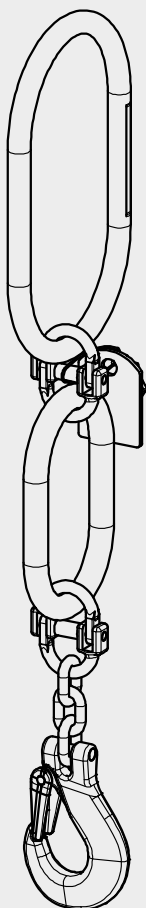


HUNIVERSAL FORMWORK PLATFORM

Crane Suspension

Operating Instructions



HÜNNEBECK 

BY BRAND SAFWAY

Contents

- 1 General information 3**
 - 1.1 About these instructions 3
 - 1.2 Product description..... 3
 - 1.3 Intended use..... 3
 - 1.4 Other relevant documents..... 3
 - 1.5 Overview..... 4
- 2 Safety instructions..... 5**
 - 2.1 Conventions in this user guide..... 7
- 3 Before use..... 8**
 - 3.1 Functional check 8
 - 3.2 Checking identification tag and inspection tag..... 8
- 4 Using the Crane Suspension..... 10**
- 5 Technical data 12**
- 6 Inspection instructions..... 12**
 - 6.1 Area of application..... 12
 - 6.2 Purpose..... 12
 - 6.3 Responsibility 12

1 General information

1.1 About these instructions

These original operating instructions describe the safe operation of the Crane Suspension (code:605279) for the Universal Formwork Platform.

1.2 Product description

When used in conjunction with the Bracket Adapter RASTO Edge or the Bracket Adapter MANTO Edge, the Crane Suspension allows the Universal Formwork Platform to be transported horizontally. When 2no. Crane Suspensions are used

- A Universal Formwork Platform can be transported horizontally by crane, e.g. to suspend the formwork platform from the formwork with 2no. bracket adapter edges

or

- A Universal Formwork Platform can be transported with formwork attached to it. The Universal Formwork Platform has to be attached to the formwork using two bracket adapter edges. The Crane Suspension causes the formwork to hang vertically.

This is why the Crane Suspension has two suspension links of different sizes, one for each of the functions described here.

The maximum load capacity per Crane Suspension is 1120 kg. When transporting the Formwork Platform, the load capacity of the Universal Formwork Platform Bracket Adapter RASTO Edge or Bracket Adapter MANTO Edge is crucial.

1.3 Intended use

The Crane Suspension is classified as a sling and lifting accessory within the meaning of the EU machinery directive 2006/42/EC. It may be used only to transport the Universal Formwork Platform and, when applicable, formwork attached to the platform.

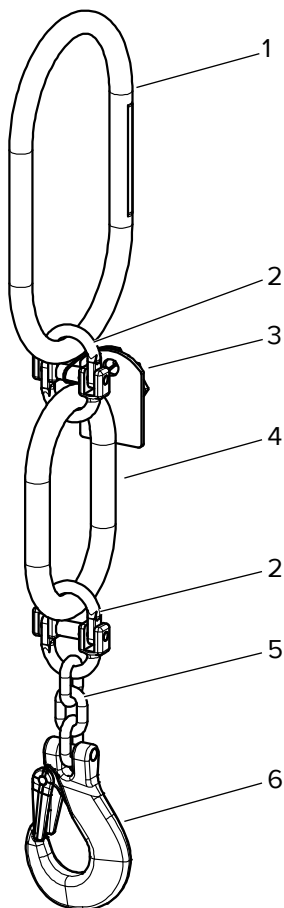
Crane Suspensions must always be used in pairs. The Crane Suspension may be attached only to the points on the Universal Formwork Platform intended for this purpose.

1.4 Other relevant documents

These operating instructions focus particularly on safe operation of the Crane Suspension. Please also observe and comply with the information and instructions contained in the following documents:

- The Universal Formwork Platform user guide.
- The operating instructions for the bracket adapter used (Bracket Adapter RASTO Edge or Bracket Adapter MANTO Edge).
- The user guide for the formwork system used.

1.5 Overview



- 1 Suspension link for transporting a formwork platform with formwork attached (red)
- 2 Connecting link
- 3 Inspection tag and identification tag
- 4 Suspension link for transporting a single formwork platform (orange)
- 5 Chain
- 6 Hook for slinging to the suspension link on the platform bracket.

