

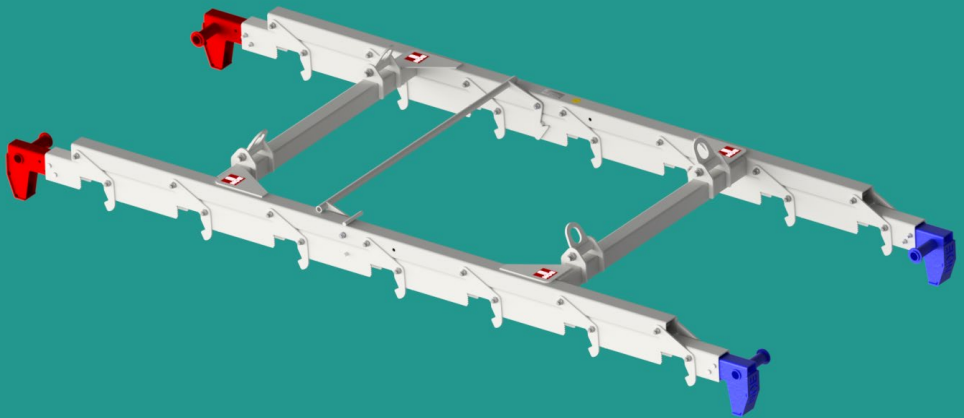


THE FORMWORK

NOE H20 lifter

Dated: 11/2023




Operating Instructions



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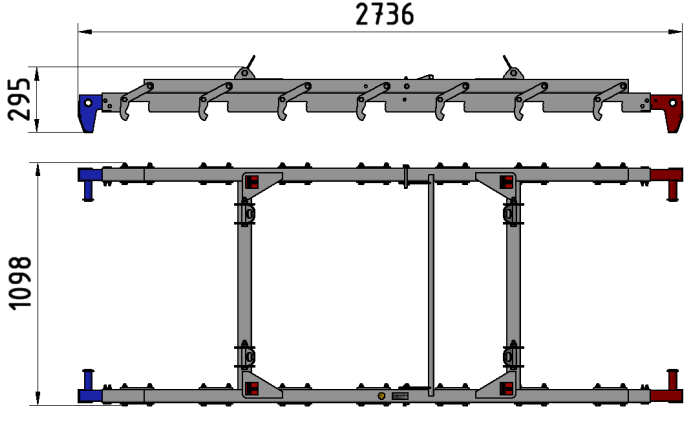
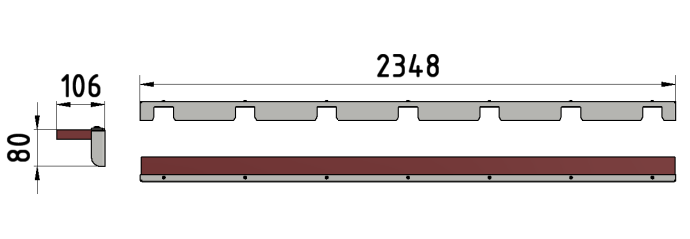
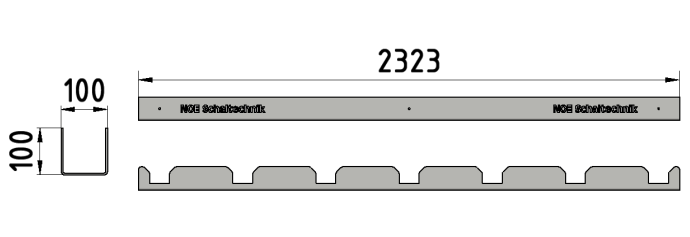
Key:

	<p>Attention!</p>
	<p>Note</p>
	<p>Visual inspection</p>

Read and observe the operating instructions. Keep the operating instructions for future use on site in an easily accessible place so that they can be viewed at any time.

1 Product description

The NOE H20 lifter is a load-carrying attachment for transporting H20 timber beams. The lifter carries up to 7 beams to their place of installation and positions them in one operation.

