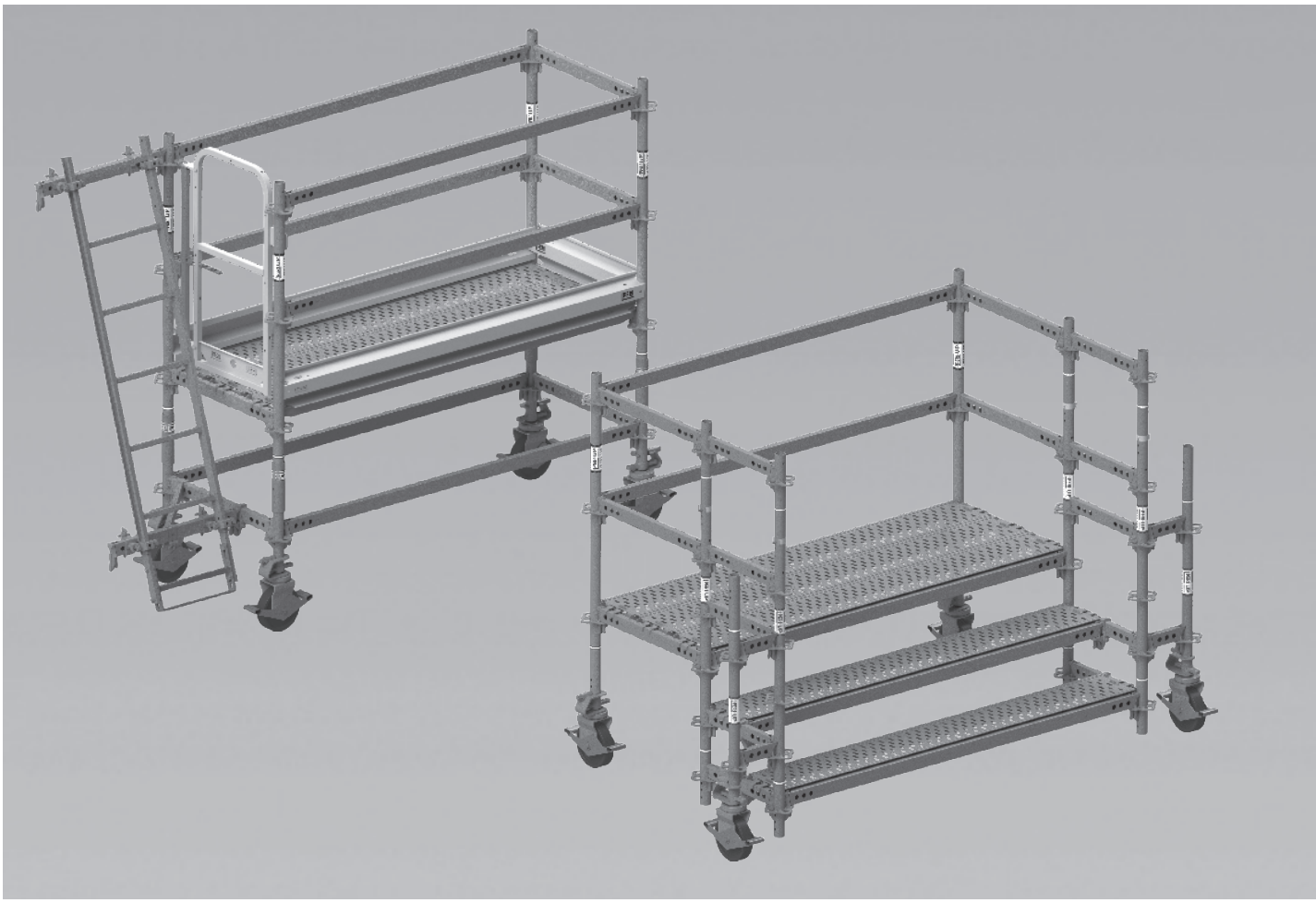
PERI UP Flex
Mobile scaffolds

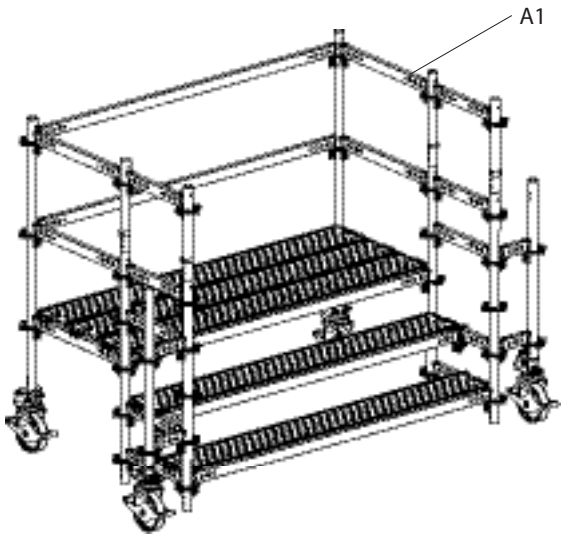
Instructions for Assembly and Use – Standard configuration – Version 2.1

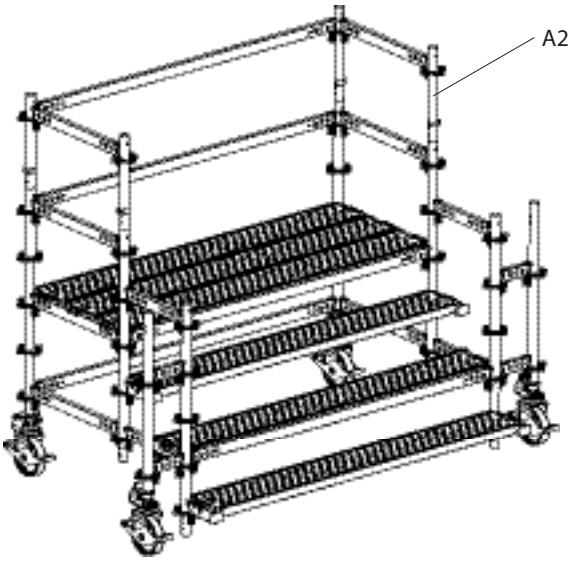


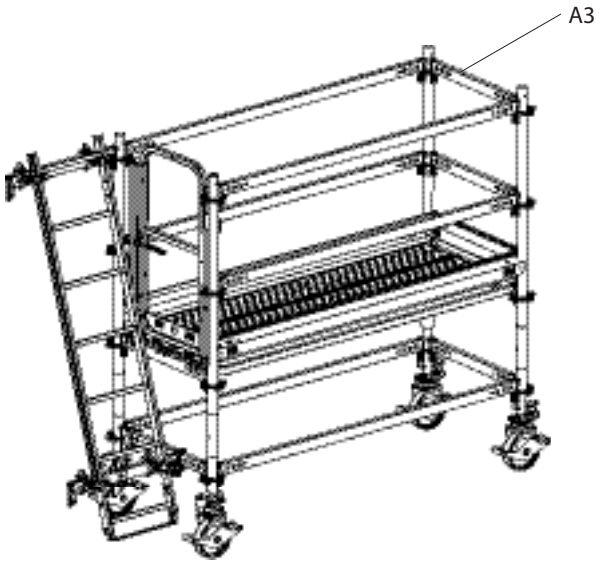
Content

Overview

Variants







Key

Pictogram | Definition

 Danger/Warning/Caution

 Note

 To be complied with

 Load-bearing point

 Visual inspection

 Tip

 Incorrect use

 Safety helmet

 Safety shoes

 Safety gloves

 Safety goggles

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

 Observe additional documentation

Arrows

→ Arrow representing an action

⇨ Arrow representing a reaction of an action*

→ Arrow representing forces

* If not identical to the action arrow.

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

 Danger
This sign indicates an extremely hazardous situation which, if not avoided, will result in death or serious, irreversible injury.

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

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

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

Format of the safety instructions

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

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

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

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

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

Terminology
Components are not always named in full so that they are easier to read. All components deemed valid according to the program overview may be used.
Exceptions are specified.

Example:
– Horizontal ledger
corresponds to:
– Horizontal Ledger UH Plus
– Horizontal Ledger UH–2.

Target groups

Contractors
These Instructions for Assembly and Use are designed for contractors who either

- assemble, modify and dismantle PERI systems, or
- use them, e.g. for concreting, or
- allow them to be used for other operations, e.g. carpentry or electrical work.

Safety and Health Protection Coordinator*

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

Competent person

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

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

Qualified personnel
PERI systems may only be assembled, modified or dismantled by personnel who are suitably qualified to do so. Qualified personnel must have completed a course of training** in the work to be performed, covering the following points at least:

- Explanation of the plan for the assembly, modification or dismantling of the system in an understandable form and language.
- Description of the measures for safely assembling, modifying or dismantling the system.
- Naming of the preventive measures to be taken to avoid the risk of persons and objects falling.
- Designation of the safety precautions in the event of changing weather conditions that could adversely affect the safety of the system, as well as the personnel concerned.
- Details regarding permissible loads.
- Description of all other risks and dangers associated with assembly, modification or dismantling operations.

- Ensure that the relevant national guidelines and regulations are complied with!
- If no country-specific regulations are available, it is recommended to proceed according to German guidelines and regulations.

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

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

Product description

Regular assembly
These Instructions for Assembly and Use describe the standard assembly procedure for the PERI UP Flex Mobile Scaffolds.

PERI products have been designed to be used exclusively in industrial and commercial sectors by suitably trained personnel only.

The system is based on PERI UP Flex Modular Scaffold with supplementary components.

The system is designed for two workers and materials, for example one SKYMAX Panel SXP 200x100 with a total weight of 300 kg.

Permissible working wind load:
$q = 0.15$ kN/m^2 ($v = 15.5$ m/s)

The access routes on the construction site must be free of obstacles, tripping hazards, ledges and height off-sets.

The access routes must be level, have sufficient load-bearing capacity and be slip-resistant.

System dimensions
Mobile working platforms:
Platform height: 74.5 cm or 99.5 cm
Base area: 75 cm x 200 cm
Scaffold width: 265 cm
System height: 179 cm or 204 cm
System depth: 140 cm or 157 cm

Mobile scaffolds:
Platform height: 99.5 cm or 149.5 cm
Base area: 75 cm x 200 cm
Scaffold width: 280 cm
System height: 204 cm or 254 cm
System depth: 90 cm

Intended use
- Use as a small, mobile work platform or working scaffold for providing a safe working area.
- PERI products have been designed to be used exclusively in industrial and commercial sectors by suitably trained personnel only.

Foreseeable misapplications
- Transportation of persons and loads
- Accessing the platform when the brakes are not actuated.
- Use of additional landing platforms, access means, platform extensions on the mobile scaffold or mobile working platform.
- Raising the mobile scaffold or mobile working platform by propping it up.
- Discharge of loads not permitted by the system.
- Assembly, use and disassembly in an orientation, position or location not specified or shown in the standard assembly.

Cleaning and maintenance instructions

In order to maintain the value and operational readiness of the materials over the long term, clean the panels after each use.

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

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

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

is available and used as intended.

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

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

Do not spray work platforms and access routes with concrete release agent.
Slip hazard.

Never clean powder-coated components, e.g. elements and accessories, with a steel brush or hard metal scraper; this ensures that the powder coating remains intact.

Clean mechanical components to remove dirt or concrete residues before and after use and grease them with suitable lubricants.
Do not grease the spindles.

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

Do not clean components suspended on crane lifting gear.

Additional technical documentation

- Assembly Instructions
  - PERI UP Scaffolding Kit core components
- Approval
  - Approval Z-8.22-863 PERI UP Flex module system

Instructions for Use

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

Deviations from the standard configuration must be verified for the application by means of separate strength and stability calculations and explicitly reflected in the assembly instructions.

