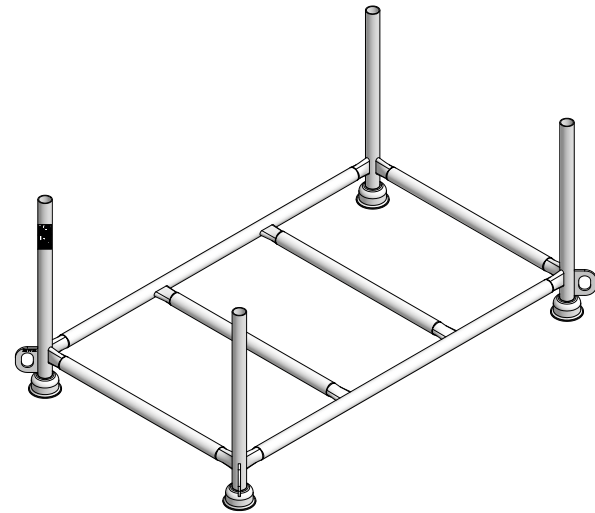


Stacking Rack (Barelle)



Stacking rack

Operating Instructions



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1. Product description / technical data

Ref. no. 27-000-20, weight 34.5 kg
Painted. Used to store and transport props, wooden girders, etc.
(length/width/height 170 x 107 x 78 cm).
Stacking height 72 cm (see section 5). Permissible load-bearing capacity

for longitudinal storage 1,500 kg (15 kN)
for transverse storage 650 kg (6.5 kN)

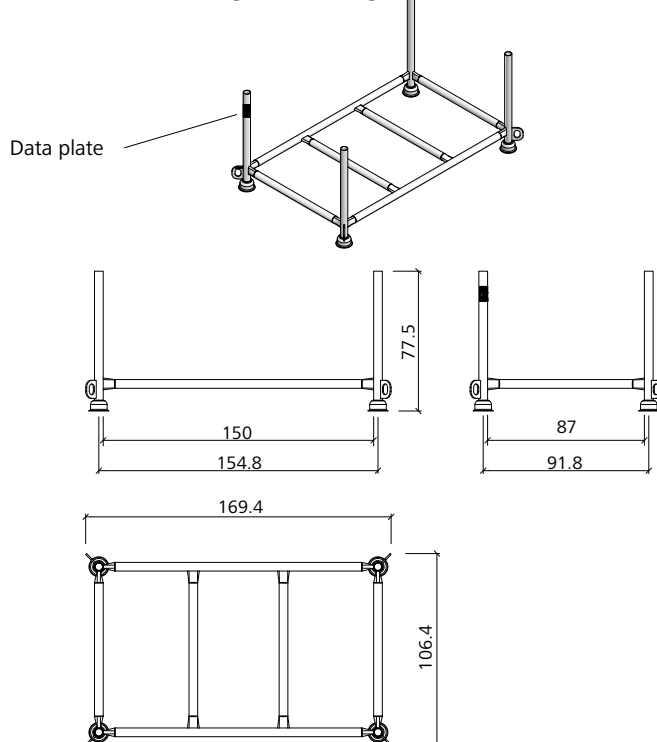


Fig. 1

Operating Instructions / Status July 2025

2. Preventive measures and safety instructions**2.1. Information about the operating instructions**

- You must read the operating instructions carefully before using the stacking rack for the first time and make the information provided available to all persons who are authorized to use the stacking rack.
- The stacking rack may only be used by authorised and trained personnel in accordance with the currently applicable national laws and regulations.
- Use the stacking rack only for the applications described in these operating instructions. Impermissible use of the stacking rack can result in damage and in extreme cases to danger to life and limb.
- When using the stacking rack, 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 stacking rack must not be used if the data plate is missing or if the load capacity data is illegible (Fig. 1 and Fig. 12). If the data plate is missing, these operating instructions are no longer valid (see section 8).
- **The total load capacity of the stacking rack must never be exceeded (see sections 5 and 8).**
- A damaged stacking rack must not be reused.