<p>Technical data: NOE H20 lifter:</p> <p>Max. load capacity: 250 kg</p> <p>Self-weight: 105 kg</p> <p>Part No.: 867200</p>	 <p>2736</p> <p>295</p> <p>1098</p>
<p>Technical data – Top restraint channel:</p> <p>Part No.: 867201</p> <p>Self-weight: 9 kg</p>	 <p>106</p> <p>80</p> <p>2348</p>
<p>Technical data – Bottom restraint channel:</p> <p>Part No.: 867202</p> <p>Self-weight: 18 kg</p>	 <p>100</p> <p>2323</p>

2 Safety instructions



Safety instructions for the operation of load suspension equipment in accordance with DGUV Rule 100-500, Chapter 2.8

1. Observe the provisions of the operating instructions when using the NOE H20 lifter.
2. The contractor must ensure that the operating instructions supplied by NOE are kept readily accessible at the place of use.
3. If the contractor's own employees are responsible for the use of the load suspension equipment, they must all be familiar with the tasks involved.
4. The NOE H20 lifter must be used in such a way that no-one is placed in any danger.
5. The NOE H20 lifter must not be subjected to loads in excess of its load capacity.
6. Formwork elements on which there are loose parts must not be transported.
7. Loads must be lifted and set down in such a way that they cannot accidentally fall over, collapse, slide or roll off.
8. The ropes and chains used must not be tensioned across sharp edges on loads.
9. Steel wire cables and round steel chains must not be knotted.
10. Twisted chains must be straightened out before being used to raise a load.
11. Loads must not be set down on the NOE H20 lifter, because this could damage it.
12. When in storage, the NOE H20 lifter must be protected against extreme weather effects and corrosive substances, as these may impair its safety and operational reliability.
13. Persons using the NOE H20 lifter must look out for signs of any obvious defects, such as deformation, cracks, fractures or missing markings.
14. It is the contractor's responsibility to ensure that any NOE H20 lifter with defects that may put safety at risk is taken out of circulation.
15. It is the contractor's responsibility to ensure that any necessary repairs to the NOE H20 lifter are made exclusively by the manufacturer.
16. It is the contractor's responsibility to ensure that the NOE H20 lifter is used only after it has been inspected and approved by an expert, and after any defects detected have been rectified.



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17. It is the contractor's responsibility to ensure that the NOE H20 lifter is inspected by an expert at intervals of no more than one year, and that the inspection procedure is confirmed by means of an inspection date label.
18. It is the contractor's responsibility to ensure that the NOE H20 lifter is subjected to an extraordinary inspection by an expert following damage or specific incidents that could affect its load capacity, or after repairs.
19. The H20 lifter may be used only in conjunction with a 4-leg lifting sling.

3 Proper use

These operating instructions contain information about the handling and proper use of the NOE H20 lifter.

The NOE H20 lifter is a load-carrying attachment intended to be used exclusively for lifting and moving H20 timber beams.



The use of this device for handling elements other than H20 timber beams is not permitted!

It has the capacity to pick up as many as seven H20 beams placed horizontally on the ground at the same time.



Damaged or structurally inadequate H20 beams in accordance with DIN EN 13377 must not be moved with the NOE H20 lifter!

The H20 beams / lifter combination must be slung horizontally when lifted or moved. The NOE H20 lifter can be used in an ambient temperature range of -20 °C to +60 °C. Use equipment only if it is in defect-free condition! Damaged NOE H20 lifters must be taken out of circulation!



Use only original NOE parts as spare parts!

Furthermore, the latest version of the relevant national safety regulations must be complied with (e.g. in Germany, the current employers' occupational insurance institution's accident prevention regulations for safety and health at work, DGUV Rules 100-500, Chapter 2.8, Operation of load suspension equipment used for lifting).



It is strictly forbidden to transport persons on the load or for anyone to pass or stand below the suspended load!

4 Before use

Inspect the lifting tackle for damage before use.

Immediately take out of use and set aside any damaged NOE H20 lifters showing the following defects.



- Cracks at the welds
- Distorted sections
- Deformed crane eyes
- Missing or illegible type plate
- Missing or illegible inspection date label

5 Use as an H20 lifter

Observe the following points when using the equipment:



- The NOE H20 lifter may be used only for the specified loads.
- The maximum length of the H20 beam of 5.9m must not be exceeded.
- No-one must stand or pass under the suspended loads.
- The attachment point on the H20 beams must be free from soiling that may impair its function and in defect-free condition.

