

# OPERATING MANUAL

FALPRO – WORK PLATFORM  
Type L



## FreeFalcon GmbH

Johanniterstraße 50  
72160 Horb am Neckar  
Germany

Phone: +49 7451 6240276

Fax: +49 7451 6240277

E-mail: [info@freefalcon.de](mailto:info@freefalcon.de)

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## General

This document is the original description. All information contained therein is written in German.

The platform must always be provided with a description in the language of the corresponding country in which it is:

- made available for the first time; or
- is used as intended for the first time.

If the description is not available in the language of the country of use, the person who introduces or operates the platform in the respective language area must provide a corresponding translation into the language of that country.

In order to ensure use in accordance with the intended purpose, all legal safety regulations and the safety instructions in this description must be observed.

The manufacturer accepts no liability whatsoever for damage caused by improper use or incorrect handling.

**Regarding all objects combined with the platform, only the regulations and specifications of the corresponding component manufacturer apply.**

## Display representation

The graphics used in these instructions may be incomplete for better visualisation. Components or assemblies can be shown in different views in different scales.

Unless expressly stated otherwise, the graphics describing the system apply to all sizes and model variants of Falpro - Work platforms.

## Qualification and responsibility

Clearly define already in the planning phase who is responsible for the activities listed below in connection with the platform:

- **the operator(s);**
- **the person(s) responsible for health and safety coordination;**
- **the qualified personnel;**
- **the instructed personnel.**

### Area of responsibility of the operator

- The operator or their authorized representative is obliged to comply with all legal regulations and safety provisions that are applicable at the place of use and to monitor compliance with them.
- The operator or their authorized representative is obliged to train and/or instruct the relevant personnel at regular intervals (at least once a year).
- The operator or their authorized representative is obliged to verify the level of knowledge of the personnel.
- The operator or their authorized representative is obliged to document the training / instruction.
- The operator or their authorized representative is obliged to check whether the personnel are aware of safety and danger issues and observe the operating instructions.

### Area of responsibility of the appointed safety coordinator

- Recognizing and assessing potential hazards promptly.
- Developing suitable measures and plans to protect against dangers and safeguard health.
- Checking compliance with and application of existing protective measures.
- Coordinating all concerned persons or institutions in terms of hazards and health.

### Qualified personnel

- Qualified personnel are appointed by the operator.
- Qualified personnel must be comprehensively trained in the use of Falpro - Work platforms by the operator or their authorized representative.
- Qualified personnel are fully entrusted with the contents of the instructions for Falpro - Work platforms and are able to apply this knowledge and, if necessary, pass it on to third parties (through instruction).
- Qualified personnel have further expertise in dealing with the required measuring or test equipment, as well as sufficient knowledge of the applicable regulations and laws.
- Qualified personnel are authorized to independently carry out and document the work and inspections assigned to them, using their specialist training, professional experience and knowledge of the relevant regulations.

## Instructed person

An instructed person is a person who is professionally qualified for the tasks assigned to them and who has received comprehensive instructions from the operator or their authorized representative on the following key topics:

- possible hazards and self-protection against falling when working in the loading area of the platform;
- possible hazards to third parties due to objects falling from the platform;
- effects on safety in a wide range of weather conditions;
- knowledge of the maximum permissible loads (traffic load / surface load and wheel load)
- negative weather-related effects on the permissible traffic load;
- precise knowledge of the procedures to be used when setting up and dismantling a Falpro - Work platforms;
- precise knowledge of the procedures to be used when moving a Falpro - Work platforms;
- precise knowledge of the procedures to be used when storing and transporting a Falpro - Work platforms;
- procedure in the event of faults or potential hazard points caused by the influence of third parties;
- visual inspection points to be carried out daily.

## Symbols and explanation of signs in these instructions

In this description, the text sections relevant to safety are classified according to their danger level and highlighted with corresponding symbols in accordance with ASR A1.3/ISO 7010.

<b>DANGER</b>	
	<p>Indicates an imminent danger.</p> <p>Failure to observe the instruction may result in death, disability or serious physical injury.</p>
<b>WARNING</b>	
	<p>Indicates a possible imminent danger.</p> <p>Failure to observe the instruction may result in death, disability or serious physical injury.</p>
<b>CAUTION</b>	
	<p>Indicates a possible imminent danger.</p> <p>Failure to do so could result in minor to moderate physical injury and damage to property.</p>
<b>NOTICE</b>	
	<p>Indicates useful information within this description.</p>

## Product description

The Falpro - Work platforms serves as a supporting product for safe and fast transport of material on construction sites.

The main component of a Falpro - Work platforms is the floor, consisting of several self-supporting platform segments with checker plates on the top. Together with the front apron and two beams projecting into the structure, these segments form a cantilevered loading or storage area. A Falpro - Work platforms has sturdy side protection around the cantilevered area as a precaution against falling.

The two beams projecting into the structure are braced between two storey slabs by means of pressure supports.

The transition from the platform surface to the structure is at the same level and can be accessed unhindered with self-propelled forklift trucks.

It is allowed to permanently store construction materials and other materials on the platform surface of a Falpro - Work platforms.

Loads can be set down directly from above on the cantilevered platform surface using a crane, and from there they can be moved to the inside of the structure without any obstacles.

