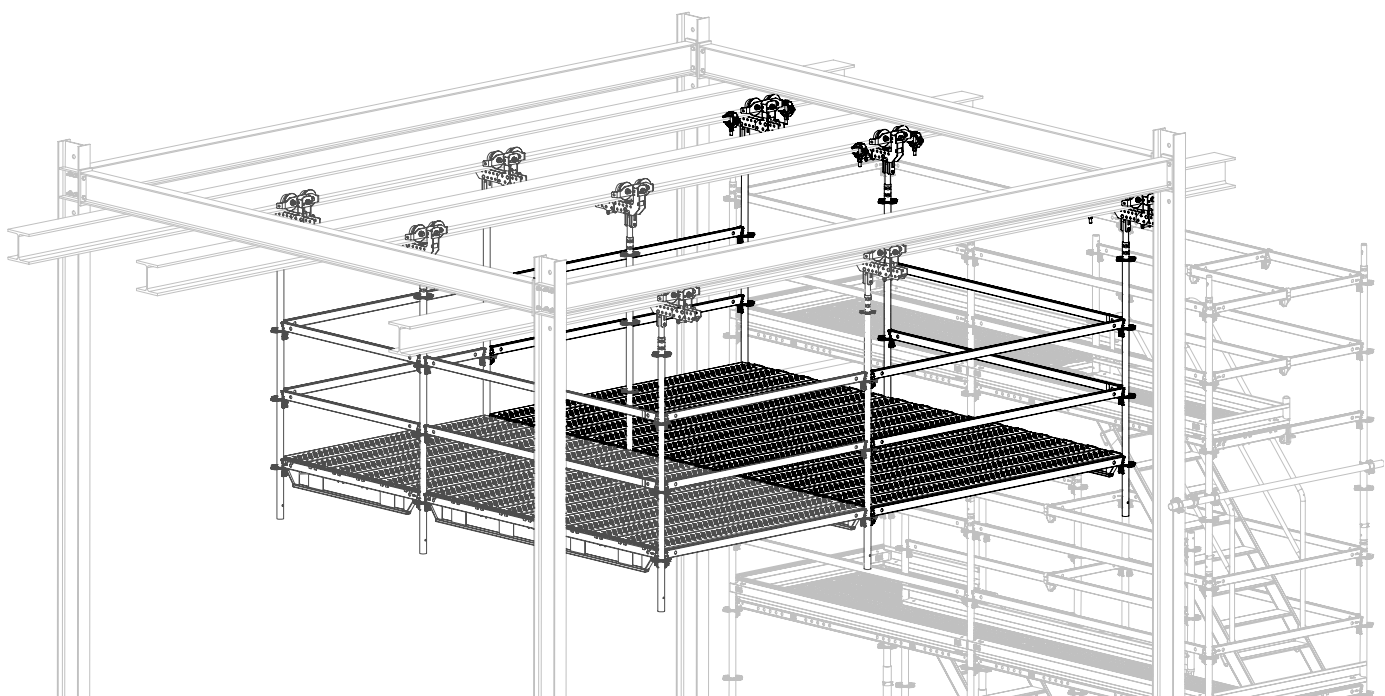


Fig. A10.02

For bracing within the suspended scaffold, install Ledger Braces UBL (8) according to the implementation plan.

Components

- 8** Ledger Brace UBL
- 8.1** Finger
- 8.2** Gravity Pin

Assembly

1. Insert finger (8.1) of the Ledger Brace UBL (8) into the bottom Ledger UH. (Fig. A11.01a)
2. Pivot the gravity pin (8.2) and insert into the hole of the top Ledger UH. (Fig. A11.01b)
3. Turn gravity pin (8.2) to secure. (Fig. A11.01c)
4. Repeat assembly steps 1 to 3 until all other ledger braces have been installed.
→ The ledger braces are now correctly installed and secured. (Fig. A11.01)

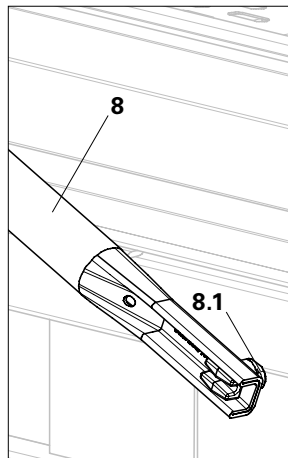


Fig. A11.01a

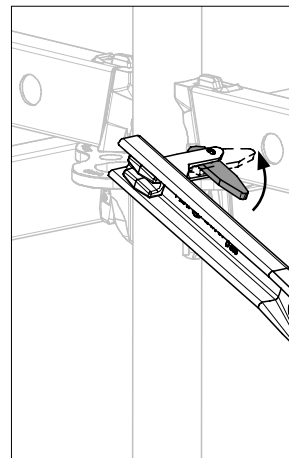


Fig. A11.01b

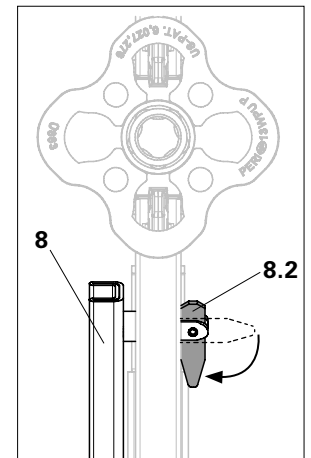


Fig. A11.01c

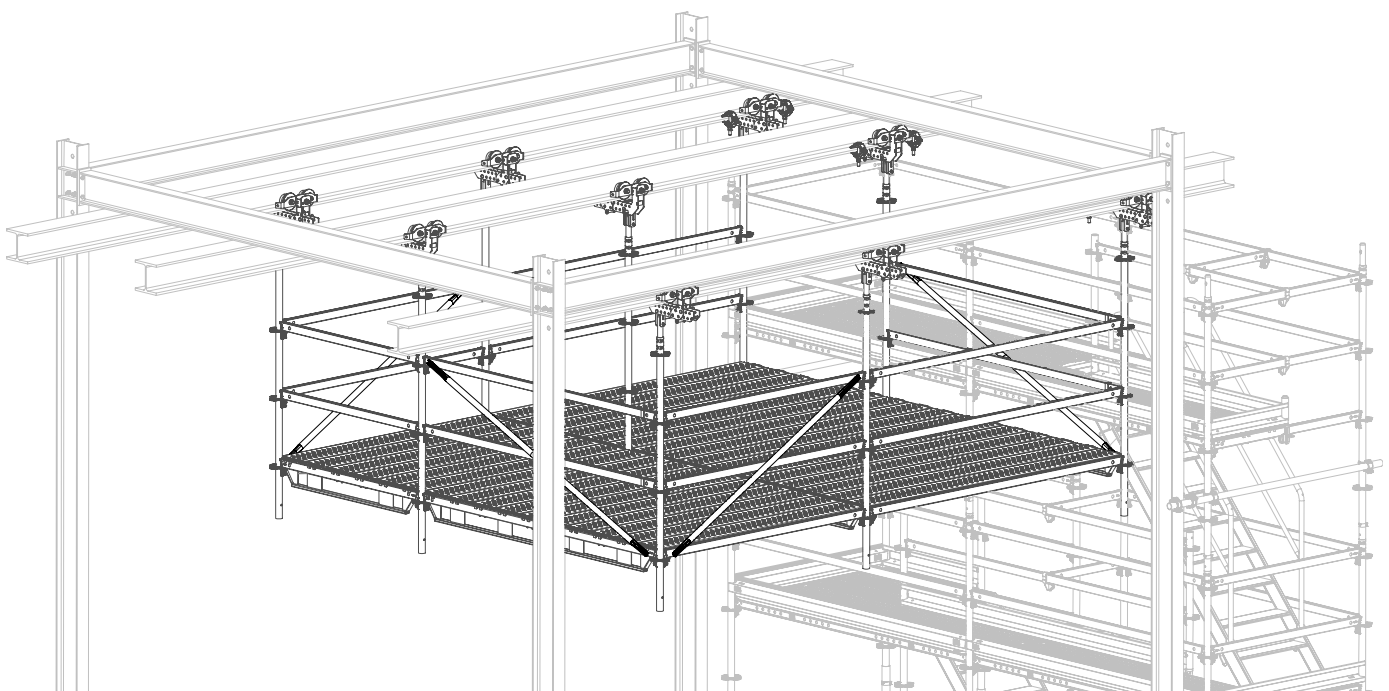


Fig. A11.01

Components

- 3** Standard UVR
- 9** Toeboard UPY
- 9.1** Recess
- 9.2** Elongated hole
- 9.3** Semi-circle
- 9.4** Drilled hole



- When inserting the Toeboard UPY, ensure that the PERI logo is not upside down. (Fig. A12.01)
- Take into consideration the different ends of the Toeboard UPY.
 - Side with recess (9.1) and elongated hole (9.2). (Fig. A12.01a)
 - Side with semi-circle (9.3) and drilled hole (9.4). (Fig. A12.01b)

Assembly of the straight side

Toeboard UPY:

1. Place recess (9.1) obliquely on the Standard UVR (3). (Fig. A12.02a)
2. Pivot in the direction of the second Standard UVR (3). (Fig. A12.02a)
3. Semi-circle (9.3) must be positioned at the level of the Standard UVR, then lower. (Fig. A12.02c)
 - Toeboard UPY is now positioned.



When installing the Toeboard UPY at the corner, ensure that the elongated holes (9.2) or drilled holes (9.4) are always aligned with each other. (Fig. A12.03a/A12.03b)

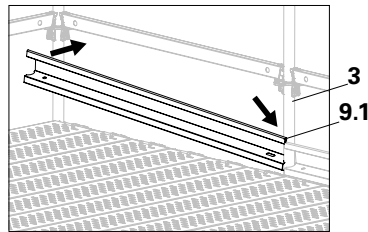
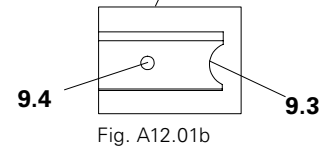
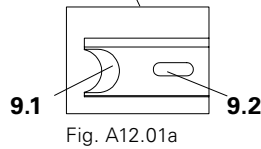
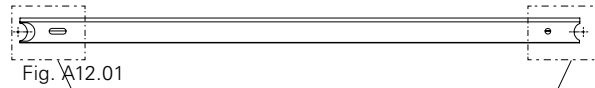
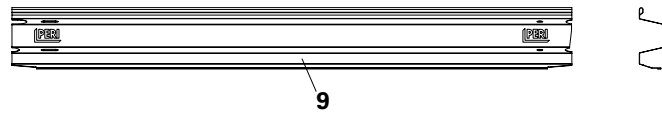


Fig. A12.02a

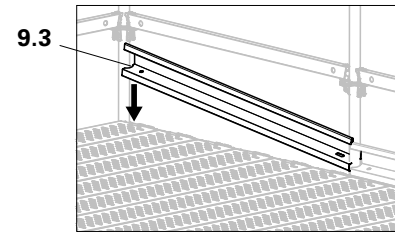


Fig. A12.02b

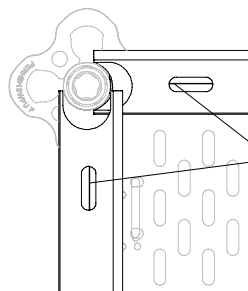


Fig. A12.03a

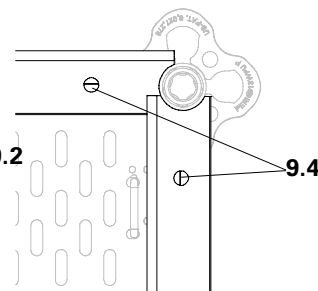


Fig. A12.03b

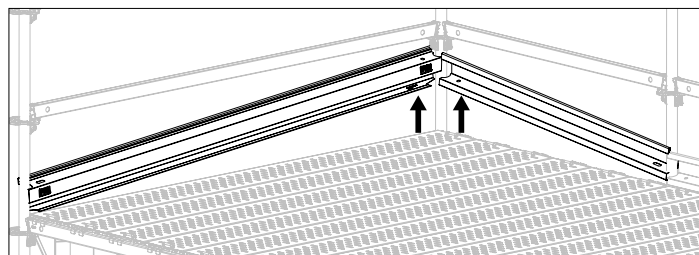


Fig. A12.04a

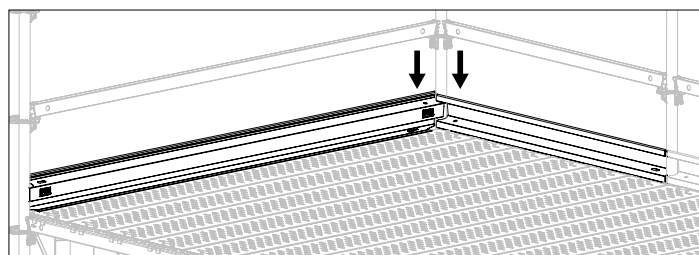


Fig. A12.04b

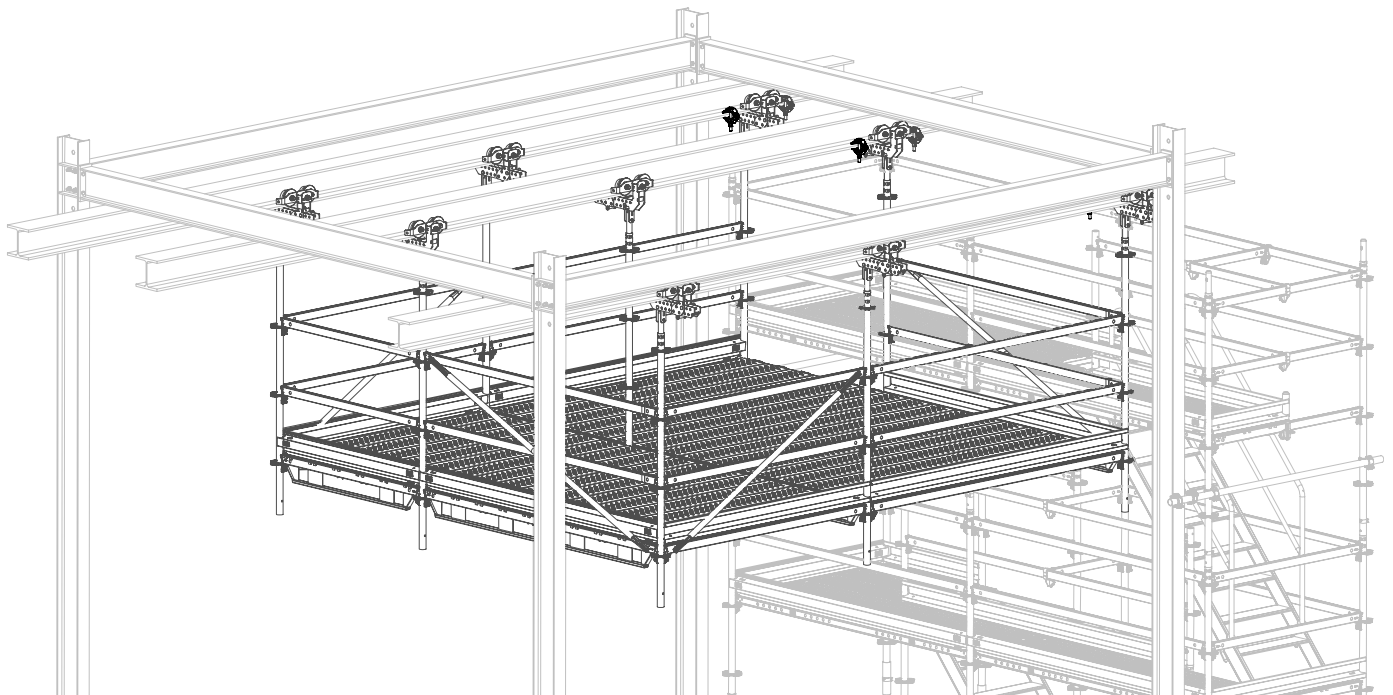


Fig. A12.05

Corner assembly

Toeboard UPY:

1. Place recess (9.1) obliquely on the Standard UVR (3). (Fig. A12.02a)
2. Pivot in the direction of the second Standard UVR (3). (Fig. A12.02b)
3. Semi-circle (9.3) must be positioned at the level of the Standard UVR.
4. Lift both Toeboards UPY. (Fig. A12.04a)
5. Lower both Toeboards UPY simultaneously. (Fig. A12.04b)
→ Toeboards UPY are now positioned. (Fig. A12.05)

A13 Moving the Main Beam Clamp

In order to secure the suspension scaffold against rolling away, the main beam clamps mounted behind the last frame must be moved one after the other.
(Fig. A13.01)

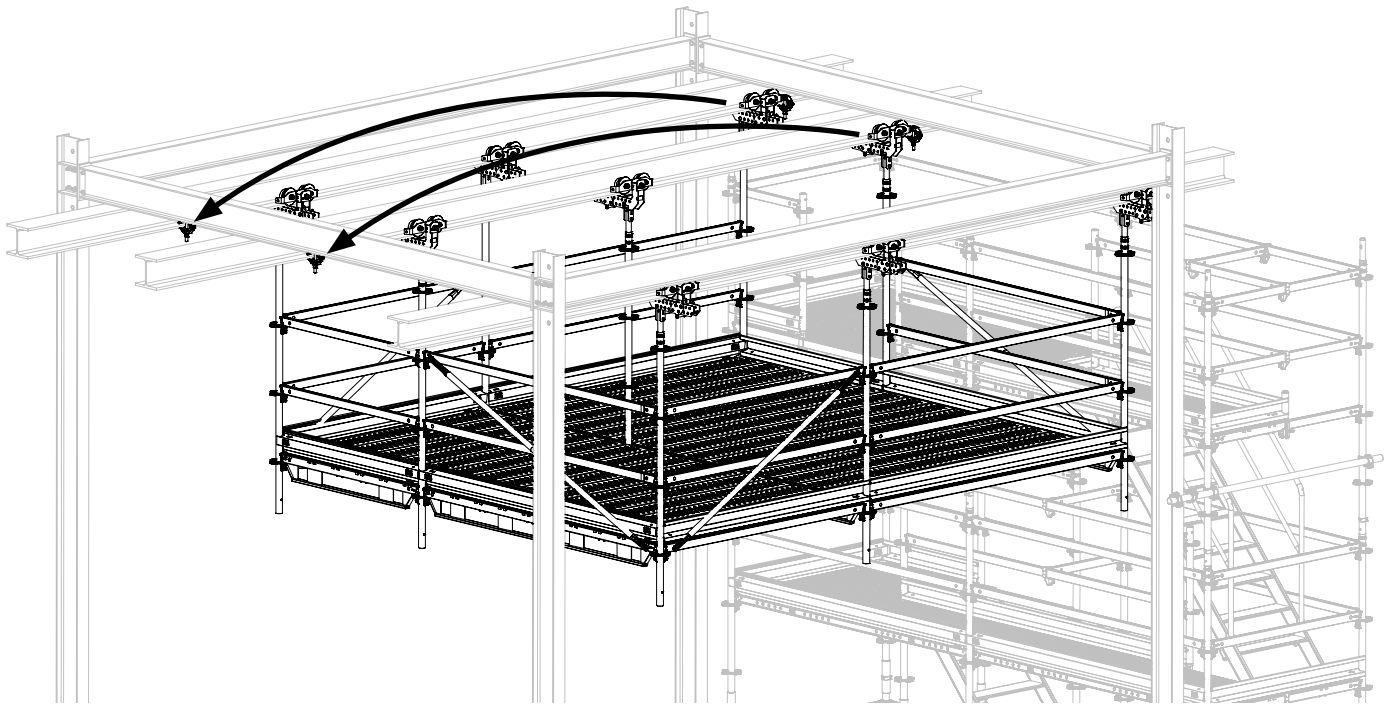


Fig. A13.01

Bracing is used to transfer horizontal forces as well as preventing pendulum movements. The bracing is installed in accordance with the implementation plan.

