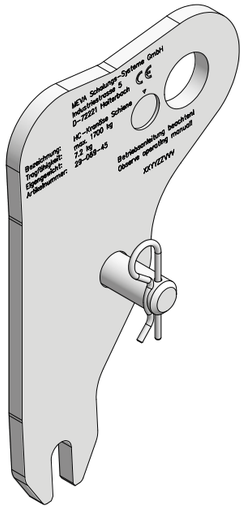

HC Crane Eye for Rail

Operating Instructions

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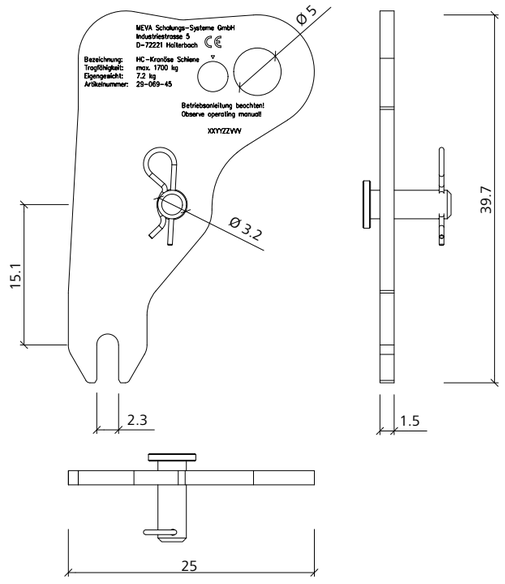
3843 GB 08/2024 Printed in Germany Translation of the original operating instructions

1. Product description / technical data

29-069-45 HC crane eye rail 7.20 kg
Steel, galvanized. To attach the HC rails to the crane. To move the HC rails and relocate MGS-H units. (Refer to section 5 for use).
The load capacity when subjected to oblique pulling (30°) is 17 kN (1.7 t).
The load capacity when pulling straight upwards (with traverse) is 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 an HC crane eye for rail for the first time and make the information provided available to all persons who are authorized to use the HC crane eye for rail.
- The HC crane eye for rail may only be used by authorised and trained personnel in accordance with the currently applicable national laws and regulations.
- Use the HC crane eye for rail only for the applications described in these operating instructions. Impermissible use of the HC crane eye for rail can result in damage and in extreme cases to danger to life and limb.
- When using the HC crane eye for rail, 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 for rail must not be use 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- If the data plate is illegible, the CE declaration and the operating instructions are no longer valid.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 for rail (see section 1).
- Damaged HC crane eyes for rails must be not be reused.
- The HC crane eye for rail 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 for rail must be inspected in accordance with section 6 of these operating instructions.
- Before each use, visually inspect the HC crane eye for rail for damage and ensure it is complete, that moving parts are secure and that is functions correctly.
- The HC crane eye for rail 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 for rail 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.
- 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.
- During transport there must be no load and/or persons on the MGS-H units nor should anyone climb onto the MGS-H 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 for rail. Remove loose parts from the MGS-H unit.

Ensure that the necessary personal protective equipment required for the use of the crane eye 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 the HC crane eye for rail between the crane and the HC rail or between the MGS transport spreader and the HC rail.
It is used to raise the MGS-H unit out of a horizontal into a vertical position and to hook it into the attachment points provided on the building. It is also used to pull up the MGS-H unit on the building and then to unhook it and lay it horizontally on the ground.
The HC crane eye for rail remains mounted on the rail during the entire application and can be quickly attached at a different position by means of the bolt and cotter pin for another application.
The load capacity when subjected to oblique pulling (30°) is 17 kN (1.7 t).
The load capacity when pulling straight upwards (with traverse) is 35 kN (3.5 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.