A Falpro - Work platforms serves as a temporary installation connected to the structure and can be moved in its entirety to other areas of the structure using a crane.

The pressure supports and side protection can be folded down for space-saving storage or transport by lorry. By moving the two transport supports, up to four platforms can be stacked safely and evenly on top of each other.

## Intended use

The Falpro - Work platforms serves as a support for transporting materials and, if required, as an additional storage area on storey levels outside the structure.

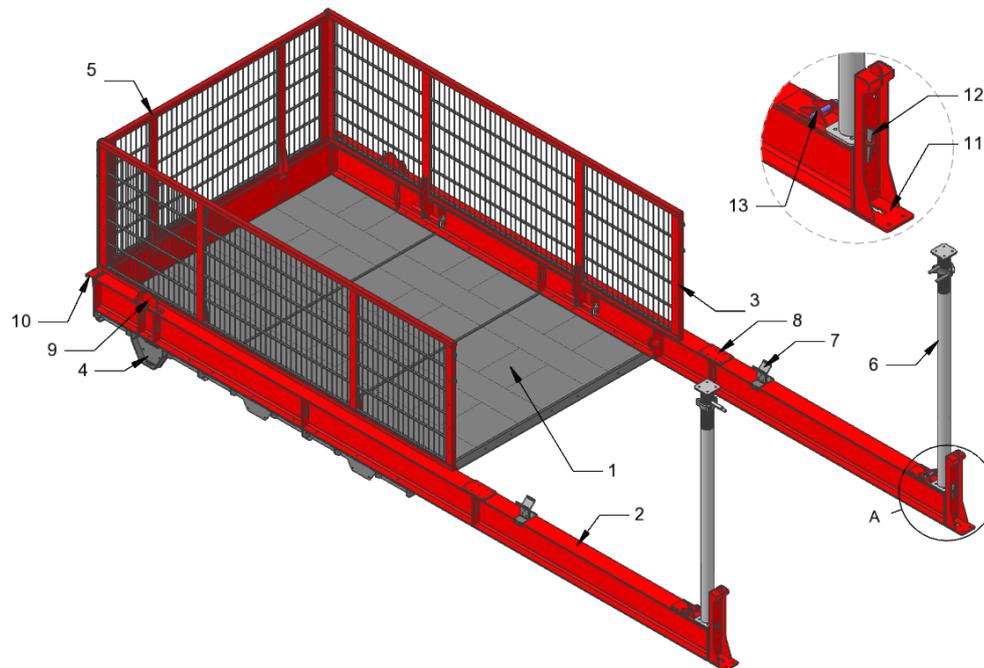
The Falpro - Work platforms has two cantilevered IPE beams (item 2), which are inserted into a storey of the structure by crane up to the level of the platform floor (item 1) for this purpose.

The two cantilevered IPE beams (item 2) are each braced between the storey slabs at the end using pressure supports (item 6).

In exceptional structural cases, the cantilevered IPE beams (item 2) can be anchored to the storey via the supports (item 11).

The Falpro - Work platforms is intended exclusively for commercial purposes and only for transport or storage of material.

## Overview of the main components



(Figure type M)

- 1 Floor assembly
- 2 Cantilever beam on the left / right
- 3 Side protection on the left / right
- 4 Front transport support
- 5 Front side protection
- 6 Pressure supports Falpro SP30 kN (250/30 – 450/30) / Falpro AP250 - 625
- 7 Transport support for pressure supports
- 8 Adapter plate for additional pressure supports
- 9 Upper transport support
- 10 End of front apron
- 11 Rear transport support
- 12 Safety wedge for fixing the pressure supports
- 13 Pressure support hinge

## Operating bans

### DANGER



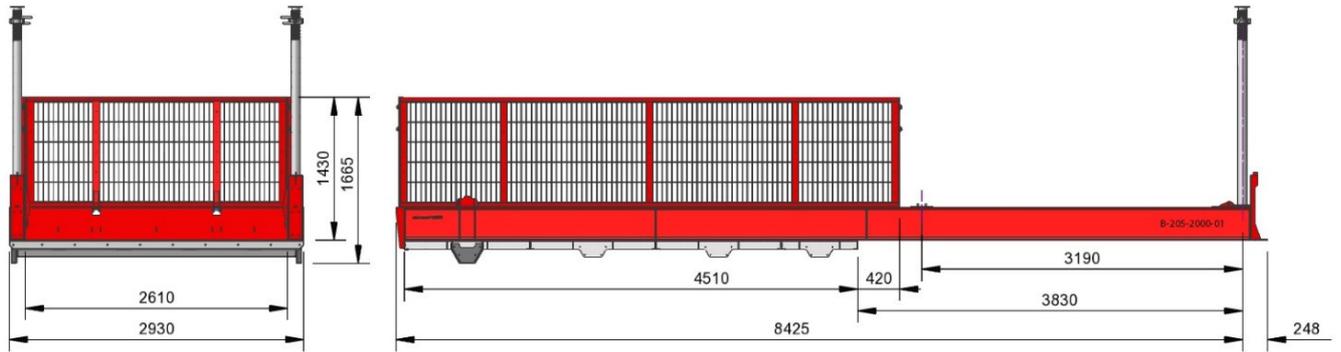
- Exceeding the permissible traffic load (V) is prohibited.
- Exceeding the permissible wheel load (F2) or surface load (p1) is prohibited.
- Installation and use in structures with insufficient bearing load (V1) is prohibited.
- Installation and use in structures with insufficient vertical load (V2) is prohibited.
- Entering a damaged or unchecked Falpro - Work platforms is prohibited.
- Entering a Falpro - Work platforms without side protection (items 5 and 3) is prohibited.
- Allowing persons or objects to be present on the Falpro - Work platforms while it is being removed or installed is prohibited.
- The presence of persons or the storage of objects on a Falpro - Work platforms while moving with a crane or other lifting devices is prohibited.
- Stepping on the beams of a Falpro - Work platforms outside the side protection (items 5 and 3) is prohibited.
- Climbing onto or over the side protection (items 5 and 3) of a Falpro - Work platforms is prohibited.