Suitable and proven constructions can be used for bracing purposes.

For example, bracing the suspended scaffold with tubes and couplers or with crossed tension belts against the structure or structural parts such as columns or slabs.



- The trolley is not suitable for transferring horizontal forces arising from the effects of the wind, or the bracing!
- Secure the entire suspended scaffold against unintended rolling away and displacement by means of clamping jaws or other suitable equipment!

Components

-
- 12** Flange Coupler UEC
 - 15** Standard Coupler
 - 16** Scaffold Tube
-



- With this assembly variant, a construction consisting of tubes, Flange Couplers UEC and standard couplers is used for bracing the suspended scaffold. (Fig. A14.01 + A14.01a)
- Static proof is necessary for transferring the forces and transmitting them into the ground.

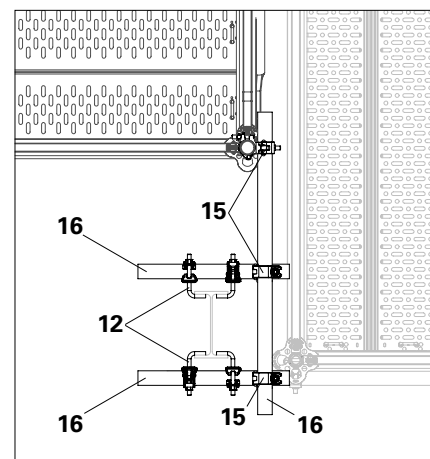


Fig. A14.01a

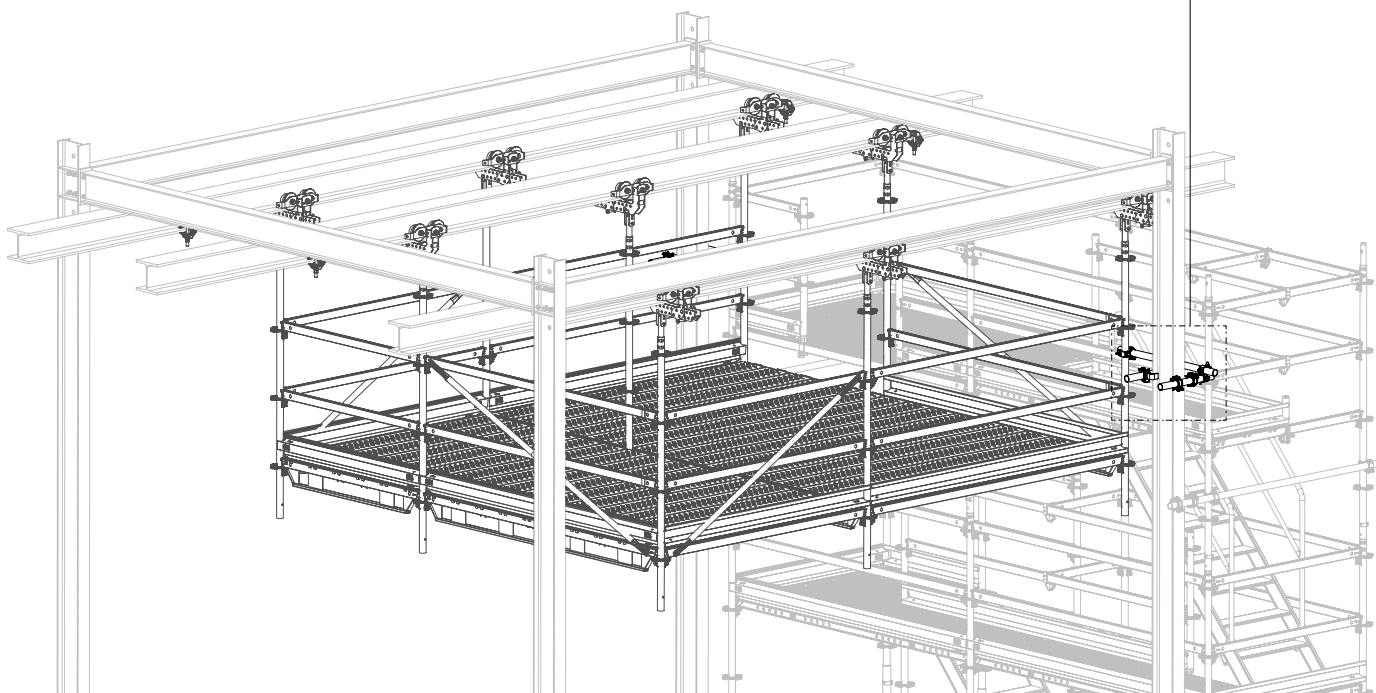


Fig. A14.01



Permissible tension force 20.60 kN

The bottom standard is connected to the top standard by a bolt.
The embossed spigot of the bottom standard is verified for this connection!
(See Approval Z-8.22-863)

Components

3 Standard UVR	2x
13 Bolt M10x70, Grade 8.8 with Nut	1x

(Fig. B1.01 + B1.01a)



Permanent securing by means of lock nuts or self-locking nuts is recommended for safety reasons.

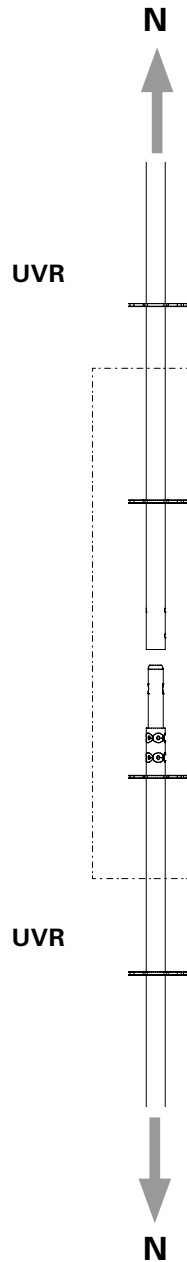


Fig. B1.01

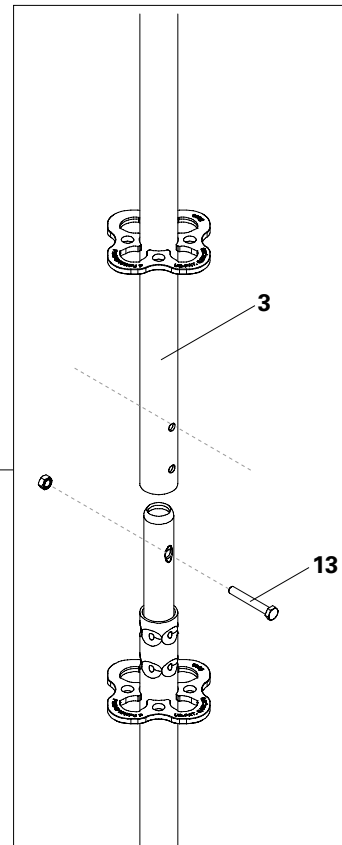


Fig. B1.01a



Permissible tension force 21.70 kN

Both Top Standards UVR are connected to each other by means of the Connector ULT and two bolts.

Components

10	Top Standard UVH	2x
11	Spigot ULT 32	1x
13	Bolt M10x70, Grade 8.8 with Nut	2x

(Fig. B2.01 + B2.01a)



Permanent securing by means of lock nuts or self-locking nuts is recommended for safety reasons.

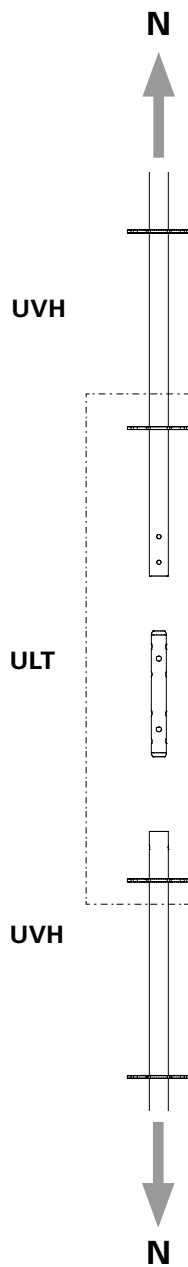


Fig. B2.01

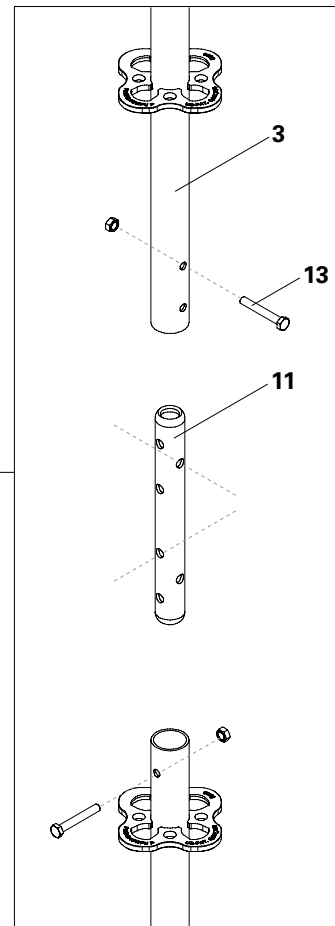


Fig. B2.01a

Connection to an I-shaped steel girder (Fig. B3.01)



Verification of the steel girder must be provided by the contractor.

Components

12 Flange Coupler UEC

(Fig. B3.01)

With two Flange Couplers UEC (12), one scaffold tube can be clamped to an I-girder which serves as the basis for continued assembly with a system scaffold.

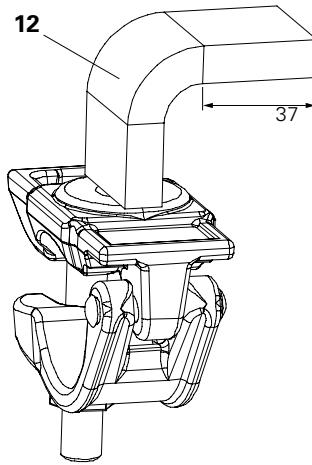


Fig. B3.01

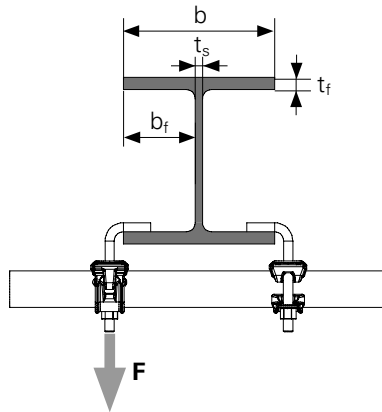


Fig. B3.02

Important: the flange couplers must encompass the girder flange up to the start of the curvature in order to keep the bending load to a minimum.
(Fig. B3.02 + B3.03)

Technical data

Free choice of flange widths:

$$b_f = (b - t_s) / 2 \geq 40 \text{ mm}$$

Flange thicknesses:

$$t_f \leq 39 \text{ mm}$$

Permissible suspended load:

see values

and Design Tables

Further assembly on the scaffold tube with couplers or other components requires additional verification.



- The transfer of forces via the scaffold tubes into the steel girders requires additional verification. It is possible to limit the permissible load on the entire connection!
- Verification for the scaffold tube must be additionally carried out and is not included in the given permissible loads!

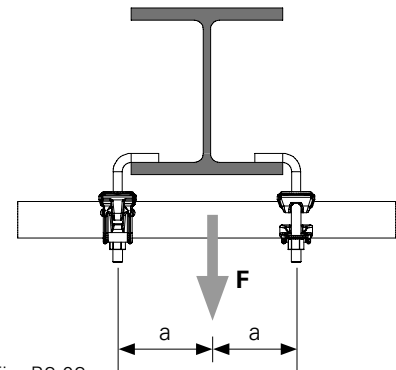


Fig. B3.03

max. F
kN
9.00

max. F
kN
18.00

B3 Flange Coupler UEC

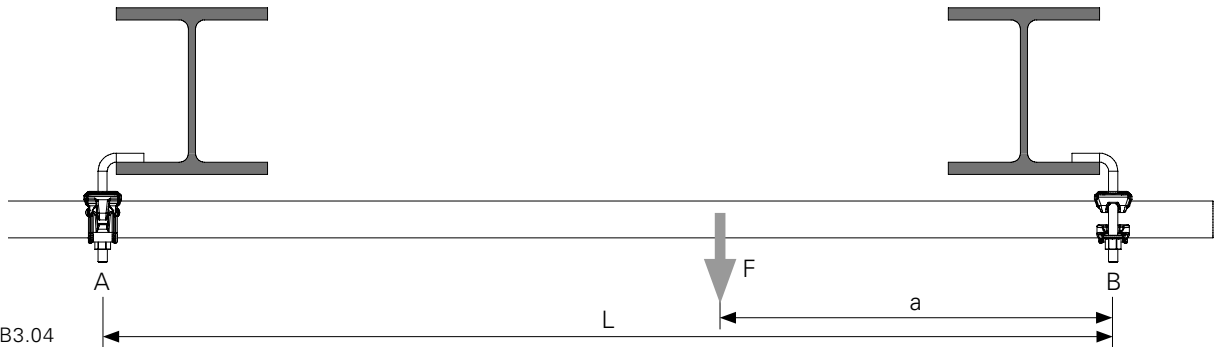


Fig. B3.04

max. F (also see table) kN
max. $F \leq 9.0 \cdot [L/(L-a)]$ mit $A \leq 9.0 \text{ kN}$ and $B \leq 9.0 \text{ kN}$

L	a = x*L x	max. F kN	max. A kN	max. B kN
1.0	0.0	9.00	0.00	9.00
1.0	0.1	10.00	1.00	9.00
1.0	0.2	11.25	2.25	9.00
1.0	0.3	12.86	3.86	9.00
1.0	0.4	15.00	6.00	9.00
1.0	0.5	18.00	9.00	9.00
1.0	0.6	15.00	9.00	6.00
1.0	0.7	12.86	9.00	3.86
1.0	0.8	11.25	9.00	2.25
1.0	0.9	10.00	9.00	1.00
1.0	1.0	9.00	9.00	0.00
		= A + B	≤ 9.0 kN	≤ 9.0 kN



Verification for the scaffold tube must be additionally carried out and is not included in the given permissible loads! (Tab. 01 + Tab. 02)

Tab. 01

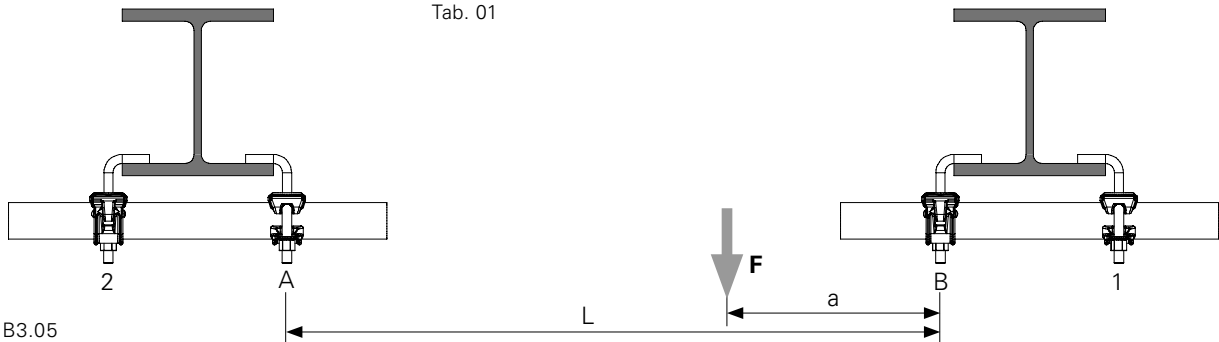


Fig. B3.05

max. F (also see tables) kN
max. $F \leq 9.0 \cdot [L/(L-a)]$ mit $A \leq 9.0 \text{ kN}$ and $B \leq 9.0 \text{ kN}$

L	a = x*L x	max. F kN	max. A kN	max. B kN
1.0	0.0	9.00	0.00	9.00
1.0	0.1	10.00	1.00	9.00
1.0	0.2	11.25	2.25	9.00
1.0	0.3	12.86	3.86	9.00
1.0	0.4	15.00	6.00	9.00
1.0	0.5	18.00	9.00	9.00
1.0	0.6	15.00	9.00	6.00
1.0	0.7	12.86	9.00	3.86
1.0	0.8	11.25	9.00	2.25
1.0	0.9	10.00	9.00	1.00
1.0	1.0	9.00	9.00	0.00
		= A + B	≤ 9.0 kN	≤ 9.0 kN



Flange couplers at points 1 and 2 lift upwards and therefore cannot transmit any loads!

