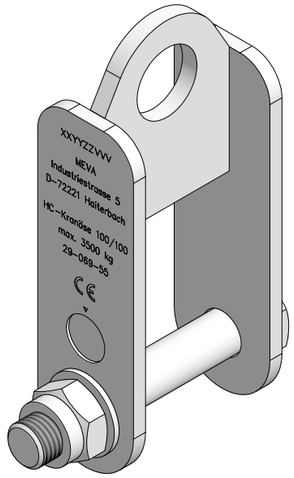

HC Crane Eye 100/100

Operating Instructions

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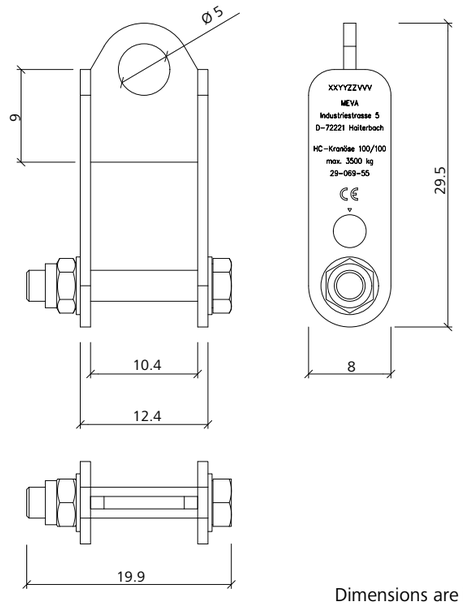
1. Product description / technical data

29-069-55 HC crane eye 100/100 5.48 kg
Steel, galvanized. Used during the assembly of shaft platforms to relocate individual storeys or the complete shaft platform. It is used as an attachment point during crane-dependent climbing (for use refer to section 5).
Load capacity: 35 kN (3.5 t).



Dimensions are in cm

2. Preventive measures and safety instructions

2.1. Information about the operating instructions

- → You must read the operating instructions carefully before using the HC crane eye 100/100 for the first time and make the information provided available to all persons who are authorized to use the HC crane eye 100/100.
- → The HC crane eye 100/100 may only be used by authorised and trained personnel in accordance with the currently applicable national laws and regulations.
- → Use the HC crane eye 100/100 only for the applications described in these operating instructions. Impermissible use of the HC crane eye 100/100 can result in damage and in extreme cases to danger to life and limb.
- → When using the HC crane eye 100/100, 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 HC crane eye 100/100 must not be used if the load capacity data is illegible.
- → If the data plate is illegible, the CE declaration and the operating instructions are no longer valid.
- → Never exceed the load capacity of the HC crane eye 100/100.
- → Damaged HC crane eyes 100/100 must be not be reused.
- → The HC crane eye 100/100 is designed for a maximum of 16,000 cycles at full load.

2.2. Information about use

- → Before using it for the first time, the HC crane eye 100/100 must be inspected in accordance with section 6 of these operating instructions.
- → Before each use, visually inspect the HC crane eye 100/100 for damage and ensure it is complete, that moving parts (bolts) are secure and that is functions correctly.
- → The HC crane eye 100/100 must only be installed at the position provided for this purpose.
- → Ensure that the load is distributed evenly.
- → During the lifting process ensure that the HC crane eye 100/100 and the attached load do 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.
- → 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.
- → During transport there must be no load and/or persons on the HC shaft platform units nor should anyone climb onto the HC shaft platform 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 hook on the lifting chain must move freely in the attachment eyelet of the HC crane eye 100/100. Remove loose parts from the shaft platform.

Ensure that the necessary personal protective equipment required for the use of the HC crane eye 100/100 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

Use between the crane and the load for HC shaft platforms. The HC crane eye 100/100 is used during the assembly of the shaft platforms to relocate individual storeys of the shaft platform or to relocate the complete shaft platform. Four HC crane eyes 100/100 must always be used for every relocation process. The HC crane eye 100/100 is used as an attachment point during crane-dependent climbing.
Crossbeams (torsionally rigid hollow profiles) are mounted with a positive-fit connection on the shaft platform girders used as main beams. The HC crane eyes 100/100 are attached at the correct positions on these crossbeams. The HC crane eye 100/100 can only be attached to hollow profiles with a width of 100 mm. These are generally designed and manufactured to suit the shaft dimensions.

