Instructions for assembly and use

according to EN 1004-2 - de

AluKlik XXL®

according to DIN EN 1004-1
Scaffolding group 3: 200kg/m² or a total of 435kg

Width: 135 cm
Length: 190 cm

Working height max. 10m outdoors
and 14m indoors

Made in Germany

TÜV SÜD

Jan. 2024

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1. Introduction

The mobile scaffold "AluKlik XXL" is designed according to DIN EN 1004-1. The corresponding assessment documents are kept by the manufacturer in accordance with valid regulations.

AluKlik XXL has a modular design and can be supplemented with various accessories. These instructions describe all modules, i.e. also optionally available accessories that may not be included in the scope of delivery of your scaffold tower.

For certain working heights, it is necessary for safety reasons to add accessories to the system, such as wall anchors. To help you decide when these accessories are necessary, please also read these sections of the instructions.

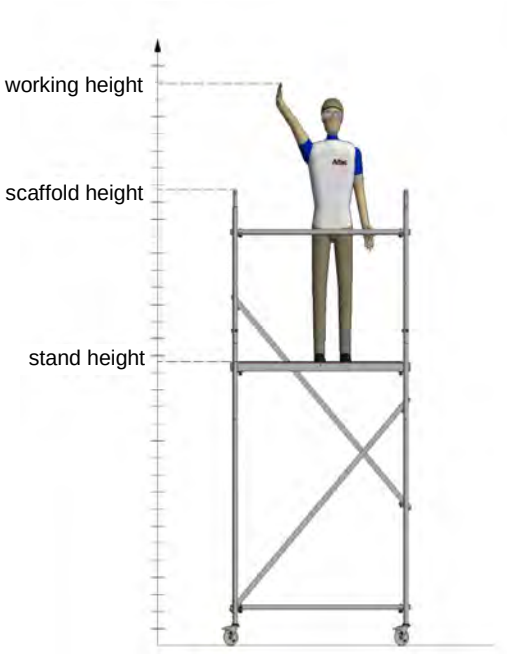
2. Area of application

The scaffold corresponds to load class 3 according to DIN EN 1004-1. The permissible total load of the working platform is 435kg with evenly distributed load. This must not be exceeded even when several deck surfaces are loaded. The lifting of tools onto the working platform surface must be included in consideration of the permissible working load and stability.
Permissible work includes, for example, plastering and stucco work, jointing work, roofing work, façade cladding work, painting and coating work, repair and assembly work, if a passage width of at least 20 cm is maintained when materials are stored on the decking surface.
A mobile working platform is not designed to be used as a stair tower from which to access other structures. It is not designed to be lifted or suspended. The attachment of bridges between mobile scaffolds and buildings is not permitted.

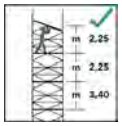
Mobile working platforms according to EN 1004 are:

- not anchorage points for personal protective equipment against falls from a height
- not designed to be sheathed
- not designed to be used as side protection

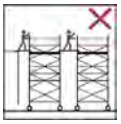
Height differentiation for working platforms:



3. General instructions for assembly and use

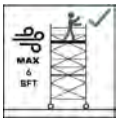


Maximum distance in metres between decking surfaces (3.40 m, 2.25 m, 2.25 m)

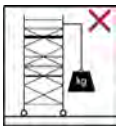

Bridging between mobile working platforms or to other structures are not permitted.

Maximum inclination during work (max. 1%)


Do not use mobile working platforms to climb up and down other structures

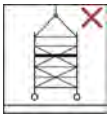


Maximum wind force during work (max. 6 BFT)



Do not lift heavy objects from the mobile working platform


Do not use ladders, boxes or other objects to increase standing height

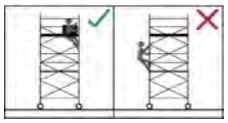

Do not hitch a mobile working platform


Do not move the mobile working platforms when there are people or materials on it.


Do not lift mobile working platforms with mechanical equipment


Do not stand on an unsecured pavement surface

Maximum inclination for moving (max. 1%)


Do not climb on the outside of the mobile working platform


Warning: There is a risk of falling if used improperly.


See operating instructions.

The user of the working platform must observe the following safety instructions:

- Only persons who are familiar with these instructions for assembly and use may assemble, dismantle and use the scaffold towers. Therefore, the instructions for assembly and use must be carried along with each use as well as assembly, dismantling and conversion.

- The national and local regulations for the operation of the working scaffold must be observed.