All components listed in the program overview may be used for assembly. Other components are not permitted. Exceptions are named or must be planned and verified on a project-specific basis.

The use of other products and spare parts is not allowed.

Changes to PERI components are not permitted.

The system described in these Instructions for Assembly and Use may contain patent-protected components.

Components

Pos. no.	Component name	Article no.
1	Top Standard UVH-2 125	132196
2	Top Standard UVH-2 50	132123
3	Top Standard UVH-2 100	132194
4	Top Standard UVH-2 150	132198
5	Connector ULT 32	100301
6	Locking pin Ø 48/57	111053
7	Base Standard UVB 25	133499
8	Top Standard UVH-2 200	132200
10	Castor UEW 12 with spindle	101860
12	Horizontal Ledger UH-2 50	131998
13	Horizontal Ledger UH-2 25	131995
14	Horizontal Ledger UH-2 75	132213

Pos. no.	Component name	Article no.
15	Horizontal Ledger UH-2 200	132016
21	Support UC 25	115959
22	Ledger-to-ledger Coupler UHA-2	136582
23	Steel Deck UDG-2 25 x 200	132508
24	Spindle Locking UJS	100863
25	Ladder Connector Ledger UAM-S	134520
26	Ladder Connector Diagonal UAD	134512
27	Ladder 180/6, galv.	051410
28	Ladder base, galv.	051460
29	Steel Toe Board UPY 200	110176
30	Steel Toe Board UPY 75	110514
31	Safety Entry Gate UPS 75	125672

Cross-system

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

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

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

Observe and comply with the safety instructions and permissible loads.

For the application and inspection of PERI products, observe the current laws and regulations in force in the respective countries.

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

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.

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

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

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

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

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

Nails and wood screws must not protrude. Only allow other connecting components to protrude to the extent that is necessary.
If necessary, mark protruding components or fit them with protective material.
Secure all bolts with cotter pins and all screws with nuts

Before and after extraordinary events that may have damaging effects on the safety of the system, the contractor must immediately
- produce another risk assessment, the results of which must be used to implement suitable measures to ensure the stability of the system,
- arrange for an extraordinary inspection to be carried out by a competent person qualified to do so. The aim of this inspection is to detect and repair damage in good time in order to ensure the safe use of the system.

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

Suitable measures could be:
- removing nets/tarpaulin,
- clearing snow and ice,
- reducing live loads,
- securing loose materials.

Assembly, modification and dismantling work
PERI systems may only be assembled, modified or dismantled under the supervision of a person qualified to do so and by technically suitable employees. The qualified personnel must have received appropriate training for the work to be carried out with regard to specific risks and dangers.

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

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

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

is available and used as intended.

For work at a higher level, use an approved ladder or platform system, or an assembly scaffold.

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

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

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

If the 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 then be coordinated.

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

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

System-specific

Use

- It must be ensured that the scaffold cannot shift in a horizontal direction when the brakes are actuated, irrespective of what substrate is being used.
- Only release brakes to move the mobile scaffold.
- It is forbidden for persons to ride on the mobile scaffold.
- Move the mobile scaffold with caution, eliminate unevenness and remove obstacles in the roadway, or circumvent them carefully.
- Do not use the mobile scaffold as a storage area.
- The safety entry gate closes automatically. Do not disable the mechanism.
- When working outdoors, be aware of the increased risk of a lightning strike due to the elevated position.
- Keep a safe distance from any exposed live cables.
- Be mindful of the increased risk of slipping in rain, snow, ice and dirt on the ascent and deck level.
- Avoid wetting the equipment unintentionally with formwork oil, e.g. by spraying it.
- Secure the mobile scaffold in standby mode or dismantle it to prevent toppling and unintentional horizontal movement.

Assembly

- The erection surface must be level and must have sufficient load-bearing capacity.
- Couplings with screw closures must be tightened with 50 Nm. This corresponds to a force of 20 kg using a lever arm length of 25 cm.
- Hammer the wedges with a 500 g hammer with a jarring blow.

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

Storage and transportation

General information
- Store and transport components in such a way that no unintentional change in their position is possible. Detach load-lifting accessories and lifting gear from the lowered components only if they are in a stable position and no unintentional change is possible.
- Do not drop the components.
- Only ever use approved and inspected means of transportation from PERI including lashing, lifting gear and slings.
- Only attach the means of transport to the intended attachment points using suitable lifting gear and slings.

During the relocation procedure
- ensure that components are picked up and set down in such a way that unintentional falling over, falling apart, sliding, falling down or rolling is avoided.
- always use ropes to guide components or assemblies that are susceptible to wind when moving them with a crane.
- no one is allowed to remain under the suspended load.
- the access areas on the construction site must be free of obstacles and tripping hazards and must also be slip-resistant.
- the substrate must be able to sufficiently bear loads for transport.
- if possible, use original PERI storage and transport systems, e.g. crate pallets, pallets or stacking devices.

A1 Mobile working platform (height 0.75 m)

Frame assembly

2 frames are required for the mobile working platform. Assemble the frame once as shown and once as a mirror image.

Components

1	Top Standard UVH-2 125	4x
2	Top Standard UVH-2 50	4x
3	Top Standard UVH-2 100	2x
4	Top Standard UVH-2 150	2x
5	Spigot ULT 32	4x
6	Locking Pin Ø 48/57	8x
10	Castor UEW 12 with Spindle	4x
12	Horizontal Ledger UH–2 50	10x
13	Horizontal Ledger UH–2 25	4x
14	Horizontal Ledger UH–2 75	6x
24	Spindle Locking UJS	4x

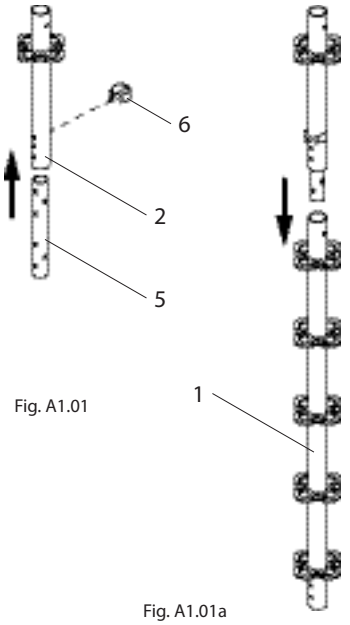


Fig. A1.01

Fig. A1.01a

Assembly

1. Connect Top Standards UVH-2 50 (2) to Connector ULT 32 (5) and locking pin Ø 48/57 (6). (Fig. A1.01)
2. Insert the assembly into Top Standard UVH-2 125 (1). (Fig. A1.01a)
3. Build the frames from top standards (1 / 2 / 4) and horizontal ledgers (12 / 14) as shown in the illustration. (Fig. A1.02)

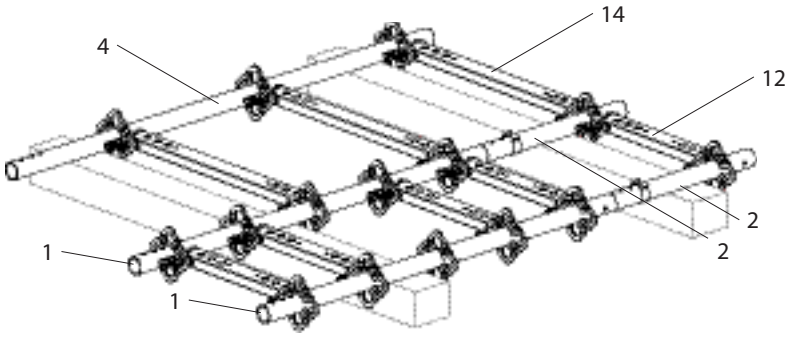


Fig. A1.02

4. Fit Top Standard UVH-2 100 (3) upside down on the front top standard (1) with 2 Horizontal Ledgers UH-2 25 (13).
5. Insert Castors UEW 12 with a spindle (10) into the top standards according to the illustration.
   – Spindle extension 0 cm.
6. Fit 2 x Spindle Locking UJS (24). (Fig. A1.03)
7. Lock the brakes on the castors.

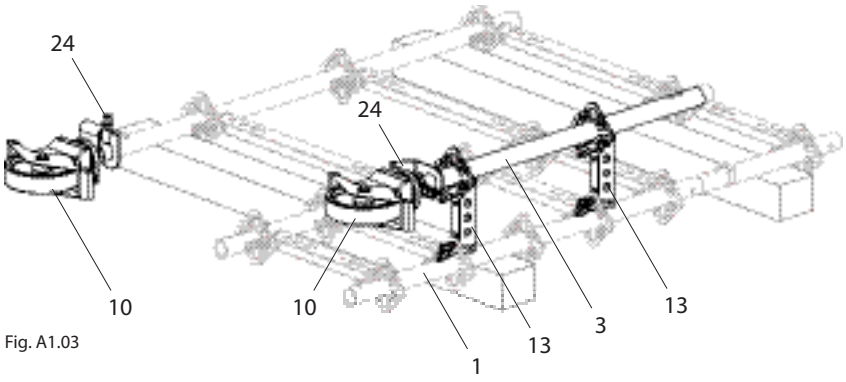


Fig. A1.03

Support the verticals with squared timber (8 - 10 cm) to facilitate assembly of the castors.

Horizontal ledger assembly

Components

15	Horizontal Ledger UH–2 200	8x
22	Ledger-to-Ledger Coupler UHA-2	4x

Assembly

1. Erect the first frame and secure it to prevent it from falling over with Horizontal Ledger UH-2 200 (15).
2. Erect the second frame and connect it to the horizontal ledger. (Fig. A1.04)

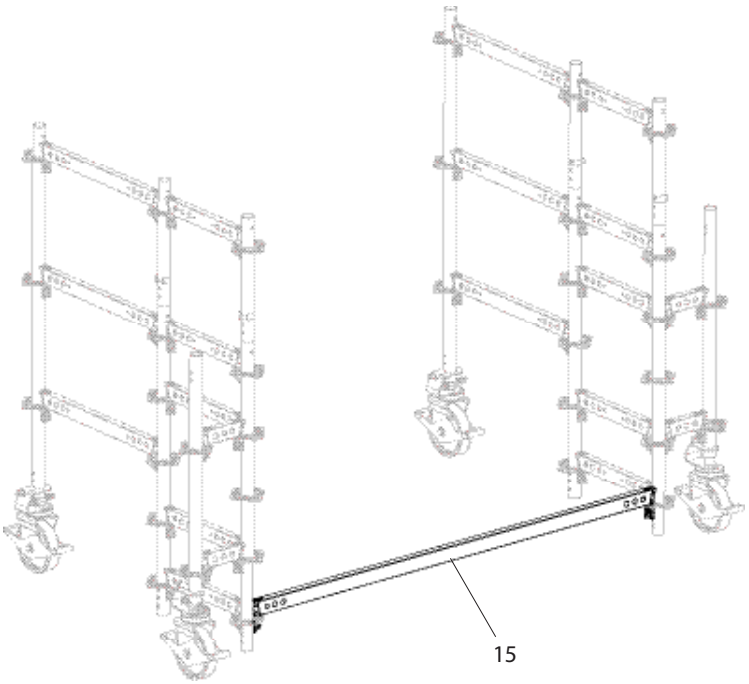


Fig. A1.04

3. Fit additional horizontal ledgers (15a).
4. To prevent the deck from shifting sideways, fit Ledger-to-Ledger Couplers UHA-2 (22) and additional Horizontal Ledgers UH-2 200 (15b), for example. (Fig. A1.05)

Alternatively:

Prevent the decks from shifting sideways using other means.