### WARNING

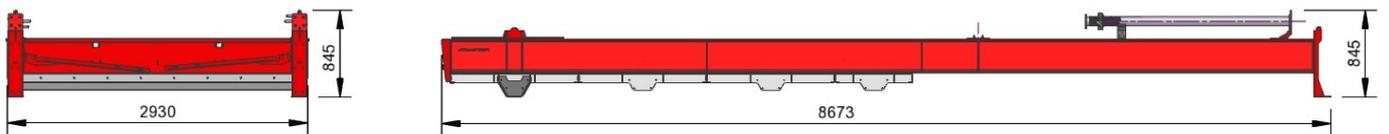


- Use without a hazard assessment carried out in advance is not permitted.
- Deviations from procedures relevant to safety within these instructions are not permitted.
- The removal and installation of a Falpro - Work platforms without assembly instructions drawn up by the operator or their authorised representative is not permitted.
- Driving self-propelled forklift trucks onto a Falpro - Work platforms is not permitted.
- The removal and installation of a Falpro - Work platforms by unqualified personnel is not permitted.
- The removal and installation of a Falpro - Work platforms and its use by personnel under the influence of drugs, alcohol or medication is not permitted.
- The removal and installation of a Falpro - Work platforms by unauthorized personnel is not permitted.
- The use of a Falpro - Work platforms by uninstructed personnel is not permitted.
- The use of ladders or similar supplementing work equipment on the platform surface is prohibited.
- Leaning objects against the side protection (items 5 and 3) is prohibited.
- Leaving a Falpro - Work platforms on the structure is prohibited if the permissible wind load is expected to be exceeded.
- Follow-up welding work or drilling is prohibited.
- Combining with components from other manufacturers without prior approval from the manufacturer or the operator is prohibited.
- Allowing persons to be present in the areas below a Falpro - Work platforms is prohibited.

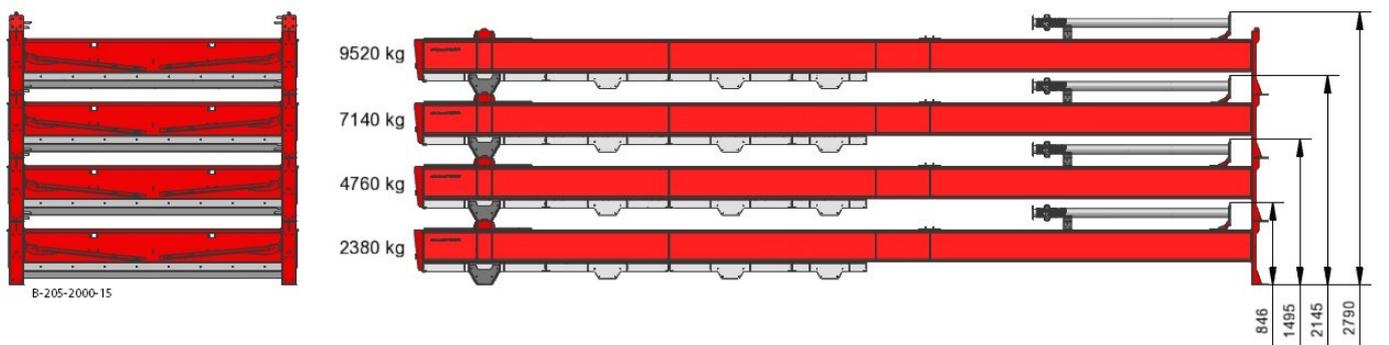
**View in configuration for use**



**View in configuration for storage**



**View of maximum stacking block**



## Technical data

Type	<b>L</b>	
Tare weight	<b>2,380 kg</b>	including two erect pressure supports of 23 kg each (Falpro SP 350/30)
Traffic load (V)	max. <b>5,300 kg</b>	
Surface load (p1)	max. <b>450 kg / m<sup>2</sup></b>	(corresponding to load class 5)
Wheel load (F2)	max. <b>800 kg</b>	(concentric load 200 × 200 mm surface)
Platform surface	max. <b>11.7 m<sup>2</sup></b>	(max. usable platform surface)
Cantilever arm	<b>IPE 330</b>	(S 235)

Load distribution of 50% on each cantilever, with even distribution of the traffic load over the entire platform surface (11.7 m<sup>2</sup>).