- The scaffold may only be set up and used horizontally on stable ground. The installation surface must be able to take the dead weight and the permissible load of the working platform. The wind conditions must be taken into account.

- It must be checked whether all parts for setting up the working platform are available on the construction site. Only original parts from ALTEC Aluminium- Technik GmbH may be used. Before assembly, all parts must be checked for perfect condition.

- Climbing may only be mounted from the inside.

- When assembling and dismantling, system planks or scaffold planks in accordance with DIN 4420 must be used. It must be ensured that these are installed at intervals of max. 2.25 m as auxiliary decks in order to have a safe standing surface for further assembly or dismantling. If scaffold planks are used as auxiliary decks at the height of intermediate decks or working decks, a horizontal parallel to the scaffold planks must be arranged as guardrails on each side of the scaffold. Before using the working platform, the scaffold planks must be removed again.

- During assembly and dismantling, ensure that no person stands on a platform without a handrail and intermediate rail.

- The components must not be assembled or disassembled by force, e.g. by hammer blows.

- The maximum standing height is 8.0m outdoors and 12.0m indoors. **For all assembly variants, it is not permitted to increase the height of the decking by using ladders, boxes or other devices.**

- Decking areas with a standing height of more than 1 m must be equipped with a three-part side guard consisting of a guardrail rail, intermediate rail and toe board, if they are used as a work surface. The toe board can be omitted for decking surfaces that are used exclusively as a work path. The side guard must be attached in accordance with the assembly instructions.

- Before use, the scaffold must be checked for complete and correct assembly, including securing against unintentional lifting of components.

- Only one decking surface may be used as a working surface.

- After assembly or modification, the following minimum information must be displayed on the mobile working platform and clearly visible from the ground (e.g. on a sign):
a) the name and contact details of the person responsible
b) whether the working platform is ready for use or not
c) load class and uniformly distributed load
d) whether the mobile working platform is intended for indoor use only
e) date of assembling

- The scaffold must not be used for work on live parts and running machinery.

- The maximum number of persons allowed to be on a working level is based on the total permissible load of the working platform with an evenly distributed load.

- It is forbidden to jump on decking surfaces.

- It must be checked whether the working platform has been properly set up according to the delivery specifications for the standard design (complete and correct assembly) and is vertical. The deviation from the vertical must not exceed 1%; this is to be checked with a spirit level in horizontal and vertical directions and corrected if necessary. Scaffolds without height adjustment must be aligned by placing non-breakable and non-slip material underneath. Any castors used must be braked.

- Damaged or defective components must not be used.

- Assembly and dismantling must be carried out in accordance with the instructions given. The area adjacent to the scaffold must be secured so that no persons can be injured by falling scaffold parts. Before assembling the mobile working platform, the place of use must be checked for possible hazards or obstacles during assembly, modification and dismantling. The influence of possible changes in outdoor conditions must be taken into account. Safe access to the working platform must be guaranteed.

- Above a working height of 5m, it is recommended that assembly and dismantling be carried out by two persons. Vertical transport of components for setting up the upper sections (including tools and working materials) should be carried out as close to the scaffold tower as possible to avoid leaning far out over the guardrail spars.

- Climbing up and down is only permitted on the inside of the scaffold. The flaps of the decks are only to be opened for climbing through and are otherwise to be kept closed.

- The attachment and use of lifting devices on the scaffold is not permitted.

- When used outdoors or in open buildings, the scaffold must be moved into a wind-protected area or secured against tipping over by other suitable measures if the wind force exceeds 6 on the Beaufort scale, in gusty winds or at the end of a shift. Use is also prohibited during thunderstorms.

Notice: Exceeding wind force 6 (39 to 49km/h) is recognisable by a noticeable inhibition when walking.

- To ensure stability, it should be noted that horizontal loads, for example from working on adjacent structures, could cause the scaffold to tip over. The maximum permissible horizontal force at the working level is 0.3kN.

Notice: Additional wind loads may occur at passage buildings, uncovered buildings and at building corners due to tunnel effects!

- The scaffold must be anchored after completion of the work and secured against unauthorised use or dismantled.

- When moving the scaffold, watch out for obstacles from above, including power lines.