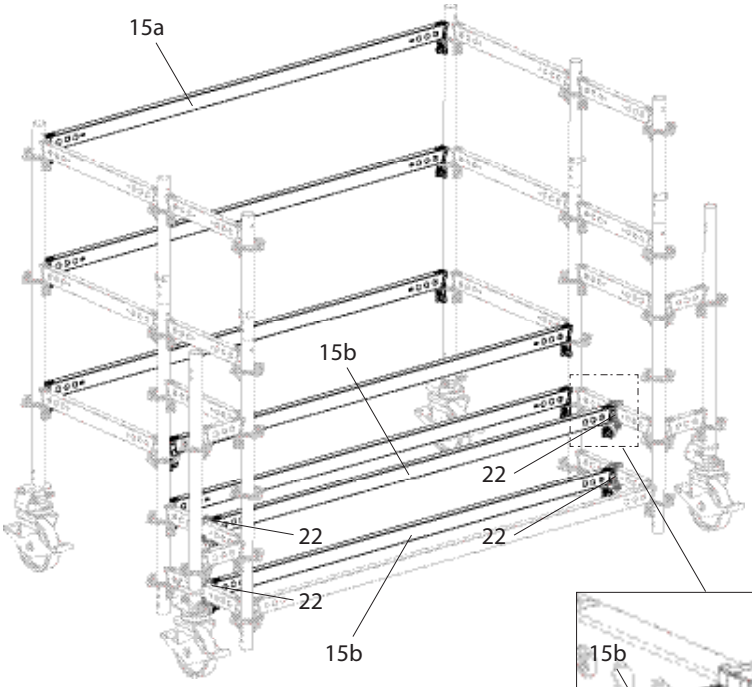


Fig. A1.05

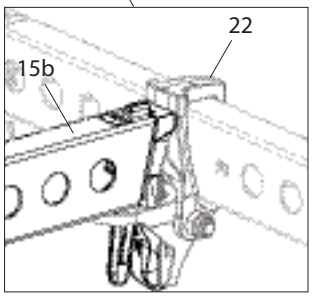


Fig. A1.05a

Deck assembly

Components

23	Steel Deck UDG–2 25 x 200	5x

Assembly

1. Insert Steel Decks UDG-2 (23).
   → Lift lock devices drop beneath the UH ledgers and secure the deck. (Fig. A1.06)

→ The mobile working platform is fully assembled.

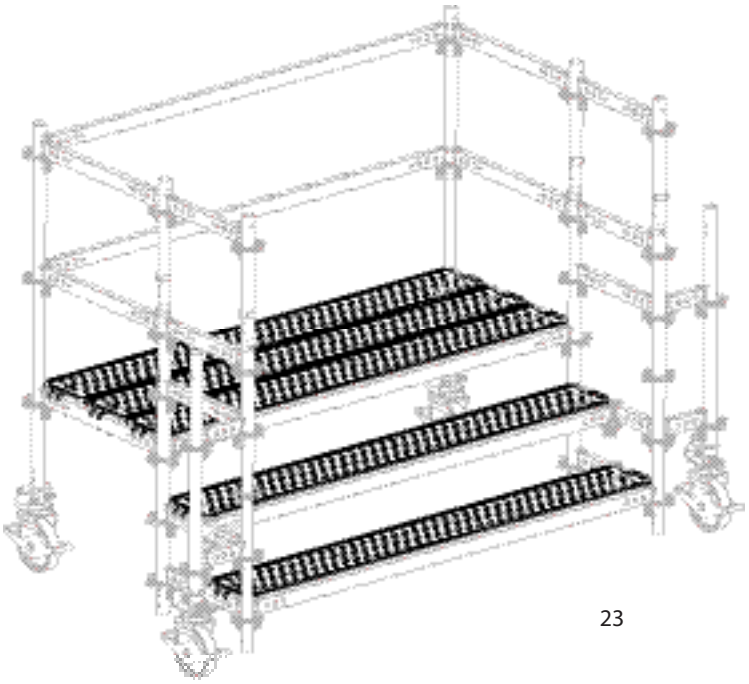


Fig. A1.06

Frame Assembly

2 frames are required for the mobile working platform. Assemble the frame once as shown and once as a mirror image.

Components

1	Top Standard UVH-2 125	6x
2	Top Standard UVH-2 50	4x
3	Top Standard UVH-2 100	2x
5	Spigot ULT 32	4x
6	Locking Pin Ø 48/57	4x
10	Castor UEW 12 with Spindle	4x
12	Horizontal Ledger UH–2 50	4x
13	Horizontal Ledger UH–2 25	4x
14	Horizontal Ledger UH–2 75	8x
21	Support UC 25	4x
24	Spindle Locking UJS	4x

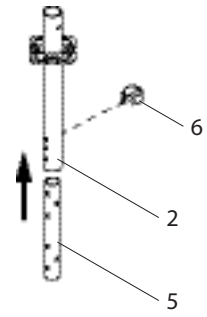


Fig. A2.01

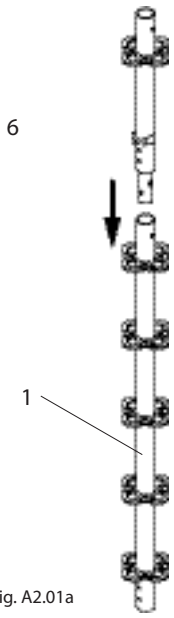


Fig. A2.01a

Assembly

1. Connect Top Standards UVH-2 50 (2) to Connector ULT 32 (5) and locking pin Ø 48/57 (6). (Fig. A2.01a)
2. Insert the assembly into Top Standard UVH-2 125 (1). (Fig. A2.01a)
3. Build the frames from top standards (1 / 2 / 4) and horizontal ledgers (12 / 14) as shown in the illustration. (Fig. A2.02)

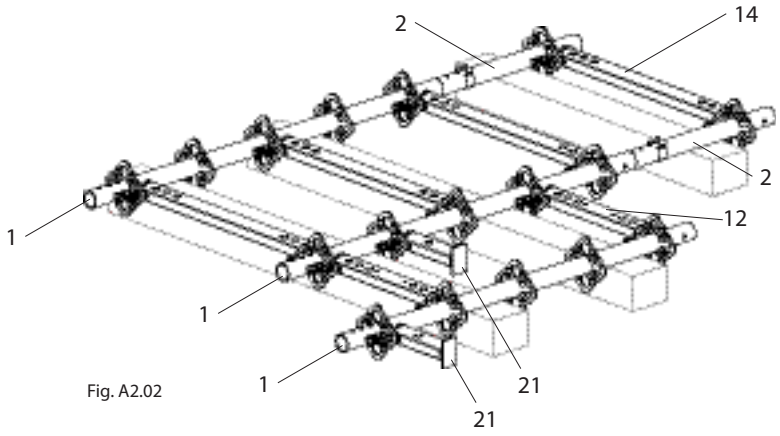


Fig. A2.02

4. Fit Top Standard UVH-2 100 (3) upside down on the front top standard (1) with 2 Horizontal Ledgers UH-2 25 (13).
5. Insert Castors UEW 12 with a spindle (10) into the top standards according to the illustration.
   – Spindle extension 0 cm.
6. Fit 2 x Spindle Locking UJS (24).
7. Lock the brakes on the castors.

(Fig. A2.03)

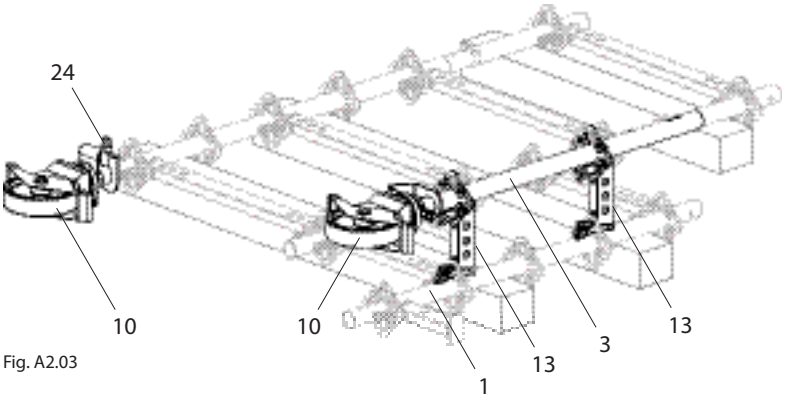


Fig. A2.03

Support the verticals with squared timber (8 - 10 cm) to facilitate assembly of the castors.

Horizontal ledger assembly

Components

15	Horizontal Ledger UH–2 200	9x
22	Ledger-to-Ledger Coupler UHA-2	2x

Assembly

1. Erect the first frame and secure it to prevent it from falling over with Horizontal Ledger UH-2 200 (15).
2. Erect the second frame and connect it to the horizontal ledger. (Fig. A2.04)

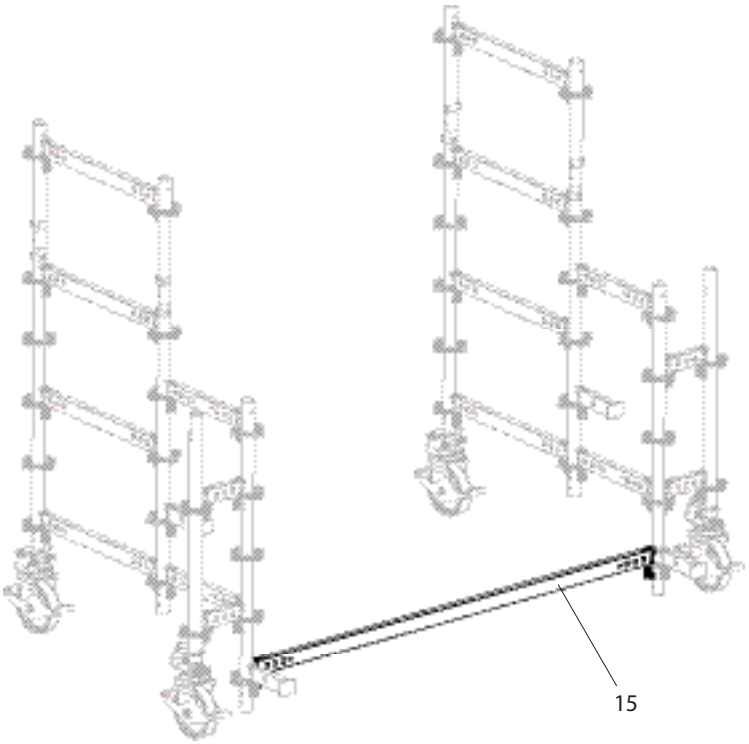


Fig. A2.04

3. Fit additional horizontal ledgers (15a). (Fig. A2.05)
4. To prevent the deck from shifting sideways, fit Ledger-to-Ledger Couplers UHA-2 (22) and additional Horizontal Ledgers UH-2 200 (15b), for example. (Fig. A2.05)

Alternatively:

Prevent the deck from shifting sideways using other means.