2 Safety instructions








1. The contractor may assign only persons properly trained and familiar with the required tasks as described in the risk assessment and the operating instructions to use the lifting accessories. The operating instructions must be readily available at all times!
2. Do not stand or walk under suspended loads!
3. Do not endanger persons within the swivel range of the crane!
4. Wear appropriate personal protective equipment! Protective gloves that comply with EN 388, minimum performance level 1. Safety footwear S3 that complies with EN ISO 20345 (EN 345) and an industrial helmet that complies with EN 397.
5. Do not impose on the Crane Suspension weight that exceeds the load-bearing capacity! The maximum load capacity can be found on the identification tag!
6. Use the Crane Suspensions only in pairs.
7. Attach the Crane Suspensions only to platform brackets that are in serviceable condition!
8. Use suitable slings that are at least 6 m long!
9. Do not hoist Universal Formwork Platforms with loose items on them!
10. Do not use the Crane Suspensions to raise or lower formwork elements!
11. Refer to the relevant documents for information on assembly and raising of formwork elements and the formwork platform.
12. Before transporting stacked formwork elements, check all connectors and connections between the elements! Verify that the number of connectors is correct!
13. When lifting the formwork, secure the formwork elements to prevent uncontrolled motion!
14. Lift, transport and set down loads in a manner that prevents them from unintentionally tipping over, falling apart or slipping!
15. Do not move loads when the wind speed is greater than 15 m/s or 54 km/h (Bft 7)! The load must be able to be transported safely!
16. Lift, transport and set down loads such that the Crane Suspension is not damaged.
17. Do not attach the crane sling directly to the suspension link on the platform bracket! Always use the Crane Suspension!
18. The Crane Suspension hook must move freely in the suspension link on the platform bracket!
19. The angle of the slings on the crane hook may not exceed 60°. Do not knot steel wires and steel chains. Untangle twisted chains before attaching them!

Safety instructions

20. Visually inspect the Crane Suspensions before each use and during operation, checking for faults such as deformation, cracks, breaks, incomplete labelling, etc.
21. Store the Crane Suspensions such that they are protected from weather conditions and aggressive substances.
22. The contractor is responsible for ensuring that a Crane Suspension with defects that could in any way affect safety is not used!
23. The contractor is responsible for having repairs to lifting accessories performed only by the manufacturer. Use only original spare parts!
24. The contractor must ensure that, before operation begins, the lifting accessory has been inspected by a qualified person and that no deficiencies have been found! Check the inspection date before each use!
25. The contractor is responsible for having the lifting accessory inspected by a qualified person at least once a year! As specified by DGUV 100-500 (German statutory accident insurance regulations), the chain has to be checked for cracks at least every three years.
26. When damage or other extraordinary circumstances that could affect the SWL have occurred, the contractor is responsible for having the lifting accessory inspected by a qualified person!

2.1 Conventions in this user guide

2.1.1 Warnings and notes

	DANGER	Danger! Danger indicates a hazardous situation that, if not avoided, will cause death or serious injury.
	WARNING	Warning! WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.
	CAUTION	Caution! Caution indicates a hazardous situation that, if not avoided, can cause minor or moderate injury.
	NOTE	Note! Note indicates a hazard that can cause property damage.
		This note indicates that an additional inspection is required.
		This note shares practical experience with the user, e.g. how to perform a task more easily or quickly.
		This note indicates particularly important information, e.g. that a requirement has to be fulfilled.
		This symbol indicates that additional information from other documents is required. These documents could be user guides or operating instructions for other products.

2.1.2 Instructions

In this user guide instructions are always identified with the word **Step**, e.g.

Step 1 Insert the locking bolt into the bore from the outside.

Step 2 Secure the pin with the spring cotter pin.

3 Before use

Perform a functional check before every use. Also check the inspection tag and identification tag.

3.1 Functional check

Before every use of the Crane Suspension, check the following features:

- The safety catch on the Crane Suspension hook opens easily and all the way.
- The safety catch on the hook closes automatically and completely when it is released.

If for whatever reason one or more of these features cannot be checked as described here, the Crane Suspension must be inspected and repaired by the manufacturer or an authorised agent.

3.2 Checking identification tag and inspection tag

Before every use of the Crane Suspension, check that the inspection tag (**A**) (DGUV regulation 100-500 applies) and the identification tag (**B**) (EN 818 applies) are in place and legible. If the identification tag or inspection tag is missing or illegible, the Crane Suspension may not be used.

The Crane Suspension may be operated only if it has been inspected within the last year.



ID plate missing or illegible!

The Crane Suspension may not be used if the identification tag is missing or illegible. The manufacturer or an authorised agent must then inspect the equipment and issue a new plate.