4. Safety regulations

4.1 Moving the scaffold

When using castors, the following instructions must be observed:

- To move the scaffold in the assembled state, release the brakes of all 4 castors via the respective locking mechanism.
- The scaffold must be secured against tipping over by suitable measures, taking into account any wind loads.
- The working platform may only be moved by hand and only on a firm, level and unobstructed surface. It is forbidden to lift the working platform to move it.
- The surface on which the platform is moved must be able to bear its own weight, the permissible load of the mobile scaffold and additional loads when the working platform is moved.
- Moving is only permitted in longitudinal direction or across corners. The normal walking speed must not be exceeded.
- No loose materials or persons may be on the working platform or on intermediate decks during moving.
- After moving, the mobile scaffold must be aligned vertically again; the castors must be locked by pressing down the brake lever.

4.2 Working on electrical systems

Before working on electrical systems with a mobile scaffold tower, make sure that the system is disconnected and secured against being switched on again. The system must be de-energised. The system must also be earthed. Neighbouring live parts must be covered.

4.3 Working near overhead electric lines

When working near overhead electric lines with scaffolding, the safety distances listed below must be observed. The safety distances are chosen in such a way that no contact occurs when swinging out the power cables and the person working has enough room to move. Safety distances according to VDE 0105-100.

- Safety distance 1m for a nominal voltage of up to 1000V.
- Safety distance 3m for a nominal voltage of over 1kV up to 110kV
- Safety distance 4m for a nominal voltage of over 110kV up to 220kV
- Safety distance 5m for a nominal voltage of over 220kV up to 380kV

If the safety distances cannot be maintained, overhead lines must be de-energised and secured against reconnection after consultation with the operators or owners.

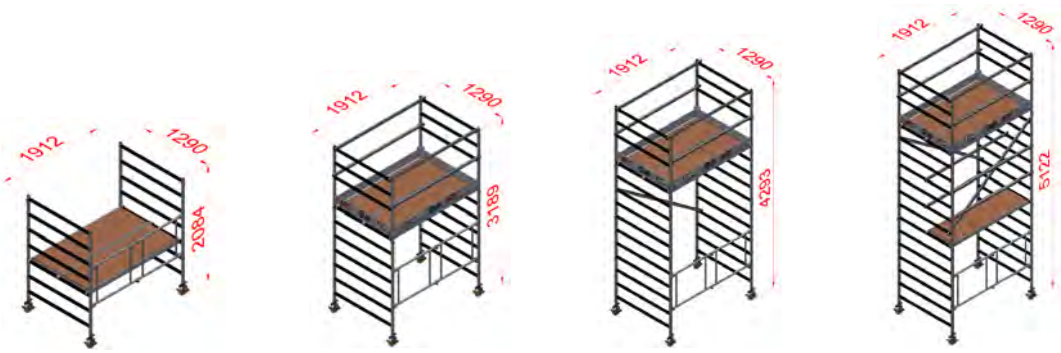
4.4 Applicable safety instructions for Germany

For the assembly, testing and use of the scaffold described here, the provisions of the

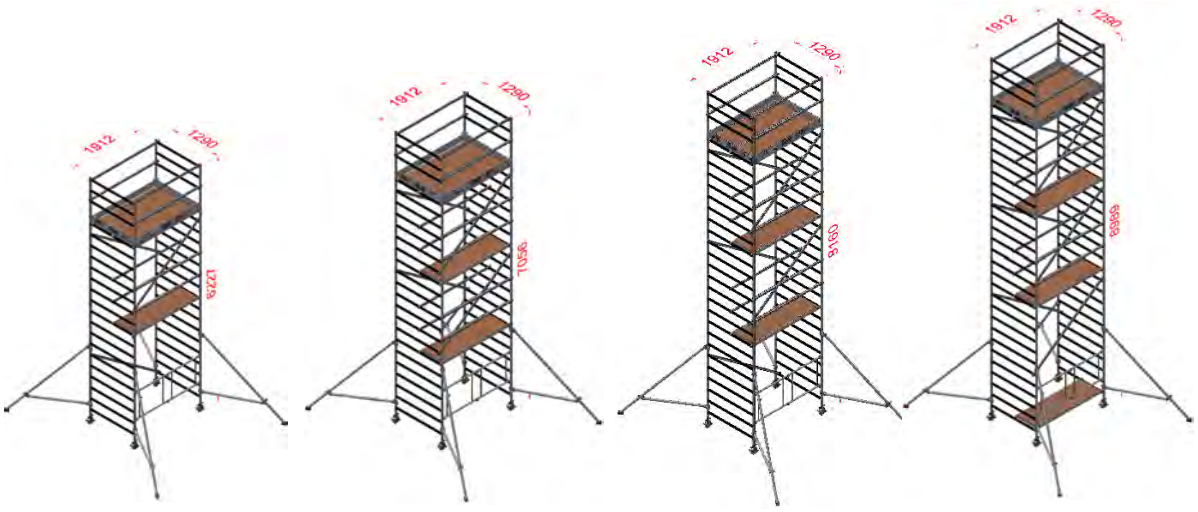
– BGI 5101; BGI 663; BGI 821 shall apply.