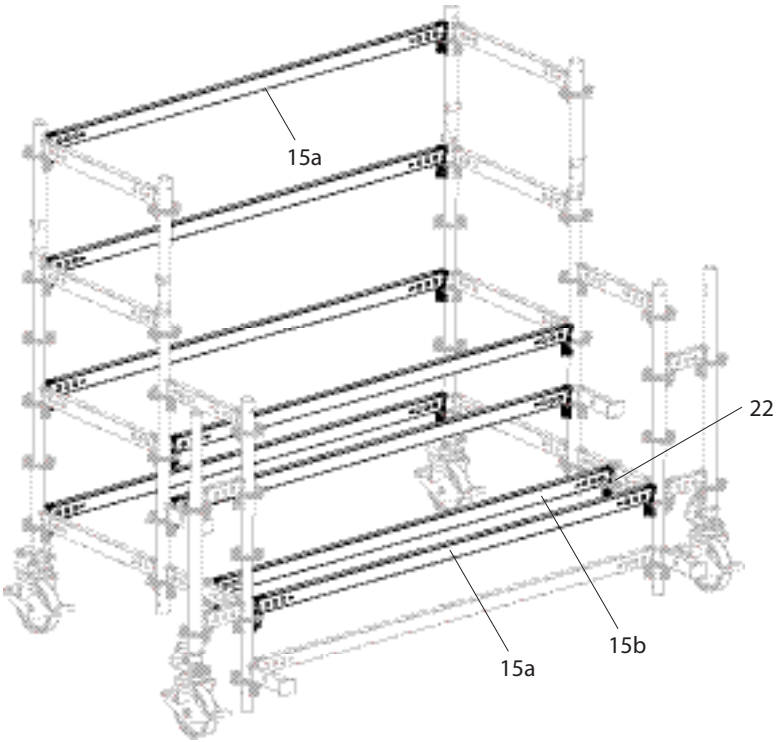


Fig. A2.05

Deck assembly

Components

23	Steel Deck UDG–2 25 x 200	6x

Assembly

1. Insert Steel Decks UDG-2 (23).
   → Lift lock devices drop beneath the UH ledgers and secure the deck. (Fig. A2.06)

→ The mobile working platform is fully assembled.

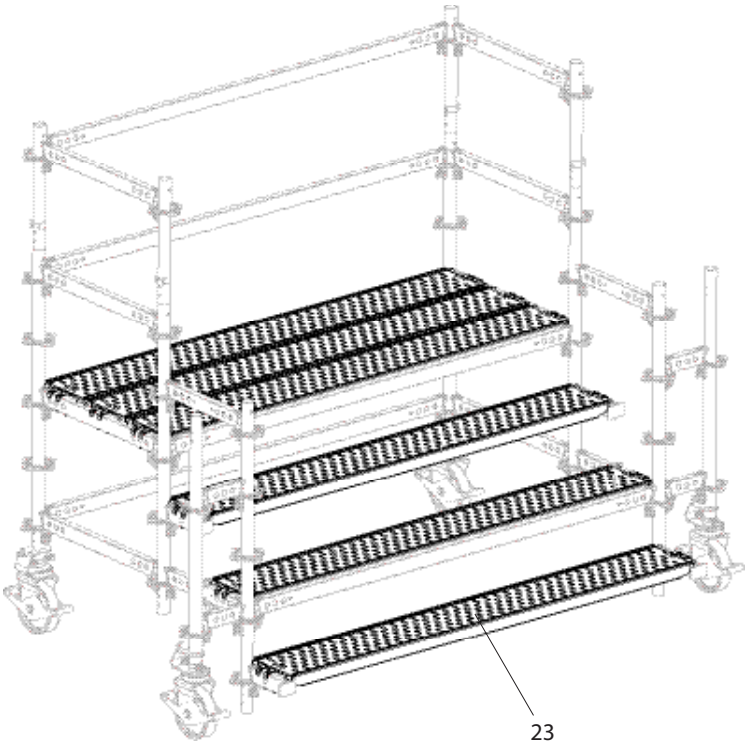


Fig. A2.06

A3 Mobile scaffold (height 1.00 m)

General information

- Carry out assembly on a level substrate.
- Lock all castors.

Components

4	Top Standard UVH-2 150	4x
6	Locking Pin Ø 48/57	4x
7	Base Standard UVB 25	4x
10	Castor UEW 12 with Spindle	4x
14	Horizontal Ledger UH–2 75	7x
15	Horizontal Ledger UH–2 200	6x
23	Steel Deck UDG–2 25 x 200	3x
24	Spindle Locking UJS	4x
25	Ladder Connector Ledger UAM-S	2x

Assembly of the base frame

1. Assemble the base standards (7) with horizontal ledgers (14 + 15) to form a frame.
2. Raise the frame and insert the castors (10) into the base standards.
3. Secure the castors with spindle locking (24) to prevent them from falling out. (Fig. A3.01)

Auxiliary decks

1. Insert the existing Steel Decks UDG-2 (23) into the base level as auxiliary decks (Fig. A3.02).

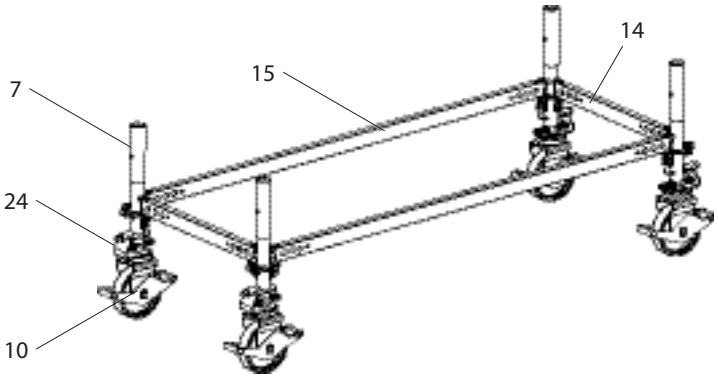


Fig. A3.01

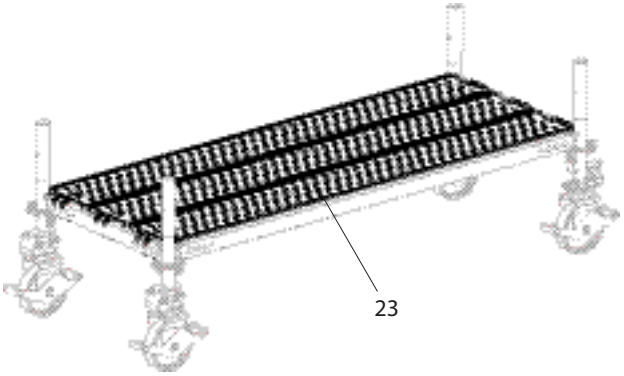


Fig. A3.02

Assembly of verticals and ledgers

1. Insert Top Standards UVH-2 150 (4) into the base standards. (Fig. A3.03)

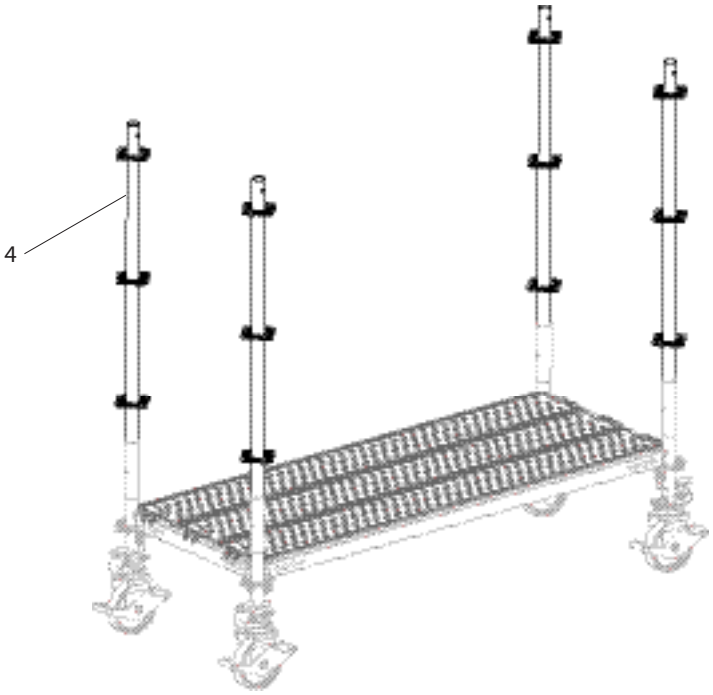


Fig. A3.03

2. Connect Top Standards UVH-2 150 to Horizontal Ledgers UH-2 200 (15) and UH-2 75 (14). Secure the wedges.
3. Pre-mount 2x Ladder Connectors UAM-S (25) on Horizontal Ledger UH-2 75 (14a) to reflect the distance between the ladder rails.
4. Fit the pre-assembled Horizontal Ledger UH-2 75 (14a). (Fig. A3.04)

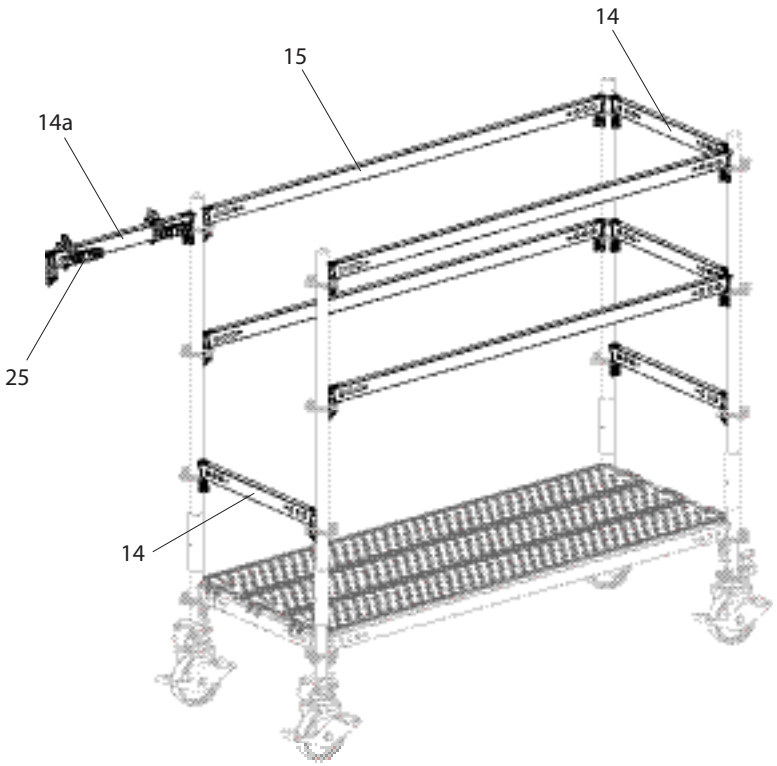


Fig. A3.04

Platform

- Always install the safety entry gate so that it only opens into the safe area.
- Safety entry gate must be securely supported by the striking plate (31.1) on the opposite standard.