Inspection tag missing!

The Crane Suspension may not be used if the inspection tag is missing or illegible. The manufacturer or a qualified person must then inspect the equipment and issue a new tag. This applies only to HÜNNEBECK rental equipment pursuant to test certification as specified by DGUV (German statutory accident insurance regulations) 100-500*.

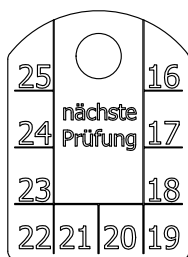
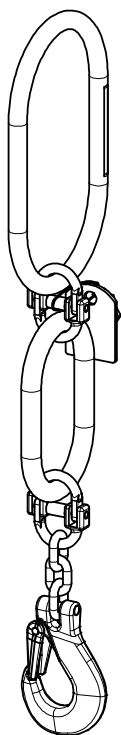
The German ordinance on industrial safety and health (BetrSichV) applies to the use of equipment that is not rented.



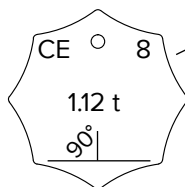
Comply with prescribed area of application!

* Test certification as specified by DGUV applies!

Universal Formwork Platform Crane Suspension



A



B

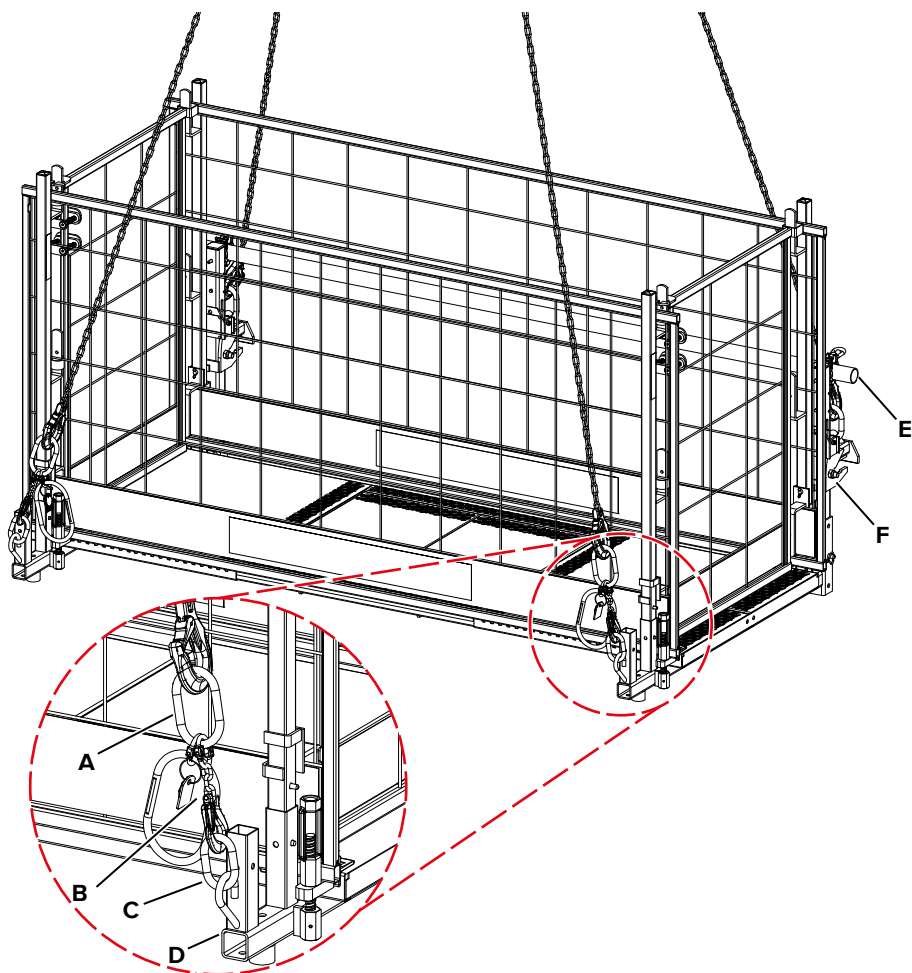
Using the Crane Suspension

4 Using the Crane Suspension

Attach the hook of the Crane Suspension (**B**) to the hook on the suspension link (**C**) on the platform bracket (**D**). The Universal Formwork Platform has to be completely assembled as described in the user guide. This includes advancing, back and side rails as well as the bracing scaffold tube (**E**).