Tab. 02



Verification of the steel girder must be provided by the contractor.

Technical data

Trolley UFS 20 is usable for:
 Flange widths: from 200 – 320 mm
 Flange thicknesses: ≤ 40 mm
 (Fig. B4.03)

Girder inclination:
 for 15 to 20 mm flange thickness: ≤ 6.3°
 for 40 mm flange thickness: ≤ 3°

Adjustment range of the standard support:
 Side movable arm: ≤ 90 mm
 Side guide arm: ≤ 155 mm

Flanged wheel:
 Material: polyamide
 Temperature range: -30° bis +80°C

perm. vertical load: 20 kN
 (2.0 t)

The trolley is not suitable for transferring horizontal forces arising from the effects of the wind, or the bracing!

Connecting the standards

Standards UVR can be mounted as planned on the standard supports of the trolley using Bolts M10x70, Grade 8.8 (see Section B1). (Fig. B4.02)

Alternatively, Top Standards UVH can also be used with Connectors ULT and Bolts M10x70, Grade 8.8 (see Section B2).

Details regarding the permissible loads of the individual connections are given in the previous sections.



Standards UVR and Top Standards UVH must be connected to each other as well as to the standard support using Bolts M10x70 mm, Grade 8.8.

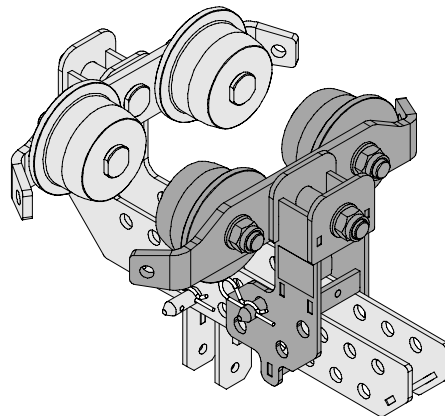


Fig. B4.10

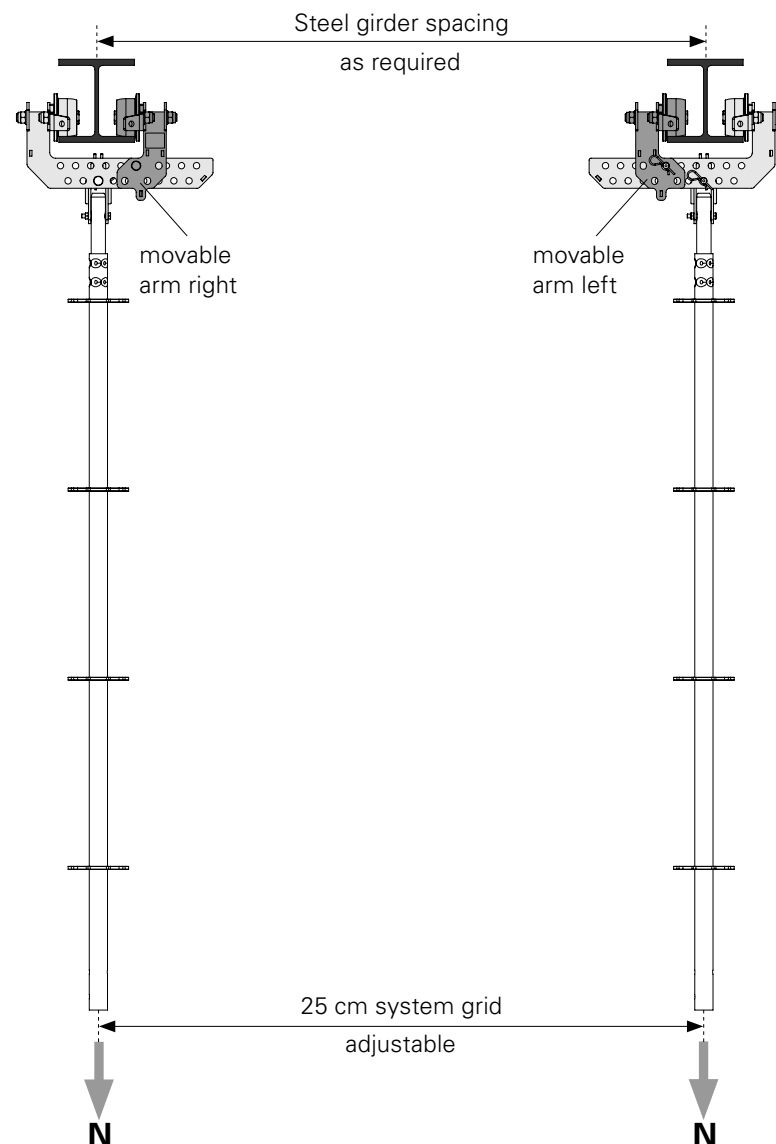


Fig. B4.02

B4 Trolley UFS 20



The flanged wheels must encompass the flange of the steel girder as closely as possible.

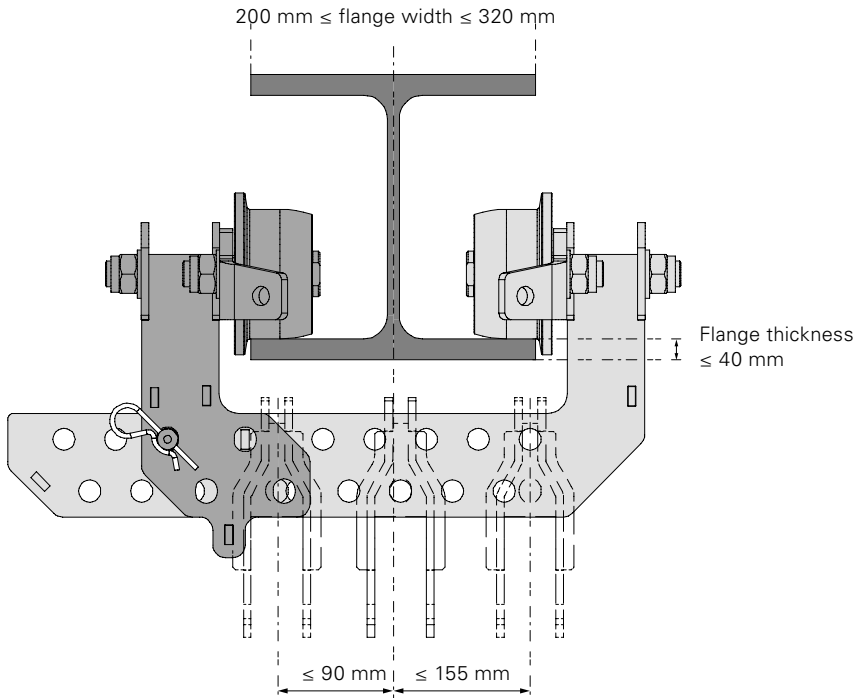
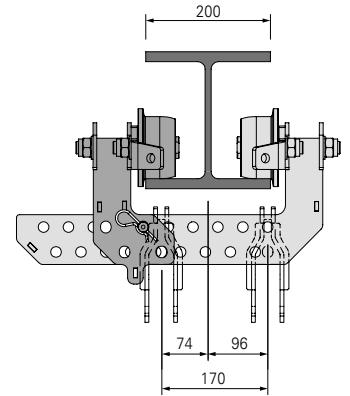
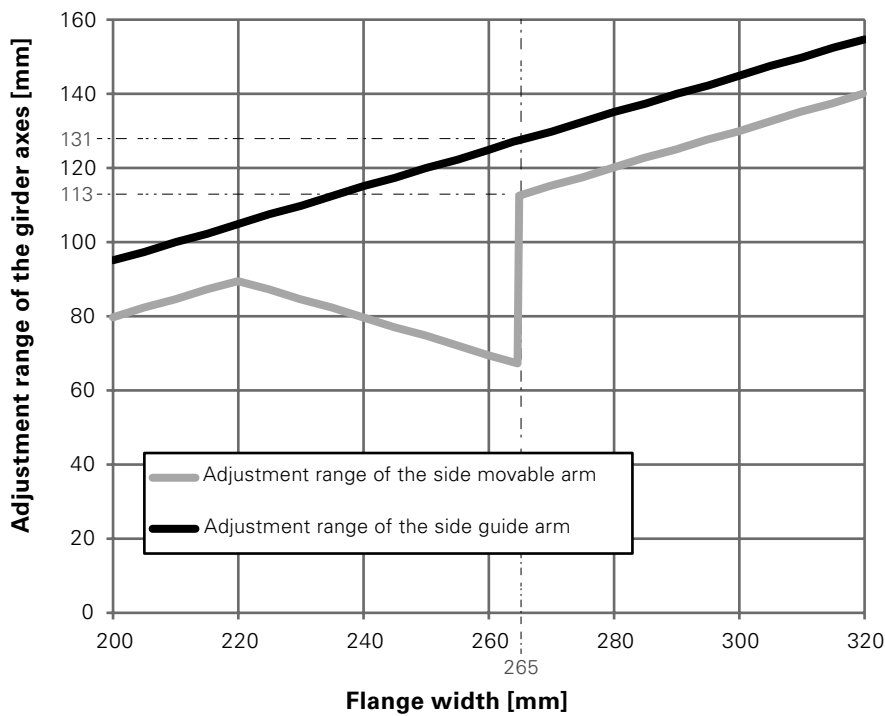


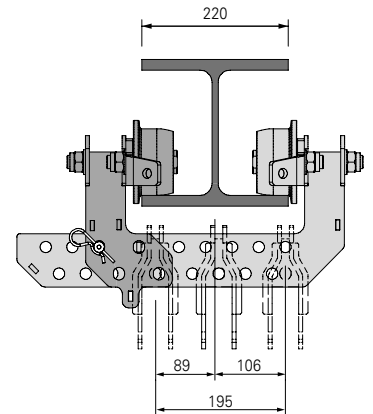
Fig. B4.03

Adjustment range of the side movable arm:
up to 90 mm
(measured from the girder axis)

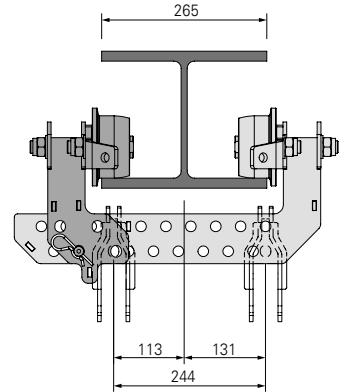
Adjustment range of the side guide arm:
up to 155 mm
(measured from the girder axis)



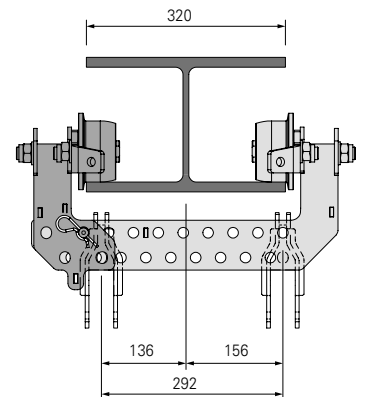
Flange width: 200
Adjustable width: 170



Flange width: 220
Adjustable width: 195



Flange width: 265
Adjustable width: 244



Flange width: 320
Adjustable width: 292

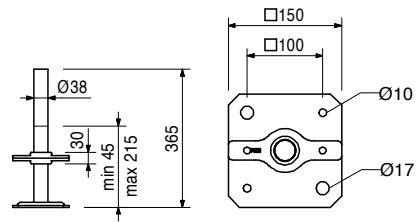
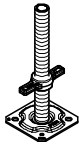
PERI UP Flex Suspended Scaffolds



Item no.	Weight kg
116762	2.870

Adj. Base Plate UJB 38-36/17

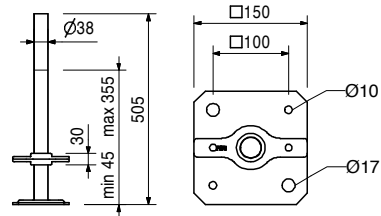
Note
With captive white Quick Jack Nut.



100411	3.420
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Adj. Base Plate UJB 38-50/30

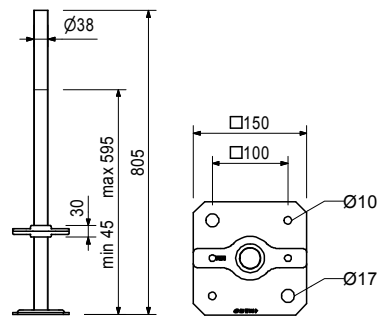
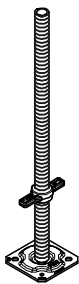
Note
With captive red Quick Jack Nut.



100242	4.570
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Adj. Base Plate UJB 38-80/55

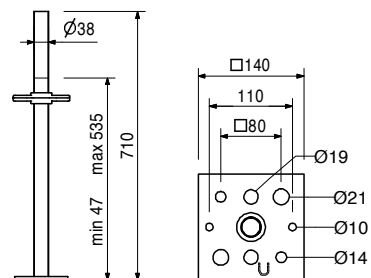
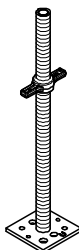
Note
With captive yellow Quick Jack Nut.



019780	5.250
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Base Spindle TR 38-70/50
For heavily loaded shoring.

Note
With captive silver Quick Jack Nut.

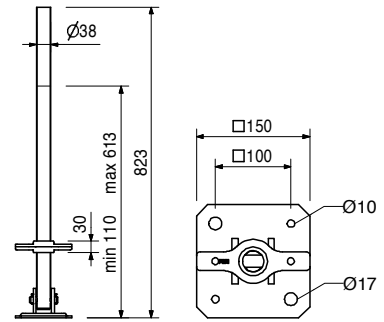
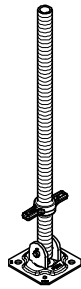


Item no.	Weight kg
100159	5.150

Adj. Base Plate UJS 38-80/50 Swivel

Note

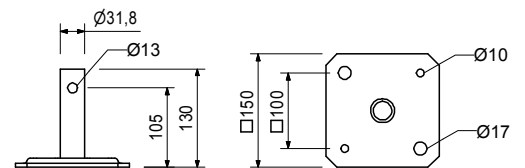
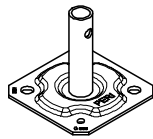
With captive yellow Quick Jack Nut.



100244	1.200
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Base Plate UJP

Without height adjustment.



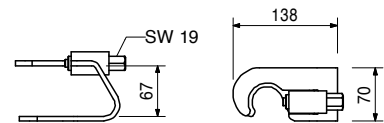
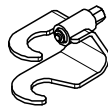
100863	1.020
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Spindle Locking UJS

Secures the Adjustable Base Plates and Section Spindles \varnothing 38 mm in the leg while moving.

Technical Data

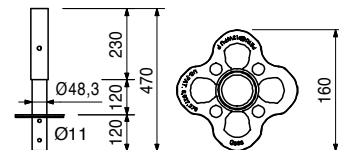
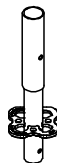
Permissible load 1.5 kN.



100014	2.470
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Base Standard UVB 24

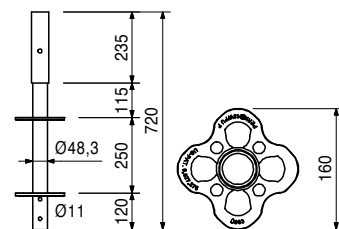
For assembly directly on the base spindle.



117194	3.980
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Base Standard UVB 49

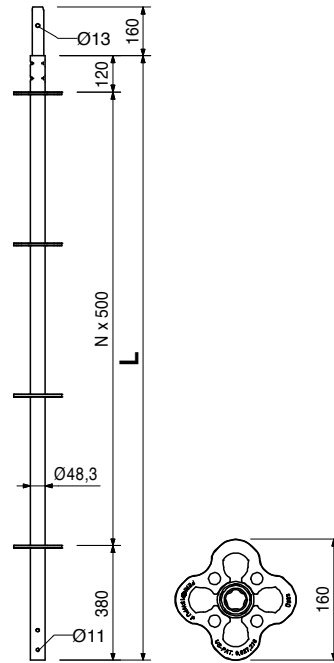
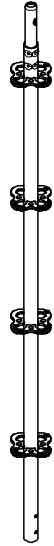
For assembly directly on the base spindle.
Reduces necessary spindle extension lengths through distance between rosettes of 25 cm.