Components

14	Horizontal Ledger UH–2 75	1x
22	Ledger-to-Ledger Coupler UHA-2	1x
25	Ladder Connector Ledger UAM-S	2x
26	Ladder Connector Diagonal UAD	1x
27	Ladder 180/6, galv.	1x
28	Ladder base, galv.	1x
29	Steel Toe Board UPY 200	2x
30	Steel Toe Board UPY 75	1x
31	Safety Entry Gate UPS 75	1x

Assembly

1. Move the Steel Decks UDG-2 (23) to platform height. Lift locks (23.1) must engage beneath the horizontal ledgers (14). (Fig. A3.05)
2. Fit the Toe Boards UPY (29 + 30) on 3 sides.
3. Install the Safety Entry Gate UPS 75 (31) with wedge (31.2) and suspension bracket (31.3) on the rosettes of the standard.
4. Secure the wedge.
5. Check that the self-closing function works properly. (Fig. A3.06)

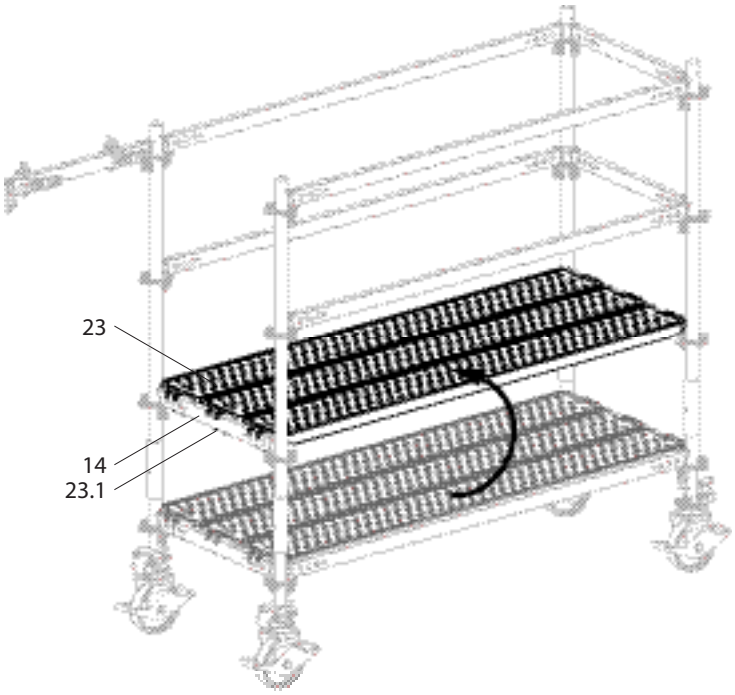


Fig. A3.05

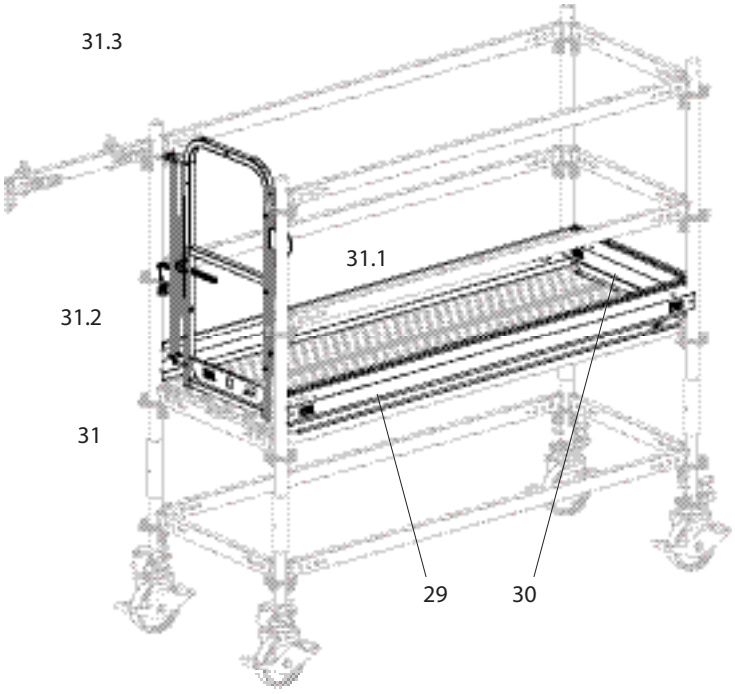


Fig. A3.06

Ladder access assembly

1. Attach Ledger-to-Ledger Coupler UHA (22) to Horizontal Ledger UH-2 75 (14).
2. Brace the horizontal ledger with Ladder Connector Diagonal UAD (26).
3. Fit the Ladder Connector Ledger UAM-S (25) to reflect the distance between the ladder rails.
4. Completely unscrew one screw (25.1) from each of the tube clamping parts (25.2). Open the second screw far enough that the ladder stile can be placed. (Fig. A3.07)

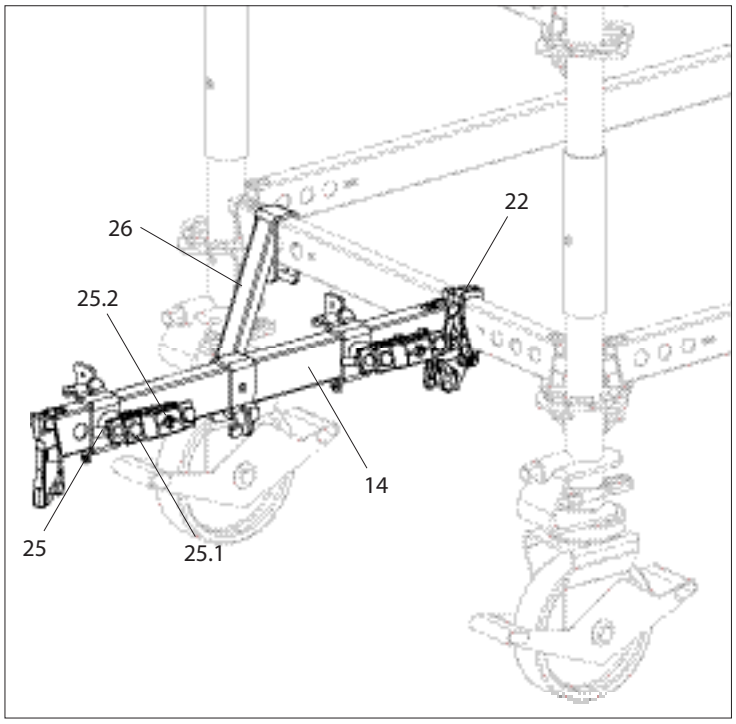


Fig. A3.07

5. Insert ladder 180/6 (27) with rails into the tube clamping parts.
6. Swivel the tube clamping parts upwards and tighten with screws.
7. Screw the ladder base (28) onto the ladder at the required height. (Fig. A3.08)

→ The mobile scaffold is fully assembled.

- If wind loads exceed the permissible working wind level of q = 0.15 kN/m² (v = 15.5 m/s), then 2x Steel Decks UDG-2 must also be installed in the base level as ballast or ballast girders. Verification must be carried out separately for this.

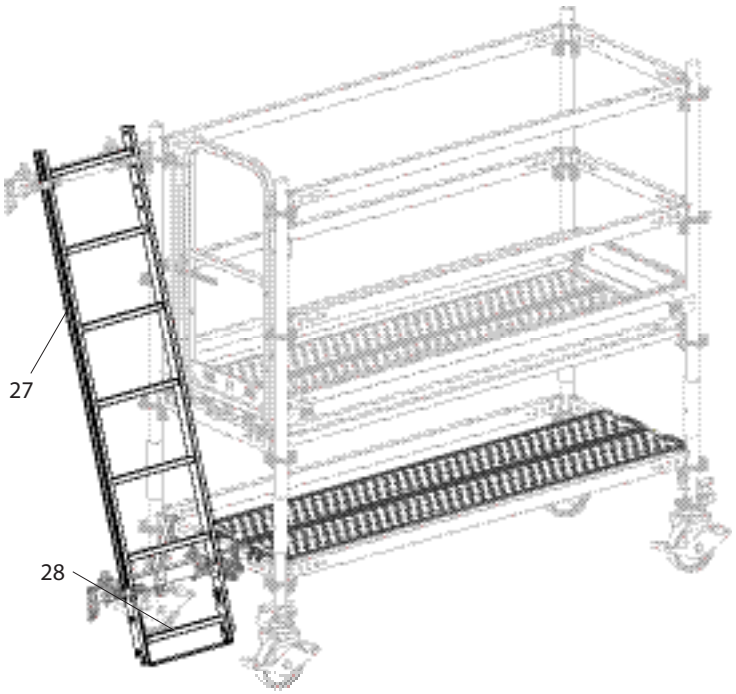


Fig. A3.08

A4 Mobile scaffold (height 1.50 m)

General information

- Carry out assembly on a level substrate.
- Lock all castors.

Components

6	Locking Pin Ø 48/57	4x
7	Base Standard UVB 25	4x
8	Top Standard UVH-2 200	4x
10	Castor UEW 12 with Spindle	4x
14	Horizontal Ledger UH–2 75	8x
15	Horizontal Ledger UH–2 200	8x
23	Steel Deck UDG–2 25 x 200	3x
24	Spindle Locking UJS	4x
25	Ladder Connector Ledger UAM-S	2x

Assembly of the base frame

1. Assemble the base standards (7) with horizontal ledgers (14 + 15) to form a frame.
2. Raise the frame and insert the castors (10) into the base standards.
3. Secure the castors with spindle locking (24) to prevent them from falling out. (Fig. A4.01)

Auxiliary decks

1. Insert the existing Steel Decks UDG-2 (23) into the base level as auxiliary decks (Fig. A4.02).

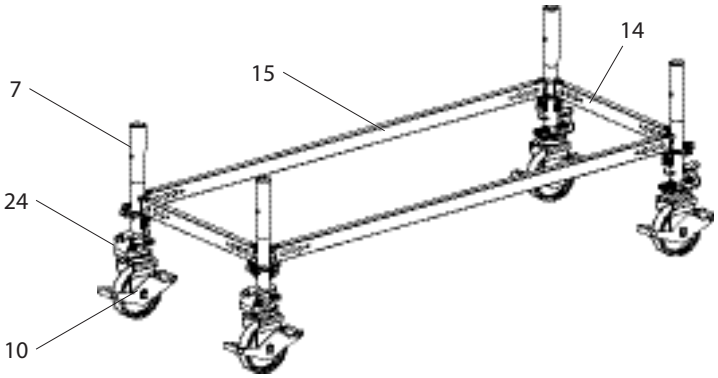


Fig. A4.01

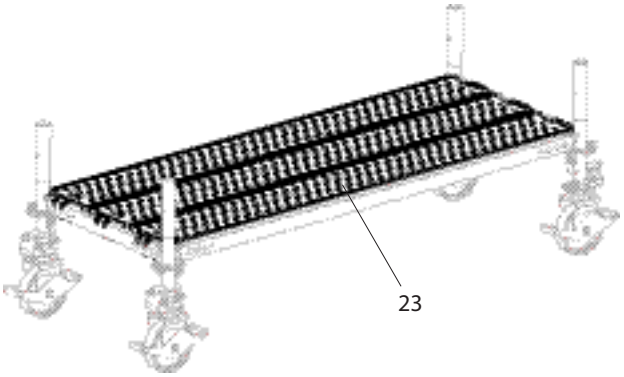


Fig. A4.02

Assembly of verticals and ledgers

1. Insert Top Standards UVH-2 200 (8) into the base standards. (Fig. A4.03)

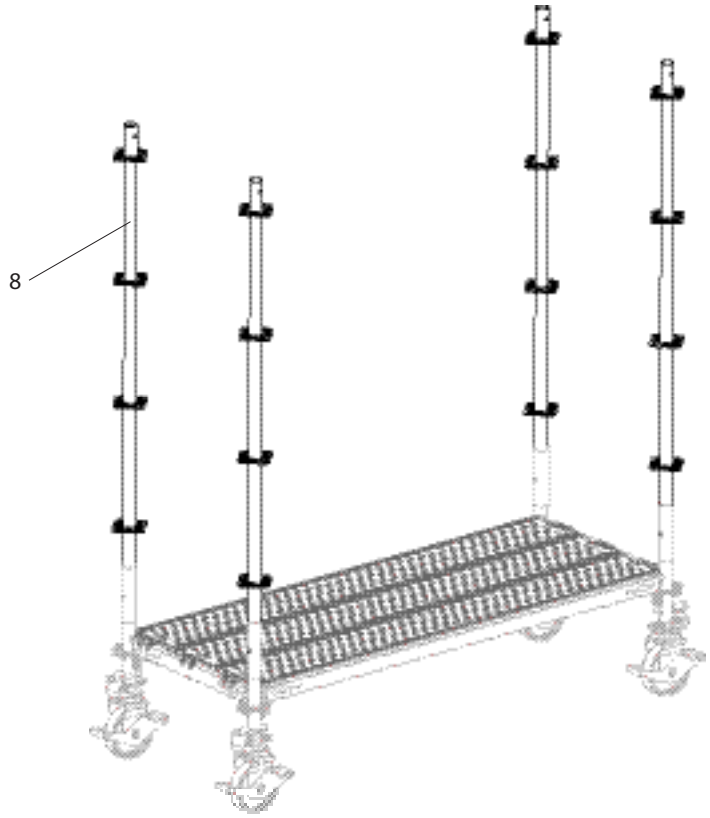


Fig. A4.03

2. Connect Top Standards UVH-2 200 to Horizontal Ledgers UH-2 200 (15) and UH-2 75 (14). Secure the wedges.
3. Pre-mount 2x Ladder Connectors UAM-S (25) on Horizontal Ledger UH-2 75 (14a) to reflect the distance between the ladder rails.
4. Fit the pre-assembled Horizontal Ledger UH-2 75 (14a). (Fig. A4.04)