2.2. Information about use

- Before using it for the first time, the stacking rack must be inspected in accordance with section 6 of these operating instructions.
- Before each use, visually inspect the stacking rack for damage and ensure it is complete and that it functions correctly.
- The stacking rack 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 eyelet (Fig. 7 and Fig. 8).
- Loads must be picked up and set down in such a way that the load cannot fall over, fall apart, slide away or roll 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 stacking rack (Fig. 7).

Ensure that the necessary personal protective equipment required for the use of the stacking rack 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 stacking rack is used to store and transport props, formwork girders H20, etc. (Figures 3 to 6). During transport, the load must be additionally secured by a lashing strap or similar device. The stacking rack is painted and up to four stacking racks can be stacked one on top of the other (Fig. 2). The stacking rack can be moved by crane (Fig. 9), forklift truck (Fig 10), lift truck or on swivel-type castors 100 (ref. no. 29-305-95, Fig. 11).

- Dimensions: 170 x 107 cm
- Filling height: 60 cm
- Ground clearance: 12 cm
- Stacking height: 72 cm
- Stackability: 4 off
- **Capacity:**
 - for longitudinal storage 1,500 kg (15 kN)**
 - for transverse storage 650 kg (6.5 kN)**
 - Superimposed load: 4500 kg (45 kN)

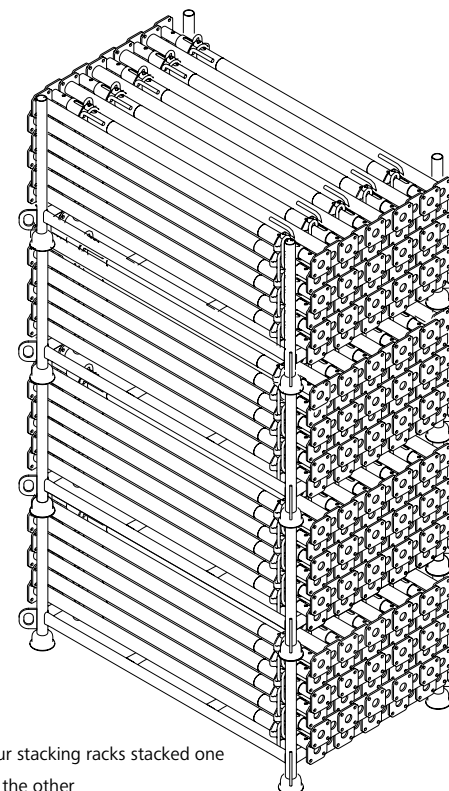


Fig. 2: Four stacking racks stacked one on top of the other

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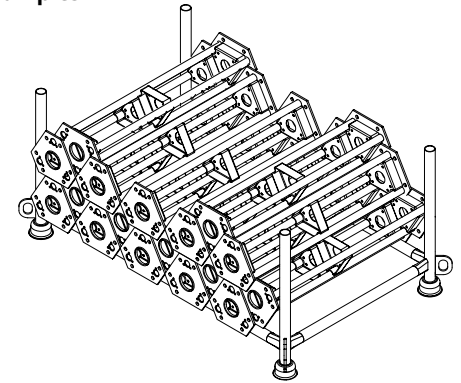
Loading examples