For the use of electrical equipment on the framework described here, the provisions of BGI 663 and BGI 594 shall apply "Use of electrical equipment with increased electrical hazard".

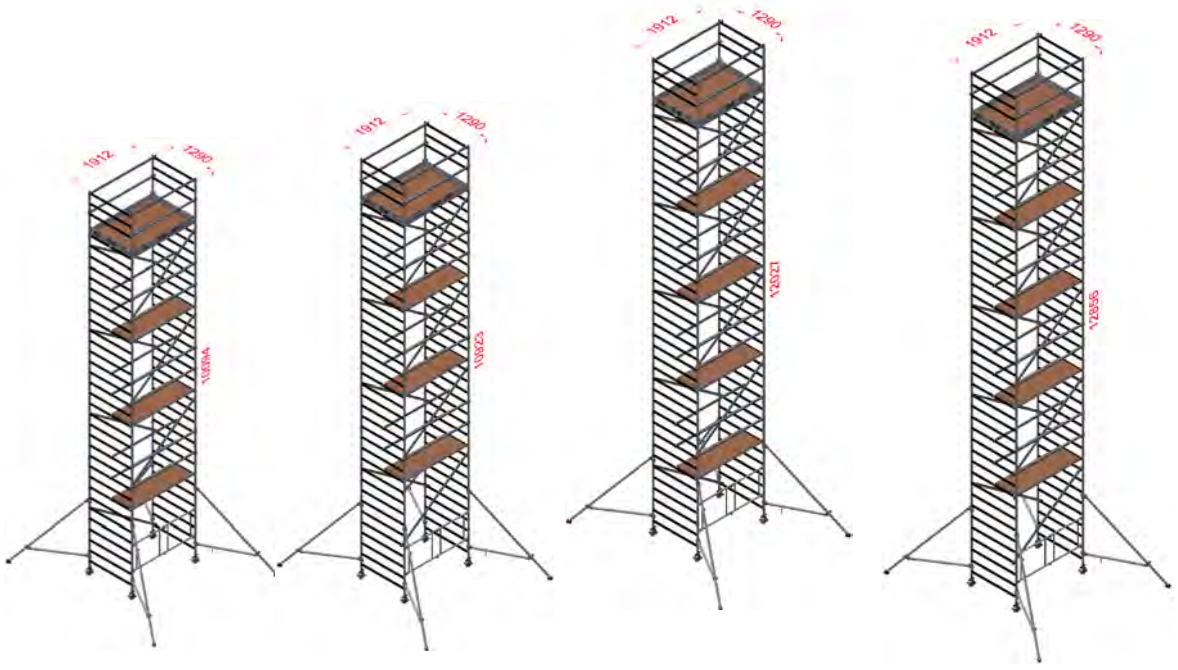
5. Dimensions



	AluKlik 300 XXL	AluKlik 400 XXL	AluKlik 500 XXL	AluKlik 600 XXL
Max. standing height	1.0 m	2.1 m	3.2 m	4.0 m
Max. working height	3.0 m	4.1 m	5.2 m	6.0 m
Scaffold height	2.1 m	3.2 m	4.3 m	5.1 m



	AluKlik 700 XXL	AluKlik 800 XXL	AluKlik 900 XXL	AluKlik 1000 XXL
Max. standing height	5.1 m	6.0 m	7.1 m	7.9 m
Max. working height	7.1 m	8.0 m	9.1 m	9.9 m
Scaffold height	6.2 m	7.1 m	8.2 m	9.0 m

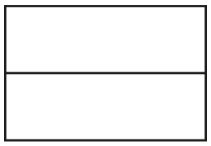
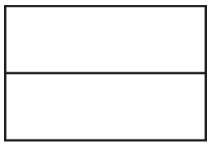
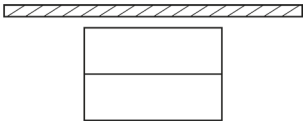
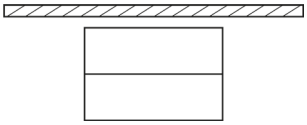
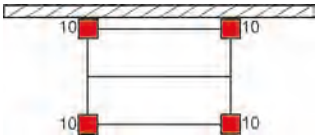
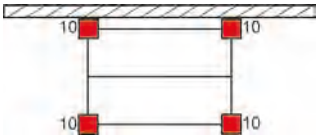