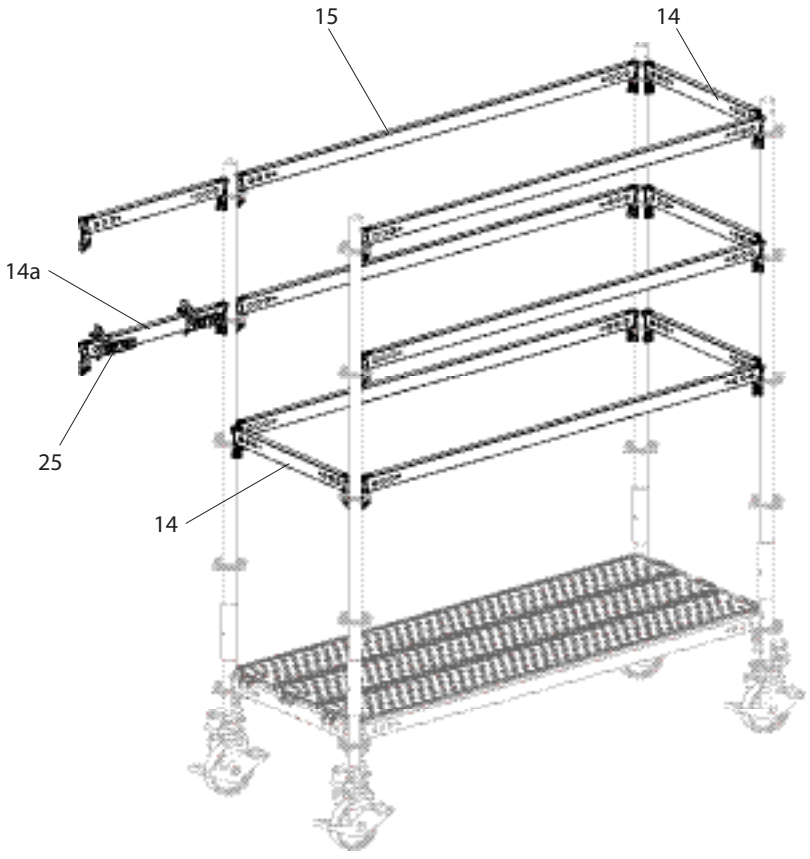


Fig. A4.04

Platform

- Always install the safety entry gate so that it only opens into the safe area.
- Safety entry gate must be securely supported by the striking plate (31.1) on the opposite standard.

Components

14	Horizontal Ledger UH–2 75	1x
22	Ledger-to-Ledger Coupler UHA-2	1x
25	Ladder Connector Ledger UAM-S	2x
26	Ladder Connector Diagonal UAD	1x
27	Ladder 180/6, galv.	1x
28	Ladder base, galv.	1x
29	Steel Toe Board UPY 200	2x
30	Steel Toe Board UPY 75	1x
31	Safety Entry Gate UPS 75	1x

Assembly

1. Move the Steel Decks UDG-2 (23) to platform height. Lift locks (23.1) must engage beneath the horizontal ledgers (14). (Fig. A4.05)
2. Fit the Toe Boards UPY (29 + 30) on 3 sides. (Fig. A4.06)

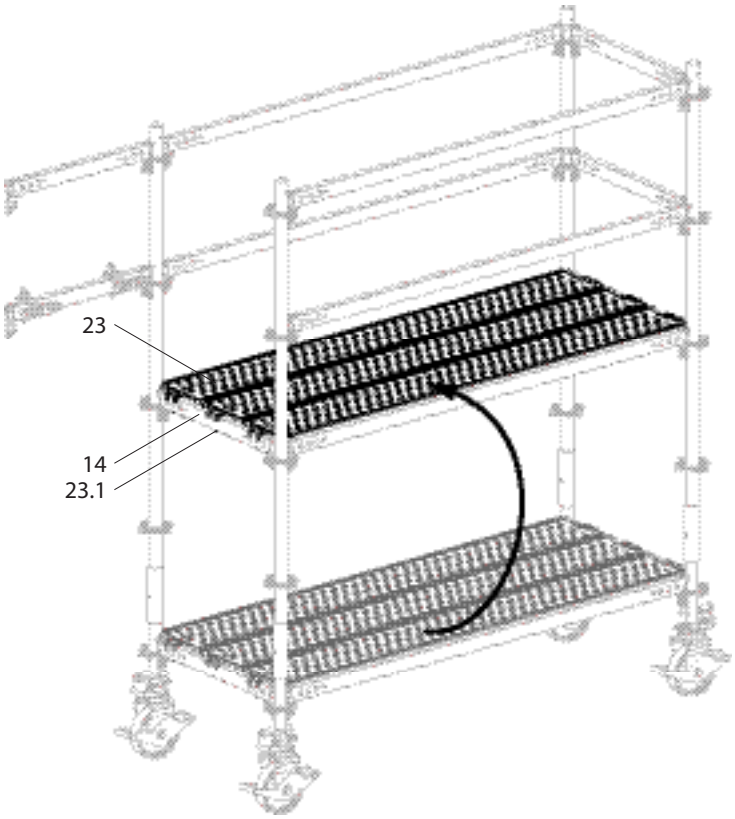


Fig. A4.05

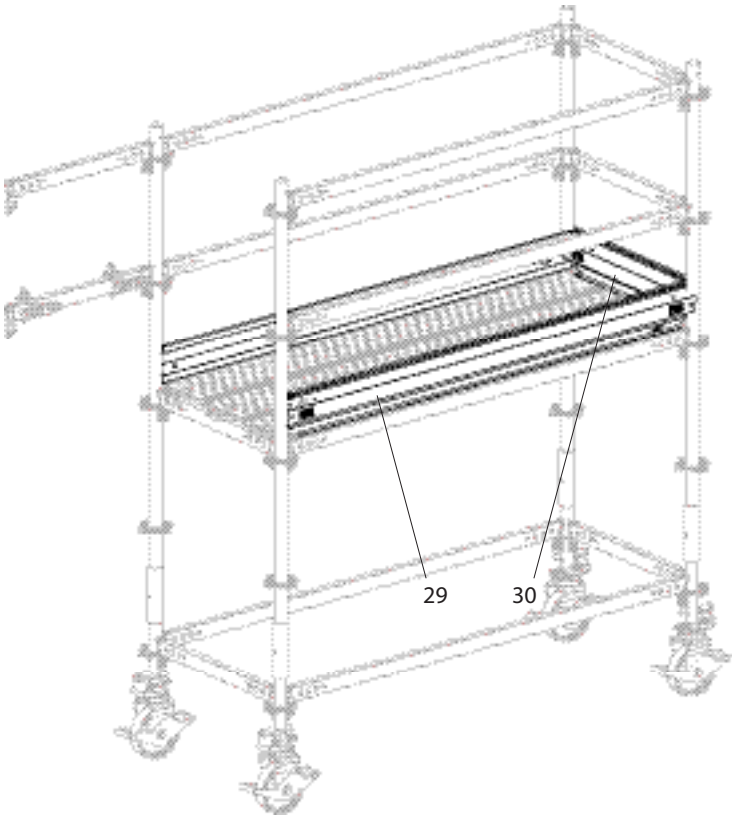


Fig. A4.06

Ladder access assembly

1. Attach Ledger-to-Ledger Coupler UHA (22) to Horizontal Ledger UH-2 75 (14).
2. Brace the horizontal ledger with Ladder Connector Diagonal UAD (26).
3. Fit the Ladder Connector Ledger UAM-S (25) to reflect the distance between the ladder rails. (Fig. A4.07)
4. Completely unscrew one screw (25.1) from each of the tube clamping parts (25.2). Open the second screw far enough that the ladder stile can be placed.

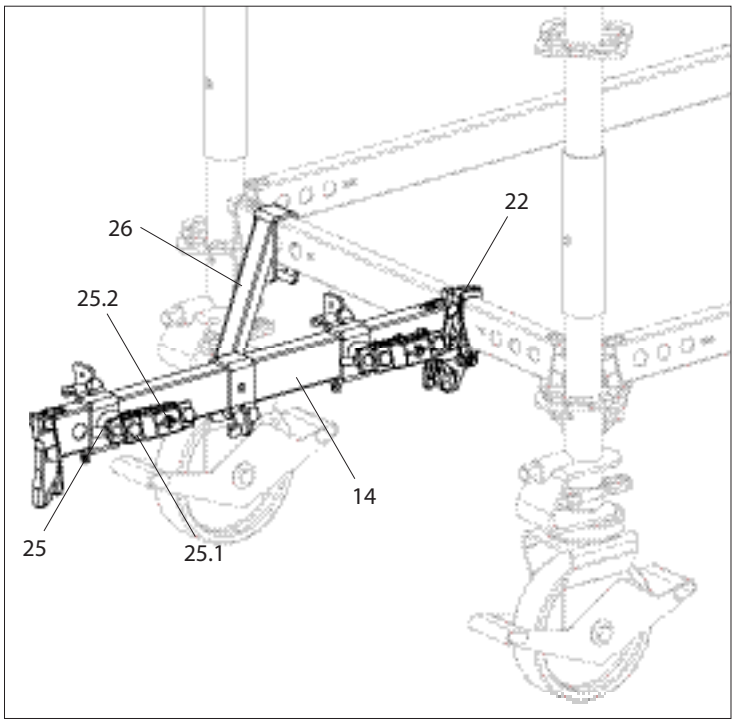


Fig. A4.07

5. Insert ladder 180/6 (27) with rails into the tube clamping parts.
6. Swivel the tube clamping parts upwards and tighten with screws.
7. Screw the ladder base (28) onto the ladder at the desired height. (Fig. A4.08)

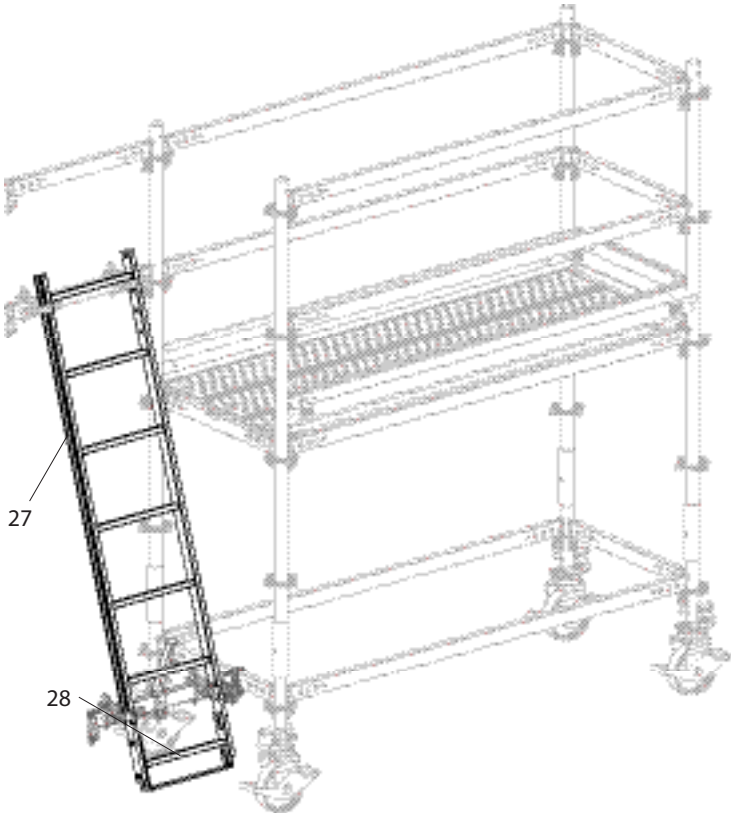


Fig. A4.08

Installing the safety entry gate

- From the position of the access ladder:

1. Install the Safety Entry Gate UPS 75 (31) with wedge (31.2) and suspension bracket (31.3) on the rosettes of the standard.
2. Secure the wedge.
3. Check that the self-closing function works properly. (Fig. A4.09)

→ The mobile scaffold is fully assembled.