Fig. 3: Transverse storage, e.g. with Triplex intermediate piece 100

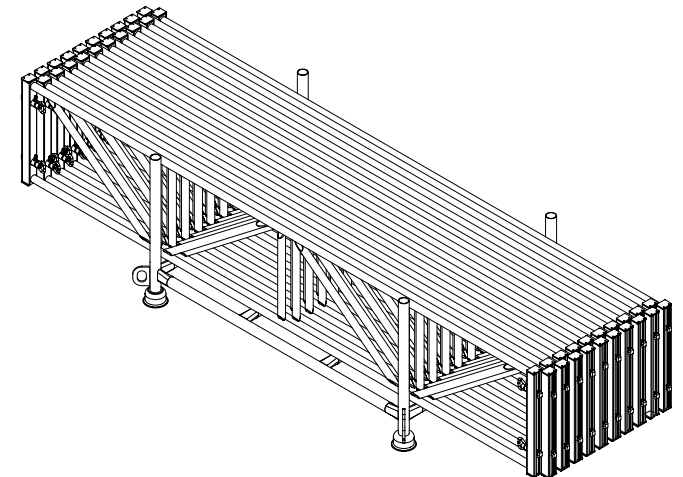


Fig. 4: Stacking rack filled with frame 330 MEP

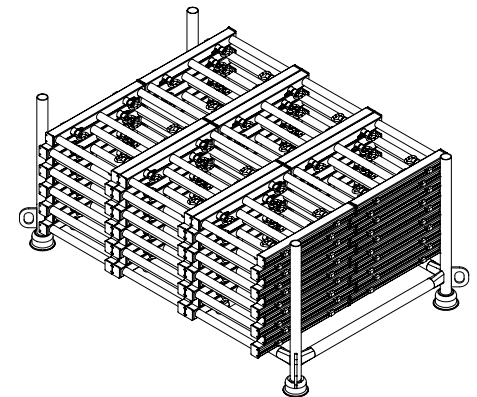


Fig. 5: Stacking rack filled with frame 55 MEP

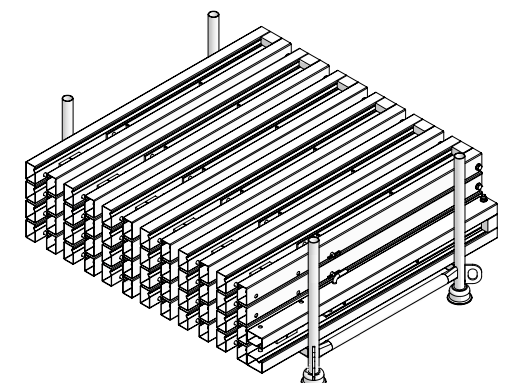


Fig. 6: Stacking rack filled with brace bracket SK 150

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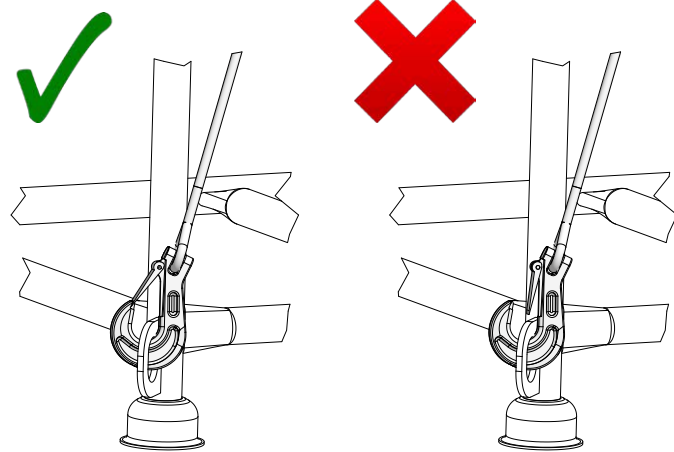


