Instructions for use and installation

ALTREX STAGINGS (760057)

4, 5, 6, 7, 8 and 9 meters

A. Part specification

PART	REF.	WEIGHT (kg)
Staging 4m	331004	27
Staging 5m	331005	34
Staging 6m	331006	41
Staging 7m	331007	48
Staging 8m	331008	55
Staging 9m	331009	62
Guardrail supportassy (incl.guardrail post)	331222	5
Guardrail 3m	331219	3
Guardrail 4m	331224	3
Guardrail 5m	331225	4
Guardrail 6m	331226	5
Guardrail connecting tube	331218	1
Guardrail post	331223	2
Endguardrail (incl. guardrail post)	331227	4
Intermediate piece guardrail assy, short	331228	1
Intermediate piece guardrail assy, long	331229	2
Hooks, complete set of 4pcs	734531	2
Hoist eye-bolts, complete set of 4 pcs	734532	1
Toeboard 3m	331233	9
Toeboard 4m	331234	12
Toeboard 5m	331235	15
Toeboard 6m	331236	18
Toeboard clamping-plate	334526	1

The stagings meet the requirements of HD 1000 and HD 1004 (NEN 2770 ´+ NEN 2718)

4 till 7 meters class 3 (200 kg/m^2)

8 meters class 2 (150 kg/m^2)

9 meters class 1 (75 kg/m^2)

In case hooks are applied the lengths between centres are:

4220, 5220, 6220, 7220, 8220 and 9220 mm

B. Application

1. ALTREX stagings have been designed as light weight gangway or workingfloor for light maintenance. Stagings are often used combined with a supporting construction like:
   - ALTREX spantowers
   - One staging or two stagings side by side in a 5200 tower.
   - Combined with a lattice beam 3 stagings can be placed side by side on a 1.85m tower and 4 stagings on a 2.45m tower:
   - ALTREX staging supports:
   - Other constructies to create a large closed floor;
   - For some applications the wind safetyhook has to be moved or removed.
2. The staging can be used at both sides with the floor down or the floor up. In the first case the girder-profiles form the integrated toeboards.
3. The stagings can be coupled side by side or after each others.The maximal equally divided load amounts to 200 kg/m^2 (4 to 7 meter), 150 kg/m^2 (8 meter) or 100 kg/m^2 (9 meter).

The maximal concentrated load amounts to 400 kg on a surface of 20x20cm.

4. Stagings may not be used at windforces over 6 Beaufort.(= 14m/s). For use over 6 Beaufort arrangements have to be made (fastened) to guarantee the stability or the stagings have to be removed.
5. For other applications contact the manufacturer or his local agent.
6. This staging can not always be combined with old equipment. In case of doubt contact your supplier.

C. General information

1. For the erection and use apart from these instructions for use also the instructions for use of the supporting construction apply. (p.e. spantowers or staging supports).
2. Prior to the installation the following details have to be checked:
   - the portative power of the supporting points for the staging;
   - possible obstructions around the place for assembly and use of the staging;
   - the windforce;
   - the availability of all required parts. Damaged or incorrect parts may not be used.
3. Assembling of the staging has to be arranged by at least two persons. These persons have to be sufficiently qualified or have to be sufficiently familiar with the concerning equipment.
4. At the assembly all parts mentioned in the parts list have to be used and after assembly being checked on reliable fastening.

D. Assembly

Supporting construction

Prepare the supporting construction as following before assembling the staging:

- Erect the supporting construction for the staging according to the instructions for use accompanying the supporting construction;

Check whether the supporting points have the correct mutual distance before hoisting the staging. If no hooks are applied both ends of the staging should at least stick out 30 cm over the points of support of the supporting construction.

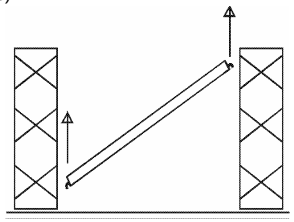
Preparation of the staging

Fix the following possible optional parts to the staging according to the assembling instructions accompanying the parts: eye bolts, hooks.

