

Transport Spreader 250/540 Operating Instructions



MEVA Schalungs-Systeme GmbH

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

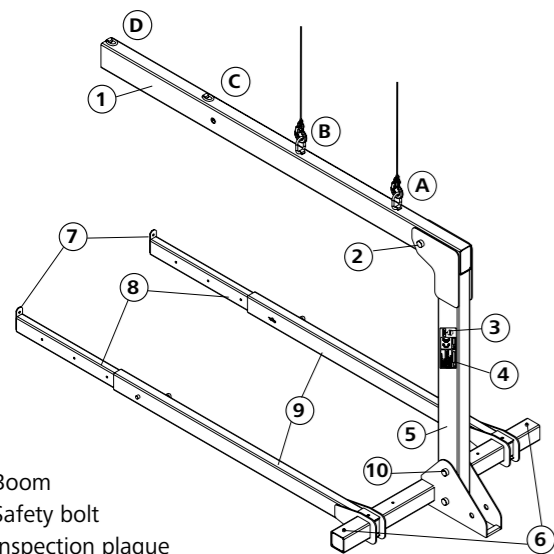
www.meva.net

3614 GB 03/2022 50 PDF Printed in Germany

1. Product description

29-910-90 Transport spreader 250/540, weight 733.0 kg Galvanized, foldable. Max. load capacity 10 kN (1 ton). Used to move slab tables with a crane. The length can be adjusted from 3.25 m to 5.00 m and the width from 0.50 m to 2.00 m.

- Ⓐ Fixed attachment point
- Ⓐ and Ⓑ Forks are horizontal (without additional load)
- Ⓑ, Ⓒ, Ⓓ Selection of the attachment point according to the centre of gravity of the overall system



- ① Boom
- ② Safety bolt
- ③ Inspection plaque
- ④ Data plate
- ⑤ Post
- ⑥ Hexagonal-socket cap screw
- ⑦ Stop
- ⑧ Fork extension
- ⑨ Fork
- ⑩ Bolt with cotter pin

2. Preventive measures and safety instructions

2.1. Information about the operating instructions

- You must read the operating instructions carefully before using the transport spreader 250/540 for the first time and make the information provided available to all persons who are authorized to use the transport spreader 250/540.
- The transport spreader 250/540 may only be used by authorised and trained personnel in accordance with DGUV R 109-017.
- Use the transport spreader 250/540 only for the use described in these operating instructions. Impermissible use of the transport spreader 250/540 can result in damage and in extreme cases to danger to life and limb.
- When using the transport spreader 250/540, the load must never be subjected to oblique pulling, abrupt lifting or tilting strike during rotation.
- There must be no persons present below and/or on the raised load.
- The transport spreader 250/540 must not be used if the data plate is missing or the load capacity data is illegible.

If the data plate is missing, the CE declaration and the operating instructions are no longer valid.

- Never exceed the load capacity of the transport spreader 250/540.

2.2. Information about use

- Before using it for the first time, the transport spreader 250/540 must be inspected in accordance with section 6 of these operating instructions.
- Before each use, visually inspect the transport spreader 250/540 for damage and ensure it is complete, that moving parts are secure and that it functions correctly.
- Ensure that the load is distributed evenly.
- During the lifting process ensure that the load attached to the transport spreader 250/540 does not swing to and fro or collide with other objects.
- The tips of load hooks must not be subject to load and must move freely in the attachment eyelet.
- Hang up empty load hooks if there is a risk that they can hook unintentionally.
- 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.

3. Precautionary measures!



There is a risk of crushing accidents during the entire lifting process.



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 hook on the lifting chain must move freely in the attachment eyelet of the transport spreader 250/540.

Ensure that the necessary personal protective equipment required for the use of the transport spreader 250/540 is available and used for its intended purpose:

- Safety helmet
- Safety footwear
- Safety gloves
- Safety glasses
- Personal fall protection equipment

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 transport spreader 250/540 is a lifting device for every kind of slab table. The transport spreader 250/540 is used to move slab tables with sizes 250/400 and 250/500 by crane. In particular, it is intended for the removal of slab tables, for example from the storeys of a building where it is not possible to use a 4-rope crane sling. It is attached to the crane and requires no accessories (Figures 1 and 2).

The maximum load capacity is 1000 kg.