## Hazard assessment

The operator or their authorized representative must prepare a hazard assessment and installation instructions for each user situation.

In particular, the following must be taken into account:

- **Contents of these instructions**
- **Measures prescribed by law**
- **Suitability and conditions of the structure**
- **Personal protective equipment for personnel**

### WARNING



The operational safety of a Falpro - Work platforms can only be guaranteed if the general legal safety regulations and the safety precautions in these instructions are observed.

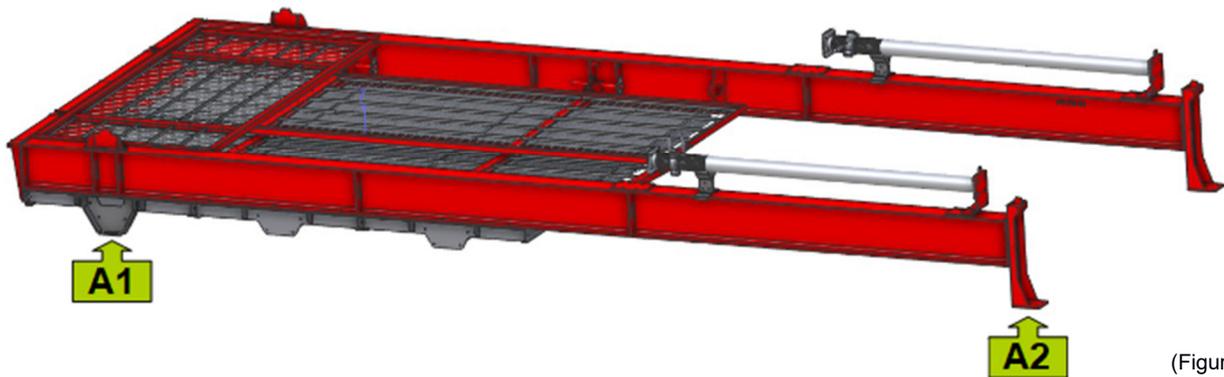
The manufacturer accepts no liability whatsoever for damage caused by improper use or incorrect handling.

The Falpro - Work platforms is intended exclusively for commercial use. Depending on the user situation, only suitable or trained personnel may be deployed for such use.

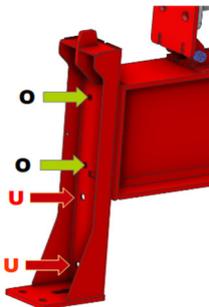
## Storage and transport

For storage or transport purposes, the side protection of a Falpro - Work platforms (overview, items 1 & 5) and the two rear pressure supports (overview, item 6) can be folded down.

In this case, the tare weight or the total stack weight (max. 4 platforms) is distributed over the support points **A1** and **A2**.



(Figure type M)



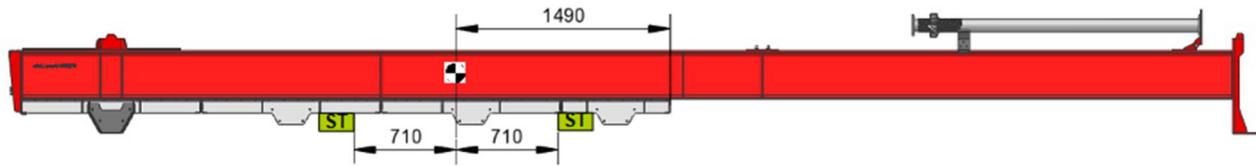
In the configuration for storage, it is possible to stack up to 4 Falpro - Work platforms on top of each other.

Before stacking, ensure that the two rear transport supports are in the configuration for storage.

The configuration for storage can be recognised by the fact that the supports are screw-fastened to the upper 4 holes (O).

In this configuration, the platform level is parallel to the base surface (A1 / A2).

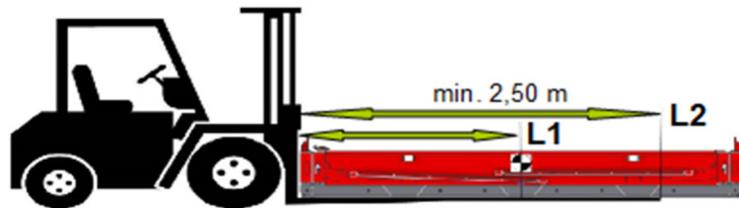
## Stapelung



The Falpro - Work platforms can be picked up from the side with a forklift truck in the designated area (**ST**) for stacking or moving purposes.

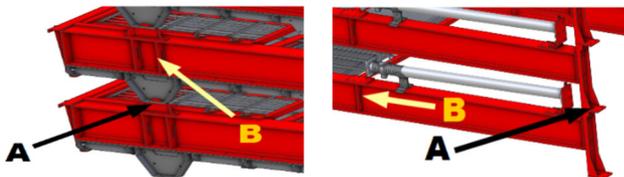
The reference plane of the centre of gravity is approximately 1.50 m from the front edge of the floor assembly.

When moving or stacking a type L Falpro - Work platforms, the fork arms must be inserted at least **2.50 metres** below the platform floor (**L2**).