	AluKlik 1100 XXL	AluKlik 1200 XXL	AluKlik 1300 XXL	AluKlik 1400 XXL
Max. standing height	9.0 m	9.9 m	10.9 m	11.8 m
Max. working height	11.0 m	11.9 m	12.9 m	13.8 m
Scaffold height	10.1 m	10.9 m	12.0 m	12.9 m

6 Minimum requirements to ensure stability

6.1 AluKlik 300 XXL to AluKlik 400 XXL

The AluKlik 300 XXL to AluKlik 600 XXL scaffolds can be assembled and used without triangular cantilevers in accordance with DIN EN 1004-1 and static calculations. However, to ensure the stability of the scaffold, ballasts must be attached and symmetrically aligned.

Without triangular outrigger				
	Central, free-standing		Wall position, with wall spacers	
	Outdoors	In closed rooms	Outdoors	In closed rooms
AluKlik XXL 300	No triangular cantilevers	No triangular cantilevers	No triangular cantilevers	No triangular cantilevers
				
AluKlik XXL 400	No triangular cantilevers	No triangular cantilevers	No triangular cantilevers	No triangular cantilevers
				

6.2 Attaching the ballasts to the AluKlik 400 XXL

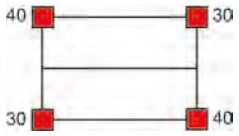
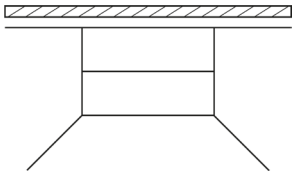
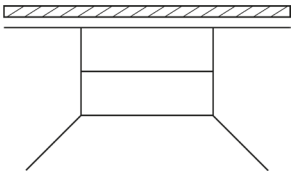
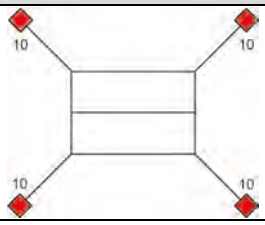
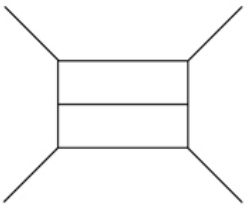
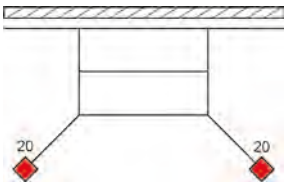
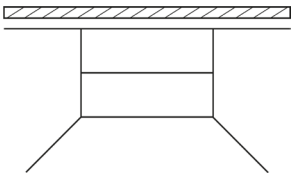
The ballast must be attached according to the following illustrations:

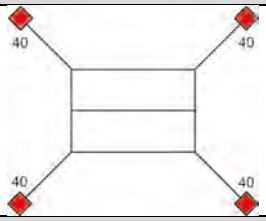
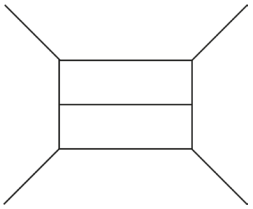
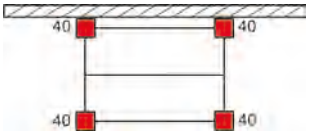
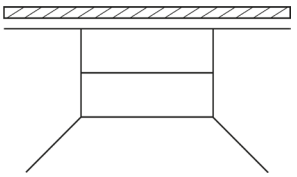
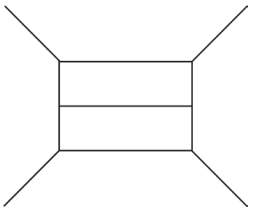
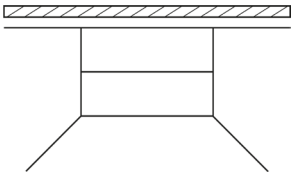
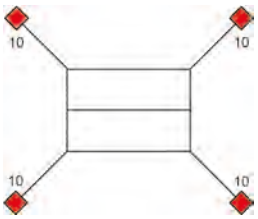
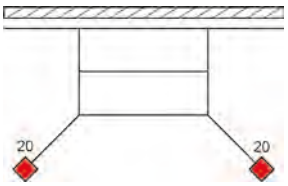
AluKlik 400 XXL

A maximum of 4 ballast discs can be attached per ballast holder. The ballast weights and the ballast holders are available separately as accessories.