The capacity of the crane sling provided at the construction site must be sufficient to lift the loads that occur.

Weight of table + transport spreader (733 kg) = required crane capacity.

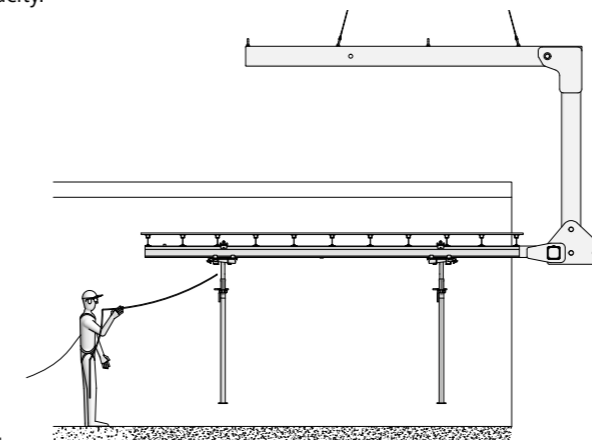


Fig. 1

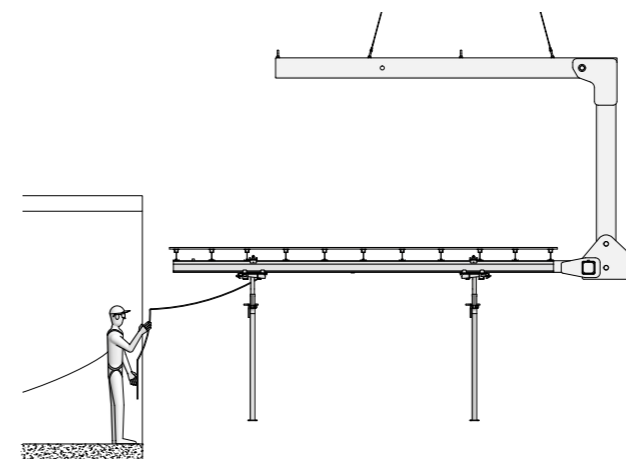


Fig. 2



The transport spreader 250/540 may only be installed by trained personnel who possess the necessary knowledge and skills (in accordance with the applicable national regulations).



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.

Note

The transport spreader 250/540 is delivered in a stacking rack. Transport length 4.40 m, transport width 2.40 m (Fig. 3).

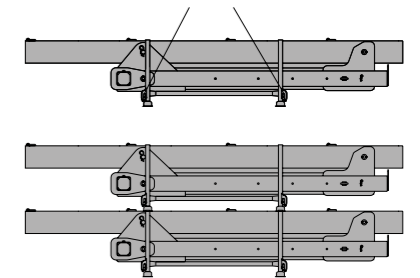


Fig. 3 As-received condition

5.1 Installation

The transport spreader 250/540 is secured during transport. To prepare it for use, proceed as follows (Fig. 4):

1. Remove the hexagonal-socket cap screws ⑥, rotate the forks ⑨ through 180° and then screw the hexagonal-socket cap screws ⑥ back in. The forks can now be adjusted steplessly.
2. Remove the bolt with cotter pin ⑩ to allow the post ⑤ to be swung into the upright position.
3. Attach the crane to the outer attachment points Ⓐ and Ⓓ, pull the transport spreader 250/540 upwards and lock the post ⑤ in the cross brace with the bolt and cotter pin ⑩.