- In case of wind loads, 2x Steel Decks UDG-2 must also be installed in the base level as ballast. The permissible working wind level would then be q = 0.15 kN/m² (v = 15.5 m/s).
- If higher wind loads occur, the decks can be reinforced with ballast. Verification must be carried out separately for this.

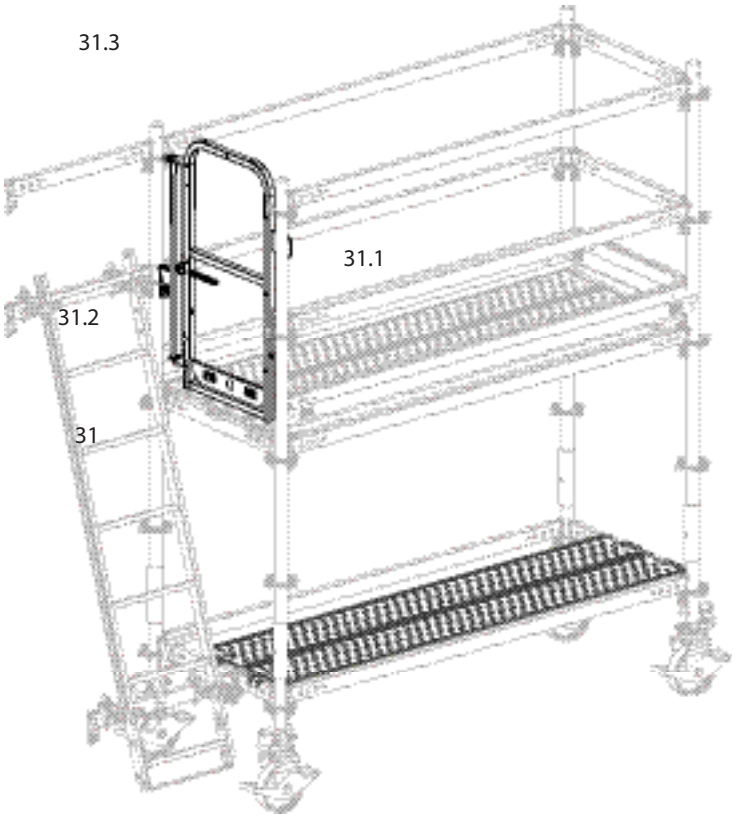


Fig. A4.09

Operating the brake

- Only step on the mobile scaffold when the brake is fully engaged.
- Only use the spindle for height compensation on uneven substrates.

– To activate the brake, press the pedal with the red colour marking down up to the stop. (Fig. B1.01a)
– To release the brake, press the pedal without the colour marking downwards to the stop. (Fig. B1.01b)

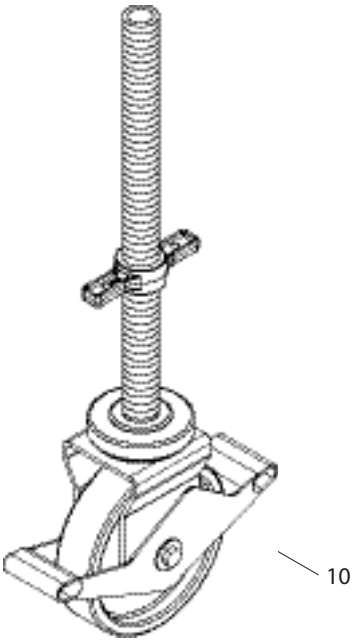


Fig. B1.01

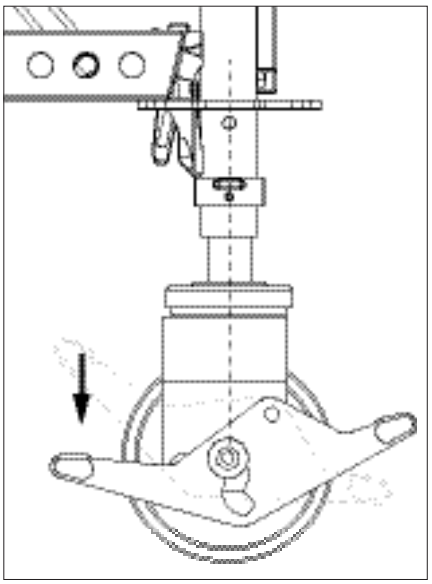


Fig. B1.01a

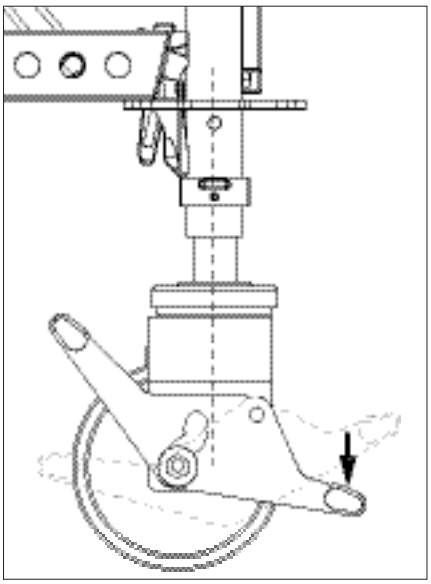
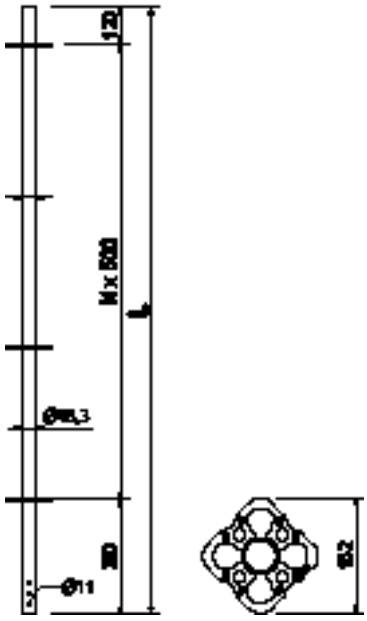


Fig. B1.01b

PERI UP Flex Mobile Working Platform

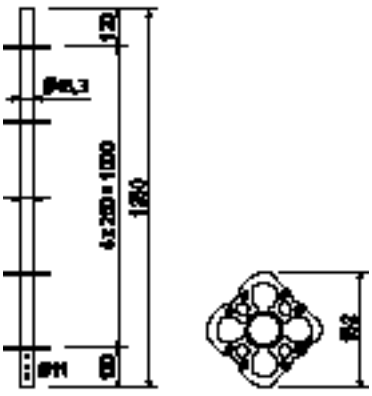
Article number	Weight [kg]		L [mm]
		Top Standards UVH–2	
132123	2.100	Top Standard UVH-2 50	500
132194	4.210	Top Standard UVH-2 100	1000
132198	6.320	Top Standard UVH-2 150	1500
132200	8.420	Top Standard UVH-2 200	2000
132202	10.500	Top Standard UVH-2 250	2500

Without pin for mounting head spindles.



Article number	Weight [kg]		L [mm]
132196	6.070	Top Standard UVH-2 125	1250

Without pin for mounting head spindles.



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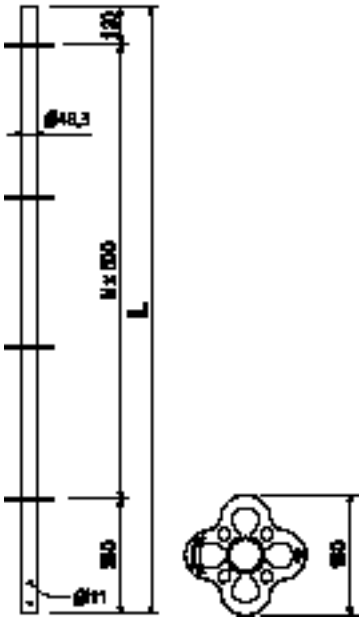
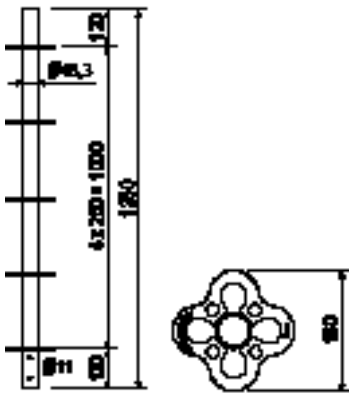
Article number	Weight [kg]		L [mm]
		Top Standards UVH	
401309	2.510	Top Standard UVH 50	500
400000	4.610	Top Standard UVH 100	1000
400003	6.920	Top Standard UVH 150	1500
400005	9.230	Top Standard UVH 200	2000
400007	11.500	Top Standard UVH 250	2500

Without pin for mounting head spindles.



Article number	Weight [kg]		L [mm]
417195	7.590	Top Standard UVH 125	1250

Without pin for mounting head spindles. Reduces necessary spindle extensions with 25 cm rosette spacing.

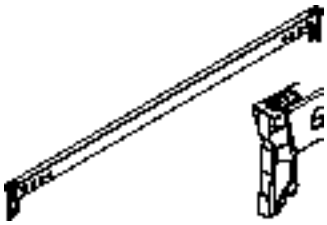


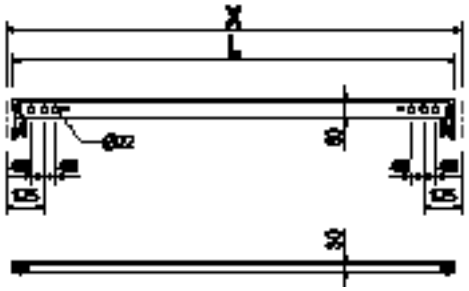
PERI UP Flex Mobile Working Platform

Article number	Weight [kg]		L [mm]	X [mm]
		Horizontal Ledger UH-2		
131995	1.400	Horizontal Ledger UH-2 25	204	250
133900	1.590	Horizontal Ledger UH-2 33	284	330
131998	2.030	Horizontal Ledger UH-2 50	454	500
133903	2.470	Horizontal Ledger UH-2 67	624	670
132213	2.680	Horizontal Ledger UH-2 75	704	750
132004	3.730	Horizontal Ledger UH-2 100	954	1000
132007	4.500	Horizontal Ledger UH-2 125	1204	1250
132010	4.670	Horizontal Ledger UH-2 150	1454	1500
132013	5.330	Horizontal Ledger UH-2 175	1704	1750
132016	5.990	Horizontal Ledger UH-2 200	1954	2000
132019	6.650	Horizontal Ledger UH-2 225	2204	2250
132025	7.310	Horizontal Ledger UH-2 250	2454	2500
132022	8.640	Horizontal Ledger UH-2 300	2954	3000

Note

With length marking for easier identification.

