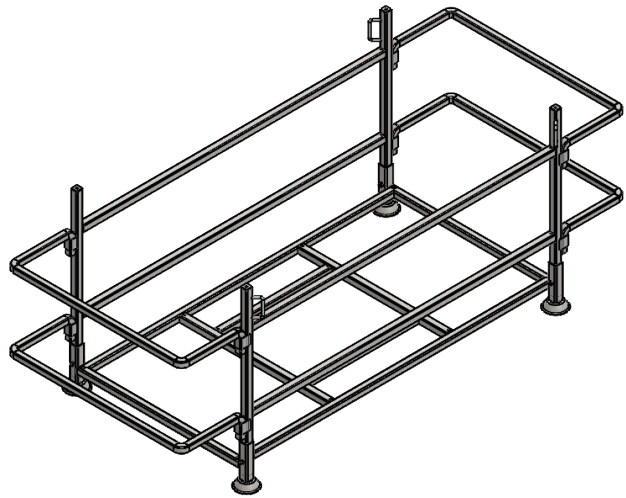




Eco stacking rack for panels Operating Instructions



MEVA Schalungs-Systeme GmbH

Industriestrasse 5
72221 Haiterbach
Germany
Tel. +49 7456 692-01
Fax +49 7456 692-66
info@meva.net
www.meva.net

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1. Product description / technical data

29-132-70 Eco stacking rack for panels 85 kg
29-132-72 Eco retaining bracket 270/405 2 kg
29-132-74 Eco retaining bracket 300/555 3 kg
Steel, galvanized. Rack for formwork panels (panels upright, next to each other) with crane eyes.
For ten panels with profile height 10 cm
For eight panels with profile height 12 cm
Four Eco retaining brackets 270/405 are required for panel height 270 and four Eco retaining brackets 300/555 are required for panel height 300 cm, see section 5. Permissible load 800 kg (8 kN).

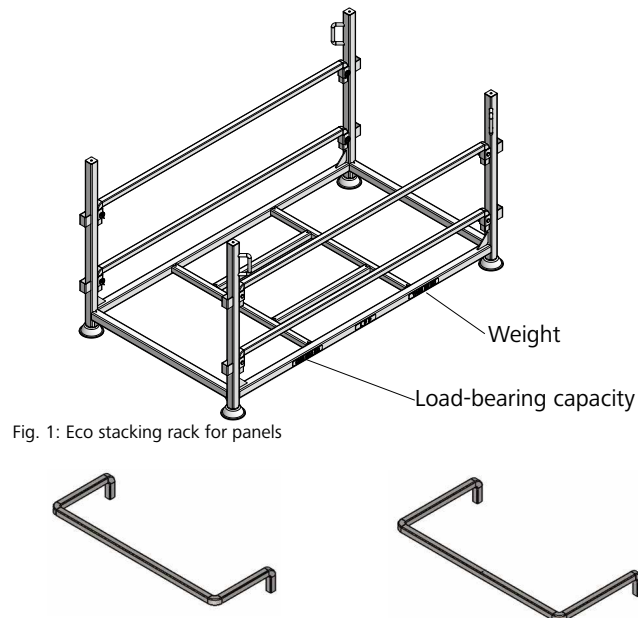


Fig. 2: Eco retaining bracket 270/405
Fig. 3: Eco retaining bracket 300/555
Operating Instructions / Status August 2024

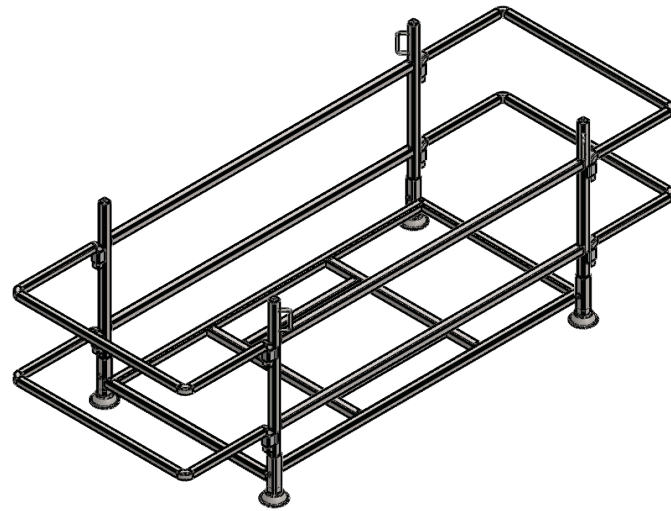


Fig. 4: Eco stacking rack for panels with Eco retaining bracket 300/555 for panel height 300