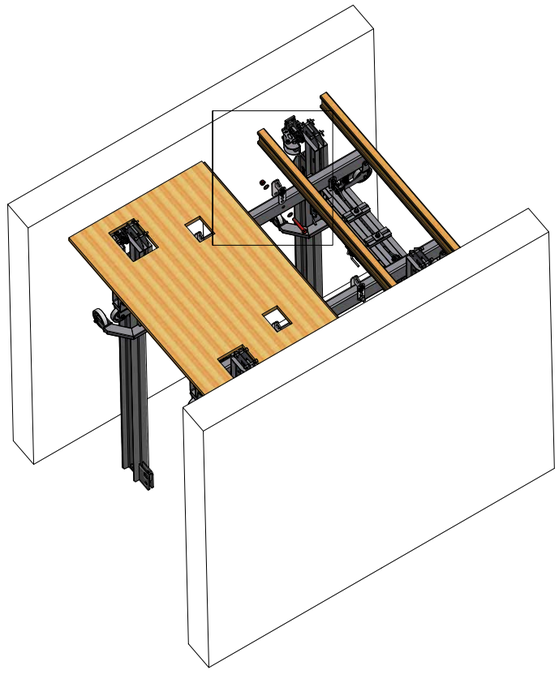


Fig. 1

The maximum load capacity per HC crane eye 100/100 is 35 kN (3.5 t).
According to DGUV-R 109-017, section 4.1.2, only two strands may be considered to be load-bearing (70 kN (7.0 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. 105 kN (10.5 t)).

The installation may only be performed 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 used.