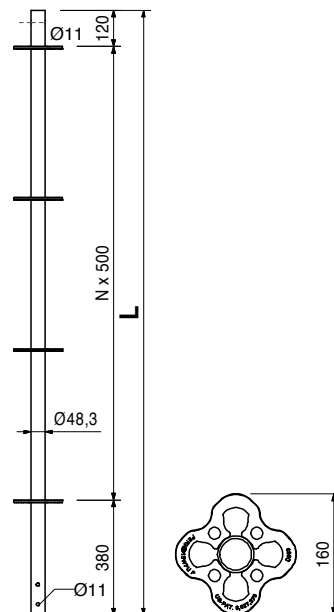
PERI UP Flex Suspended Scaffolds



Item no.	Weight kg		L
102859	3.080	Standards UVR	500
101306	5.380	Standard UVR 50	1000
102860	7.690	Standard UVR 100	1500
100009	10.000	Standard UVR 200	2000
100012	14.700	Standard UVR 300	3000
100013	19.200	Standard UVR 400	4000



		Top Standards UVH	L
101309	2.510	Top Standard UVH 50	500
100000	4.610	Top Standard UVH 100	1000
117195	7.600	Top Standard UVH 125	1250
100003	6.920	Top Standard UVH 150	1500
100005	9.240	Top Standard UVH 200	2000
100007	11.500	Top Standard UVH 250	2500



Without spigot for supporting head spindles.

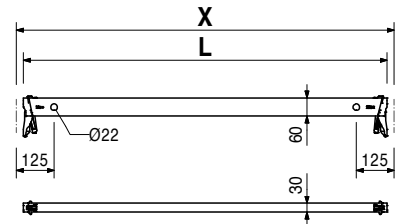
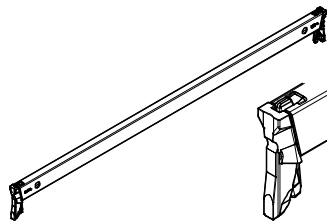
PERI UP Flex Suspended Scaffolds



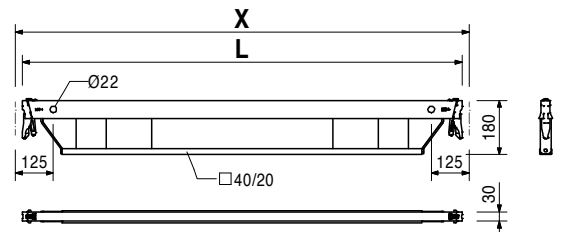
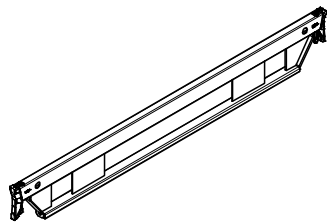
Item no.	Weight kg		L	X	Sticker
114613	1.420	Ledgers UH Plus	204	250	
125840	1.770	Ledger UH 25 Plus	329	375	
114595	2.070	Ledger UH 37.5 Plus	454	500	
114629	2.730	Ledger UH 50 Plus	704	750	White
114632	4.460	Ledger UH 75 Plus	954	1000	White
114638	5.430	Ledger UH 100 Plus	1204	1250	
114641	4.710	Ledger UH 125 Plus	1454	1500	
117032	5.380	Ledger UH 150 Plus	1704	1750	
114645	6.040	Ledger UH 200 Plus	1954	2000	
116356	6.700	Ledger UH 225 Plus	2204	2250	
114648	7.360	Ledger UH 250 Plus	2454	2500	
114651	8.680	Ledger UH 300 Plus	2954	3000	

Note

Longitudinally-stamped and with coloured label for easier identification.

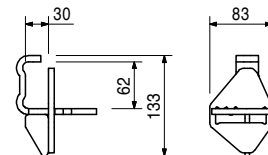


Item no.	Weight kg		L	X
114681	11.000	Ledgers UHV		
		Ledger UHV 150 Plus	1454	1500
114687	14.900	Ledger UHV 200 Plus	1954	2000
114691	18.100	Ledger UHV 250 Plus	2454	2500
114695	21.800	Ledger UHV 300 Plus	2954	3000

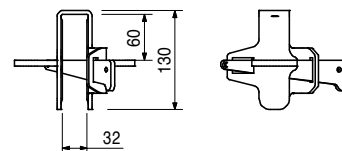
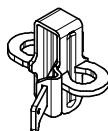


For high loads, e.g. material storage.

101731	0.841	Ledger to Ledger Coupler UHA		
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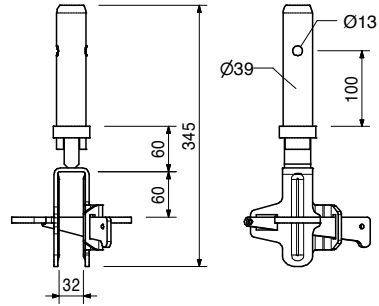
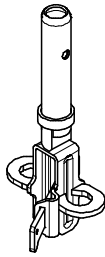


110793	1.090	Ledger to Ledger Coupler UHA Half		
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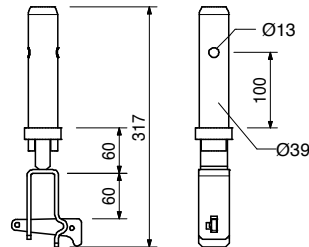
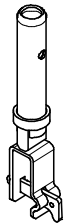
Item no.	Weight kg
110792	1.900

Ledger to Ledger Coupler UHA Half w. Spigot



109764	1.250
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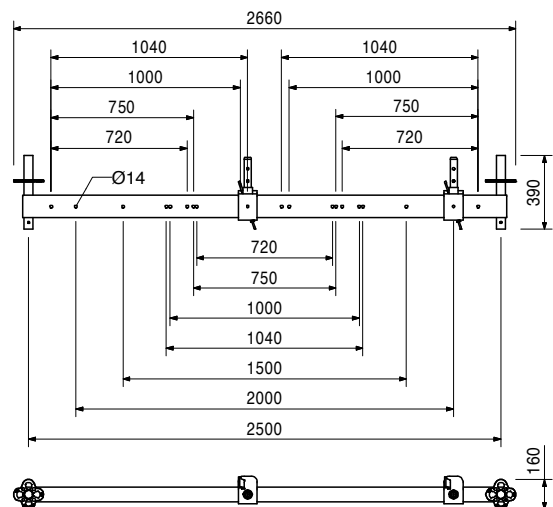
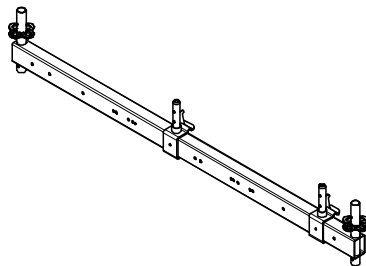
UH Spigot



100870	40.700
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Base Beam UVA 250

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



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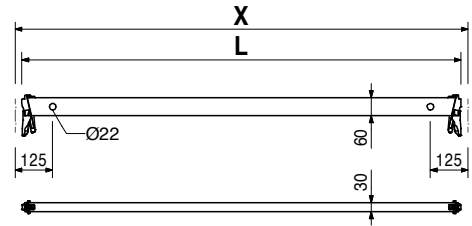
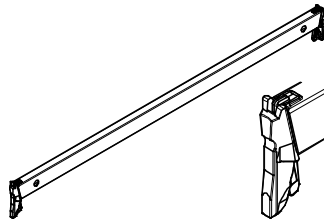
Item no.	Weight kg
404780	1.390
404779	2.040
400017	2.710
401159	3.370
410347	4.020
400021	4.690
400023	6.020
400025	7.340
400027	8.670

Ledgers UH
Ledger UH 25
Ledger UH 50
Ledger UH 75
Ledger UH 100
Ledger UH 125
Ledger UH 150
Ledger UH 200
Ledger UH 250
Ledger UH 300

L	X	Sticker
204	250	
454	500	
704	750	White
954	1000	White
1204	1250	
1454	1500	
1954	2000	White
2454	2500	Red
2954	3000	Black

Note

Longitudinally-stamped and with coloured label for easier identification.
 Ledgers UH can be replaced by Ledgers UH Plus.



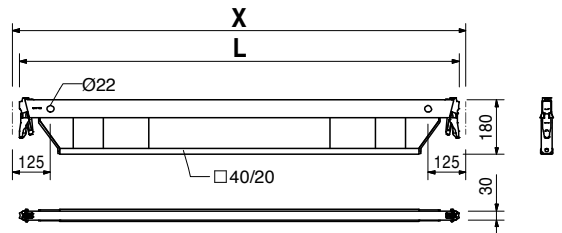
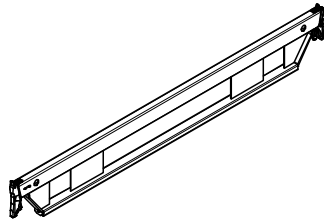
409107	10.900
409108	14.800
409109	18.000
409110	21.800

Ledgers UHV
Ledger UHV 150
Ledger UHV 200
Ledger UHV 250
Ledger UHV 300
 For high loads, e.g. material storage.

L	X
1454	1500
1954	2000
2454	2500
2954	3000

Note

Ledgers UHV can be replaced by ledgers UHV Plus.



PERI UP Flex Suspended Scaffolds



Item no.	Weight kg		L	X	Y	Sticker
		Ledger Braces UBL				
115156	2.660	Ledger Brace UBL 100/50	901	1000	500	
115513	4.640	Ledger Brace UBL 100/150	1677	1000	1500	
115157	5.810	Ledger Brace UBL 100/200	2136	1000	2000	
107867	3.790	Ledger Brace UBL 150/50	1347	1500	500	
100055	4.440	Ledger Brace UBL 150/100	1601	1500	1000	
102846	5.340	Ledger Brace UBL 150/150	1953	1500	1500	
100057	6.380	Ledger Brace UBL 150/200	2358	1500	2000	
109034	6.740	Ledger Brace UBL 175/200	2500	1750	2000	
104391	5.000	Ledger Brace UBL 200/50	1820	2000	500	
100059	5.500	Ledger Brace UBL 200/100	2016	2000	1000	
102862	6.240	Ledger Brace UBL 200/150	2305	2000	1500	
100061	7.160	Ledger Brace UBL 200/200	2658	2000	2000	White
117689	7.580	Ledger Brace UBL 225/200	2829	2250	2000	
100063	6.640	Ledger Brace UBL 250/100	2462	2500	1000	
102861	7.260	Ledger Brace UBL 250/150	2705	2500	1500	
100065	8.050	Ledger Brace UBL 250/200	3010	2500	2000	Red
104762	7.490	Ledger Brace UBL 300/50	2795	3000	500	
100067	7.830	Ledger Brace UBL 300/100	2926	3000	1000	
104766	8.360	Ledger Brace UBL 300/150	3133	3000	1500	
100069	9.050	Ledger Brace UBL 300/200	3400	3000	2000	Black

Mounted in the holes of the ledger.

Note

Longitudinally-stamped and with coloured label for easier identification.

UBL 150/250 identical to UBL 300/50.

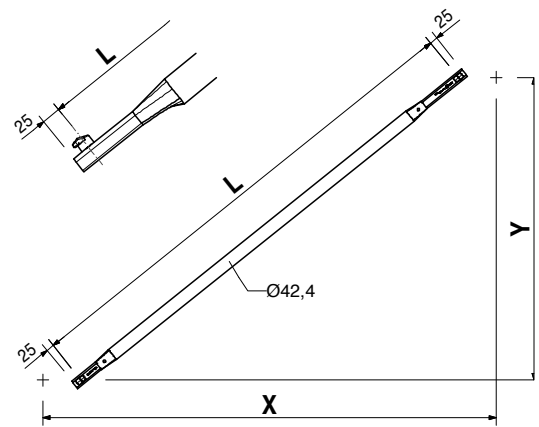
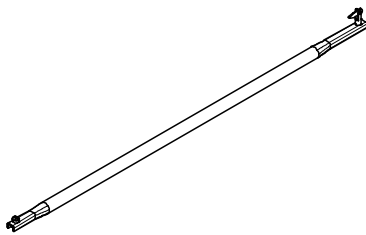
UBL 225/150 identical to UBL 175/200.

UBL 250/50 identical to UBL 200/150.

UBL 75/200 identical to UBL 225/50.

UBL 100/100 identical to Diagonal Strut ST 100

(Item no. 019940).

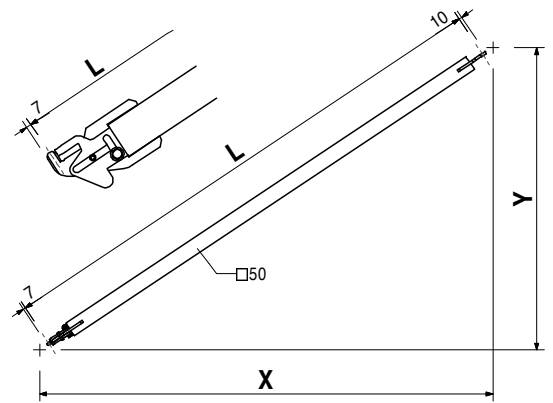
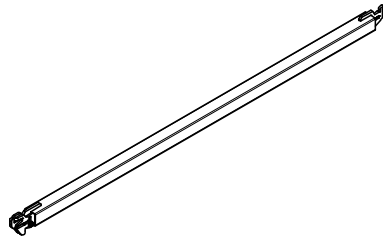


PERI UP Flex Suspended Scaffolds



Item no.	Weight kg	H-Braces UBH Flex	L	X	Y
114818	4.580	H-Brace UBH Flex 100/100	1335	1000	1000
114904	5.620	H-Brace UBH Flex 125/125	1689	1250	1250
114821	5.720	H-Brace UBH Flex 150/100	1725	1500	1000
114908	6.160	H-Brace UBH Flex 150/125	1874	1500	1250
114912	6.650	H-Brace UBH Flex 150/150	2042	1500	1500
114820	7.000	H-Brace UBH Flex 200/100	2161	2000	1000
124097	7.770	H-Brace UBH Flex 200/150	2422	2000	1500
114916	8.730	H-Brace UBH Flex 200/200	2749	2000	2000
114896	8.120	H-Brace UBH Flex 250/75	2541	2500	750
114819	8.350	H-Brace UBH Flex 250/100	2620	2500	1000
124101	8.990	H-Brace UBH Flex 250/150	2838	2500	1500
114996	8.640	H-Brace UBH Flex 250/125	2720	2500	1250
114920	9.830	H-Brace UBH Flex 250/200	3123	2500	2000
114928	10.800	H-Brace UBH Flex 250/250	3456	2500	2500
114900	9.540	H-Brace UBH Flex 300/75	3025	3000	750
114892	9.730	H-Brace UBH Flex 300/100	3092	3000	1000
124105	10.300	H-Brace UBH Flex 300/150	3279	3000	1500
114924	11.000	H-Brace UBH Flex 300/200	3528	3000	2000
114932	11.900	H-Brace UBH Flex 300/250	3826	3000 <td 2500	
114936	12.900	H-Brace UBH Flex 300/300	4163	3000	3000

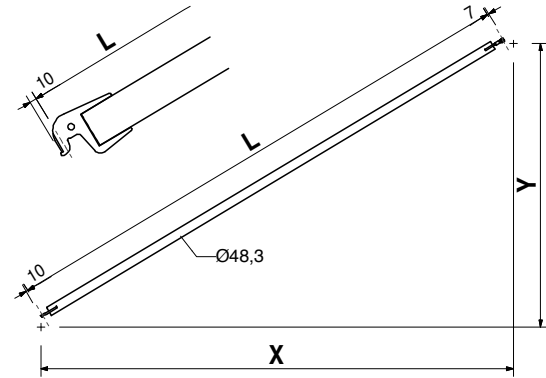
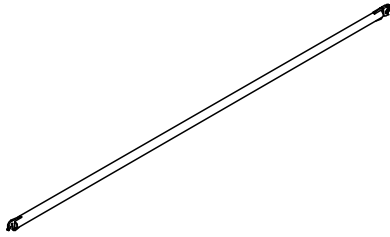
For horizontal bracing of towers. Also useable underneath deckings UDI and UDG.