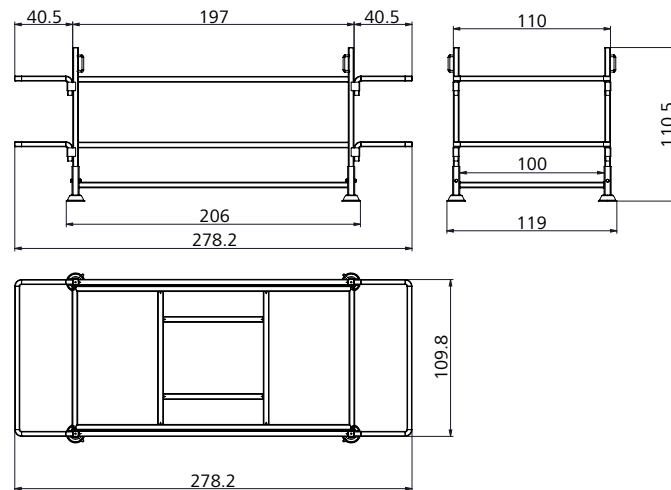


Fig. 5: Eco stacking rack for panels with Eco retaining bracket 270/405 for panel height 270

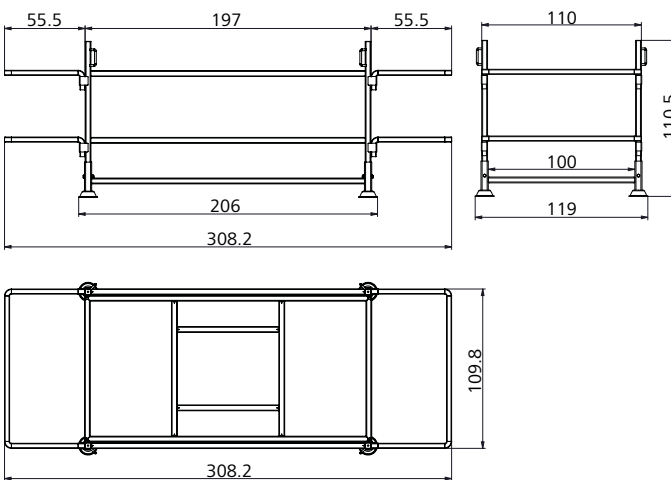


Fig. 6: Eco stacking rack for panels with Eco retaining bracket 300/555 for panel height 300

2. Preventive measures and safety instructions

2.1. Information about the operating instructions

- You must read the operating instructions carefully before using the Eco stacking rack for panels for the first time and make the information provided available to all persons who are authorized to use the Eco stacking rack for panels.
- The Eco stacking rack for panels may only be used by authorised and trained personnel in accordance with the currently applicable national laws and regulations.
- Use the Eco stacking rack for panels only for the applications described in these operating instructions. Impermissible use of the Eco stacking rack for panels can result in damage and in extreme cases to danger to life and limb.
- When using the Eco stacking rack for panels, the crane rope must never be subjected to oblique pulling and the load must never be subjected to abrupt lifting or tilting strike during rotation.
- There must be no persons present below and/or on the raised load.
- The Eco stacking rack for panels must not be used if the load capacity data is illegible (Fig. 1 and Fig. 14).
- The total load capacity of the Eco stacking rack for panels must never be exceeded (see sections 5 and 8).
- A damaged Eco stacking rack for panels must be not be reused.

2.2. Information about use

- Before using it for the first time, the Eco stacking rack for panels must be inspected in accordance with section 6 of these operating instructions.
- Before each use, visually inspect the Eco stacking rack for panels for damage and ensure it is complete and that it functions correctly.
- The Eco stacking rack for panels must only be used for its intended purpose.
- Check that the load is distributed evenly.
- During the lifting process ensure that the load does not swing to and fro or strike other parts. The tips of load hooks must not be subject to load and must move freely in the attachment eyelets. (Figures 10 and 11)
- Loads must be picked up and set down in such a way that the load cannot fall over, fall apart or slide away unintentionally.
- There must be no load and/or persons on the units nor should anyone climb onto the units.