The area between the centre of gravity **L1** (1.47 metres) and the position of the side longitudinal beam **L2** cannot be used as a support surface.

When stacked, ensure that the fixing lugs of the lower platform protrude sufficiently into the recess (**item A**) of the transport supports above it.



For transport, each platform must be individually clamped downwards at a minimum of 4 points with suitable straps.

The bracing can be fixed using the recesses on the support ribs (**item B**).

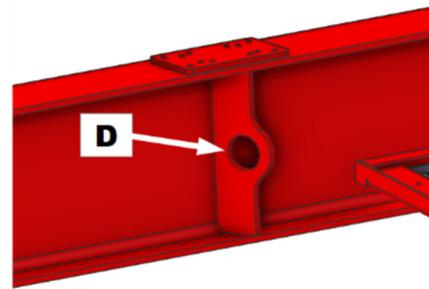
### WARNING



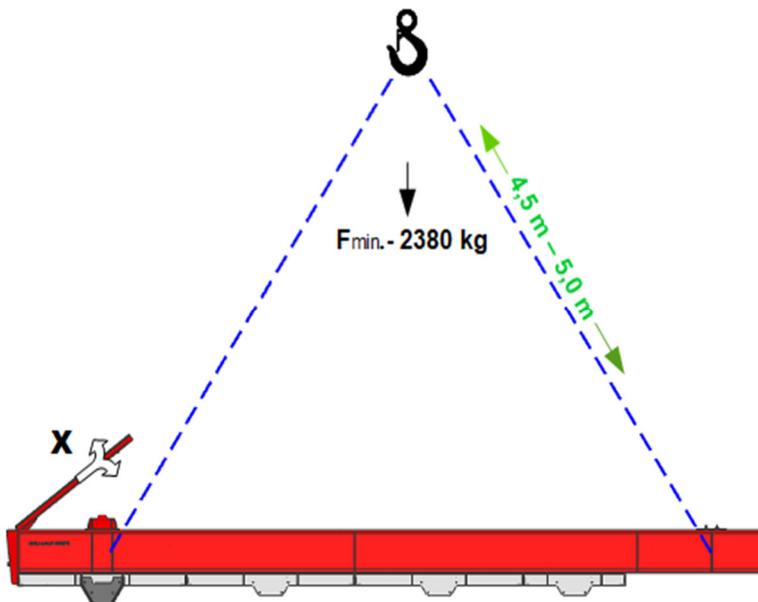
- Transport or escape routes must not be blocked.
- Only suitable and approved fastening devices may be used.
- The regulations on securing the load must be observed during transport.
- All fastening and clamping devices must be approved and in appropriate condition.
- Due to the risk of cutting, direct fastening with straps is prohibited.
- There must be no persons present under the load being lifted.
- No persons or objects must be on the platform while moving it.
- The foundation to be driven onto when moving must be level and sufficiently fixed.
- Moving more than one platform at a time (stacking block) is prohibited.
- It must be ensured that the foundation intended for storage is level and can permanently withstand the loads in the area (A1/A2).
- Using forklift trucks to move goods onto surfaces with an incline of more than 3° is prohibited.

## Moving with crane

To move or stack the Falpro - Work platforms on the four fixation nodes located on the inside of the beam (**item D**), the load hooks can be attached to a four-strand hanger.



(fixation node **(D)** with **round** eyelets)



In order to attach the load hooks to the front fixation nodes, the side protection in the front (**X**) must first be folded all the way up.

After tightening the hanger, it must be folded back again until it rests on the two front hanger strands.

It is always possible to move the platform with the side protection completely folded up and secured by means of a four-strand hanger.

### WARNING



- The total length of the individual hanger strands must not be less than the length specified above.
- The hanger used must be in proper condition.
- Lifting with less than 4 fixed strands is prohibited.
- When lifting, a sufficient safety distance must be maintained from persons or objects to the platform.
- Fixing hangers with a lower load-bearing capacity than the tare weight of the platform is prohibited.
- Due to the risk of cutting, direct fastening with straps is prohibited.
- Shackles with sufficient load-bearing capacity must be used when fixing with straps.
- No persons or objects must be on the platform while moving it.
- The individual hanger strands must not be attached when twisted.

## Preparing the platform for use

### NOTICE



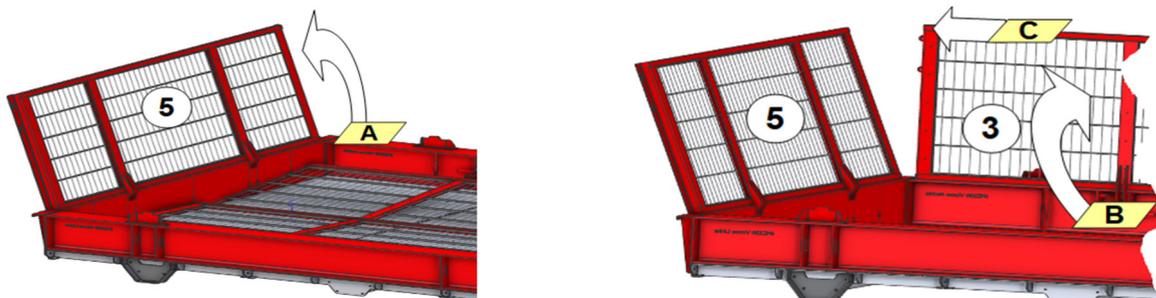
- A Falpro - Work platforms must always be prepared accordingly before use on the structure.
- Due to the size of the platform and the heavy weight of its individual components, at least **two** instructed persons must be involved when preparing it.
- A Falpro - Work platforms must be checked to ensure it is in appropriate condition after each preparation.

