

Instruction Manual

CUSTERS® Elevator shaft scaffold



Maximum load: 200 kg

Maximum platform height: 24 meters
To be assembled in an elevator shaft

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Safe access

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1. Introduction

The Custers elevator shaft scaffold is part of a wide range of aluminum scaffold models.

This manual is intended to provide step-by-step instructions for assembling your scaffold easily and safely. Incorrect assembly may pose a danger to the user. Please read the safety instructions carefully before assembly. Assembly and disassembly must be performed by experienced and qualified personnel..

The user is responsible for ensuring that this manual is available at the location where the elevator shaft scaffold is assembled and used, as well as for providing it to the person supervising the work.

If there are any uncertainties regarding this manual, please contact your supplier and/or manufacturer.

Manufacturer:

Custers Hydraulica B.V.
Smakterweg 33
5804 AE Venray Nederland
Telefoon: +31 (0) 478 553 000
Telefax: +31 (0) 478 553 010
E-mail: info@custers.nl
Website: www.custers.nl

2. Specifications

Norm:	EN 12811 : 2004
Load class:	3
Max. load:	200 kg/m ²
Max. platform height:	24 m
Condition:	Indoor use only
Elevator shaft dimensions:	Width: 800 – 1600mm Length: 1500 – 2300mm

3. Warranty and liability

Custers provides a warranty against material and manufacturing defects for up to 12 months after delivery.

The warranty means that we will repair the defects at our expense or—at our sole discretion—take back all or part of the delivered goods and replace them with a new shipment.

If we replace delivered products to fulfill our warranty obligation, the replaced products become our property. All costs exceeding the obligation described above are at the client's expense. If products are provided for processing, repair, etc., the warranty applies only to the soundness of the execution of the commissioned work.

Our liability does not apply:

- If the defects result from improper use or from causes other than defects in materials or workmanship.
- If the cause of the errors cannot be clearly identified
- If all instructions provided for the use of the products, including the guidelines set forth in this manual, have not been strictly and fully followed.

The manufacturer shall not be liable if the buyer, on its own initiative, makes or has made modifications and/or repairs to the delivered products.

4. Delivery control

Upon receipt, check that the elevator shaft scaffold has been delivered complete and undamaged.

Contact your supplier immediately if you notice that any parts of the elevator shaft scaffold are damaged or that the delivery is incomplete.

5. Safety instructions

4.1 Pre-assembly inspection

Make sure the workers are properly qualified and check that the location where the scaffolding is to be erected is safe and suitable.

Please note:

- The elevator shaft scaffold may only be erected inside an elevator shaft.
- The floor must be sufficiently load-bearing and level.
- The area must be free of obstacles both at ground level and above ground.
- Check that all components and any ropes required for hoisting are present at the work site
- Damaged, incorrect, or non-original parts must never be used.

4.2 Structure

The assembly of the elevator shaft platform is described in the assembly instructions and must be performed by at least two people.

The elevator shaft scaffold must be set up level; check this with a spirit level; adjustments can be made by turning the spindle nuts on the spindles.

The platforms must be secured by sliding the safety catch of the anti-sway device under the rung. The frames must be secured to each other using the locking pins. The horizontal members or handrails must be mounted on the uprights so that the openings of the clamps face outward.

The work platform must be equipped with: a waist rail, a knee rail, and toe boards all around.

4.3 Lifting parts

Components for higher sections must be raised by passing them from platform to platform.

Components can also be hoisted up using a sturdy rope. Use a secure knot, loop, or hook to secure the components properly.

Hoisting equipment must not be attached to the scaffold.

6. Construction of the scaffolding

Always position the scaffolding in a corner of the elevator shaft. This is the only way to wedge the scaffolding into the shaft, if the shaft is wider than the scaffolding itself.



- 1: Insert both spindles into the 8-rung frame.
- 2: Place the brace frame onto the upright of the frame (with the claw openings pointing outwards).



- 3: Insert both spindles into the 8-rung frame.
- 4: Place the bracing frame onto the uprights of the frame.



5: Position the platform with the hatch; slide both wind-uplift restraints under the rung.

6: Level the scaffolding by turning the nuts on the adjustable legs.



7: Install the two new 8-step frames.

8: Install locking pins between the frames.