6.3 AluKlik 500 XXL to AluKlik 1400 XXL

Starting with the AluKlik 500 XXL, triangular outriggers and, depending on the position, additional ballast are required to ensure the stability of the scaffolding. These must be attached symmetrically. The assembly of the telescopic triangular boom and the attachment of the ballast are described in Section 7.

WITH triangular cantilever				
	Central, free-standing		Wall position, with wall spacers	
	Outdoors	In closed rooms	Outdoors	In closed rooms
AluKlik 500 - 600	No triangular cantilevers	No triangular cantilevers	4x triangular cantilevers	4x triangular cantilevers
				
AluKlik 700 - 800	4x triangular cantilevers & 40 kg ballast	4x triangular cantilevers	4x triangular cantilevers & 40 kg ballast	4x triangular cantilevers
				

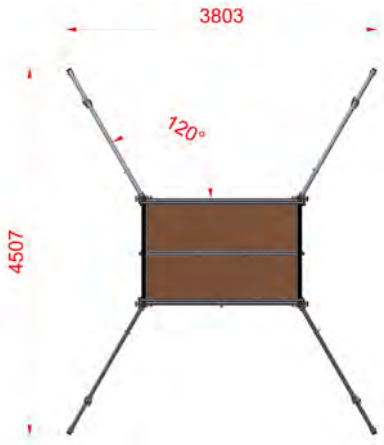
WITH triangular cantilever				
	central, free-standing		Wall position, with wall spacers	
	Outdoors	In closed rooms	Outdoors	In closed rooms
AluKlik XXL 900 - 1000	4x triangular cantilevers & 160 kg ballast	4x triangular cantilevers	4x triangular cantilevers & 160 kg ballast	4x triangular cantilevers
				
AluKlik XXL 1100 - 1200	Not permitted*	4x triangular cantilevers	Not permitted*	4x triangular cantilevers
	Not permitted*		Not permitted*	
AluKlik XXL 1300 - 1400	Not permitted*	4x triangular cantilevers & 40 kg ballast	Not permitted*	4x triangular cantilevers & 40 kg ballast
	Not permitted*		Not permitted*	

*The AluKlik XXL models may only be used outdoors up to a maximum working height of 10 meters.

When using wall anchors, no ballasting is required. The assembly of the wall anchors is done according to section 9.

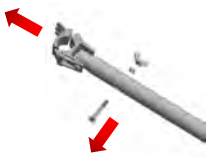
7. Assembling the triangular outriggers and attaching the ballasts

The assembly of the triangular cantilevers and ballasts is to be carried out according to the following illustrations. When moving the scaffold, the triangular cantilevers must not be lifted more than 2 cm above the ground. The ballast weights are available separately as accessories.



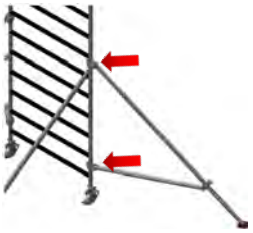
The assembly of the triangular outriggers **for free-standing, central** assembly must be carried out in the following sequence:

1. Loosen the screw connection and pull out the telescopic outrigger completely, up to the next locking opening.



2. Tighten the loosened screw connection again.

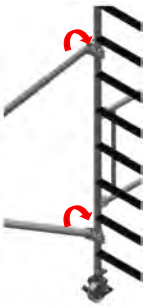
3. Attach the outriggers with the tube clamps below the top rung of the folding unit and above the 3rd rung, but do not tighten them yet for alignment.



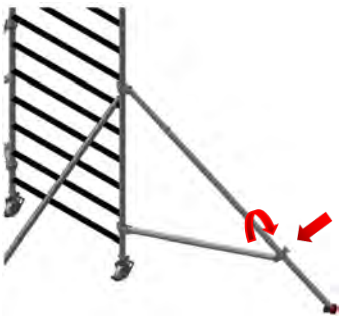
4. Align the outriggers according to the illustration. The following distances can be used to help with alignment:

   - A min. = 1.60m
   - B min. = 0.93m

5. After alignment, tighten the tube clamps with the wing nuts.



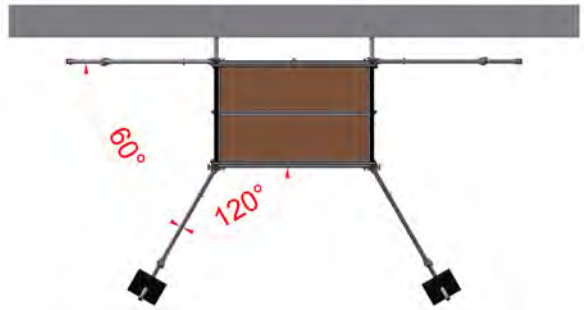
6. Press the triangular outrigger down so that the foot has firm contact with the ground. At the same time, screw the tube connector to the joint.