### WARNING



- A Falpro - Work platforms must be checked for appropriate condition and fixation by an instructed person every time it is moved.
- A Falpro - Work platforms must be checked for proper condition and fixation by an instructed person at least once a day.

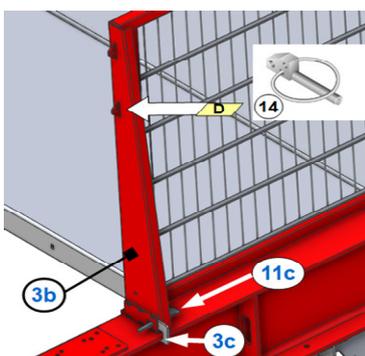
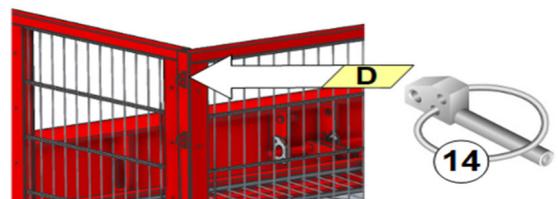
## Erecting the side protection



To erect the side protection, first fold the front protection segment (5) upwards (A).

Then the side protection segments (3) on the left and right must also be folded all the way up one after the other (B) and pushed strongly in the direction of the front protection segment (5) (C).

Then the protection segments (3) must be secured in their position against unintentional movement by means of linchpins (14) (D).

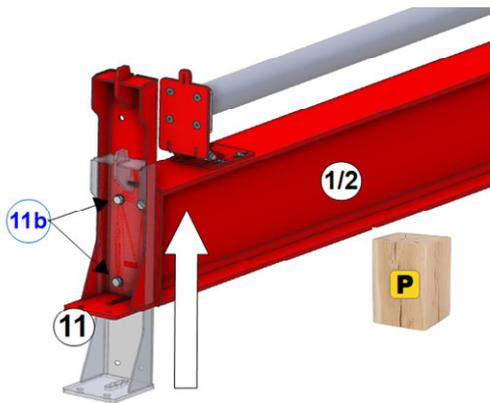


On the rear side, the additional supports (3b) must be inserted on the side protection (3), so that the lugs of the side protection protrude from the support (D).

In order to brace the additional supports (3b), then the clamping claw (3c) must be inserted and secured in this position by hammering in a clamping wedge (11c).

Finally, the protection segments (3) must also be secured in their position against unintentional movement by means of linchpins (14) (D).

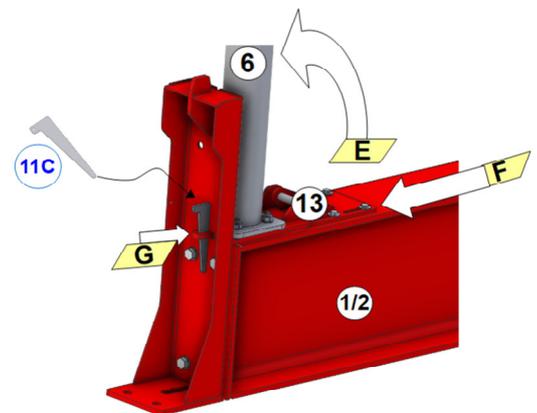
## Erecting pressure supports



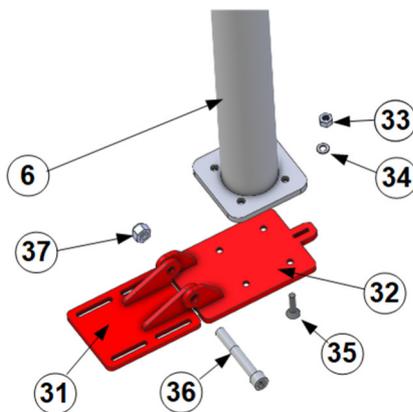
To erect the pressure support, the rear transport supports (11) must be brought into the position of the configuration for use (see above).

For this purpose:

- Support the cantilever arms on the right and left (1 and 2) with square timbers (P) so that the two rear transport supports (11) are relieved of load.
  - Then all 4 screws (11b) must be removed and the transport supports (11) must be shifted upwards until the lower edge is level with the cantilever arms (1 and 2).
  - In this position, all 4 screws (11b) must be inserted and tightened again.
- When the transport supports are fixed in the upper position, the pressure supports (6) must be folded up by 90° (E).
  - In this state, the pressure support hinges (13) must be pushed as far as possible in the direction of the transport supports (11) (F).
  - If installed correctly, the lug of the pressure support hinges (13) will protrude from the transport supports (11) to such an extent that it can be secured in this position after hammering in the clamping wedge (11c) (G).



## Fitting of pressure supports



A Falpro - Work platforms can be fitted with different pressure supports (6).