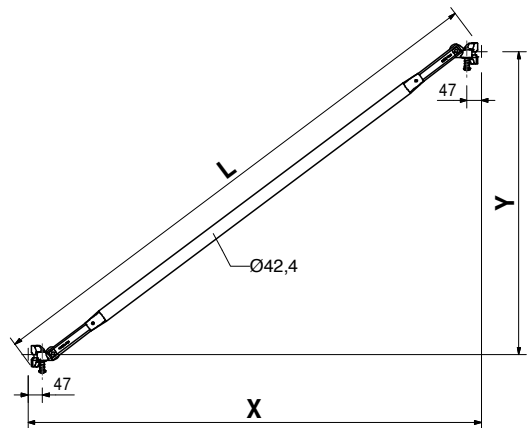
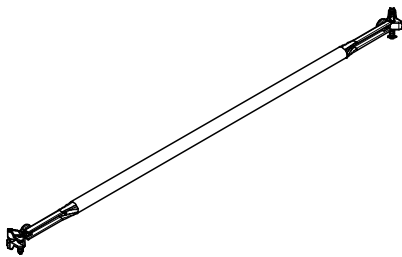
PERI UP Flex Suspended Scaffolds



Item no.	Weight kg		L	X	Y
Horizontal Braces UBH					
100042	7.350	Horizontal Brace UBH 150/150	2042	1500	1500
107815	8.700	Horizontal Brace UBH 200/150	2422	2000	1500
100047	9.870	Horizontal Brace UBH 200/200	2749	2000	2000
106931	10.200	Horizontal Brace UBH 250/150	2838	2500	1500
104356	11.300	Horizontal Brace UBH 250/200	3123	2500	2000
100049	12.400	Horizontal Brace UBH 250/250	3456	2500	2500
100051	11.800	Horizontal Brace UBH 300/150	3279	3000	1500
123483	12.700	Horizontal Brace UBH 300/200	3528	3000	2000
102617	13.800	Horizontal Brace UBH 300/250	3826	3000	2500
100053	15.000	Horizontal Brace UBH 300/300	4164	3000	3000



			L	X	Y	Sticker
Node Braces UBK						
124170	6.780	Node Brace UBK 75/200	2190	750	2000	
112926	6.990	Node Brace UBK 100/200	2285	1000	2000	
115354	5.220	Node Brace UBK 125/100	1625	1250	1000	
112765	7.260	Node Brace UBK 125/200	2401	1250	2000	
100981	5.710	Node Brace UBK 150/100	1821	1500	1000	
100973	6.580	Node Brace UBK 150/150	2152	1500	1500	
100572	7.600	Node Brace UBK 150/200	2539	1500	2000	
100985	6.790	Node Brace UBK 200/100	2246	2000	1000	
106630	7.510	Node Brace UBK 200/150	2521	2000	1500	
100573	8.390	Node Brace UBK 200/200	2860	2000	2000	White
100989	7.940	Node Brace UBK 250/100	2696	2500	1000	
106624	8.540	Node Brace UBK 250/150	2930	2500	1500	
100574	9.310	Node Brace UBK 250/200	3226	2500	2000	Red
100993	9.130	Node Brace UBK 300/100	3131	3000	1000	
100575	10.300	Node Brace UBK 300/200	3625	3000	2000	Black



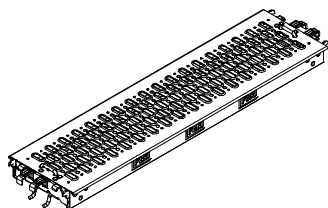
PERI UP Flex Suspended Scaffolds



Item no. Weight kg

Item no.	Weight kg	Industrial Decks UDI 25
404029	4.090	Industrial Deck UDI 25 x 50
405925	5.520	Industrial Deck UDI 25 x 75
406092	6.950	Industrial Deck UDI 25 x 100
406880	8.380	Industrial Deck UDI 25 x 125
407002	9.790	Industrial Deck UDI 25 x 150
408380	12.700	Industrial Deck UDI 25 x 200
408540	15.500	Industrial Deck UDI 25 x 250
408689	18.400	Industrial Deck UDI 25 x 300

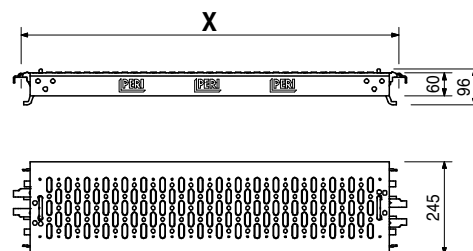
Mounted on Ledgers UH.



X	perm. p [kN/m ²]	max. p [kN/m ²]
500	6.0	40.0
750	6.0	40.0
1000	6.0	40.0
1250	6.0	28.4
1500	6.0	19.6
2000	6.0	10.9
2500	4.5	6.9
3000	3.0	4.7

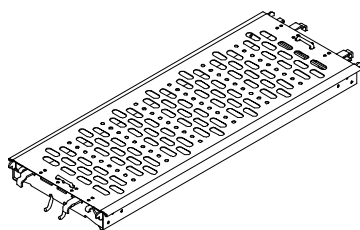
Note

perm. p according to DIN EN 12811-1.
max. p = maximum possible load without deflection limitation.



Item no.	Weight kg	Industrial Decks UDI 37.5
111685	5.110	Industrial Deck UDI 37.5 x 50
111687	6.790	Industrial Deck UDI 37.5 x 75
111686	8.460	Industrial Deck UDI 37.5 x 100
111860	10.100	Industrial Deck UDI 37.5 x 125
111863	11.800	Industrial Deck UDI 37.5 x 150
111864	15.200	Industrial Deck UDI 37.5 x 200
111865	18.500	Industrial Deck UDI 37.5 x 250
111969	21.900	Industrial Deck UDI 37.5 x 300

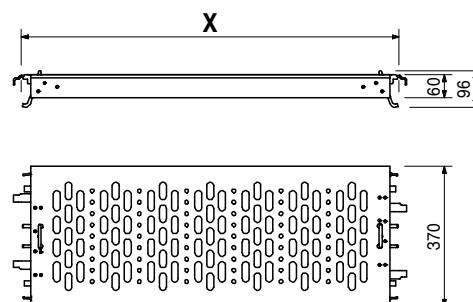
Mounted on Ledgers UH.



X	perm. p [kN/m ²]	max. p [kN/m ²]
500	6.0	40.0
750	6.0	26.7
1000	6.0	20.0
1250	6.0	16.0
1500	6.0	13.3
2000	6.0	10.0
2500	4.5	7.5
3000	3.0	5.2

Note

UDI 37.5 is offered as a "safe assembly".
perm. p according to DIN EN 12811-1.
max. p = maximum possible load without deflection limitation.



PERI UP Flex Suspended Scaffolds



Item no. Weight kg

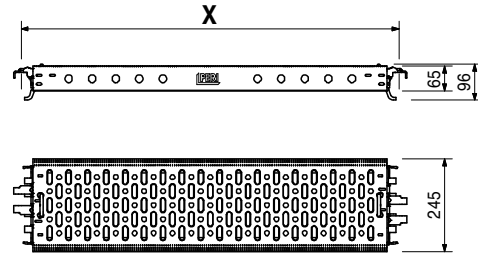
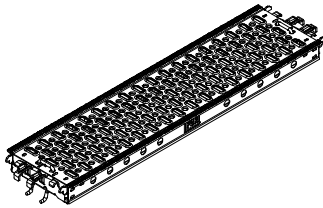
		Steel Decks UDG 25
124124	3.880	Steel Deck UDG 25 x 50
124121	5.260	Steel Deck UDG 25 x 75
124118	6.630	Steel Deck UDG 25 x 100
124115	8.010	Steel Deck UDG 25 x 125
124112	9.410	Steel Deck UDG 25 x 150
124109	12.200	Steel Deck UDG 25 x 200
123771	14.900	Steel Deck UDG 25 x 250
124915	17.700	Steel Deck UDG 25 x 300

Mounted on Ledgers UH.

X	perm. p [kN/m ²]	max. p [kN/m ²]
500	6.0	40.0
750	6.0	40.0
1000	6.0	40.0
1250	6.0	28.4
1500	6.0	19.6
2000	6.0	10.9
2500	4.5	6.9
3000	3.0	4.7

Note

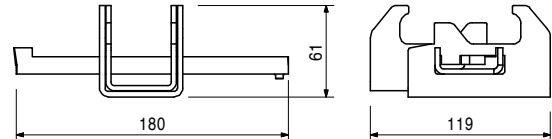
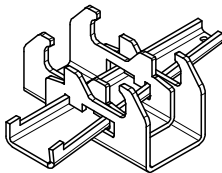
Perm. p according to DIN EN 12811-1.
max. p = maximum possible load without deflection limitation.



111011 0.797

Deck Link Plate UDC

Connects two industrial decks.



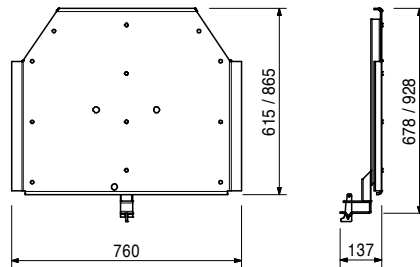
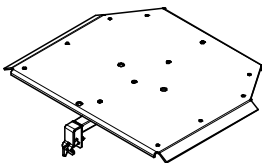
111101 7.780
112809 10.900

Bottom Sheetings UDP

Bottom Sheeting UDP 75

Bottom Sheeting UDP 100

Mounted on UH Ledgers. Closes gaps between bays during scaffold installation on circular structures.

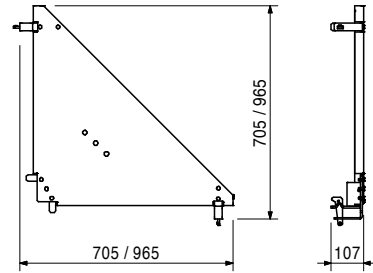
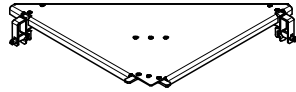


Item no. Weight kg

114148	4.890
113358	10.000

Corner Sheetings UDC
Corner Sheeting UDC 75
Corner Sheeting UDC 100

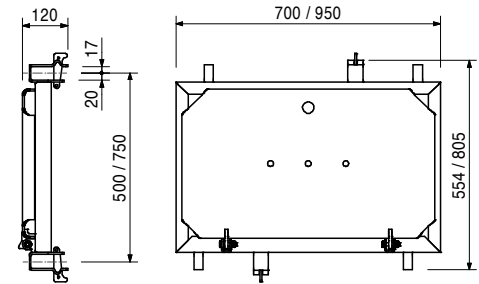
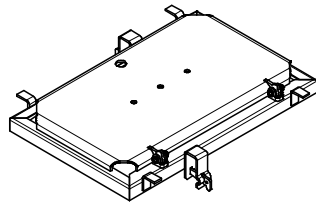
Mounted on UH Ledgers. For internal corners of platforms on circular containers.



109783	9.330
109755	15.700

Hatches UAF
Hatch UAF 50 x 75
Hatch UAF 75 x 100

Mounted on UH Ledgers.



109879	3.820
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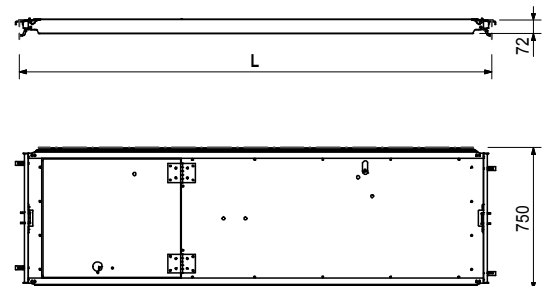
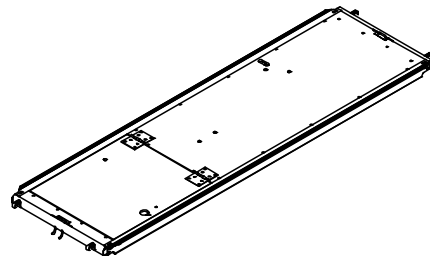
Accessories
Ladder UAF 200, Alu

126393	15.600
126392	19.600
126314	23.500

Access Decks UAL-3
Access Deck UAL-3, 75 x 150/3
Access Deck UAL-3, 75 x 200/3
Access Deck UAL-3, 75 x 250/3

L
1500
2000
2500

Technical Data
 Load Class 3, 2.0 kN/m².



126318	3.750
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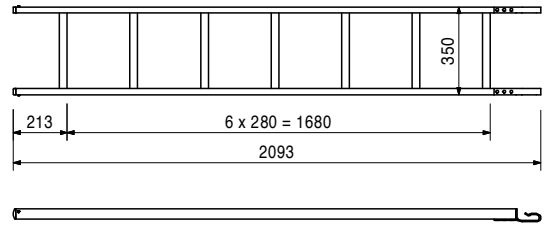
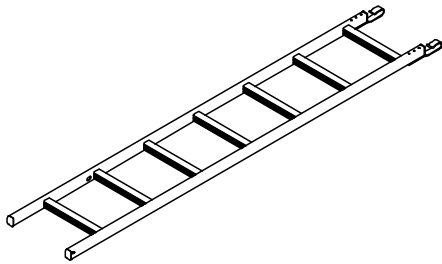
Accessories
Ladder Flex UEL with hook

PERI UP Flex Suspended Scaffolds



Item no.	Weight kg
126318	3.750

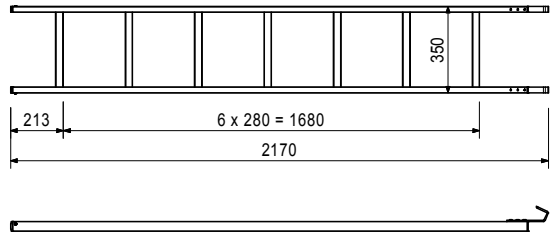
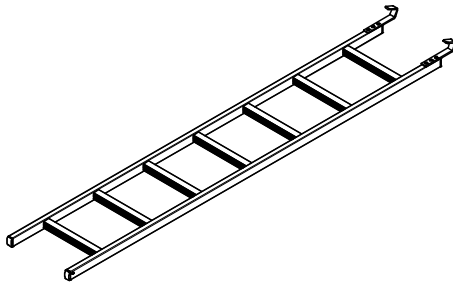
Ladder Flex UEL with hook



109879	3.820
--------	-------

Ladder UAF 200, Alu

For mounting to Hatch UAF.



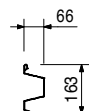
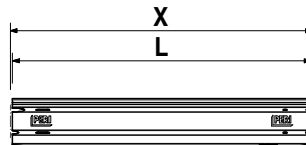
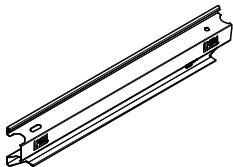
110213	0.928	Toeboards Steel UPY
110526	1.380	Toeboard Steel UPY 50
110514	1.440	Toeboard Steel UPY 72
110073	1.960	Toeboard Steel UPY 100
110076	2.050	Toeboard Steel UPY 104
110160	3.000	Toeboard Steel UPY 150
110176	4.030	Toeboard Steel UPY 200
110208	5.060	Toeboard Steel UPY 250
110211	6.100	Toeboard Steel UPY 300

Toeboards Steel UPY
Toeboard Steel UPY 50
Toeboard Steel UPY 72
Toeboard Steel UPY 100
Toeboard Steel UPY 104
Toeboard Steel UPY 150
Toeboard Steel UPY 200
Toeboard Steel UPY 250
Toeboard Steel UPY 300

L	X
486	500
706	720
736	750
986	1000
1016	1040
1486	1500
1986	2000
2486	2500
2986	3000

Note

Surface: galvanized and yellow coated.



PERI UP Flex Suspended Scaffolds

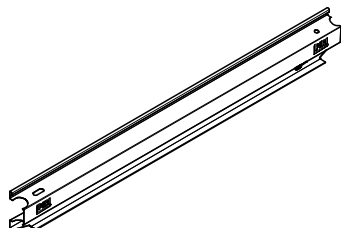


Item no.	Weight kg
117495	0.929
117938	1.380
117518	1.450
117981	1.960
123597	2.050
123694	3.000
123696	4.030
123698	5.060
123700	6.100

Toeboards Steel UPY, galv.
Toeboard Steel UPY 50, galv.
Toeboard Steel UPY 72, galv.
Toeboard Steel UPY 75, galv.
Toeboard Steel UPY 100, galv.
Toeboard Steel UPY 104, galv.
Toeboard Steel UPY 150, galv.
Toeboard Steel UPY 200, galv.
Toeboard Steel UPY 250, galv.
Toeboard Steel UPY 300, galv.

L	X
486	500
706	720
736	750
986	1000
1026	1040
1486	1500
1986	2000
2486	2500
2986	3000

Note
 Surface: galvanized.

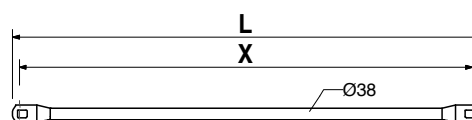
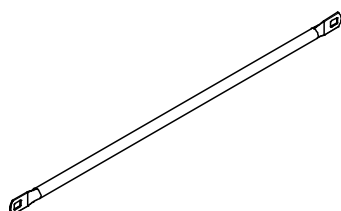


100265	2.410
100266	3.220
100267	4.020
100268	4.820

Guardrails UPG
Guardrail UPG 150
Guardrail UPG 200
Guardrail UPG 250
Guardrail UPG 300

L	X	Sticker
1546	1500	
2046	2000	White
2546	2500	Red
3046	3000	Black

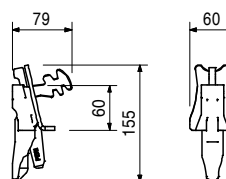
Note
 Longitudinally-stamped and with coloured label for easier identification.



104412	0.711
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Guardrail Coupler UPW
 For mounting the Guardrail UPG to the rosettes.

Note
 Assembly with guardrail in advance.



PERI UP Flex Suspended Scaffolds

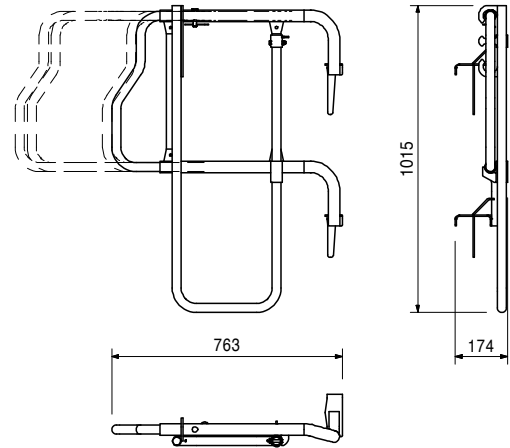
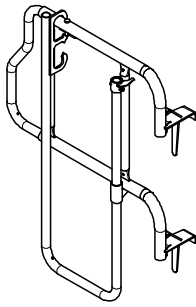


Item no.	Weight kg
115655	11.100

End Guardrail in Advance UPA Rosett

Note

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



110072	4.050
116695	4.630
117192	4.310

Swing Ledgers UPK

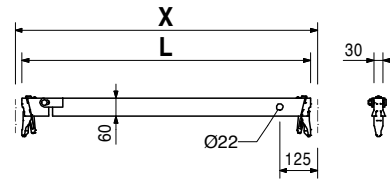
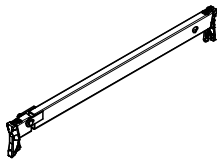
Swing Ledger UPK 75

Swing Ledger UPK 100

Swing Ledger UPK 125

Upwards opening ledger.

