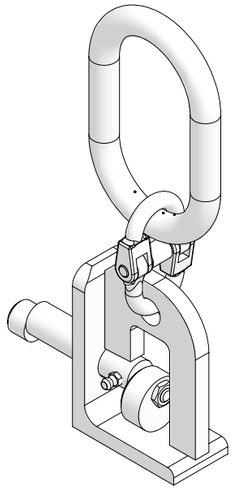

Lifting Hook

Operating Instructions

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1. Product description / technical data
29-401-42 Lifting hook 40, weight 1.6 kg
29-401-40 Lifting hook 60, weight 1.7 kg

Galvanized. Allows any 4-rope crane sling available on site to be used to move the panel stacks (always use four hooks at a time). Load capacity 10 kN (1 ton) per lifting hook (see section 5)

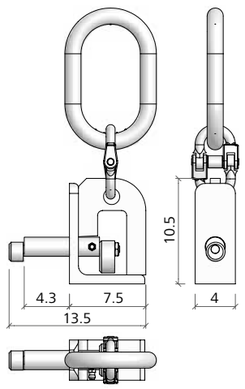

Fig. 1
Lifting hook 40

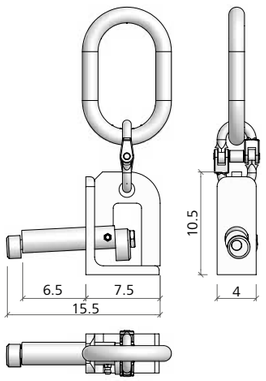

Fig. 2
Lifting hook 60

2. Preventive measures and safety instructions
2.1. Information about the operating instructions
- You must read the operating instructions carefully before using the lifting hook for the first time and make the information provided available to all persons who are authorized to use the lifting hook.
- The lifting hook only be used by authorised and trained personnel in accordance with DGUV R 109-017.
- Use the lifting hook only for the use described in these operating instructions. Impermissible use of the lifting hook can result in damage and in extreme cases to danger to life and limb.
- When using the lifting hook, 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.
- Never exceed the load capacity of the lifting hook.

2.2. Information about use
- Before using it for the first time, the lifting hook must be inspected in accordance with section 6 of these operating instructions.
- Before each use, visually inspect the lifting hook for damage and ensure it is complete, that moving parts are secure and that is functions correctly.
- Ensure that the load is distributed evenly.
- During the lifting process ensure that the load attached to the lifting hook 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.
- 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 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 hook on the lifting chain must move freely in the attachment eyelet of the lifting hook.

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 MEVA lifting hook is used for fast loading and unloading of individual panels or panel stacks and enables them to be moved at ground or slab level. Use the lifting hook 40 (29-401-42) for StarTec, StarTec XT and AluStar panels and the lifting hook 60 (29-401-40) for Mammut, Mammut 350 and Mammut XT panels in conjunction with an available 4-rope crane sling.

The maximum load capacity per lifting hook is 10 kN (1.0 t).
According to DGUV-R 109-017, section 4.1.2, only two strands may be considered to be load-bearing (20 kN (2.0 t)) when slinging with several strands.
This does not apply if it has been ensured that the load is distributed evenly over further strands or if the permissible loading of the individual strands is not exceeded in the event of an unequal load distribution (max. 30 kN (3.0 t)).

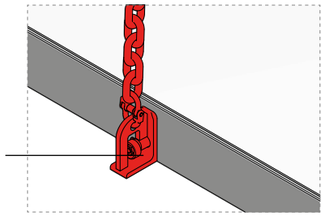

Fig. 3

The lifting hook 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.

Fig. 4

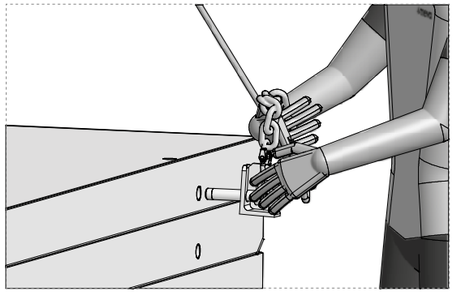

Fig. 5

5.1 Installing the lifting hook
Turn the eccentric upwards and insert it in the transport hole in the panel (Fig. 5). The eccentric falls down automatically and thus securely locks the lifting hook in the panel. Always attach four lifting hooks symmetrically to the same panel. When lifting panel stacks, always install safety bolts (Fig. 4) between the panels to prevent them from shifting.