There are 2 adapters (32) available with different hole patterns.

The pressure supports (6) must be screw-fastened to the corresponding adapter plate (32) from below using 4 countersunk screws (35).

The adapter plates (32) can be replaced by removing the screws (36).

The sliding half of the hinge (31) always remains on the support.

Plate	Drilling pattern	Works with	Article number
32-A	80 x 80 mm	Falpro SP30 kN (250/30 – 450/30)	
32-B	120 x 65 mm	Falpro AP250-625	

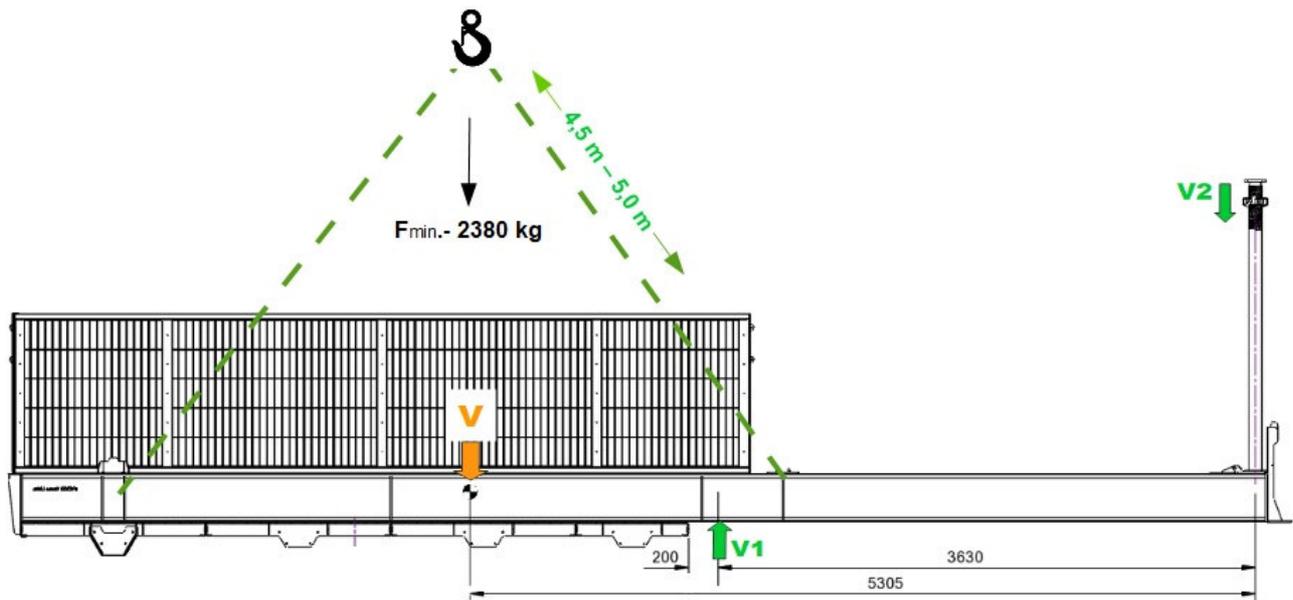
## NOTICE



Only original parts from the manufacturer should be used for combination.

Nuts and bolts must be in appropriate condition and correspond at least to strength class 8.8.

**Type L Falpro pressure loads**



Traffic loads (V)		5300 kg	3500 kg	2000 kg
Pressure load to be withstood	V1	61,31 kN	46,30 kN	33,87 kN
Vertical load to be withstood per pressure support	V2	22,71 kN	16,87 kN	11,99 kN

Due to the influence of wind, the following values must be deducted from the traffic loads on which the calculation is based.

Wind speed	30 km/h	50 km/h	70 km/h	90 km/h
Deduction value	- 400 kg	- 1100 kg	- 2200 kg	- 3600 kg

**WARNING**



- If wind speeds **greater than 110 km/h** are expected, a **Falpro - Work platforms must be removed from the structure.**
- If wind speeds **greater than 68 km/h** are expected, a **Falpro - Work platforms** must be secured against moving by means of 2 additional pressure supports and additional anchoring.
- Using the platform without a hazard assessment carried out in advance is not permitted.
- The removal and installation of a Falpro - Work platforms without assembly instructions drawn up by the operator or their authorised representative is not permitted.
- The removal and installation of a Falpro - Work platforms by unqualified personnel is not permitted.

## Removal and installation in a storey

### WARNING



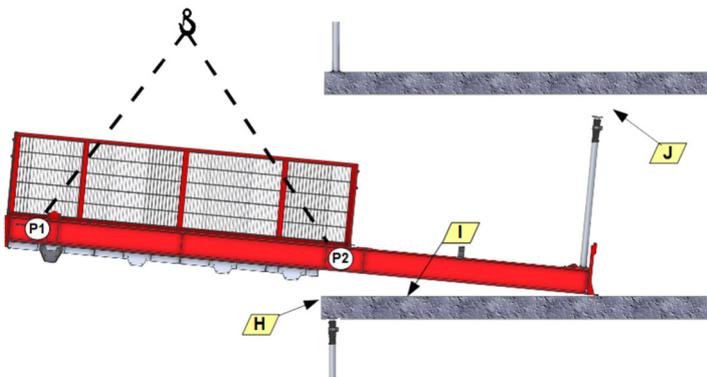
- When assembling or disassembling a Falpro - Work platforms, ensure adequate self-protection.
- When lifting (unloading) a Falpro - Work platforms, unexpected changes in position may occur. A sufficient safety distance must therefore be maintained when lifting.
- When lifting, the crane hook must be positioned as precisely as possible above the centre of gravity of the platform.