Fig. 7: Load hook closed

Fig. 8: Load hook open

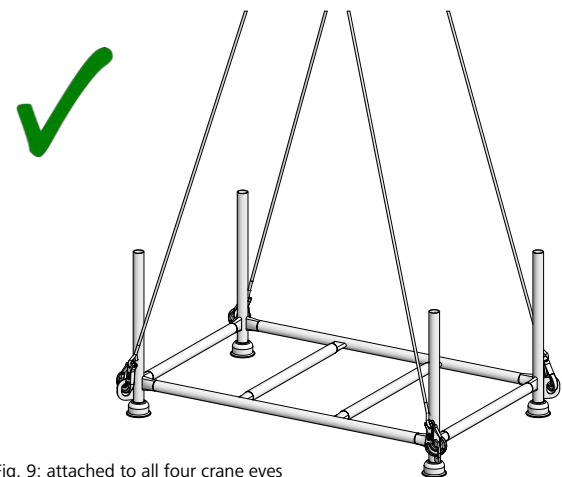


Fig. 9: attached to all four crane eyes

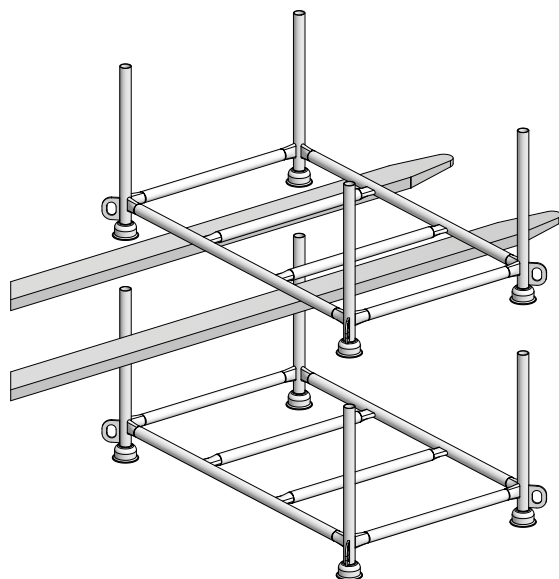


Fig. 10: Transport using a lift truck

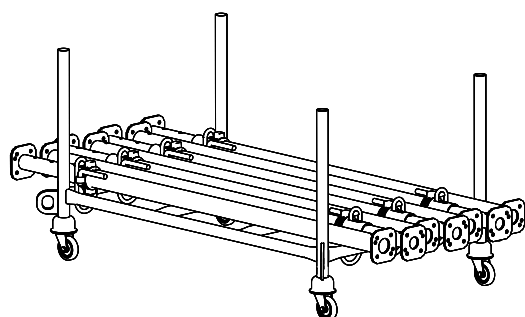


Fig. 11: Stacking rack with swivel-type castors 100



The stacking rack 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 stacking rack 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 7 to 9)
- Transport using a lift truck
- Transport using a forklift truck (Fig. 10). The length of the forks must correspond to the dimensions of the stacking rack.
- Can be moved on swivel-type castors 100 (Fig. 11)
A connection to a vehicle is not permitted.

Check the suitability of the lifting tackle used.

Important

Before use, check the stacking rack for damage. Profiles and welds in the area where the crane hook is attached must be free of damage.

5.2 Avoidable misuse



- The total load capacity longitudinally of 1500 kg and transversely of 650 kg for each stacking rack must not be exceeded.
- The opening angle of the crane slings must not exceed 60°.
- The stacking rack 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 sections 5 and 8).
- A maximum of four stacking racks are to be stacked one on top of the other for storage purposes (Fig. 2, stability).

Attention



Persons or objects must never be located on the load being transported when this is being moved or is suspended.

In all phases of use:



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

5.3 Crane ganging



Attach the crane sling's load hook to the attachment eyelet (Fig. 7) on the stacking rack 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. 9).

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 7 and 8).

6. Inspection and maintenance

6.1 Inspection before first use

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

6.2 Inspection

The stacking rack 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 stacking rack is complete and that moving parts are secure, and check it for correct function and wear. Damaged products must be not be reused.

The data plate (Fig. 1 and Fig. 12) must be present and the load capacity data must be legible.

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

- The load capacity of each stacking rack specified on the data plate must not be exceeded.
- The permissible uniform superimposed load specified on the data plate must not be exceeded.
- A maximum of four stacking racks may be stacked one on top of the other for reasons of stability.
- The maximum permissible filling height of 60 cm must be observed.
- 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 stacking rack.
- If defects are determined that cannot be repaired, the stacking rack is to be disposed of correctly (see section 10).

6.3 Extraordinary inspection

The stacking rack 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.

6.4 Maintenance

Any contamination on the stacking rack must be completely removed.

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7. Repairs

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

8. Data plate and maximum load capacity

For longitudinal storage: **1,500 kg**.

For transverse storage: **650 kg**.

MEVA Schalungs-Systeme GmbH Industriestraße 5 D-72221 Haiterbach	Baujahr siehe Prägung an Kranöse year of production see stamping on crane eye
Bezeichnung: Stapelgestell Zul. Tragfähigkeit bei:	Description: Stacking rack load bearing capacity:
Längseinlagerung: 1500 kg Quereinlagerung: 650 kg	lengthwise storage: 3300 lbs transverse storage: 1430 lbs
Max. Auflast: 4500 kg Eigengewicht: 34.5 kg	max. superimposed load: 9930 lbs net weight: 71 lbs
Artikelnummer: 27-000-20	item number: 27-000-20

Fig. 12: Data plate



The stacking rack must not be used if the data plate is missing or illegible (Fig. 12).

9. Storage

Ensure that the stacking rack 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

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