6 Inspection

The NOE H20 lifter is a load carrying attachment in accordance with DGUV 100-500, which must be inspected annually by an expert.

7 Type plate

 NOE® H20 Lifter			
Teil-Nr. Part no.	867200	Max. Last Max. Load	250 kg
Baujahr Construction year		Eigengewicht self weight	105 kg
Betriebsanleitung beachten! Observe the operating instruction! NOE-Schaltechnik Kuntzestr. 72, 73079 Suesen, Germany			

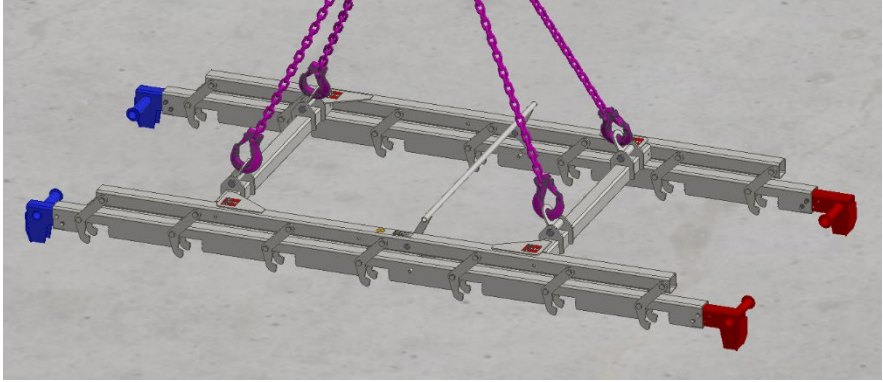
8 Inspection date label



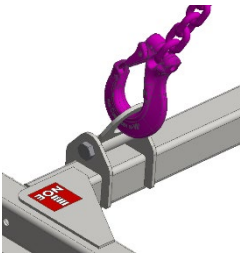
The NOE H20 lifter must not be used if the inspection date label is missing or illegible. The H20 lifter must be resubmitted for inspection and a new inspection date label attached.

9 Use

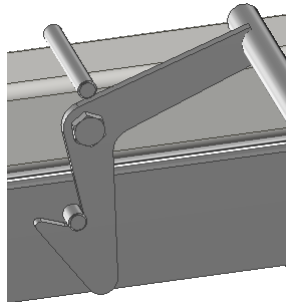
The NOE H20 lifter is to be slung by a 4-leg chain sling provided by the contractor.