Before installation on the structure, the support points must be checked for suitability and condition.

**H** The end edge must be straight and undamaged.

**I** The contact surface on the floor must not have any unusual irregularities or elevations.

**J** The clearance between the slab and the support must be at least 50 cm with an erect pressure support. If the distance is smaller, the slab supports must be folded in for insertion or extension on the storey.



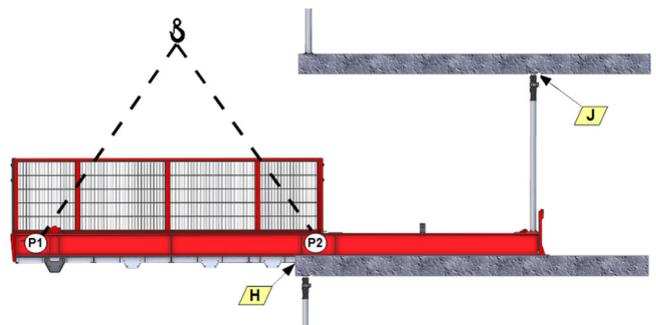
For installation on a storey, the platform can be lifted by crane ([see chapter 'Moving with crane'](#)) slightly above the height of the storey (**I**) intended for installation.

Carefully crane the platform into the storey until the floor assembly (**P1**) is flush with the floor slab, avoiding collisions with the structure.

In this position, lower the platform slowly downwards until the beams (**P2**) are level with the storey floor (**I**).

To secure the platform, it must be supported on the floor slab (**J**) using the two pressure supports (**6**).

After checking the correct position and support, the platform can be detached from the crane.



### NOTICE



The platform is disassembled from a storey in the reverse order to installation.

### DANGER



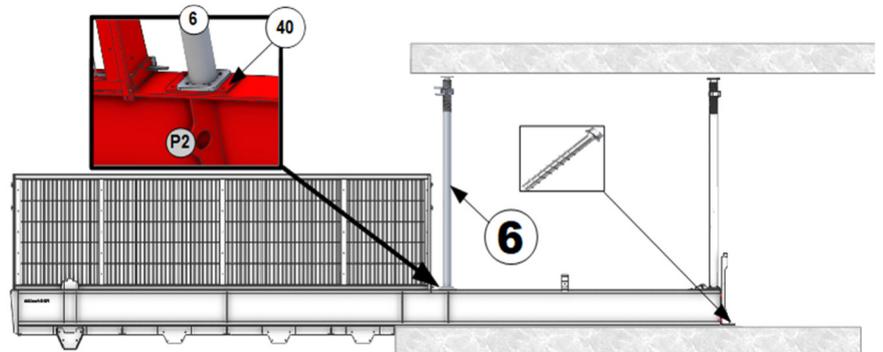
- **The manufacturer's instructions for the pressure supports (6) must be followed.**
- **Detaching the platform from the crane without proper support and testing is prohibited.**
- **Standing on or under the platform during assembly or disassembly is prohibited.**

## Additional safety measures

If wind speeds **greater than 68 km/h** are expected, the Falpro - Work platforms must be secured against moving or lifting by means of 2 additional pressure supports (6) and additional anchoring.

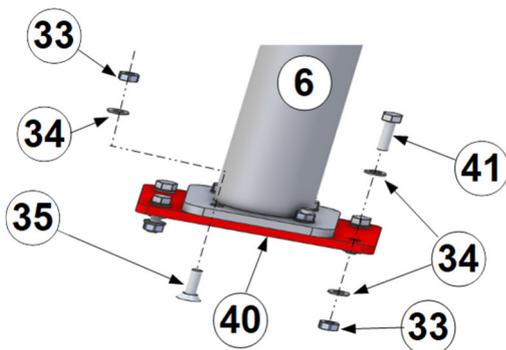
For this purpose, the pressure supports (6) located on an adapter plate (40) must be screw-fastened onto the supports (2).

The two additional pressure supports (6) must also be supported on the floor slab (J).



Finally, the rear transport supports (11) must also be anchored to the storey floor (I) to prevent the platform from moving.

The additional pressure supports (6) must be installed on the corresponding adapter plate (40) from below using 4 countersunk screws (35). The pressure supports provided remain permanently on the adapter plate.



There are 2 adapters available (40) with different hole patterns.

Plate	Drilling pattern	Works with	Article number
32-A	80 x 80 mm	Falpro SP30 kN (250/30 – 450/30)	
32-B	120 x 65 mm	Falpro AP250-625	

If you have any further questions, please contact us.

**FreeFalcon GmbH**  
**Johanniterstraße 50**  
**Phone: +49 7451 6240276**  
**72160 Horb am Neckar**  
**Germany**  
**E-mail: [info@freefalcon.de](mailto:info@freefalcon.de)**