Installation of the staging

The staging can be hoisted applying the optional eye bolts with a rope within the outmost points of support of the supporting construction. If required extra stabilizers have to be added to the supporting construction. Hoisting and assembly of the staging on the supporting construction has to be arranged as following:

- Check that during the hoisting of the staging no damage can occur to persons or objects present around;
- Hoist the staging by means of a rope fixed to the eye bolts;
- Hoist the staging under an angle between the longitudinal shaft of the staging and the horizontal plane (compare the figure).

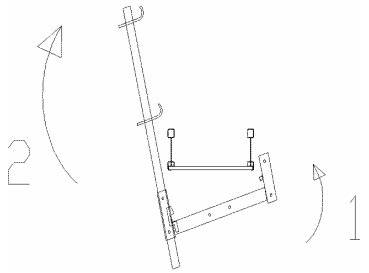


- At first lift one side of the staging over the supporting construction and then hoist the other side over the point of support;
- Lower the staging until both sides correctly rest on the support;
- Lock the staging against involuntary shifting. If the staging is provided with hooks these are correctly fixed when the hook and the safety hook correctly grip around the tube.

Assembly of the guardrail system

The guardrail system has to be hoisted by means of a rope between the outmost points of support of the supporting construction. Assemble the guardrail system as following:

- Assemble the guardrail assy´s with a mutual distance of maximal 2.5 meter and a maximal distance to the end of the guardrail of 0.80meter. (order of assembly of the guardrailassy as illustrated below):



- Assemble the guardrail posts on the right heights (when required at the other side as well).
- Assemble the guardrails at a height of 1 meter and at a height of 0.50 meter over the workplatform. The guardrails have to be fixed at the upperside of the clamps and at the innerside of the posts; when the guardrails have to be coupled, the ends of the rails completely have to be fixed into the connecting tube.
- Check all parts on correct and solid junctions.
- When the stage is used with the deck at the upperside, around the floor toeboards have to be assembled.

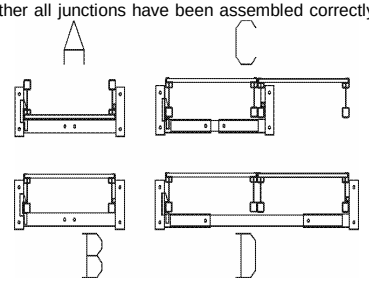
The guardrailsystem is suitable for use on a single stage (figure A= decking below, B=decking upperside) and for use on two stages side by side (decking up):

In case of two stagings side by side the horizontal bottompiece of the guardrail assy has to be sawn through between the two holes. After that the parts have to be coupled again with the applicable intermediate part.

In case of more than two stagings side by side these can be assembled in the same way with a special intermediate part, available on request.

E. Use

1. Prior to (re)use the following details have to be checked:
   - whether the supporting construction has been constructed correctly;
   - whether all junctions have been assembled correctly, especially the hooks and the guardrail system to the staging;



   - whether the surroundings justify to use the stage in safety.
2. The working height may not be encreased by placing ladders, stepladders, crates etc. on the working floor.
3. Materials and tools have to be taken up to the working platform by handforce (p.e). by means of a rope and a bucket. Hoisting has to be arranged between the outmost points of support of the supporting construction.
4. The supporting construction may not be moved when the staging is still mounted.
5. Take the required precautions to enable safe working. Take sufficient actions to avoid slipperiness caused by weather conditions and/or materials used. Apply guardrails wherever this is required for safety reasons or prescriptions.
6. Local prescriptions may require additional actions to be taken with regard to these instructions.

F. Dismantling

- Dismantling is arranged in the opposite order of the installation of the staging.

G. Inspection, Care and Maintenance

1. Stagings and accompanying parts have to be treated and transported with care, sothat damaging is avoided.
2. Check all parts on damages. Damaged parts must be returned to the manufacturer.
3. Check all parts on their function and possible filthiness. Parts which do not function well may not be used.
4. Stocking has to be arranged in such a way that exclusively not damaged parts in the right quantities will be available at the place of assembly of the staging.

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