Slinging points



Hook setting before lifting



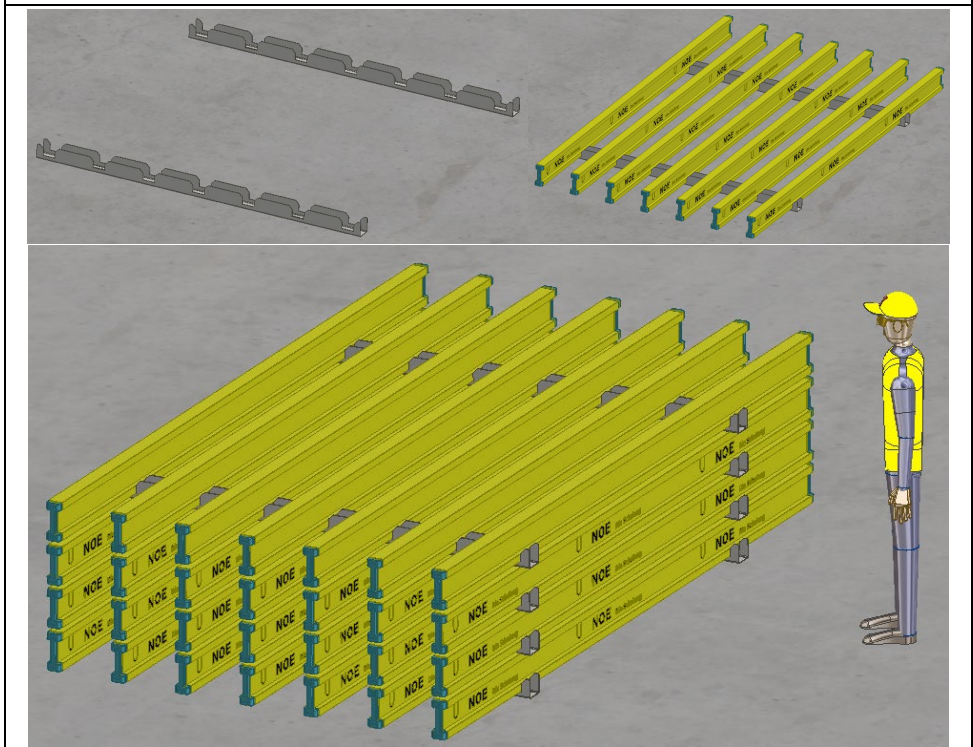
Preparation of H20 beams for transport

Bottom restraint channel:

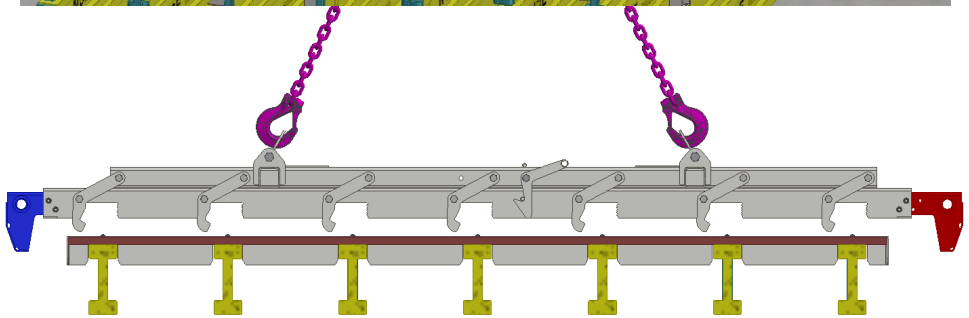
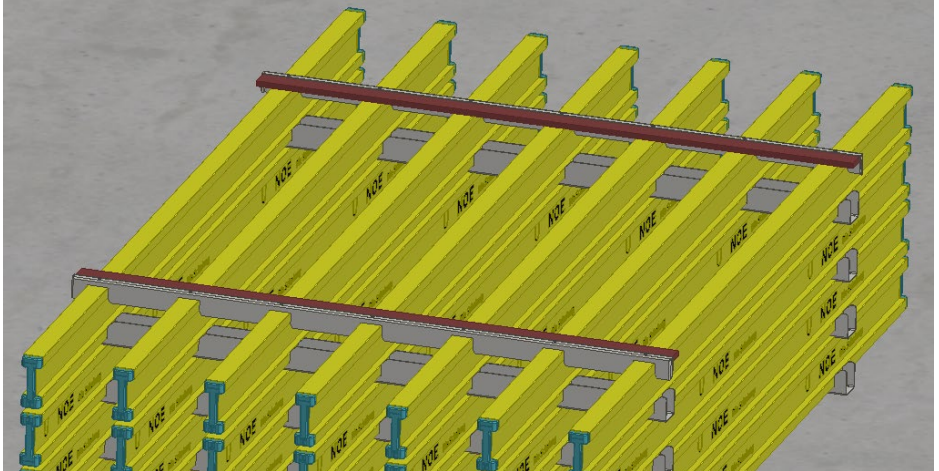
The H20 beams are placed at 357 mm centres parallel to one another in 2 bottom restraint channels. This arrangement can be layered to form a stack to speed up the later lifting operation.