3. Precautionary measures!



There is a risk of crushing accidents during the entire period of use.



Warning of suspended loads.
It is not permitted to transport the load above other people.

Make sure there is nobody in the hazardous area in the vicinity of the load. Use only lifting gear with lifting chains. The load hooks on the lifting chain must be correctly closed and move freely in the attachment eyelets of the Eco stacking rack for panels (Fig. 10).

Ensure that the necessary personal protective equipment required for the use of the Eco stacking rack for panels is available and used for its intended purpose:



- Safety helmet
- Safety footwear
- Safety gloves
- Safety glasses

4. Behaviour in the event of an accident – First aid



- Secure the scene of the accident
- Provide first aid
- Inform the first-aid officer and the supervisor
- Tend to the injured person(s)

5. Correct use

The Eco stacking rack for panels with Eco retaining bracket 300/555 can hold eight MEVA panels with height 300 and profile height 12 cm (Fig. 7) or ten MEVA panels with height 300 and profile height 10 cm (Fig. 8).
The Eco stacking rack for panels with Eco retaining bracket 270/405 can hold ten MEVA panels with height 270 and profile height 10 cm (Fig. 9).
Three Eco stacking rack for panels can be stacked one on top of the other. The Eco stacking rack for panels can be relocated by crane (Fig. 12), forklift truck (Fig. 13) or lift truck.
The maximum load capacity is 800 kg.

- Dimensions: 176 x 82 cm
- Ground clearance: 12 cm
- Stacking height: 109 cm
- Stackability: 3 off
- **Load capacity: 800 kg (8 kN)**
- Superimposed load: 1,600 kg (16 kN)