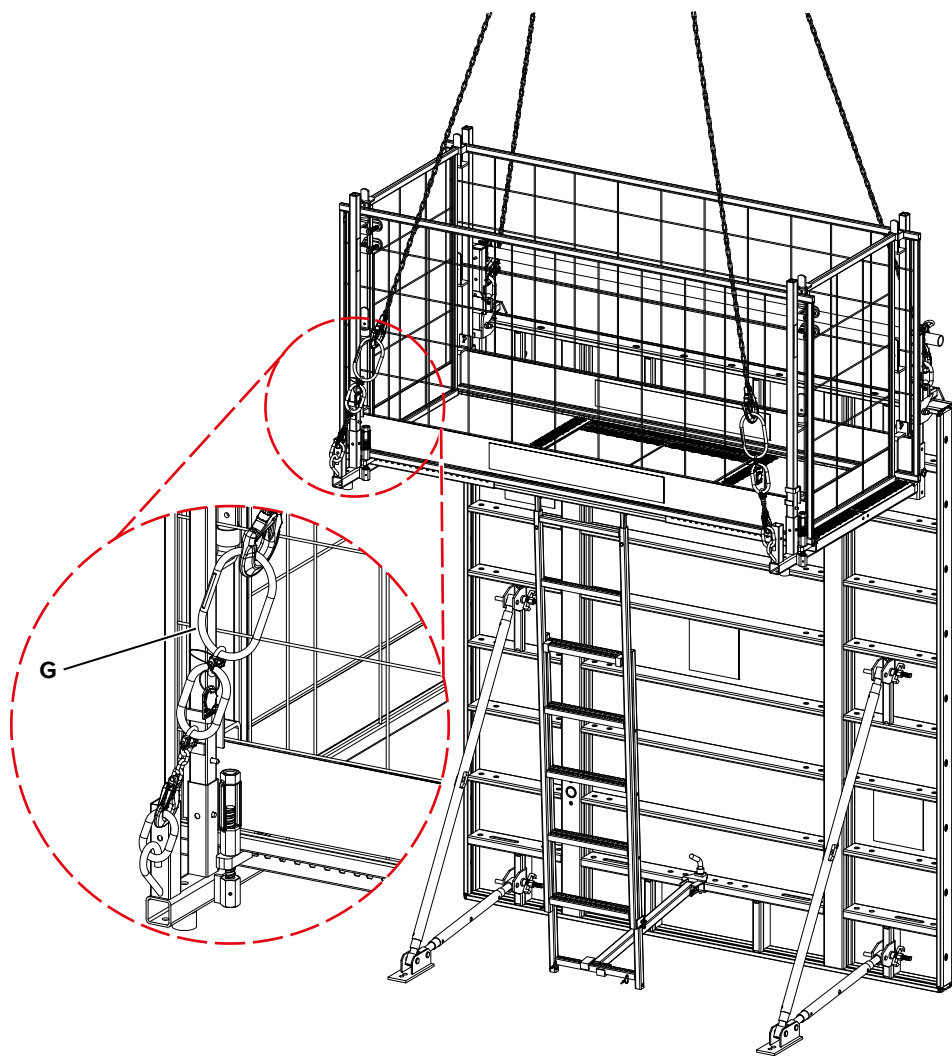
Use a four-strand chain sling to transport the Formwork Platform by crane. Attach 2no. strands of the chain sling to the bracket adapter edges (**F**) on the Universal Formwork Platform. The strands have to run over the outer side of the scaffold tube!

To move a single Universal Formwork Platform by crane, attach the other 2no strands of the chain sling to the smaller suspension link (**A**, orange) on the Crane Suspension.



Universal Formwork Platform Crane Suspension

To move a single formwork platform with formwork by crane, attach the other 2no. strands of the chain sling to the larger suspension link (**G**, red) on the Crane Suspension. Never use the Crane Suspension to raise or lower formwork elements!



5 Technical data

Length:	536 mm
Width:	126 mm
Weight:	1.20 kg
Maximum load-bearing capacity per Crane Suspension:	1120 kg

6 Inspection instructions

6.1 Area of application

The German ordinance on industrial safety and health (BetrSichV), §3 sec. 3 and §10 applies to the type, scope and intervals of mandatory inspections as well as to the requirements pertaining to the persons tasked with performing the inspections.

The test certificate items stated here serve as a guideline for inspecting equipment before it is used for the first time and for regular inspections of the Universal Formwork Platform Crane Suspension.