Lifting Hook

Important
Before use, check the lifting hook for damage. Profiles and welds in the area where the lifting hook is attached must be free of damage. Furthermore, the attachment point must be free of contamination.

5.2 Avoidable misuse

GEFAHR
- Check that the eccentric on the lifting hook can be moved freely.
- Use the lifting hook in such a way that the lifting device, the lifting tackle and the load cannot accidentally disengage.
- Do not exceed the load capacity.
- Always attach four lifting hooks symmetrically to the same panel (Fig. 7).
- Ensure that no persons are located in the danger zone.
- Remove all loose parts or secure them against falling.
- If defects are determined, the lifting hook is to be disposed of correctly.

A lifting hook must only be used if its eccentric turns easily or falls automatically into the locked position (Fig. 6).
Never use a lifting hook if you need force to turn its eccentric. Turning the eccentric with force may not lock the lifting hook but only make it appear to be in the locked position. This may cause the lifting hook to slip out when lifting the panel stack.

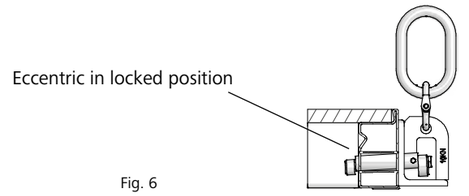

Fig. 6

Attention

Persons must never be located on the panels when these are being moved or are 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 lifting hook or the panels.
- The formwork on the crane sling can strike you or other persons.

5.3 Crane ganging
The lifting hook may only be used 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.

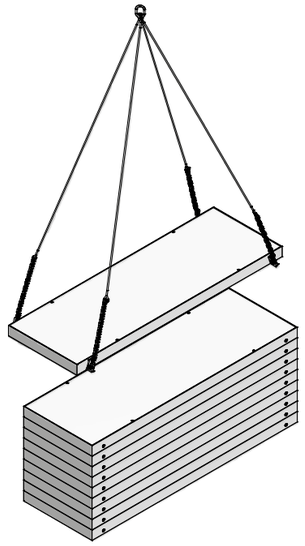

Fig. 7

Note

- → MEVA lifting hooks may only be use to move panels horizontally, not vertically.
- → Use only lifting gear with lifting chains.
- → The carabiner on the lifting chains must move freely in the attachment eyelet of the MEVA lifting hook.
- → Make sure there is nobody in the hazardous area in the vicinity of the load.
- → Ensure that loose parts have been removed from the panel(s) before relocating them.

6. Inspection and maintenance

6.1 Inspection before first use

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

6.2 Inspection

The lifting hook 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 lifting hook is complete and the eccentric moves freely, and check it for correct function and wear. Damaged products must not be used and must be put to one side.

Important

Before installing the lifting hook, inspect the formwork panel for damage. Profiles and welds in the area where the lifting hook is attached must be free of damage. Furthermore, the attachment points on the panels must be free of contamination. Any necessary repairs must be performed by MEVA.

Lifting Hook

During use of the lifting hook, the following must be observed:

- → Any contamination such as concrete residue or similar soiling on the lifting hook must be completely removed.
- → Check the eccentric.
- → Use the lifting hook in such a way that the panel cannot accidentally disengage.
- → Do not exceed the maximum load capacity.
- → Ensure that no persons are located in the danger zone.
- → Ensure that the ground is even and capable of bearing the load.
- → Remove all loose parts or secure them against falling.
- → If defects are determined, the lifting hook is to be disposed of correctly.

6.3 Extraordinary inspection

According to DGUV R 109-017, the lifting hook 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 lifting hook must be completely removed. The attachment points on the panel profiles must also be free of contamination and show no signs of damage.

7. Repairs

Repairs must be carried out by the manufacturer and the lifting hook may only be used in its original condition. MEVA assumes no liability for modified products.

8. Maximum load capacity

The maximum load capacity is **10 kN (1 ton)** per lifting hook (see section 5).

9. Storage

Ensure that the lifting hook 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 lifting hook 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 lifting hook 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

meva

Producer

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GERMANY

Person based in the community, who is authorised, to collect the relevant technical documentation:

Dr. Olaf Leitzbach
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states explicitly, regarding the product

- product description: **Lifting hook 40 / Lifting hook 60**
- ref.-No.: **29-401-42 / 29-401-40**

which this declaration refers to, the appropriate regulations of the following EC-directive are considered:

- 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:

- 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

Haiterbach, 2018-07-24

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(CEO)

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