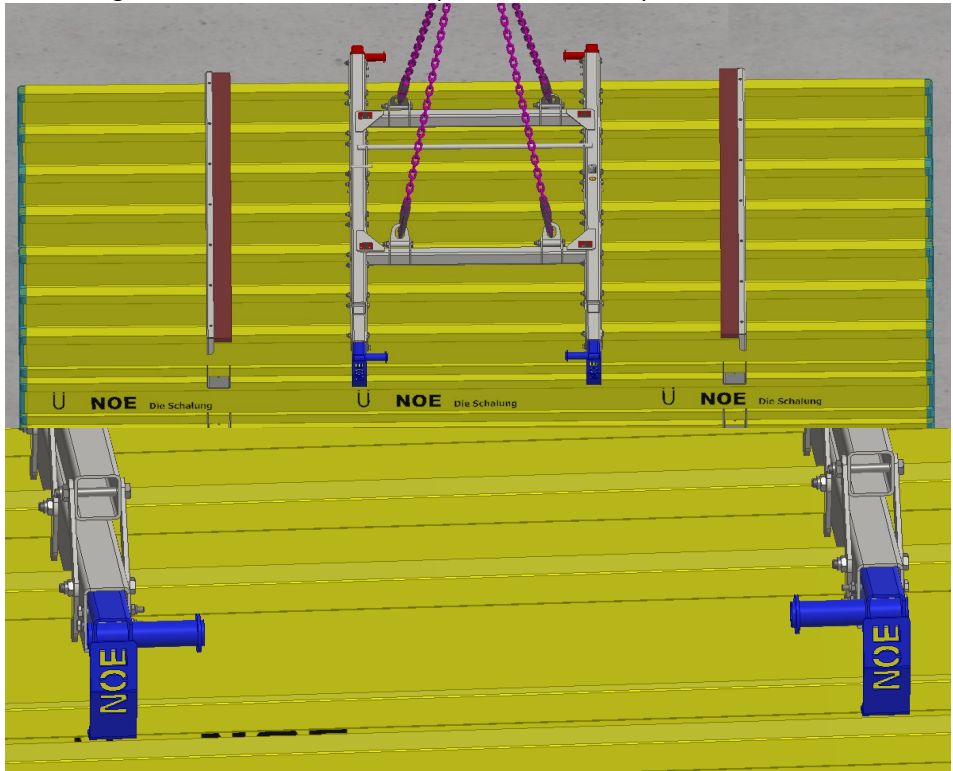
The stacks must always be structurally stable.



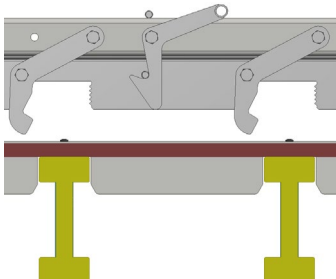
The 2 top restraint channels to prevent the beams from falling over must be installed before the H20 lifter is put in place.



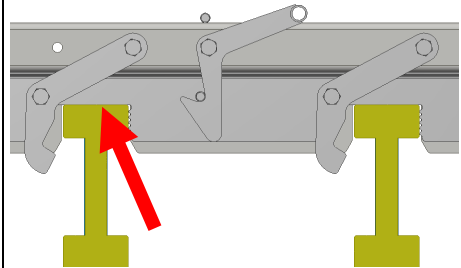
Bring the H20 lifter into position using the handles on the left and right.
When doing this, ensure that the lifter is positioned centrally on the H20 beams.



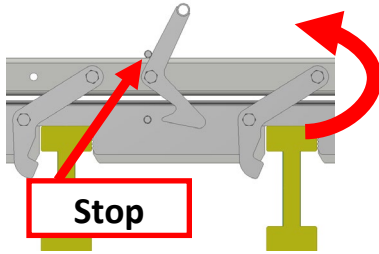
The locking hook must be engaged before the H20 lifter is set down.



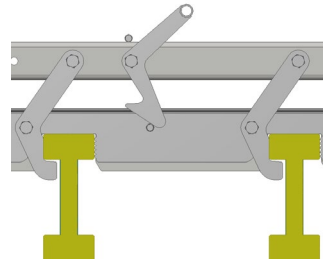
The H20 lifter must be fully seated on the beams.