L	X
704	750
954	1000
1204	1250



115959	1.160
115962	1.480

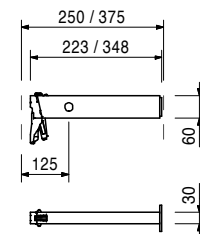
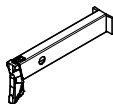
Supports UC

Support UC 25

Support UC 37.5

Note

Small console with end stop for the secure positioning of the decks.



PERI UP Flex Suspended Scaffolds

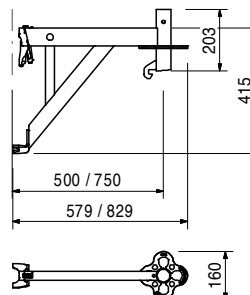
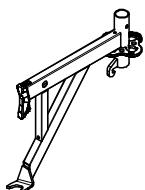


Item no. Weight kg

110483	4.480
111128	5.720

Consoles UCM
Console UCM 50-2
Console UCM 75-2

With connection for Console Bracket Brace UCM.



Accessories

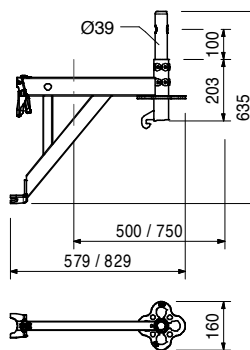
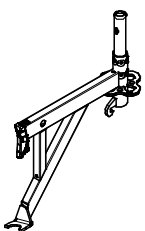
111053	0.059
100301	1.020

Locking Pin Ø 48/57
Spigot ULT 32

112676	5.280
112678	6.520

Consoles UCM with Spigot
Console UCM 50 with Spigot
Console UCM 75 with Spigot

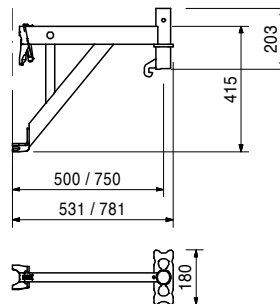
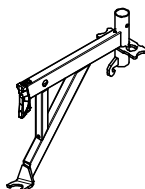
With connection for Console Bracket Brace UCM.



112690	4.370
112693	5.610

Consoles UCM with half Rosett
Console UCM 50 with half Rosett
Console UCM 75 with half Rosett

With connection for Console Bracket Brace UCM.



Accessories

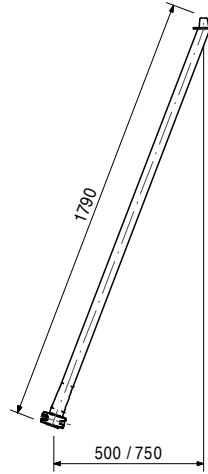
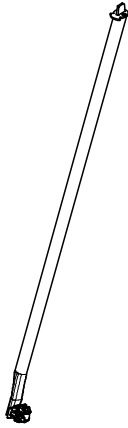
111053	0.059
100301	1.020

Locking Pin Ø 48/57
Spigot ULT 32

Item no.	Weight kg
112717	7.000

Console Bracket Brace UCM

For increasing the load-carrying capacity of Consoles UCM 50 and UCM 75 with yellow coupling.



111117	28.000
111124	32.900

Staircase UAS 75

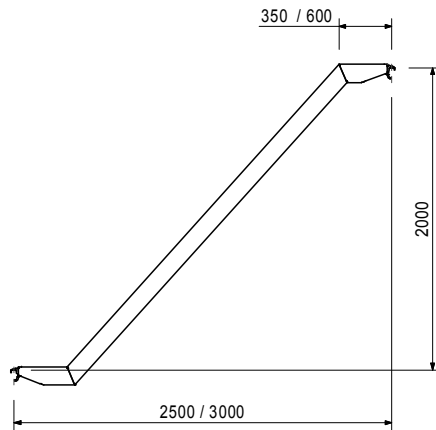
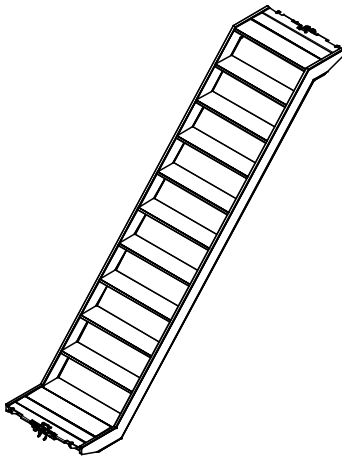
Staircase UAS 75 x 250/200, Alu

Staircase UAS 75 x 300/200, Alu

Assembly on Ledgers UH.

Technical Data

Permissible load 2.0 kN/m².



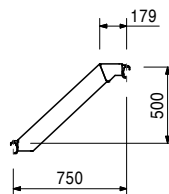
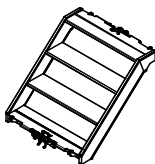
113228	10.100
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Staircase UAS 75 x 75/50, Alu

Assembly on Ledgers UH.

Technical Data

Permissible load 2.0 kN/m².



PERI UP Flex Suspended Scaffolds



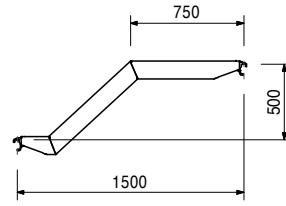
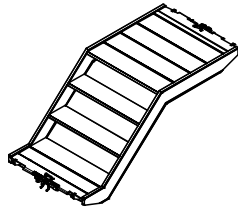
Item no. Weight kg

111087 17.500

Staircase UAS 75 x 150/50 T, Alu
Assembly on Ledgers UH.

Technical Data

Permissible load 2.0 kN/m².

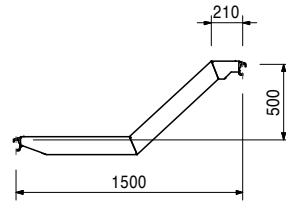
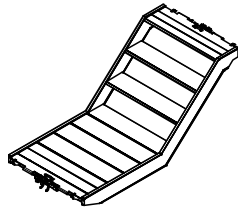


111095 17.500

Staircase UAS 75 x 150/50 S, Alu
Assembly on Ledgers UH.

Technical Data

Permissible load 2.0 kN/m².

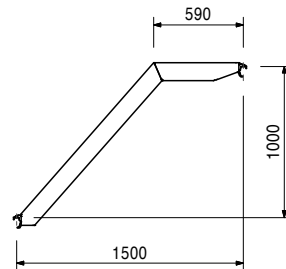
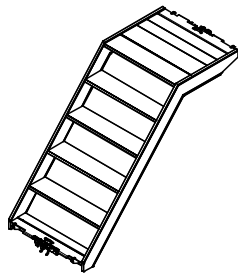


111103 17.900

Staircase UAS 75 x 150/100, Alu
Assembly on Ledgers UH.

Technical Data

Permissible load 2.0 kN/m².

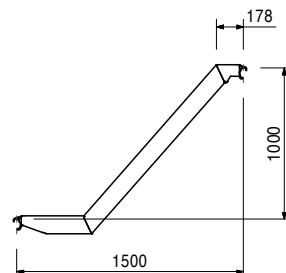
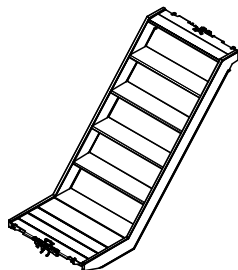


114536 17.900

Staircase UAS 75 x 150/100 S, Alu
Assembly on Ledgers UH.

Technical Data

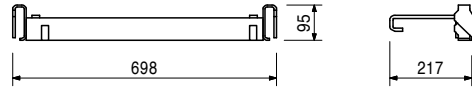
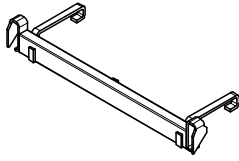
Permissible load 2.0 kN/m².



Item no.	Weight kg
115189	3.080

Waler on Staircase UAS 75

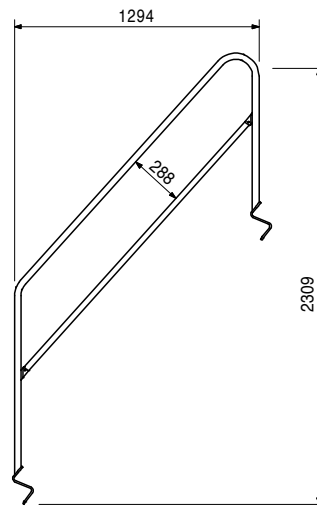
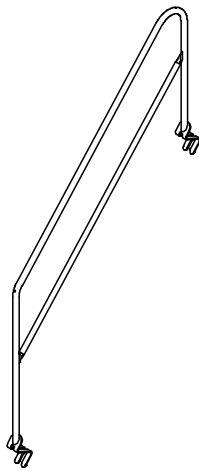
Mounted on the treads of the staircase. Allows installation of Industrial Decks Steel UDI or UDG.



100742	10.000
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Stair Guardrail UAG

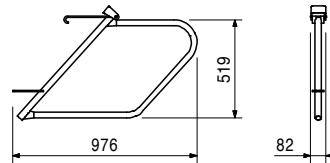
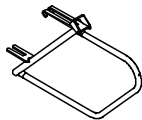
Suitable for Staircases UAS 64 x 250/200, UAS 64 x 300/200, UAS 75 x 250/200 and UAS 75 x 300/200 as internal and external guardrail.



100830	4.970
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Stair Guardrail UAH

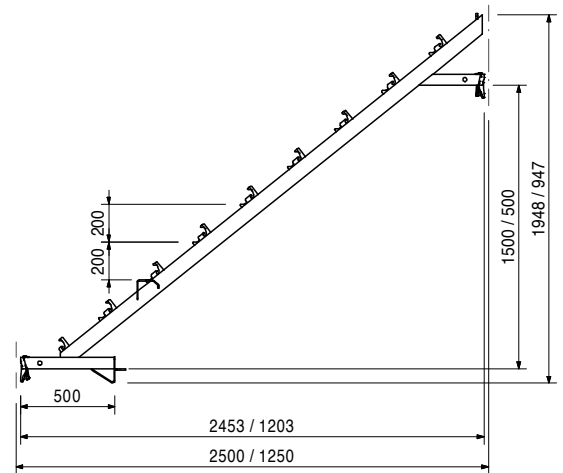
For fixing to the stringers of the Staircase Units UAS 64 x 250/200, UAS 64 x 300/200, UAS 75 x 250/200, UAS 75 x 300/200.



Item no.	Weight kg
114731	9.780
109219	15.800

Stair Stringers UA
Stair Stringer UA 125/100
Stair Stringer UA 250/200

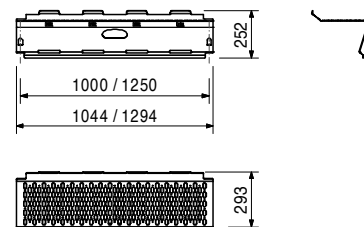
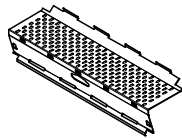
Technical Data
 Permissible load 3.0 kN/m².



109198	7.390
114179	9.250

Stair Steps UAR
Stair Step UAR 100
Stair Step UAR 125
 Tread for Stair Stringer UA. Non-slip due to perforated surface.

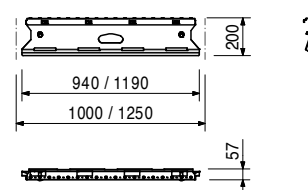
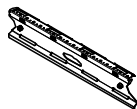
Technical Data
 Permissible load 3.0 kN/m².



109208	5.610
114180	6.590

End Steps UAE
End Step UAE 100
End Step UAE 125
 Last step for the Stair Stringer UA. Secures all steps.

Technical Data
 Permissible load 3.0 kN/m².



PERI UP Flex Suspended Scaffolds

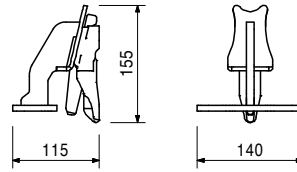


Item no.	Weight kg
124266	1.230

Distance Piece UA 76

Note

Allows connection of Node Braces UBK as guard-rail with 76 mm distance to all crossing parts.



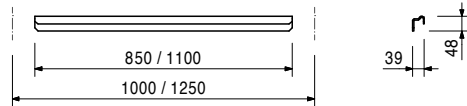
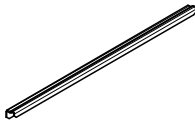
114349	0.770
114621	0.997

Edge Profiles UH

Edge Profile UH 100

Edge Profile UH 125

Assembly on UH Ledger for anti-slip protection on the first step at start of stairs with Stair Stringer UA.



124813	4.050
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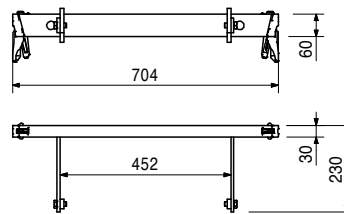
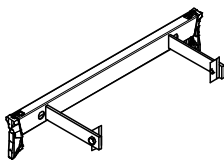
Ladder Connection UAC-2

Complete with

1 pc. 051410 Ladder 180/6, galv.

Note

For connection of Ladder 180/6 (Item no- 051410) with PERI UP Standards.



Accessories

051410	11.700
051460	2.180
103724	10.400
104132	15.600
051450	25.200

Ladder 180/6, galv.

Ladder Base, galv.

End Ladder 180/2, galv.

Ladder Safety Cage 75, galv.

Ladder Safety Cage 150, galv.

PERI UP Flex Suspended Scaffolds

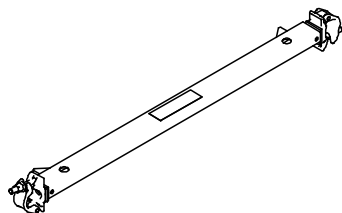


Item no. Weight kg

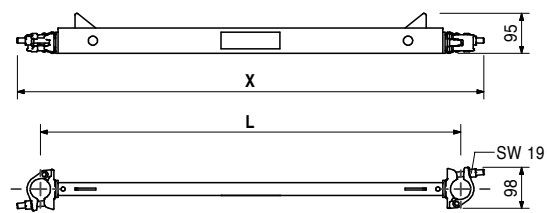
127533	3.100
127537	4.900

Coupler Ledgers UHC
Coupler Ledger UHC 75
Coupler Ledger UHC 100

For decking levels at any height and bracing of lattice Girders.

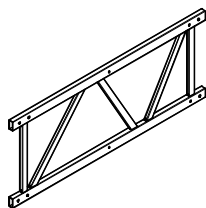


L	X
750	860
1000	1110

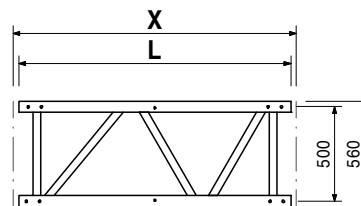


124781	15.400
124790	12.700
124795	10.500

Additional Elements ULS Flex
Additional Element ULS 150 Flex
Additional Element ULS 125 Flex
Additional Element ULS 100 Flex



L	X
1441	1500
1191	1250
941	1000



Note

Only usable with End Element ULS 50 Flex and Connector ULS Flex.

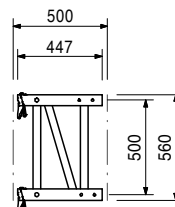
124805	6.460
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End Element ULS 50 Flex



Note

End element for the extension of Additional Element ULS Flex.



PERI UP Flex Suspended Scaffolds

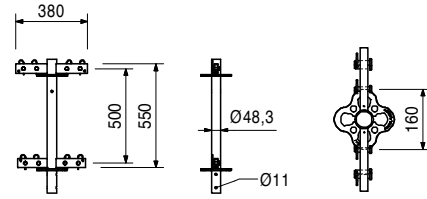


Item no.	Weight kg
124806	5.990

Connector ULS Flex

Complete with

8 pc. 124771 Bolt Ø 12 x 44, galv.
8 pc. 018060 Cotter Pin 4/1, galv.



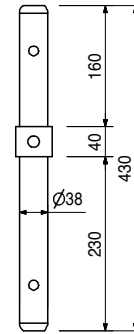
105372	1.340
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Spigot w. Spacer URE 4/42

For attaching to Collar URP and Connector ULS Flex; spacer allows assembly in grid system.

Note

For attaching to Head Frame EVH with Easy; spacer allows assembly in grid system.



Accessories

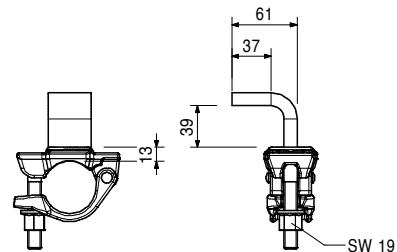
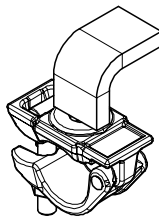
780356	0.011
100719	0.060

Nut ISO 7042 M10-8, galv.
Bolt ISO 4014 M10 x 70-8.8 MU

113726	0.908
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Flange Coupler UEC

For connecting Scaffold Tubes to Steel Girders with flange.