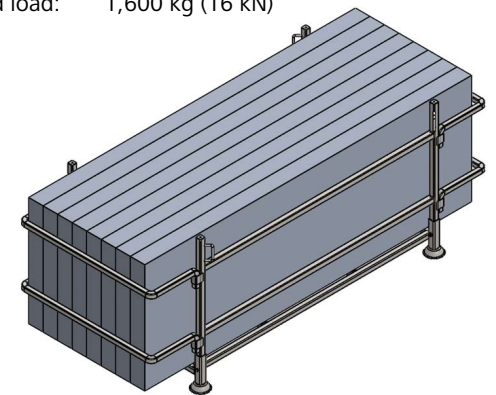


Fig. 7: with Eco retaining bracket 270/405 and eight AluStar AL 270/90 panels

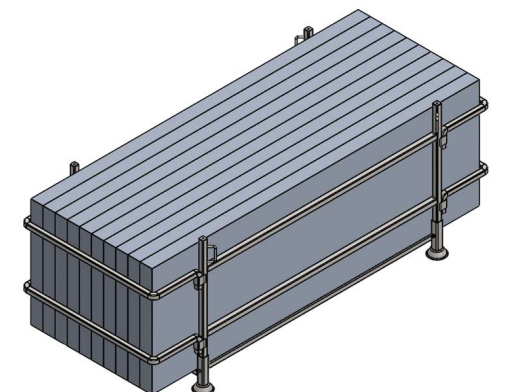


Fig. 8: with Eco retaining bracket 270/405 and ten AluStar AL 270/90 panels

Eco Stacking Rack for Panels

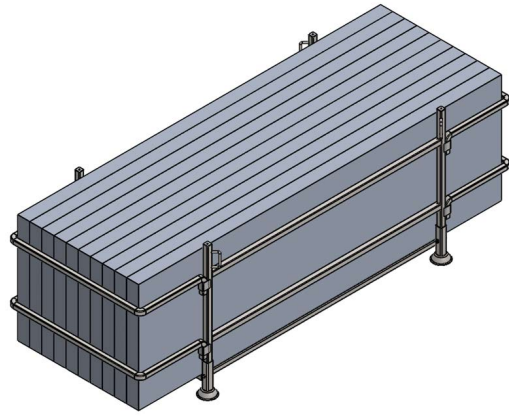


Fig. 9: with Eco retaining bracket 300/555 and ten AluStar AL 300/90 panels

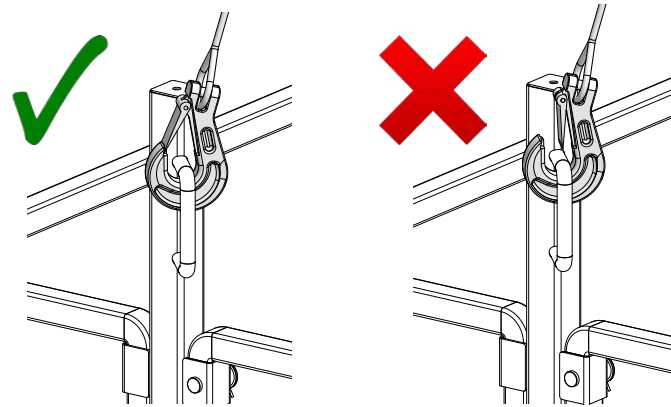


Fig. 10 Load hook closed

Fig. 11 Load hook open

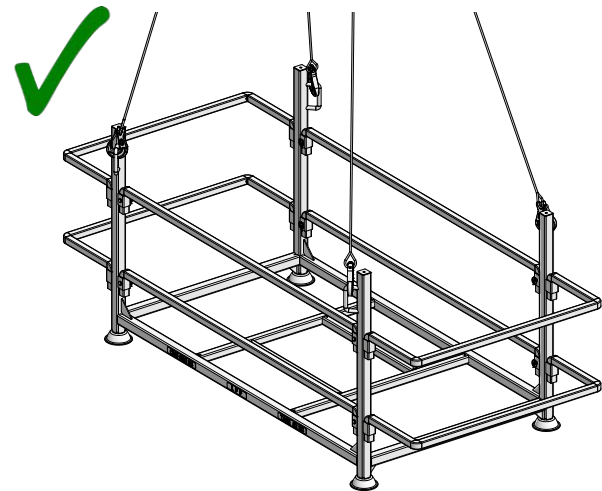


Fig. 12 Attached to all four crane eyes

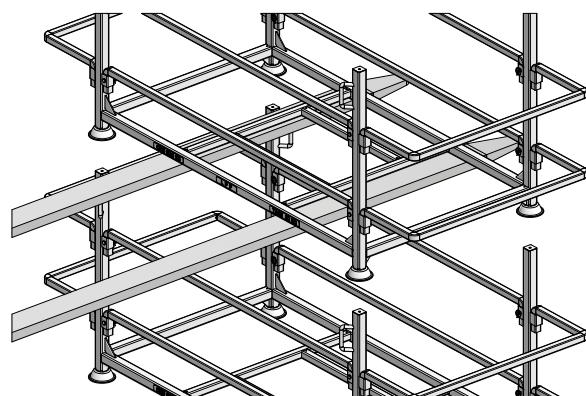


Fig. 13 Transport using a forklift truck



The Eco stacking rack for panels may only be used by authorised and trained personnel.
Only material that is in perfect condition may be used. Ensure that damaged parts cannot be reused. Only original MEVA parts may be used as spare parts or accessories.

5.1 Transport instructions

The Eco stacking rack for panels can be transported in various ways:

- By crane. Ensure that no persons are located in the danger zone of the load. Use only a 4-rope crane sling with lifting chains. The lifting chains must be able to move freely in the attachment point, and the hook must be closed and secured to prevent it disengaging inadvertently (Figures 10 to 12).
- Transport using a lift truck
- Transport using a forklift truck (Fig. 13). The length of the forks must correspond to the dimensions of the Eco stacking rack for panels.

Check the suitability of the lifting tackle used.

Important

Before use, check the Eco stacking rack for panels for damage. Profiles and welds in the area where the load hook is attached must be free of damage. Furthermore, the attachment point at the corner must be free of contamination.

5.2 Avoidable misuse



The total load capacity of 800 kg must not be exceeded, in particular when subject to oblique pulling. The opening angle of the crane slings must not exceed 60°.

- The Eco stacking rack for panels must be located at a position suitable for taking up a load. The ground should be even, slip-resistant and capable of bearing the load.
- The lifting tackle must be approved for the total load capacity (see section 5).
- A maximum of three Eco stacking racks for panels are to be stacked one on top of the other for storage purposes (stability).