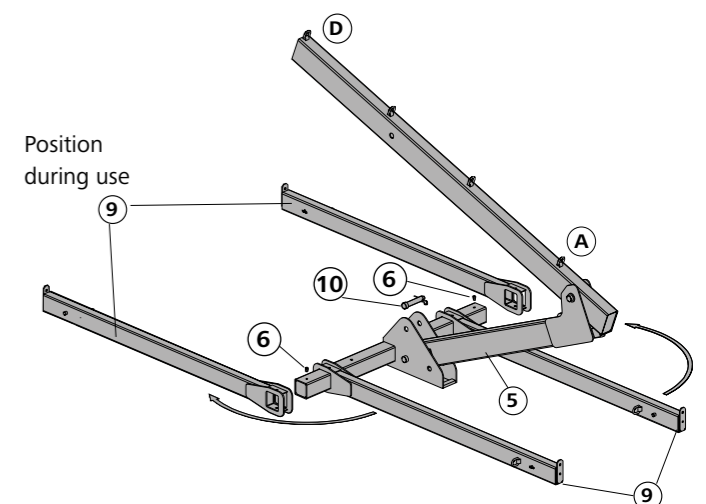


Fig. 4 Preparing for use

Position when delivered

First use after delivery

- Attach the transport spreader to the crane using the two outer attachment points (A) and (D) (Fig. 5.1).
- Remove the cotter pin and pull the bolt out of the central connection (Fig. 5.2).
- Pull the transport spreader up completely with the crane (Figures 5.3 and 5.4).
- When the transport spreader is completely folded out, replace the bolt and secure it with the cotter pin (Figures 5.5 and 5.6).

The transport spreader 250/540 adjusts itself to the working position. When ready for use, the forks can be pushed together or spread apart to the desired position. Their length can be adjusted steplessly from 3.20 m to 5.00 m and their spread from 0.50 m to 2.00 m. The hexagonal-socket cap screws at the end prevent the forks from sliding off.

When the pull from the crane is released, the boom swings down to allow the load hooks to be removed at ground level (Figures 5.5 and 5.6).

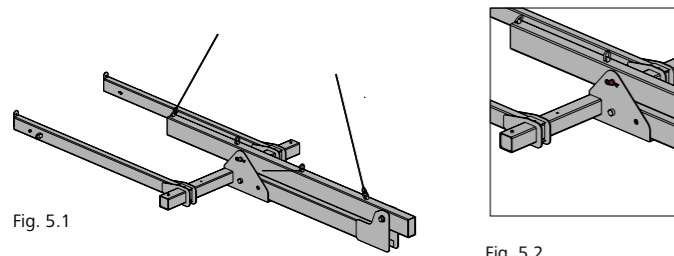


Fig. 5.1

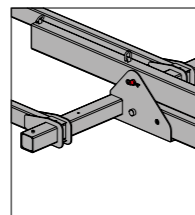


Fig. 5.2

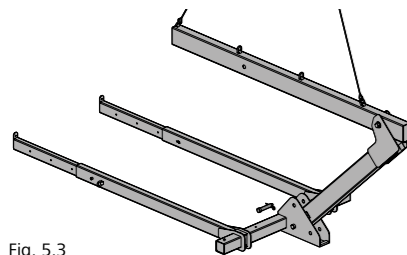


Fig. 5.3

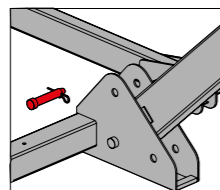


Fig. 5.4

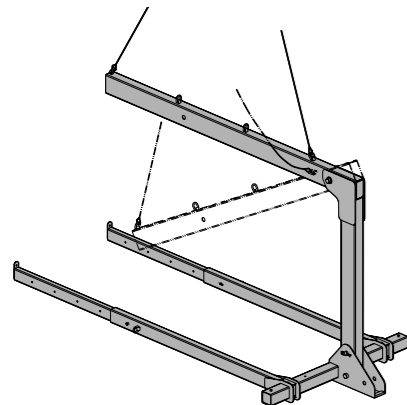


Fig. 5.5 When the pull from the crane is released, the boom swings down to allow the load hooks to be removed at ground level

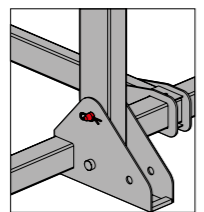


Fig. 5.6

Important

Before use, check the transport spreader 250/540 for damage. Profiles and welds on the slab table in the area where the transport spreader is attached must be free of damage. Furthermore, the attachment point must be free of contamination.

5.2 Avoidable misuse

- Lifting of non-approved loads
- Overloading of the transport spreader 250/540 with excessive loads
- Incorrect or off-centre attachment of the transport spreader 250/540 to the slab table
- Use of incorrect attachment points for the transport spreader 250/540

Attention

- Persons must never be present on the transport spreader 250/540 or the slab table to be transported, nor should objects be placed on these, when the slab table is to be relocated.

In all phases of use

- Injuries to hands and fingers can occur due to the sharp edges of the transport spreader 250/540.
- The transport spreader 250/540 with or without slab table can strike you or other persons.