PERI UP Flex Suspended Scaffolds



Item no.	Weight kg
126497	17.400

Trolley UFS 20

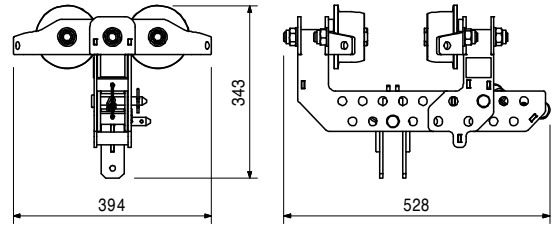
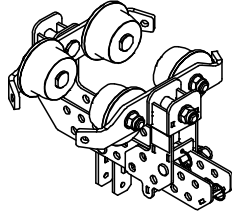
Allows connection of standards UVR to I-shaped steelgirders for moveable suspended scaffolds.

Complete with

2 pc. 018050 Pin \varnothing 16 x 65/86, galv.
2 pc. 018060 Cotter Pin 4/1, galv.

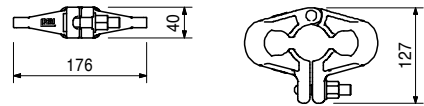
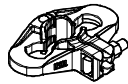
Note

Follow Instructions for Assembly and Use!



116306	1.700
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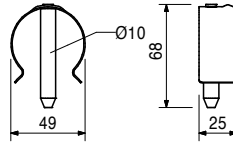
Rosett Coupler UEV 180°



111053	0.059
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Locking Pin \varnothing 48/57

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



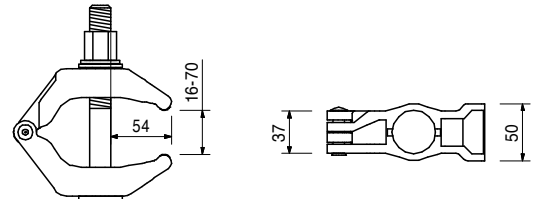
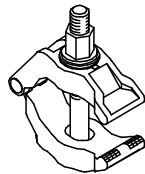
106183	2.200
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Main Beam Clamp HD 70 mm, galv.

For connecting crossed girders.

Note

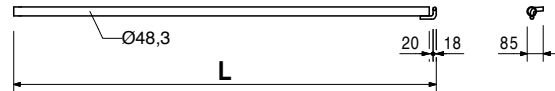
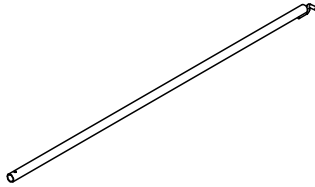
Take official approval into consideration!



PERI UP Flex Suspended Scaffolds



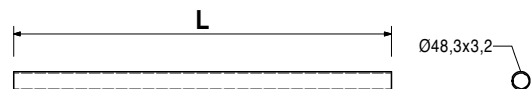
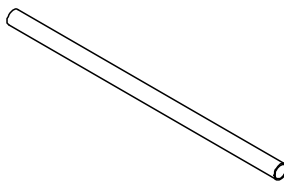
Item no.	Weight kg		L
		Wall Ties UWT	
100088	1.920	Wall Tie UWT 45	488
100091	4.680	Wall Tie UWT 110	1138
100093	5.870	Wall Tie UWT 140	1438
102951	7.060	Wall Tie UWT 170	1738
102954	9.050	Wall Tie UWT 220	2238
102957	11.000	Wall Tie UWT 270	2738



Item no.	Weight kg		Note
		Ring Bolts UFE	
100693	0.169	Ring Bolt UFE 12/90	With marking for screw-in depth.
100694	0.190	Ring Bolt UFE 12/120	
100695	0.250	Ring Bolt UFE 12/190	
		For assembling the Wall Tie UWT. Wall Insert UFI 14 required.	

Item no.	Weight kg	
		Wall Inserts UFI
100696	0.007	Wall Insert UFI 14/70
100697	0.009	Wall Insert UFI 14/100
100698	0.010	Wall Insert UFI 14/135

Item no.	Weight kg		L
		Scaffold Tubes Steel Ø 48.3 x 3.2	
026415	3.550	Scaff. Tube Steel Ø 48.3 x 3.2, special length	
026417	0.000	Cutting Cost Scaffold Tube	
026411	3.550	Scaff. Tube Steel Ø 48.3 x 3.2, l = 1.0 m	1000
026412	7.100	Scaff. Tube Steel Ø 48.3 x 3.2, l = 2.0 m	2000
026413	10.650	Scaff. Tube Steel Ø 48.3 x 3.2, l = 3.0 m	3000
026414	14.200	Scaff. Tube Steel Ø 48.3 x 3.2, l = 4.0 m	4000
026419	17.750	Scaff. Tube Steel Ø 48.3 x 3.2, l = 5.0 m	5000
026418	21.600	Scaff. Tube Steel Ø 48.3 x 3.2, l = 6.0 m	6000

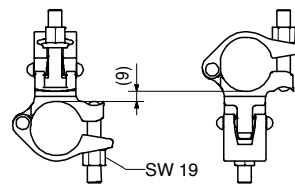
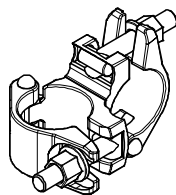


PERI UP Flex Suspended Scaffolds



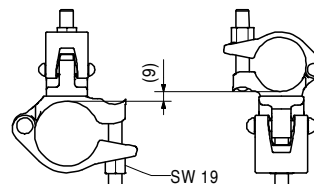
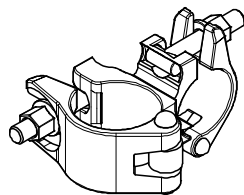
Item no.	Weight kg
017020	1.120

Standard Coupler NK 48/48, galv.
For Scaffold Tubes \varnothing 48 mm.



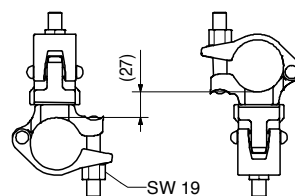
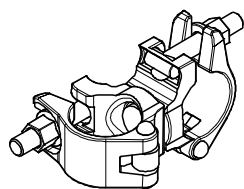
017030	1.400
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Double Coupler NK 60/48, galv.
For Scaffold Tubes \varnothing 48 mm and \varnothing 60 mm.



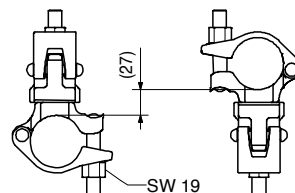
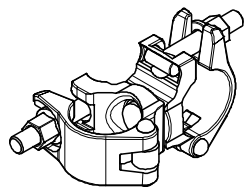
102400	1.100
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Swivel Coupling DK 38/48, galv.
For Scaffold Tubes \varnothing 48 mm and \varnothing 38 mm.



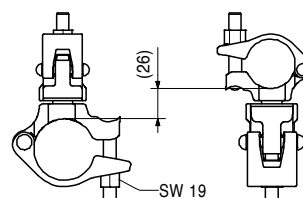
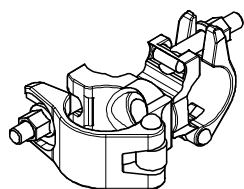
017010	1.400
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Swivel Coupling DK 48/48, galv.
For Scaffold Tubes \varnothing 48 mm.



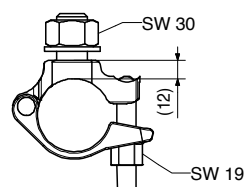
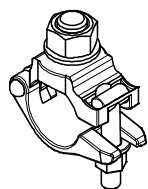
017000	1.540
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Swivel Coupling DK 60/48, galv.
For Scaffold Tubes \varnothing 48 mm and \varnothing 60 mm.



017040	0.850
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Screw-On Coupler AK 48, galv.
For Scaffold Tubes \varnothing 48 mm.

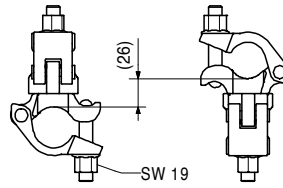
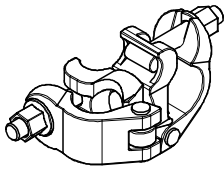


PERI UP Flex Suspended Scaffolds



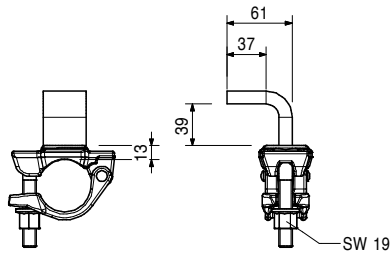
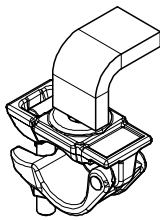
Item no.	Weight kg
017070	1.100

Swivel Coupling DK 33.7/38, galv.
For Scaffold Tubes \varnothing 33, 7/38 mm.



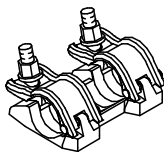
113726	0.908
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Flange Coupler UEC
For connecting Scaffold Tubes to Steel Girders with flange.



100908	1.400
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Tension Coupler \varnothing 48,3 mm, galv.
For tensile-proof connections of scaffold tubes \varnothing 48 mm.



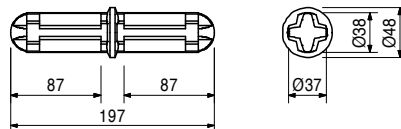
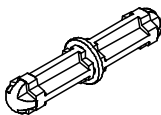
Accessories

100909	1.000
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Tube Connector \varnothing 48,3 mm, galv.

100909	1.000
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Tube Connector \varnothing 48,3 mm, galv.
Shear connection of scaffold tubes \varnothing 48 mm.



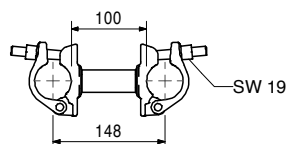
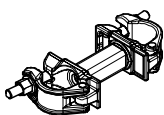
Accessories

100908	1.400
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Tension Coupler \varnothing 48,3 mm, galv.

100750	1.300
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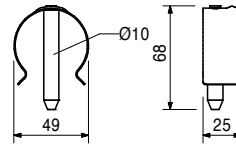
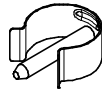
Spacer UEC 10, galv.
For connecting Standards \varnothing 48 mm to external and internal corners.



Item no.	Weight kg
111053	0.059

Locking Pin Ø 48/57

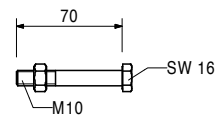
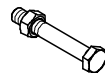
As tension-proof connection of standards with a diameter of 48 up to 57 mm.



100719	0.060
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Bolt ISO 4014 M10 x 70-8.8 MU

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



100330	41.700
100336	50.900
100339	60.200
100185	54.800
100183	64.500
100852	83.600

Latt. Girders Steel ULS

Latt. Girder Steel ULS 50/425

Latt. Girder Steel ULS 50/525

Latt. Girder Steel ULS 50/625

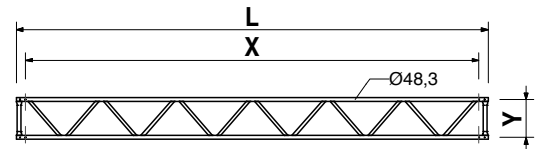
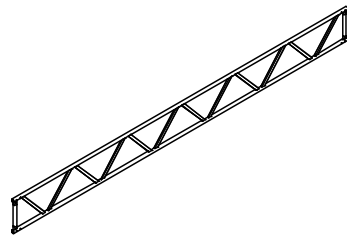
Latt. Girder Steel ULS 70/525

Latt. Girder Steel ULS 70/625

Latt. Girder Steel ULS 70/825

To bridge openings. For system-free application.

L	X	Y
4250	4000	500
5250	5000	500
6250	6000	500
5250	5000	700
6250	6000	700
8250	8000	700



101656	18.400
101657	22.500
101658	26.500
101659	37.400

Latt. Girders Alu ULA

Latt. Girder Alu ULA 50/425 HD

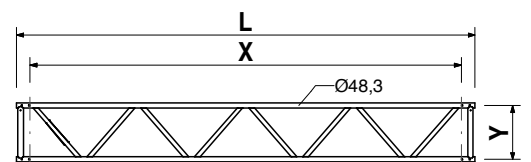
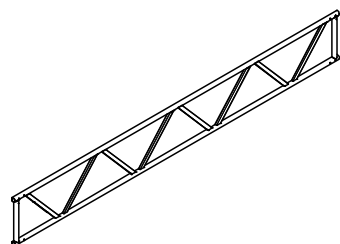
Latt. Girder Alu ULA 50/525 HD

Latt. Girder Alu ULA 50/625 HD

Latt. Girder Alu ULA 70/825 HD

To bridge openings. For system-free application.

L	X	Y
4250	4000	500
5250	5000	500
6250	6000	500
8250	8000	700



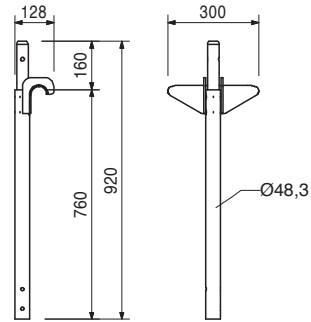
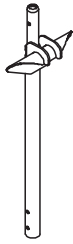
PERI UP Flex Suspended Scaffolds



Item no.	Weight kg
100529	5.260

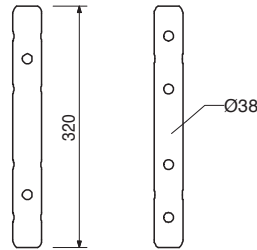
Starter Tube ULB 50/70
For Lattice Girder ULS and ULA.

Note
Only use with system-free girder assembly.



100301	1.020
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Spigot ULT 32
Lose pin for connecting Scaffold Tubes
Ø 48.3 x 3.2 mm, e.g. top standards, lattice girders.



Accessories

111053	0.059
100719	0.060

Locking Pin Ø 48/57
Bolt ISO 4014 M10 x 70-8.8 MU

113832	0.035
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PERI UP Scaffold Tag
To cordon off scaffolding areas not yet authorized for use. With the exception of inserting the PERI UP Assembly Certificate.



Comparison of components

As part of ongoing product optimisation, the following components have been replaced by 2nd generation components.

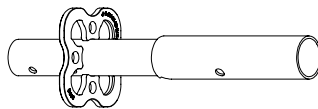
The following comparison tables describe the features of the 1st and 2nd generation.



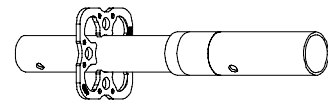
1st and 2nd generation components can be combined.

- The previous components are no longer available as new components.
- The optimised components are available under a new article number.
- There may be a difference between the load-bearing capacity of the individual components in the previous version and the new version.

Base Standard UVB 24 / 49

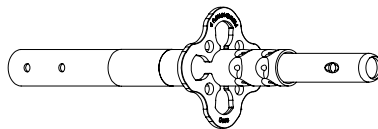


Base Standard UVB 25 / 50

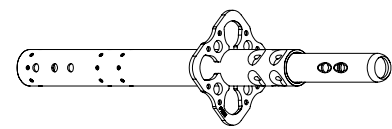


Tube	RO 48.3 mm x 3.6 mm	RO 48.3 mm x 3.6 mm
Rosette	160 mm x 130 mm x 8 mm	152 mm x 120 mm x 6 mm
System height	24 / 49 cm	25 / 50 cm
Combinability	Geometrically and statically combinable in the system.	

Standard UVR

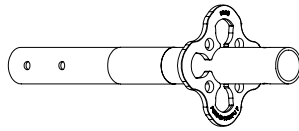


Standard UVR-2

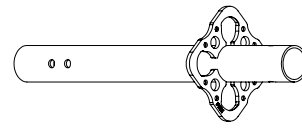


Tube	RO 48.3 mm x 3.2 mm	RO 48.3 mm x 2.7 mm , embossed points on the bottom standard.
Tube-pin connection	2 rows, with 5 pinch points each	2 rows, with 4 pinch points each
Rosette	160 mm x 130 mm x 8 mm	152 mm x 120 mm x 6 mm
Hole for suspended scaffold (see "PERI UP components")	1 hole perm. F up to 20 kN when fixed 1x	2 holes perm. F up to 15 kN when fixed 1x perm. F up to 31 kN when fixed 2x
Marking	none	striped band at the top and bottom
Combinability	Geometrically and statically* combinable in the system. * The standard configurations in the Instructions for Assembly and Use only apply in conjunction with Horizontal Ledgers UH Plus / UH-2 and UHV Plus / UHV-2. * The load tables shown in the Instructions for Assembly and Use for the Heavy-Duty Prop HD and Shoring Tower Plus systems do not apply to use of the Standard UVR-2. Check the statics beforehand!	

Top Standard UVH

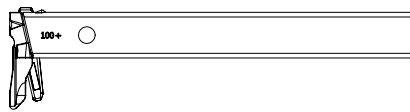


Top Standard UVH-2

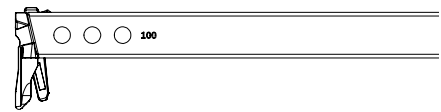


Tube	RO 48.3 mm x 3.2 mm	RO 48.3 mm x 3.2 mm
Rosette	160 mm x 130 mm x 8 mm	152 mm x 120 mm x 6 mm
Hole for suspended scaffold (see "PERI UP components")	1 hole perm. F up to 20 kN when fixed 1x	2 holes perm. F up to 15 kN when fixed 1x perm. F up to 31 kN when fixed 2x
Combinability	Geometrically and statically combinable in the system.	