9: Position the brace frame on the frame uprights (with the claw openings facing outwards). On the wall side, a brace frame must be installed every two platform levels. On the side away from the wall, a brace frame must be installed at every platform level to prevent any risk of falling.

10: Install the platform with the hatch; slide both wind-uplift restraints under the rung.

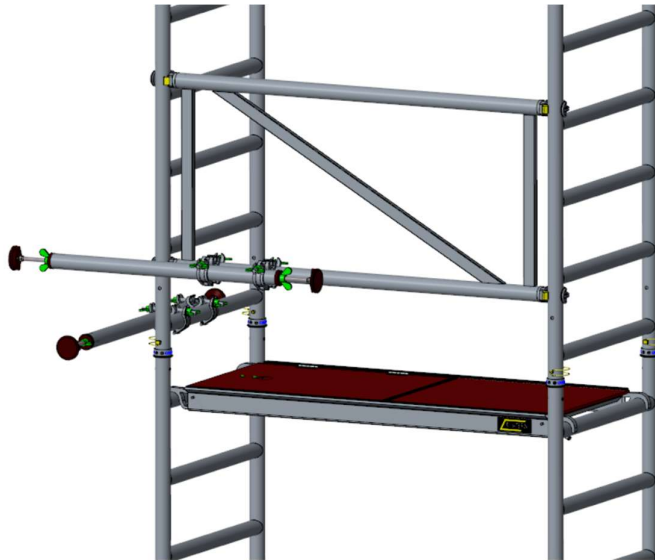
11: Repeat steps 7 through 10 until the desired level is reached.



- 12: Position the two end guardrails at the top of the scaffold.
- 13: Insert locking pins between the frames and the end guardrails.
- 14: Install the 4 horizontal braces (with the claws facing outwards).



- 15: Install the four toe-board holders.
- 16: Install the two end toe-boards.
- 17: Install the two side toe-boards.



18: Use wall braces to secure the scaffold within the lift shaft. To do this, use one brace positioned lengthwise and one widthwise, attaching them to a horizontal rung using two swivel couplers, as close as possible above a platform. Install wall braces at the level of the top platform and at every fourth intermediate platform.

7. Usage

Before each use, it should be checked that:

- The base (including the spindles) of the lift shaft scaffold is correct,
- The entire structure is correct and complete,
- There are changes in circumstances that could affect the safe use of the scaffold.

A lift shaft scaffold is designed to provide access to a work area within a lift shaft. This scaffold may only be used when erected within a lift shaft (effectively enclosed by the lift shaft); its stability is ensured by its special design, which is enclosed within the lift shaft; This scaffold must therefore never be used as a free-standing structure (outside the lift shaft).

This scaffold must not be used for any purpose other than providing access to a work area within a lift shaft.

The maximum working load is 200 kg/m² (scaffold class 3); only one level per scaffold may be loaded to its maximum capacity.

Jumping on the platforms is prohibited; the platform hatch must always be closed, except when ascending or descending.

The maximum platform height is: 24 m

The scaffold may only be ascended from the inside, via the windows.

Do not place crates, ladders or other aids on the working platform to gain height.

Take care when applying horizontal forces (e.g. drilling), which may push the scaffold away from a structure; the maximum horizontal load is 30 kg.

Horizontal members, handrails and brace frames must not be used as steps.

It is prohibited to attach advertising boards or tarpaulins to free-standing scaffolding.

The scaffolding must not be exposed to corrosive liquids or gases.

8. Dismantling the scaffolding

The lift shaft scaffold is dismantled in reverse order. Start at the top by removing the toe boards and toe board brackets. Dismantle the lift shaft scaffold from top to bottom. Do not throw parts about!

9. Maintenance

All components, particularly moving parts and welds, must be inspected regularly—at least once a year—for wear and damage.

Missing or broken parts must be replaced.

Aluminium components must not be used in the following cases:

- If round tubes have one or more blind dents deeper than 3.0 mm.
- If round tubes have one or more dents immediately adjacent to a welded joint, regardless of the depth and shape of the dent.
- If square/rectangular tubes have one or more blunt dents with a depth of more than 2.0 mm.
- If pipes or tubes have one or more sharp dents or cracks, regardless of the length/depth and location of the dent(s)/crack..