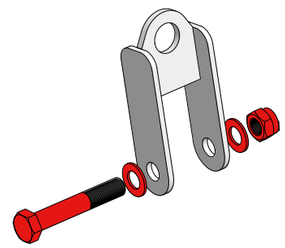


Fig. 2

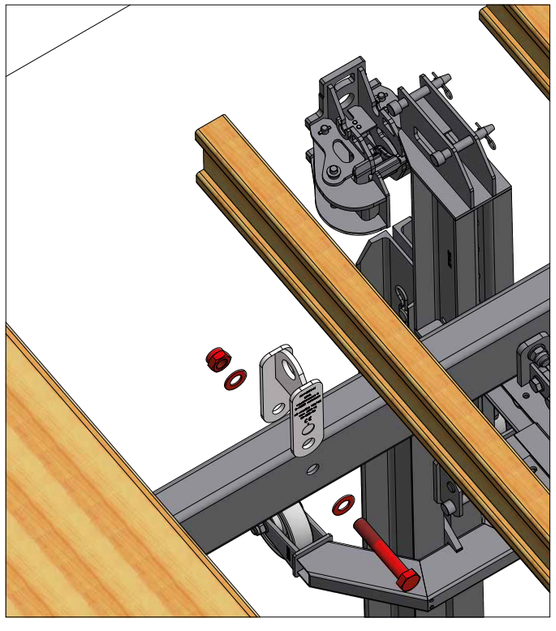


Fig. 3

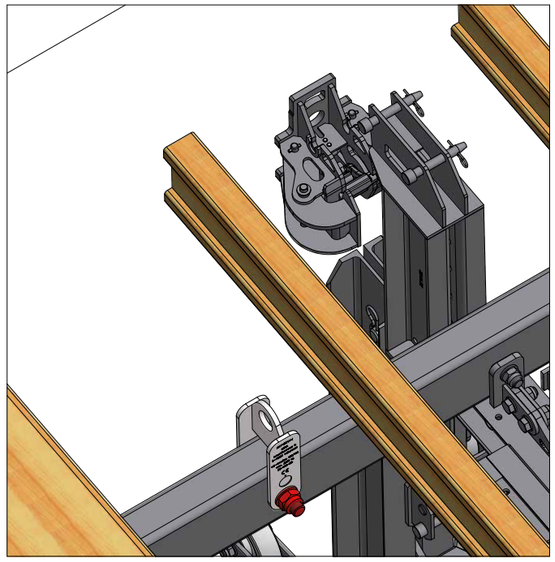


Fig. 4

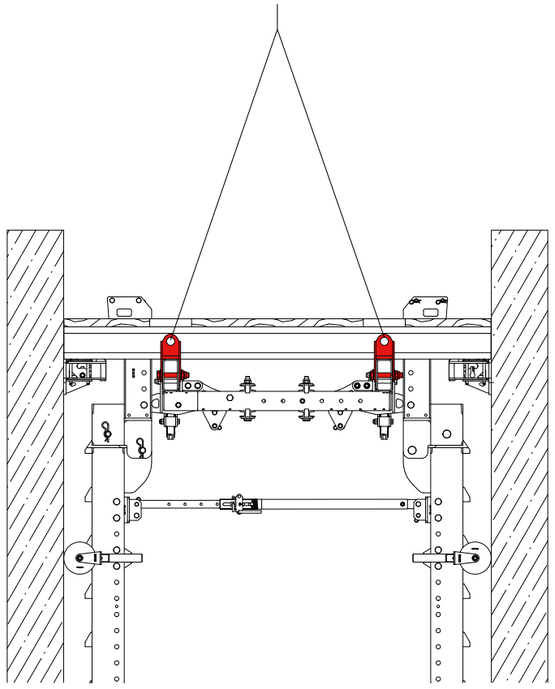


Fig. 5

5.1. Installing the HC crane eye 100/100

The HC crane eye 100/100 is installed as depicted in Figures 1 to 5.
First of all, remove the hexagon-head bolt including washers and nut using a tool with WAF 46 (Fig. 2).
Align the crane eye with the hole in the crossbeam (Fig. 3).
Insert the hexagon-head bolt through the crossbeam with a washer on each side and secure it with the hexagonal nut (Fig. 4).

Important
Before use, check the HC crane eye 100/100 for damage. Profiles and welds in the area where the HC crane eye 100/100 is attached must be free of damage. Furthermore, the attachment points must be free of contamination.

5.2 Avoidable misuse

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- → Loads too heavy, especially when subject to oblique pulling.
- → Angle too large when subject to oblique pulling.
- → The HC crane eye 100/100 is not installed at a position suitable for taking up a load.
- → The load-capacity of the hollow profile to which the HC crane eye 100/100 is attached is insufficient.
- → The load-bearing capacity of the connection between the hollow profile and the shaft platform girder is insufficient.
- → A different type of profile is used instead of the stipulated hollow profile made of steel.
- → The HC crane eyes 100/100 are poorly accessible or the pull angle cannot be set because the opening in the platform planking is too small.
  If the opening is too small, the crane hook will contact the platform planking in an undefined manner and in the worst case may unhook.

Attention: The load-bearing capacity of the hollow profile and the hollow profile connection must be verified for each project.

Attention

Persons must never be located on the MGS-H unit 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 MGS-H unit.

5.3 Crane ganging

The HC crane eye 100/100 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.

6. Inspection and maintenance

6.1. Inspection before first use

The HC crane eye 100/100 underwent a final inspection before leaving the factory and is suitable for the corresponding usage. However, before being used for the first time, the HC crane eye 100/100 must be checked by a specialist for any damage that has occurred during transport or due to other causes.

6.2. Inspection

The HC crane eye 100/100 must be visually inspected before every use in accordance with the applicable national industrial safety regulations for damage, deformation, corrosion, and cracked welds or incipient cracks in welds, etc. Ensure that the crane eye 100/100 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.

Important
Before installing the HC crane eye 100/100, inspect the hollow profiles of the crossbeam for damage. Profiles in the area where the HC crane eye 100/100 is attached must be free of damage. Furthermore, the attachment points on the hollow profiles of the crossbeam must be free of contamination. Any necessary repairs must be performed by MEVA.

During the use of the HC crane eye 100/100, the following must be observed:

- → Any contamination such as concrete residue or similar soiling on the HC crane eye 100/100 must be completely removed.
- → Check the bolt, washers and nut.
- → Use the HC crane eye 100/100 in such a way that the lifting device, the lifting tackle and the load cannot accidentally unhook.
- → Do not exceed the 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 HC crane eye 100/100 is to be disposed of correctly (see section 10).

6.3. Extraordinary inspection

The HC crane eye 100/100 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 such as concrete residue or similar soiling on the HC crane eye 100/100 must be completely removed.

7. Repairs

Repairs must be carried out by the manufacturer and the HC crane eye 100/100 may only be used in its original condition. MEVA assumes no liability for modified products.

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HC Crane Eye 100/100

8. Data plate

The data plate is stamped on the HC crane eye 100/100.

The HC crane eye 100/100 must not be used if the inspection plaque is illegible.

9. Storage

Ensure that the HC crane eye 100/100 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 HC crane eye 100/100 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 HC crane eye 100/100 is being used.

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

meva

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 Haiterbach GERMANY	Dr. Olaf Leitzbach MEVA Schalungs-Systeme GmbH Industriestrasse 5 72221 Haiterbach GERMANY

states explicitly, regarding the product

- product description: **HC-Crane eye 100/100**
- ref.-no.: **29-069-55**

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
- DIN EN ISO 20607:2019-10
  Safety of machinery – Instruction handbook – General drafting principles

Haiterbach, 2022-03-07

Florian F. Dingler
(CEO)