5.3 Crane ganging

The transport spreader 250/540 may only be installed, repositioned or removed under the supervision of a person with the necessary expertise and by suitably qualified persons. The suitably qualified persons must receive appropriate training in the work to be carried out with regard to specific hazards.

- Attach the load hooks to the attachment points on the transport spreader 250/540 so that they cannot slide out of the eyelets when a rope or chain is slack.

6. Inspection and maintenance

6.1. Inspection before first use

The transport spreader 250/540 underwent a final inspection before leaving the factory and is suitable for the corresponding usage. However, before being used for the first time, the transport spreader 250/540 must be checked by a specialist for any damage that has occurred during transport or due to other causes. Particular attention must be paid to cracks (welds), corroded areas and deformation.

6.2. Inspection

The transport spreader 250/540 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 transport spreader 250/540 is complete and that moving parts are secure, and check it for correct function and wear. Damaged products must not be used and must be put to one side.

The data plate and the load capacity data must be present and legible.

Important

Before using the transport spreader 250/540, check the slab table for damage. Profiles and welds on the slab table in the area where the transport spreader is attached must be free of damage. Furthermore, the attachment point must be free of contamination.



During use of the transport spreader 250/540, the following must be observed:

- Ensure that the attachment points on the boom are fit for use.
- Check that all latches and locks can move freely.
- The transport spreader 250/540 must not be used in the event of damage (cracking, deformation), in particular to the hinges.
- Exceeding the permissible loading can result in excessive elongation of the attachment points and thus permanent deformation. In this case, the transport spreader 250/540 must be taken out of service.
- The transport spreader 250/540 must not be used if corrosion is detected!
- Ensure that the head bolt and the cotter pin are attached to the transport spreader 250/540 and undamaged.

6.3. Extraordinary inspection

According to DGUV R 109-017, the transport spreader 250/540 must be subjected to an extraordinary inspection performed by a specialist after cases of damage or exceptional occurrences that can influence the load-bearing capacity and also after repairs. Accessories must be checked in accordance with their specific inspection requirements.

6.4. Maintenance

Any contamination such as concrete residue or similar soiling on the transport spreader 250/540 must be completely removed.

7. Repairs

Repairs must be carried out by the manufacturer and the transport spreader 250/540 may only be used in its original condition. MEVA assumes no liability for modified products.

8. Data plate and maximum load capacity

MEVA Schalungs-Systeme GmbH Industriestraße 5 D-72221 Halterbach		Nächste Prüfung spätestens
Bezeichnung: Versetztraverse 250/540 Zul. Tragfähigkeit: 1000kg (Tischgewicht) Eigengewicht: 733 kg Artikelnummer: 29-910-90		Prüfplakette
Ident-Nr. <input type="text"/>	Baujahr: <input type="text"/>	

Fig. 7



Fig. 8 Example inspection plaque



The transport spreader 250/540 must not be used if the inspection plaque is missing or illegible (Fig. 8). Any necessary repairs must be performed by MEVA.

9. Storage

Store the transport spreader 250/540 in a well-ventilated location where it is not exposed to the elements or aggressive substances.

10. Disposal

Render the transport spreader 250/540 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 transport spreader 250/540 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.

Declaration of Conformity for the purpose of the directive 2006/42/EC		
Producer	Person based in the community, who is authorised, to collect the relevant technical documentation:	
MEVA Schalungs-Systeme GmbH Industriestraße 5 72221 Halterbach GERMANY	Dr. Olaf Leitzbach MEVA Schalungs-Systeme GmbH Industriestraße 5 72221 Halterbach GERMANY	
states explicitly, regarding the product		
<ul style="list-style-type: none"> product description: Transport spreader 250/540 ref.-No.: 29-910-90 		
which this declaration refers to, the appropriate regulations of the following EC-directive are considered:		
<ul style="list-style-type: none"> 2006/42/EC Directive 2006/42/EC of the European Parliament and of the Council of 17 May 2006 on machinery, and amending Directive 95/16/EC (recast) 		
Source of the applied harmonized standards according to article 7 paragraph 2:		
<ul style="list-style-type: none"> DIN EN 13155:2009-08 Cranes – Safety – Non-fixed load lifting attachments DIN EN ISO 12100:2011-03 Safety of machinery – General principles for design – Risk assessment and risk reduction 		
Halterbach, 2018-07-24		
	Florian F. Dingler (CEO)	
	F884071-001/08.2013	