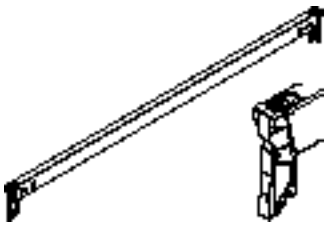


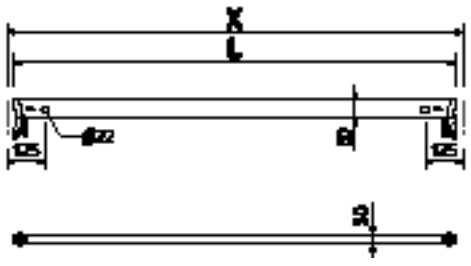


Article number	Weight [kg]		L [mm]	X [mm]
		Horizontal Ledger UH Plus		
414613	1.430	Horizontal Ledger UH 25 Plus	204	250
414595	2.080	Horizontal Ledger UH 50 Plus	454	500
429982	2.520	Horizontal Ledger UH 67 Plus	624	670
414629	2.740	Horizontal Ledger UH 75 Plus	704	750
414632	4.470	Horizontal Ledger UH 100 Plus	954	1000
414638	5.440	Horizontal Ledger UH 125 Plus	1204	1250
414641	4.720	Horizontal Ledger UH 150 Plus	1454	1500
417032	5.390	Horizontal Ledger UH 175 Plus	1704	1750
414645	6.050	Horizontal Ledger UH 200 Plus	1954	2000
416356	6.710	Horizontal Ledger UH 225 Plus	2204	2250
414648	7.370	Horizontal Ledger UH 250 Plus	2454	2500
414651	8.690	Horizontal Ledger UH 300 Plus	2954	3000

Note

With length marking for easier identification.





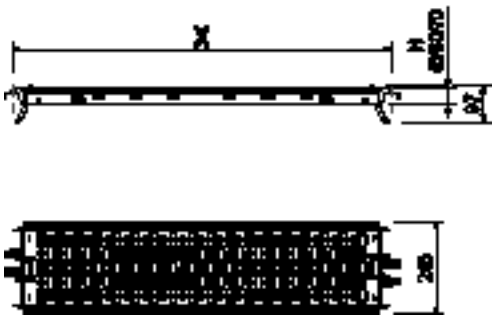
PERI UP Flex Mobile Working Platform

Article number	Weight [kg]		X [mm]	perm. p [kN/m²]
		Steel Decks UDG–2 25		
132479	3.190	Steel Deck UDG-2 25x 50	500	6
132483	3.960	Steel Deck UDG-2 25x 67	670	6
132488	4.320	Steel Deck UDG-2 25x 75	750	6
138607	2.200	Steel Deck UDG-2 25x25	250	6
132492	5.450	Steel Deck UDG-2 25x100	1000	6
132502	6.590	Steel Deck UDG-2 25x125	1250	6
132505	7.730	Steel Deck UDG-2 25x150	1500	6
132508	10.500	Steel Deck UDG-2 25x200	2000	6
132511	12.900	Steel Deck UDG-2 25x250	2500	4.5
132515	15.800	Steel Deck UDG-2 25x300	3000	3

Length X: 500 – 1500 with H of 45 mm.
Length X: 2000 – 2500 with H of 60 mm.
Length X: 3000 with H of 70 mm.

Note

Values correspond with EN 12811-1.

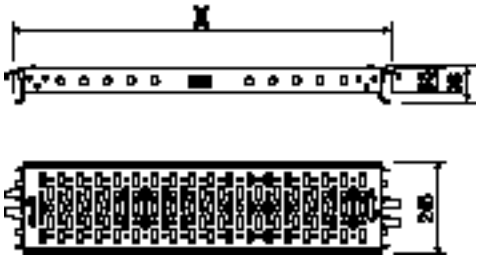


Article number	Weight [kg]		X [mm]	perm. p [kN/m²]
		Steel Decks UDG 25		
424124	3.810	Steel Deck UDG 25x 50	500	6
432858	4.810	Steel Deck UDG 25x 67	670	6
424121	5.180	Steel Deck UDG 25x 75	750	6
424118	6.550	Steel Deck UDG 25x100	1000	6
424115	7.940	Steel Deck UDG 25x125	1250	6
424112	9.330	Steel Deck UDG 25x150	1500	6
424109	12.200	Steel Deck UDG 25x200	2000	6
423771	14.900	Steel Deck UDG 25x250	2500	4.5
424915	17.700	Steel Deck UDG 25x300	3000	3

Fit onto Horizontal Ledgers UH.

Note

Values correspond with EN 12811-1.

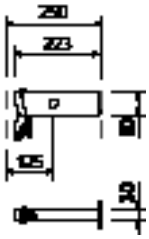


PERI UP Flex Mobile Working Platform

Article number	Weight [kg]		L [mm]	X [mm]
115959	1.160	Support UC 25	250	223

Note

Small console brackets with limit stop for fixing the decks in place.



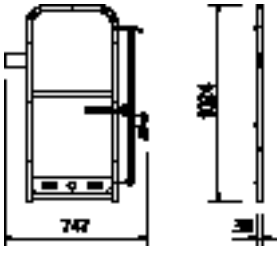
Article number	Weight [kg]		L [mm]	X [mm]
		Steel Toe Boards UPY		
132592	0.414	Steel Toe Board UPY 25	236	250
110213	0.929	Steel Toe Board UPY 50	486	500
129947	1.280	Steel Toe Board UPY 67	656	670
110073	1.960	Steel Toe Board UPY 100	986	1000
110160	2.990	Steel Toe Board UPY 150	1486	1500
110176	4.030	Steel Toe Board UPY 200	1986	2000
110208	5.060	Steel Toe Board UPY 250	2486	2500
110211	6.090	Steel Toe Board UPY 300	2986	3000

Note

Default surface: galvanised and painted in yellow.

		Accessories (not included)
134542	0.606	Toe Board Compensation UPY-L

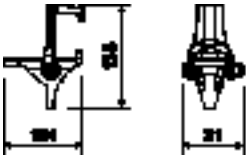
Article number	Weight [kg]		L [mm]
125672	9.470	Safety Entry Gate UPS 75	747



PERI UP Flex Mobile Working Platform

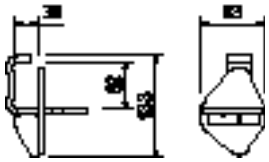
Article number	Weight [kg]	
136582	0.831	Ledger-to-ledger Coupler UHA-2

For connecting horizontal ledgers at right-angles.



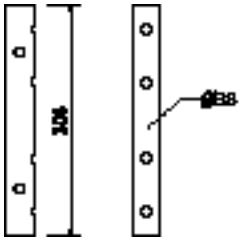
Article number	Weight [kg]	
401731	0.841	Ledger-to-Ledger Coupler UHA

For connecting horizontal ledgers at right-angles.



Article number	Weight [kg]	
100301	0.969	Connector ULT 32

Single pin for connection of tubes Ø 48.3 x 3.2 mm, e.g. formwork girders or top standards without interlock.

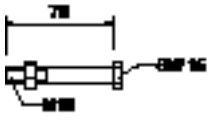


Accessories (not included)

111053	0.059	Locking Pin Ø48/Ø57
100719	0.060	Bolt ISO 4014-M10x070-8.8 galv. nut

Article number	Weight [kg]	
100719	0.060	Bolt ISO 4014-M10x070-8.8 galv. nut

As tension–proof connection of verticals at suspended scaffolds and formwork girders.

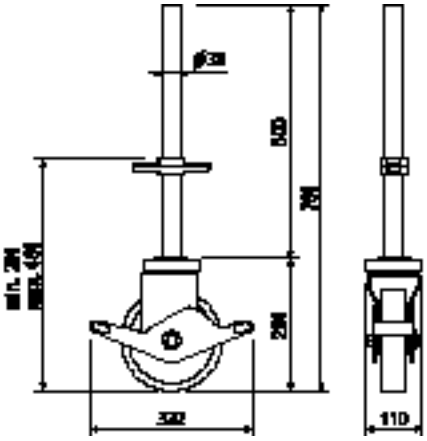


Article number	Weight [kg]	
101860	7.500	Castor UEW 12 Spindle TR38

Wheel for mobile scaffolds. Wheel bodies red.

Note

Permissible load up to 12 kN depending on spindle extension and bracing.

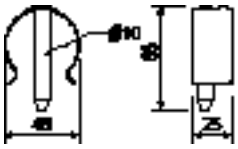


Accessories (not included)

100863	1.020	Spindle Locking UJS

Article number	Weight [kg]	
111053	0.059	Locking Pin Ø48/Ø57

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

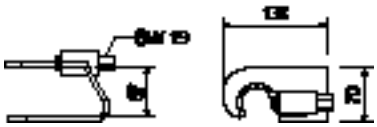


Article number	Weight [kg]	
100863	1.020	Spindle Locking UJS

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

Note

Permissible load 1.5 kN.



Article number	Weight [kg]	
134520	1.670	Ladder Connector Ledger UAM-S

Is used to attach ladders up to maximum stile size 25 x 80 mm or round tubes up to Ø = 48.3 mm.

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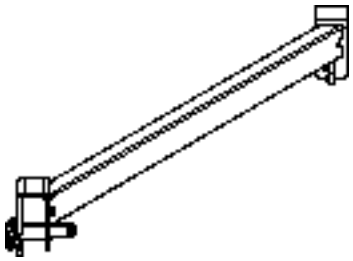
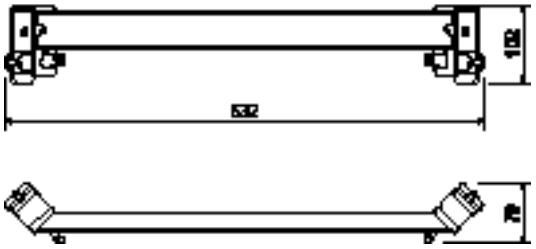
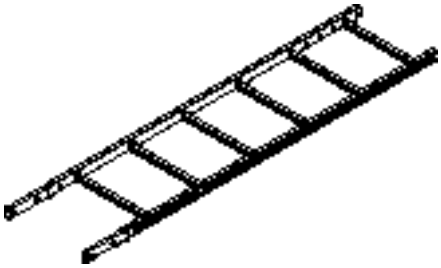
Article number	Weight [kg]	
134512	1.990	Ladder Connector Diagonal UAD

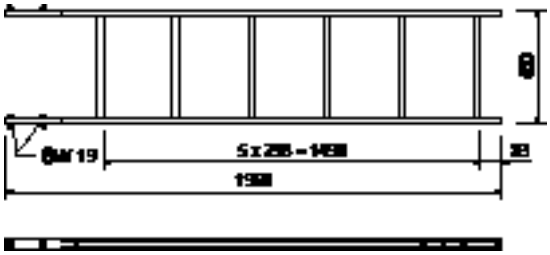




Article number	Weight [kg]	
051410	11.700	Ladder 180/6

For accessing PERI formwork systems.



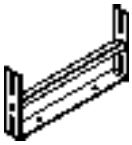


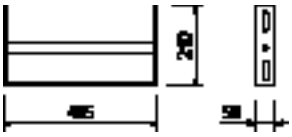
Complete with

4x 710224 Bolt ISO 4017-M12x040-8.8 galv.
4x 710381 hex nut ISO 7040-M12-8 galv.

Article number	Weight [kg]	
051460	2.180	Ladder base galv.

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





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