6.2 Purpose

Inspecting the Crane Suspension is intended to ensure operating and functional safety of the equipment. The inspections and tests are performed to systematically detect and remedy faults relevant to safety.

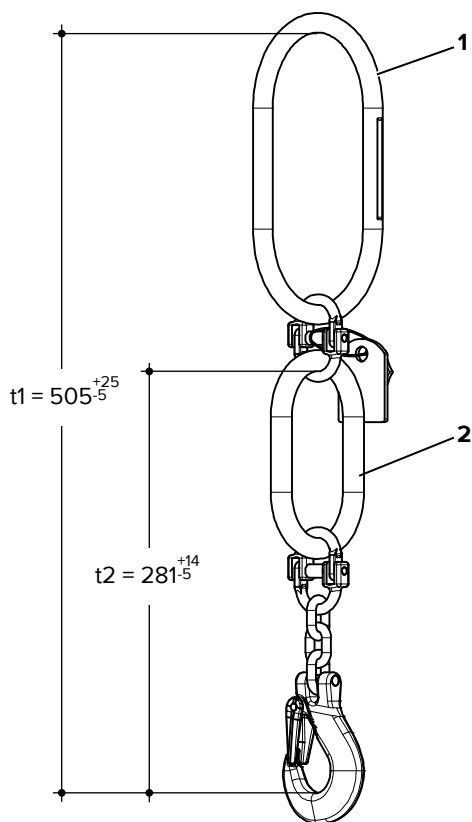
Inspections should be performed at regular intervals, occurring at least once a year. If the operating conditions require otherwise, inspections can be performed more frequently. This applies e.g. when the equipment is used very frequently, when there is excessive wear or under special operating conditions such as in a corrosive environment.

As specified by DGUV 100-500 (German statutory accident insurance regulations), the chain has to be checked for cracks at least every three years.

6.3 Responsibility

The user is responsible for scheduling regular safety inspections of the Crane Suspension. Safety inspections of this equipment should be performed only by qualified persons (qualified person as specified by DGUV (German statutory accident insurance regulations) regulation 54, §23).

Universal Formwork Platform Crane Suspension



- 1 Large suspension link (red)
- 2 Small suspension link (orange)

7 Test certificate for Universal Formwork Platform Crane Suspension

Part code:	605279
Serial number:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Year of manufacture:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Functional check pursuant to section 3.1 passed:	<input type="checkbox"/>
No external cracks or damage detectable:	<input type="checkbox"/>
No deformation:	<input type="checkbox"/>
No corrosion damage that could affect functioning or safety:	<input type="checkbox"/>
Identification tag showing safe working load in place and legible:	<input type="checkbox"/>
Test documented by inspection tag with month/year according to year of test:	<input type="checkbox"/>
Data bag containing operating instructions affixed to the connecting link between the suspension links:	<input type="checkbox"/>
Crane Suspension free of concrete residue:	<input type="checkbox"/>
The difference in colour of the red suspension link and orange suspension link is distinct:	<input type="checkbox"/>
Suspension links, connecting links, chain and hook are connected to one another and move freely.	
Clear opening of large suspension link to hook (dimension t1) 505 +25/- 5 mm	<input type="checkbox"/>
Clear opening of small suspension link to hook (dimension t2) 281 +14/- 5 mm	<input type="checkbox"/>

Repairs may be made only by the manufacturer, and only original spare parts may be used!

The German trade association dictates only visual inspection.

Date

Inspector

EU-Konformitätserklärung

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erklärt hiermit, dass das nachfolgende Produkt aufgrund seiner Bauart und in der von HÜNNEBECK in Verkehr gebrachten Ausführung allen einschlägigen Bestimmungen der nachfolgend aufgeführten Richtlinien und harmonisierten Normen entspricht. Bei einer Änderung des Produkts ohne unsere Zustimmung verliert diese Erklärung ihre Gültigkeit.

Produktbezeichnung

Uni Schalungsbühne Kranadapter

Artikelnummer

605279

Produktbeschreibung

Lastaufnahmemittel zum Umsetzen von Universal Schalungsbühnen mit oder ohne daran montierten Schalelementen.

Richtlinien

2006/42/EG (Maschinenrichtlinie)

Harmonisierte Normen

- DIN EN 1677-1:2009-03, DIN EN 1677-2:2008-06 und 1677-4:2009-03
- DIN EN ISO 12100:2010
- DIN EN 818-1:2008-12 und DIN EN 818-4:2008-12

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The illustrations contained in this document reflect normal operation at a construction site and are not always correct in regard to safety issues.

Last modified October 2020
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