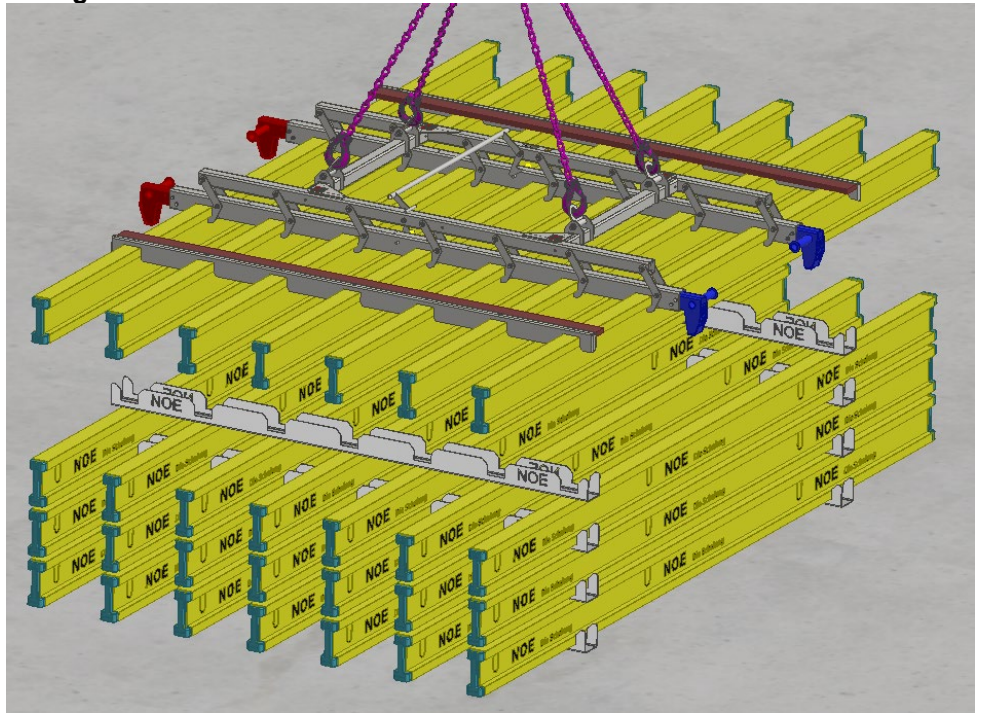
Before lifting, push the lever up to the stop and hold it in position.

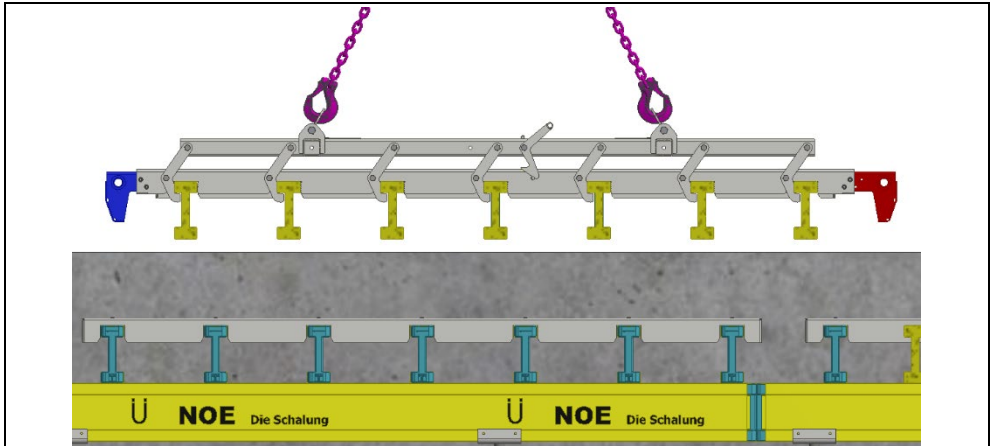


As soon as the H20 beams lift off, the lever can be released.

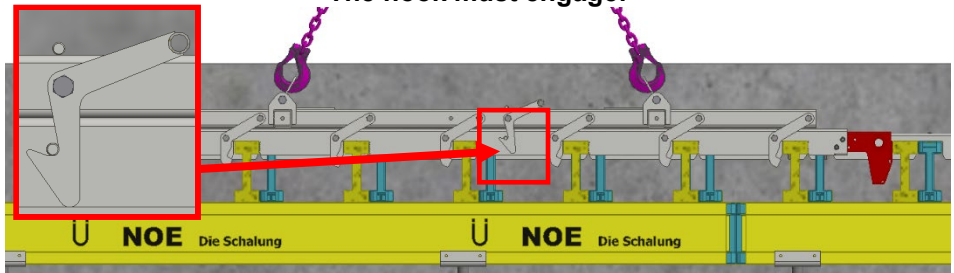


Lifting the H20 beams:

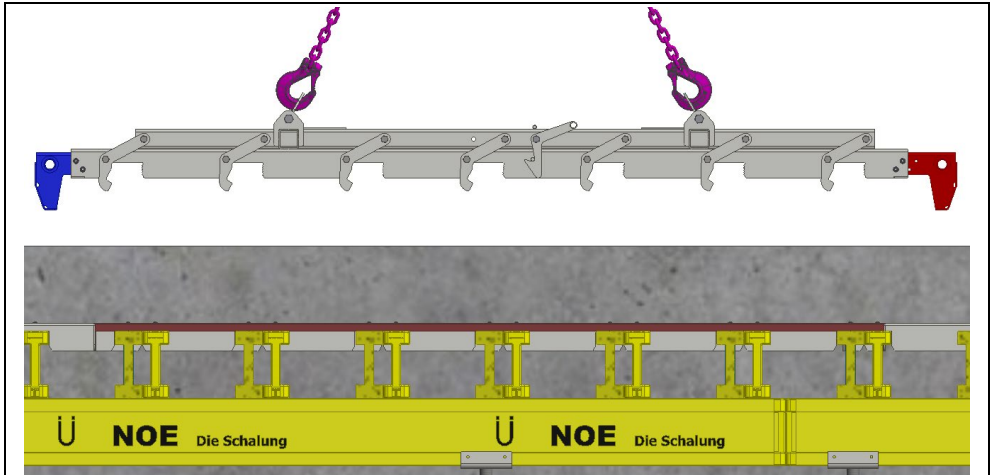




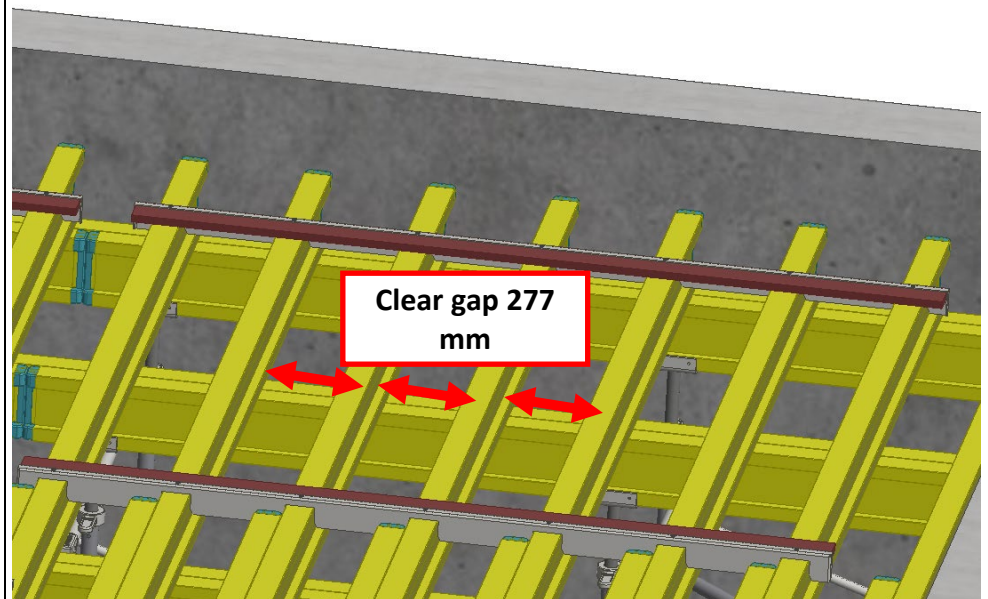
When putting down the H20 beams, allow the sling chains attached to the NOE H20 lifter to become completely free of tension before it is lifted again. The hook must engage!



When the H20 lifter is fully set down on the transverse support beams, the claws open automatically to release the H20 beams. The operating lever engages under the force of gravity. The NOE lifter can then be lifted off.



The H20 beams with the top restraint channels in place can be walked upon. The gap between the H20 beam flanges is 277 millimetres. The top restraint channels prevent the beams from overturning. They can be removed as the deck panels are attached.