Horizontal Ledger UH Plus

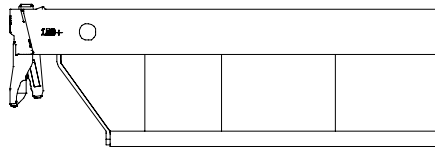


Horizontal Ledger UH-2

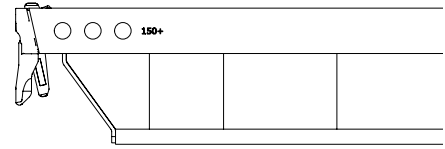


UBL assembly points	2 x 1, for assembly of a Ledger Brace UBL	2 x 3, for assembly of up to three Ledger Braces UBL When installing only one ledger brace preferably use the middle assembly point. Ledger Braces UBL can be mounted at very flat installation angles using the middle assembly point only. Check the geometry beforehand!
Combinability	Geometrically and statically combinable in the system.	

Horizontal Ledger UHV Plus

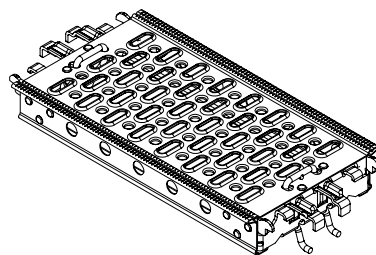


Horizontal Ledger UHV-2

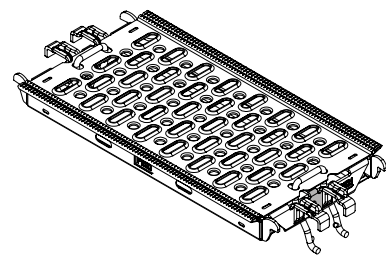


UBL assembly points	2 x 1, for assembly of a Ledger Brace UBL	2 x 3, for assembly of up to three Ledger Braces UBL When installing only one ledger brace preferably use the middle assembly point. Ledger Braces UBL can be mounted at very flat installation angles using the middle assembly point only. Check the geometry beforehand!
Combinability	Geometrically and statically combinable in the system.	

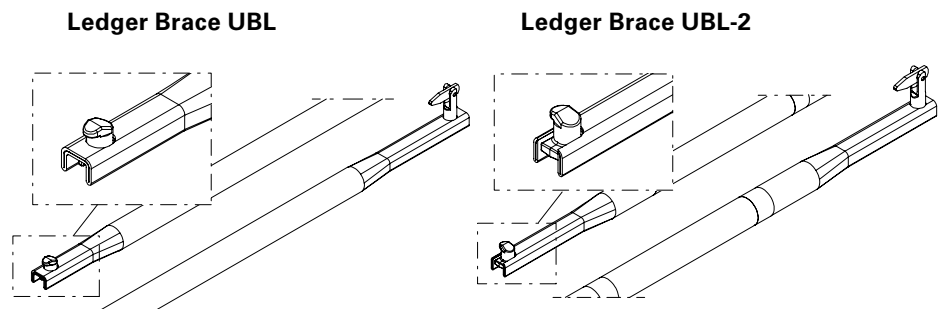
Steel Deck UDG



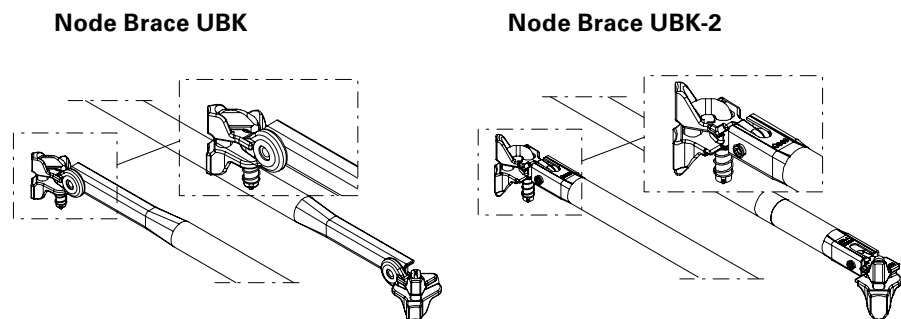
Steel Deck UDG-2



Deck assembly	riveted and welded	welded
Profile height	65 mm, uniform	L 50 – 150: 45 mm L 200 – 250: 60 mm L 300: 70 mm
Marking	without	coloured clip on the front side
Combinability	Geometrically and statically combinable in the system.	



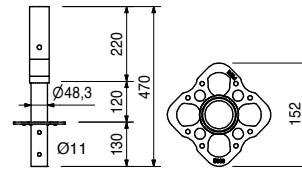
UBL Mounting Lug	points in the longitudinal direction	points in the transverse direction
Combinability	Geometrically and statically combinable in the system.	
Marking	none	Band at the top and bottom
Handling	Tilt in to install.	Swivel in to install (less lateral space required for installation).



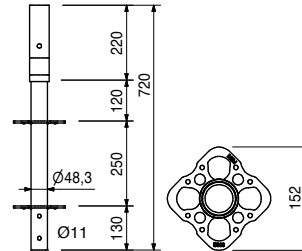
Head piece connected to the diagonal tube	riveted to crimped tube	bolted to cast shaped component
Combinability	Geometrically and statically combinable in the system.	
Marking	none	Band at the top and bottom
Features	Galvanised heads	Yellow-coated heads

Article no. Weight kg

133499 2.270 **Base Standard UVB 25**

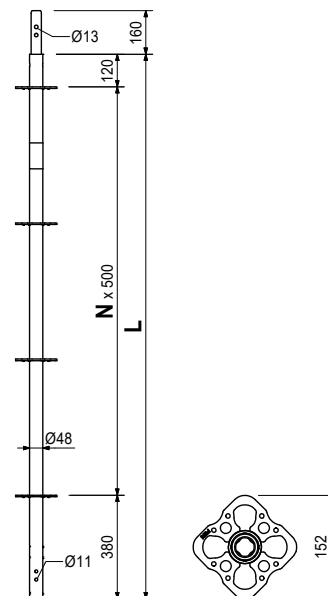
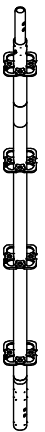


135187 3.590 **Base Standard UVB 50**

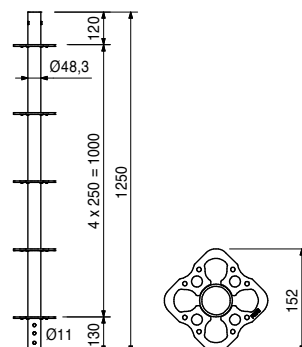
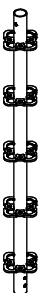


132219	2.480	Standard UVR-2
132224	4.340	Standard UVR-2 50
132229	6.180	Standard UVR-2 100
132234	8.030	Standard UVR-2 150
132239	11.700	Standard UVR-2 200
		Standard UVR-2 300

L
500
1,000
1,500
2,000
3,000



132196 6.060 **Top Standard UVH-2 125**
Without pin for supporting head spindles. Reduces necessary spindle extensions with 25 cm rosette spacing.



Article no. Weight kg

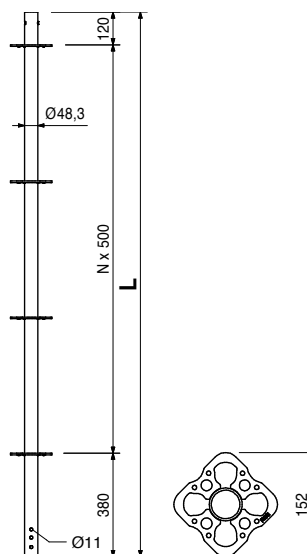
132123	2.090
132194	4.210
132198	6.310
132200	8.420
100002	10.500

Top Standards UVH-2
Top Standard UVH-2 50
Top Standard UVH-2 100
Top Standard UVH-2 150
Top Standard UVH-2 200
Top Standard UVH-2 250

Without pin for supporting head spindles.



L
500
1,000
1,500
2,000
2,500



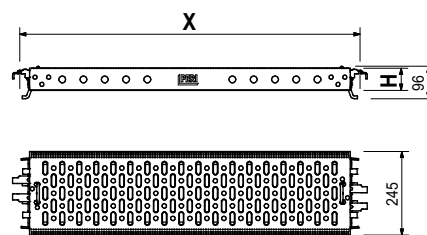
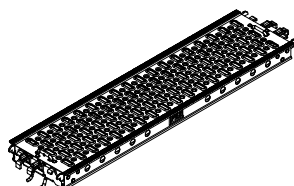
132479	3.340
132483	4.100
132488	4.470
132492	5.590
132502	6.730
132505	7.870
132508	10.500
132511	12.900
132515	15.800

Steel Decks UDG-2 25
Steel Deck UDG-2 25X 50
Steel Deck UDG-2 25X 67
Steel Deck UDG-2 25X 75
Steel Deck UDG-2 25X100
Steel Deck UDG-2 25X125
Steel Deck UDG-2 25X150
Steel Deck UDG-2 25X200
Steel Deck UDG-2 25X250
Steel Deck UDG-2 25X300

X	perm. p [kN/m ²]	H
500	6.0	45
670	6.0	45
750	6.0	45
1,000	6.0	45
1,250	6.0	45
1,500	6.0	45
2,000	6.0	60
2,500	4.5	60
3,000	3.0	70

Note

Values correspond with EN 12811-1

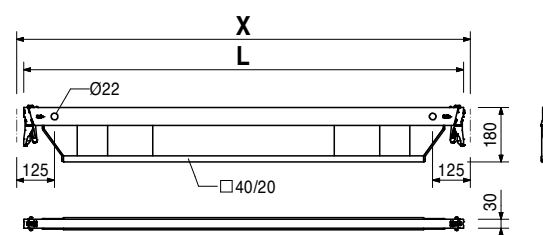
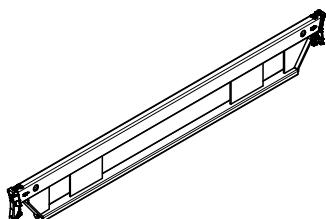


137020	9.410
137025	12.700
137030	15.200
137035	18.500

Horizontal Ledger UHV-2
Horizontal Ledger UHV-2 150
Horizontal Ledger UHV-2 200
Horizontal Ledger UHV-2 250
Horizontal Ledger UHV-2 300

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

L	X
1,454	1,500
1,954	2,000
2,454	2,500
2,954	3,000



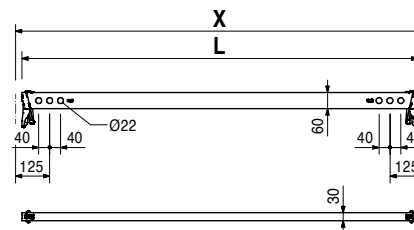
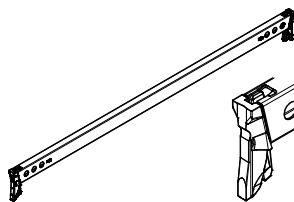
Article no. Weight kg

Article no.	Weight kg	Horizontal Ledger UH-2
131995	1.40	Horizontal Ledger UH-2 25
133900	1.50	Horizontal Ledger UH-2 33
131998	2.03	Horizontal Ledger UH-2 50
133903	2.48	Horizontal Ledger UH-2 67
132213	2.69	Horizontal Ledger UH-2 75
132004	3.79	Horizontal Ledger UH-2 100
132007	4.58	Horizontal Ledger UH-2 125
132010	4.68	Horizontal Ledger UH-2 150
132013	5.34	Horizontal Ledger UH-2 175
132016	6.00	Horizontal Ledger UH-2 200
132019	6.66	Horizontal Ledger UH-2 225
132025	7.32	Horizontal Ledger UH-2 250
132022	8.65	Horizontal Ledger UH-2 300

L	X
204	250
284	330
454	500
624	670
704	750
954	1,000
1,204	1,250
1,454	1,500
1,704	1,750
1,954	2,000
2,204	2,250
2,454	2,500
2,954	3,000

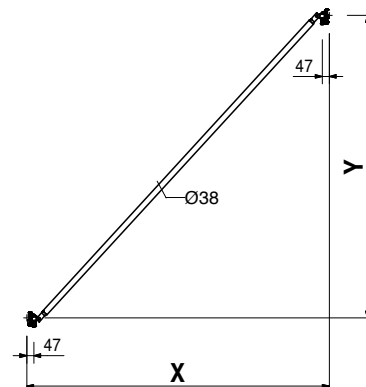
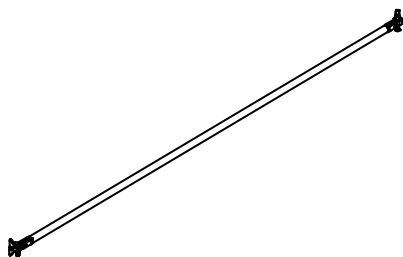
Note

With length marking for easier identification.



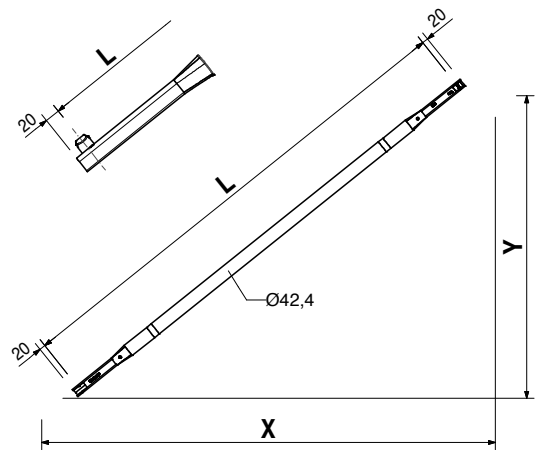
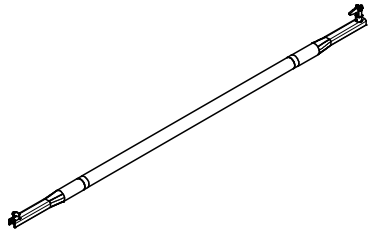
Article no.	Weight kg	Node Brace UBK-2
133418	4.96	Node Brace UBK-2 75/200
133421	5.11	Node Brace UBK-2 100/200
133424	3.88	Node Brace UBK-2 125/100
133427	5.30	Node Brace UBK-2 125/200
133430	4.22	Node Brace UBK-2 150/100
133433	4.82	Node Brace UBK-2 150/150
133436	5.53	Node Brace UBK-2 150/200
133439	4.97	Node Brace UBK-2 200/100
133442	5.47	Node Brace UBK-2 200/150
133445	6.08	Node Brace UBK-2 200/200
133448	5.77	Node Brace UBK-2 250/100
133451	6.19	Node Brace UBK-2 250/150
133454	6.72	Node Brace UBK-2 250/200
133457	6.60	Node Brace UBK-2 300/100
133460	6.96	Node Brace UBK-2 300/150
133463	7.42	Node Brace UBK-2 300/200

L	X	Y
2,190	750	2,000
2,285	1,000	2,000
1,625	1,250	1,000
2,401	1,250	2,000
1,821	1,500	1,000
2,152	1,500	1,500
2,539	1,500	2,000
2,246	2,000	1,000
2,521	2,000	1,500
2,860	2,000	2,000
2,696	2,500	1,000
2,930	2,500	1,500
3,226	2,500	2,000
3,131	3,000	1,000
3,356	3,000	1,500
3,625	3,000	2,000



Article no. Weight kg

Article no.	Weight kg		L	X	Y
		Ledger Braces UBL-2			
132771	2.12	Ledger Brace UBL-2 100/ 50	901	1,000	500
132773	2.81	Ledger Brace UBL-2 100/100	1,250	1,000	1,000
132775	3.66	Ledger Brace UBL-2 100/150	1,677	1,000	1,500
132777	4.58	Ledger Brace UBL-2 100/200	2,136	1,000	2,000
132779	3.01	Ledger Brace UBL-2 150/ 50	1,347	1,500	500
132781	3.51	Ledger Brace UBL-2 150/100	1,601	1,500	1,000
132783	4.21	Ledger Brace UBL-2 150/150	1,953	1,500	1,500
132785	5.02	Ledger Brace UBL-2 150/200	2,358	1,500	2,000
132787	5.31	Ledger Brace UBL-2 175/200	2,500	1,750	2,000
132789	3.95	Ledger Brace UBL-2 200/ 50	1,820	2,000	500
132791	4.34	Ledger Brace UBL-2 200/100	2,016	2,000	1,000
132793	4.92	Ledger Brace UBL-2 200/150	2,305	2,000	1,500
132795	5.62	Ledger Brace UBL-2 200/200	2,658	2,000	2,000
132797	4.43	Ledger Brace UBL-2 225/ 50	2,062	2,250	500
132808	4.78	Ledger Brace UBL-2 225/100	2,236	2,250	1,000
132810	5.96	Ledger Brace UBL-2 225/200	2,829	2,250	2,000
132812	5.23	Ledger Brace UBL-2 250/100	2,462	2,500	1,000
132814	5.71	Ledger Brace UBL-2 250/150	2,705	2,500	1,500
132816	6.32	Ledger Brace UBL-2 250/200	3,010	2,500	2,000
132827	5.90	Ledger Brace UBL-2 300/ 50	2,795	3,000	500
132829	6.16	Ledger Brace UBL-2 300/100	2,926	3,000	1,000
132831	6.57	Ledger Brace UBL-2 300/150	3,133	3,000	1,500
132833	7.10	Ledger Brace UBL-2 300/200	3,400	3,000	2,000



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