Attention



Persons or objects must never be located on the load being transported when this is being moved or is suspended. Furthermore, ensure that there are no loose objects on the unit when it is being moved.

In all phases of use



- Injuries to hands and fingers can occur due to the sharp edges of the Eco stacking racks for panels.
- The stack can strike you or other persons.

5.3 Crane ganging



Attach the crane sling's load hook to the attachment eyelet (Fig. 10) on the Eco stacking rack for panels so that it cannot slide out of the eyelet when a rope or chain is slack. All four load hooks must be attached at all times (Fig. 12).

The lifting chains must be able to move freely in the attachment point, and the hook must be closed and secured to prevent it disengaging inadvertently (Figures 10 and 11).

6. Inspection and maintenance

6.1 Inspection before first use

The Eco stacking rack for panels underwent a final inspection before leaving the factory and is suitable for the corresponding usage. However, before being used for the first time, the Eco stacking rack for panels must be checked by a specialist for any damage that has occurred during transport or due to other causes.

6.2 Inspection

The Eco stacking rack for panels must be visually inspected before every use in accordance with the applicable national industrial safety regulations for damage, deformation, corrosion, cracked welds or incipient cracks in welds, etc. Ensure that the Eco stacking rack for panels is complete and that moving parts are secure, and check it for correct function and wear. Damaged products must be not be reused.

The load capacity data must be legible (Fig. 14).



During the use of the Eco stacking rack for panels, the following must be observed:

- Any contamination such as concrete residue or similar soiling on the Eco stacking rack for panels and on the formwork panels must be completely removed.
- The load capacity data stamped on the lower post of each Eco stacking rack for panels must not be exceeded.
- The permissible uniform superimposed load specified in section 5 must not be exceeded.
- A maximum of three Eco stacking racks for panels may be stacked one on top of the other for reasons of stability.
- Use the Eco stacking rack for panels in such a way that the lifting device, the lifting tackle and the load cannot accidentally unhook.
- Ensure that no persons are located in the danger zone.
- Ensure that the ground is even and capable of bearing the load when setting down the Eco stacking racks for panel.
- If defects are determined that cannot be repaired, the Eco stacking rack for panels is to be disposed of correctly (see section 10).

6.3 Extraordinary inspection

The Eco stacking rack for panels must be subjected to an extraordinary inspection performed by a specialist after a case of damage or an exceptional occurrence that could influence the load-bearing capacity as well as after repairs.

Eco Stacking Rack for Panels

6.4 Maintenance

Any contamination on the Eco stacking rack for panels must be completely removed.

7. Repairs

Repairs must be performed by MEVA or by companies authorised by MEVA. The Eco stacking rack for panels may only be used in its original condition. MEVA assumes no liability for modified products.

8. Load capacity data

The maximum load capacity of the Eco stacking rack for panels is: 800 kg.

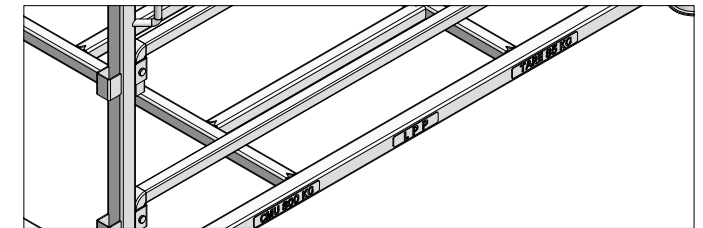


Fig. 14 Load capacity data



The Eco stacking rack for panels must not be used if the load capacity data is missing or illegible (Fig. 1 and Fig. 14).

9. Storage

Ensure that the Eco stacking rack for panels is stored so that it is suitably protected against the effects of weather and aggressive substances, insofar as these have a negative influence on safety.

10. Disposal

Render the Eco stacking rack for panels unusable before disposal. After use, dispose of this product in accordance with the laws and regulations that apply in your country.

11. Information for users

- In countries other than Germany observe the currently applicable national regulations and standards!
- If no country-specific regulations are available, we recommend that you observe the German regulations.
- A person with the necessary expertise must be present when the Eco stacking rack for panels is being used.



Failure to comply with the information provided above will result in the loss of entitlements within the scope of the product liability as well as warranty entitlements.

The Eco stacking rack for panels described here is not a lifting device as defined in the CE guidelines and hence does not require a CE marking.