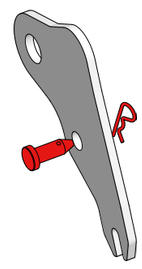


Fig. 1

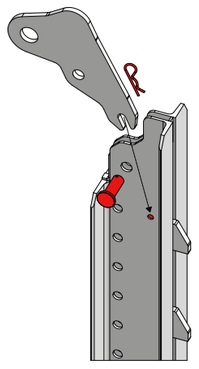


Fig. 2

5.1. Installing the HC crane eye for rail

The HC crane eye for rail is installed as depicted in Figures 1 to 4. Remove the cotter pin and remove the bolt from the HC crane eye for rail (Fig. 1).
The crane eye for rail is secured to the pin in the HC rail with the slit facing downwards. Push the slit over the pin in the rail (Fig. 2). Secure the HC crane eye for rail to the upper hole in the guide rail using the bolt and the cotter pin (Figures 3 and 4).

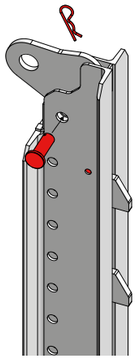


Fig. 3

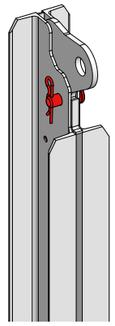


Fig. 4

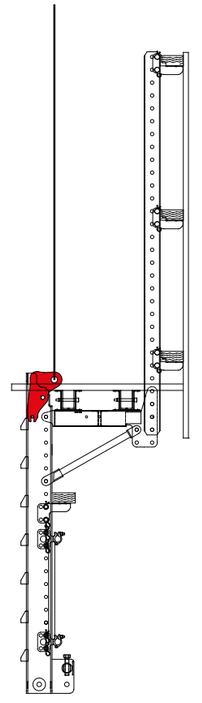


Fig. 5

Important
Check the HC crane eye for rail for damage before use. Profiles and welds in the area where the HC crane eye for rail is attached must be free of damage. Furthermore, the attachment point must be free of contamination.

5.2 Avoidable misuse

- → Loads too heavy, especially when subject to oblique pulling.
- → Angle too large when subject to oblique pulling.
- → The bolt is not installed.
- → The cotter pin is not installed.
- → The slit in the HC crane eye for rail is not secured on the welded-in pin in the rail.

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 for rail 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 for rail 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 for rail 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 for rail must be visually inspected before every use in accordance with the applicable national industrial safety regulations for damage, deformation or corrosion, etc. Ensure that the HC crane eye for rail 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 for rail, inspect the guide rails for damage. Profiles and welds in the area where the HC crane eye for rail is attached must be free of damage. Furthermore, the attachment points on the guide rails must be free of contamination. Any necessary repairs must be performed by MEVA.

During the use of the HC crane eye for rail, the following must be observed:

- → Any contamination such as concrete residue or similar soiling on the HC crane eye for rail must be completely removed.
- → Check the bolts and cotter pins.
- → Use the HC crane eye for rail in such a way that the lifting device, the lifting tackle and the load cannot accidentally unhook.
- → The load capacities of 35 kN (3.5 t) when subjected to oblique pulling (30°) and 17 kN (1.7 t) when pulling straight up (with traverse) must not be exceeded.
- → 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 for rail is to be disposed of correctly (see section 10).

6.3. Extraordinary inspection

The HC crane eye for rail 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 for rail must be completely removed.

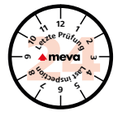
7. Repairs

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

8. Data plate

The data plate is stamped on the HC crane eye for rail.

The HC crane eye for rail must not be used if the inspection plaque is illegible.



9. Storage

Ensure that the HC crane eye for rail 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 for rail 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 for rail 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.

Declaration of Conformity

for the purpose of the directive 2006/42/EC

Producer

MEVA Schalungs-Systeme GmbH
Industriestrasse 5
72221 Haiterbach
GERMANY

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

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

states explicitly, regarding the product

- product description: **HC-Crane eye rail**
- ref.-no.: **29-069-45**

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

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Florian F. Dingler
(CEO)