10 EC Declaration of Conformity

CE EC Declaration of Conformity

In accordance with the EU Machinery Directive 2006/42/EC, Annex II 1A

We hereby declare that the following product conforms to the relevant fundamental safety and health requirements of the EU Directive 2006/42/EC on the basis of its design and type, and in the version brought into circulation by us. Any modifications made to the product without our approval render this declaration invalid.

Manufacturer:

NOE-Schaltechnik
Georg Meyer-Keller GmbH + Co. KG
Kuntzstrasse 72
73079 Süssen, Germany

Description and identification of the product:

- Area of use: H20 deck formwork
- Type: Load-carrying attachment
- Part number: 867200
- Description: NOE H20 lifter

The item can be used on its own but also in combination with the following products:

- Part number: 867201
- Description: Top restraint channel
- Part number: 867202
- Description: Bottom restraint channel

Harmonised standards applied in particular:

- DIN EN 14121: Safety of machinery- Risk assessment
- DIN EN 1677: Components for slings - Forged steel components
- DIN EN 818: Short link chain for lifting purposes
- DIN EN 349: Safety of machinery – Minimum gaps

Other technical standards and specifications applied:

- DGUV Rule 100-500: Use of equipment

Authorised representative for the technical documentation:

Dipl.-Ing. (FH) Dietmar Kieß
Kuntzstrasse 72
73079 Süssen, Germany

Süssen, 14.02.2022

Handwritten signature of Bernd Fetzter in blue ink.

Dipl. Betriebswirt (FH) Bernd Fetzter
Managing Director

Handwritten signature of Dietmar Kieß in blue ink.

Dipl.-Ing. (FH) Dietmar Kieß
Prokurist/Technical Manager

11 Inspection and maintenance

11.1 General

When inspecting the NOE H20 lifter, the relevant paragraphs of the latest version of DGUV Rule 100-500, Chapter 2.8 Use of equipment and the accident prevention regulations in “Load suspension equipment used for lifting” must be observed. Of particular importance are Chapter 2.8 Clauses 3.15.1 “Inspection prior to first use” and 3.15.2 “Scheduled inspections” as well as 3.15.3 “Extraordinary inspections” (each of these inspections must be carried out by an expert). DIN 685 Part 5 "Round steel link chains" (Utilisation) also applies.

11.2 Scope

These inspection instructions apply for scheduled recurring inspections or inspections after specific events of the following load-carrying attachments manufactured and sold or hired out by NOE-Schaltechnik:


Description	NOE H20 lifter
Part No.	867200
Load capacity	max. 250 kg
Self-weight	105 kg

11.3 Purpose

The scheduled recurring inspection of the load suspension equipment assures its operational safety and reliability and excludes any potential risk of accidents. The inspections must be carried out at regular intervals (in Germany at least every 12 months). Depending on the operating conditions, it may be necessary to perform inspections more frequently.

11.4 Scope of inspections


Inspection prior to first use in accordance with DGUV Rule 100-500, Chapter 2.8 largely comprises a visual inspection and functional check. The condition of the component and its functional reliability are checked.

	<ul style="list-style-type: none"> - Wear (in particular on pins), corrosion. - Check for missing parts. - DGUV Rule 100-500, Chapter 2.8, Clause 3.15.4 Scope of inspections. - Cracking of weld seams or component parts. - Dimensional changes in the load-carrying attachment. - Functional inspection: - Ease of movement of the moving parts
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12 Maintenance

Ensure that the operating lever and the claws can move freely. Any soiling on the NOE H20 lifter that may impair its function (concrete residues etc.) must be completely removed.

The attachment point on the H20 beams must be free from soiling that may impair its function and in defect-free condition.

	<p>Any repairs may be carried out only by the manufacturer.</p>
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12.1 Responsibility

The operator (or a designated safety officer) is responsible for ensuring that the load-carrying attachment undergoes regular recurring safety inspections. Safety inspections of this load-carrying attachment may be performed only by trained personnel (in Germany: an expert in accordance with DGUV Rule 100-500, Chapter 2.8).



THE FORMWORK



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