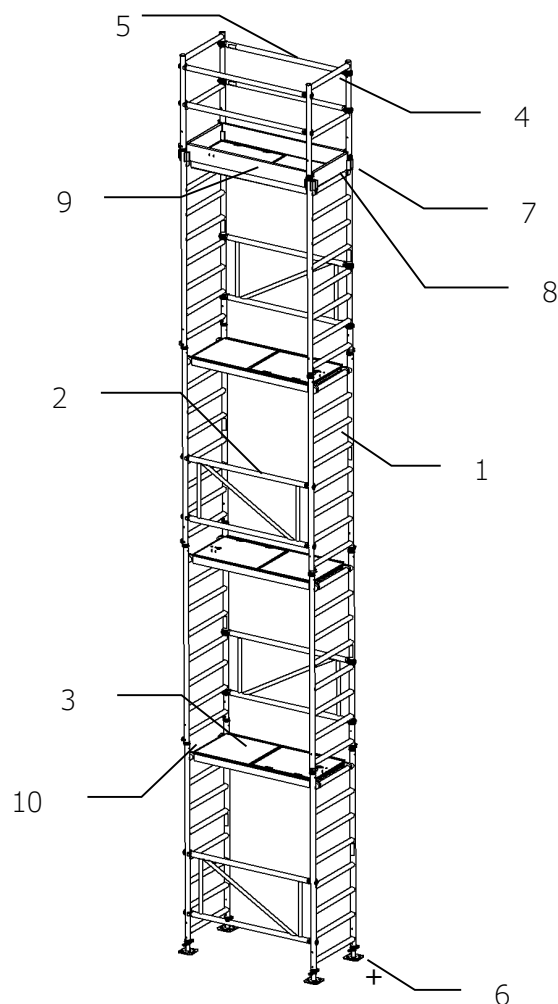
Moving parts must be clean and operate smoothly.

Repairs to scaffolding equipment must always be carried out in consultation with the manufacturer.

10. Components

9.1 List of parts

Nr.	Component	Item number	Weight (kg)
1	8-step ladder 690	9501.200.012	8,5
2	Brace frame 1400	9501.917.010	4,9
3	Platform 1400 with hatch	9501.917.020	11,7
4	End rail 690	9501.200.122	2,9
5	Horizontal rail 1400	9501.917.030	1,7
6	Spindle with base plate	9501.520.010	3,6
7	Toe board holder	9501.800.087	0,2
8	Toe board 690	9501.200.092	1,2
9	Toe board 1400	9501.917.040	2,7
10	Bracket locking pin	9501.410.162	0,06



9.2 Composition table

The table below lists the components required to assemble a lift shaft scaffold to a specific platform height. Please ensure that these components are also available at the assembly site.

		Platform height (m)											
		2,3	4,3	6,3	8,3	10,3	12,3	14,3	16,3	18,3	20,3	22,3	24,3
Component	Item number	Amount											
8-step ladder 690	9.501.200.012	2	4	6	8	10	12	14	16	18	20	22	24
Brace frame 1400	9.501.917.010	1	3	4	6	7	9	10	12	13	15	16	18
Platform 1400 with hatch	9.501.917.020	1	2	3	4	5	6	7	8	9	10	11	12
End rail 690	9.501.200.122	2	2	2	2	2	2	2	2	2	2	2	2
Horizontal rail 1400	9.501.917.030	4	4	4	4	4	4	4	4	4	4	4	4
Spindle with base plate	9.501.520.010	4	4	4	4	4	4	4	4	4	4	4	4
Toe board holder	9.501.800.087	4	4	4	4	4	4	4	4	4	4	4	4
Toe board 690	9.501.200.092	2	2	2	2	2	2	2	2	2	2	2	2
Toe board 1400	9.501.917.040	2	2	2	2	2	2	2	2	2	2	2	2
Bracket locking pin	9.501.410.162	4	8	12	16	20	24	28	32	36	40	44	48
Wall bracket	9.501.925.035	2	2	2	2	4	4	4	4	6	6	6	6
Swivel coupling	9.501.800.935	4	4	4	4	8	8	8	8	12	12	12	12

Remark:

If the elevator shaft exceeds the specified range, it is possible to use additional or custom wall brackets to ensure the scaffolding remains stable during use.



Custers Hydraulica B.V.
Smakterweg 33
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Nederland
Tel.nr.: +31 (0) 47 85 53 000
E-mail: info@custers.nl
Website: www.custers.nl