The mounting of the ballasts **for free-standing, central structure** is to be carried out as follows:

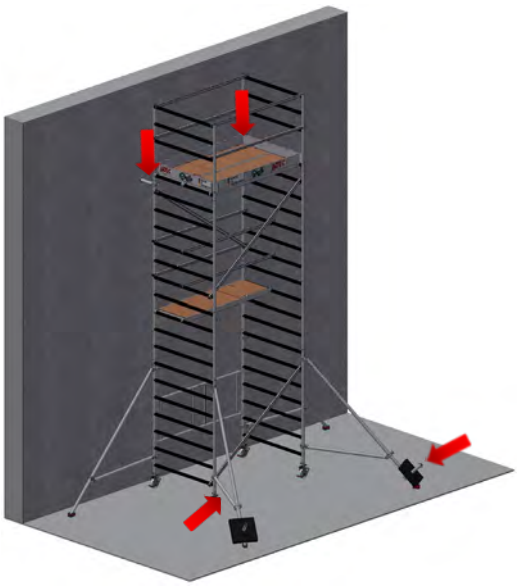
1. Attach wall spacers (used as ballast holders) to triangular outriggers and fix them with wing nuts.
2. Place the ballast discs on the wall spacers according to the ballasting table (section 6). Make sure that the **ballasts are always distributed symmetrically**.
3. To secure against unintentional loosening of the ballasts, attach tube clips to the end of the wall spacer.

In wall position, align the triangular cantilevers as follows:



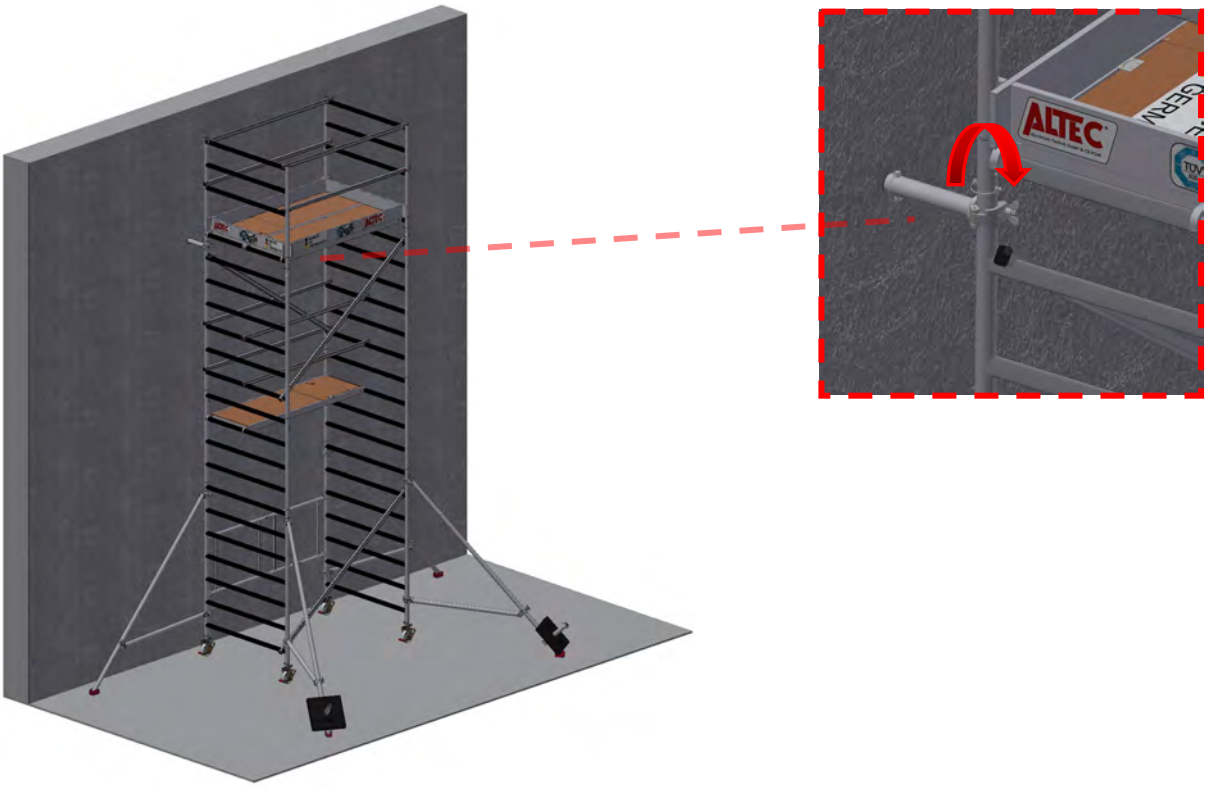
In wall position, the ballasts are to be attached as follows:

1. Attach the wall spacer (used as a ballast holder) to the respective stalk tube of the basic folding unit between the first and second rung and fix it with the wing nut.
2. Place the ballast discs on the wall spacers according to the ballasting table (section 6). Make sure that the **ballasts are always distributed symmetrically**.
3. To secure against unintentional loosening of the ballasts, attach tube clips to the end of the wall spacer.



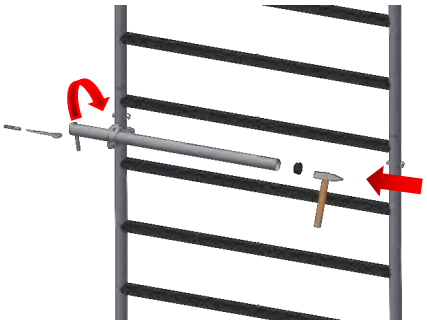
8. Attaching the wall spacers

The wall spacers, used as such, are attached to the stem tubes of the vertical frame below the top decking and fixed with the wing nuts.



9. Mounting the wall anchors

The wall anchors are attached to the shaft tubes with a cross coupling. The exact position of each wall anchorage in the scaffold can be found on the following page. Proceed as follows in detail:

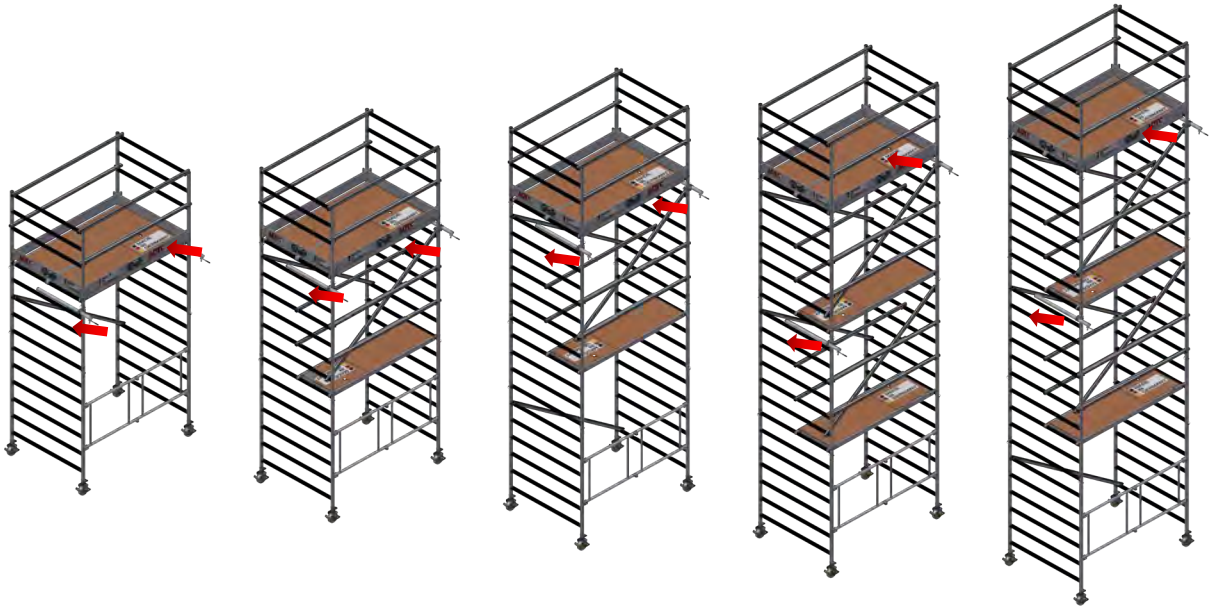


1. Hold the wall anchorage on the standard tube to determine the position for the wall screw.

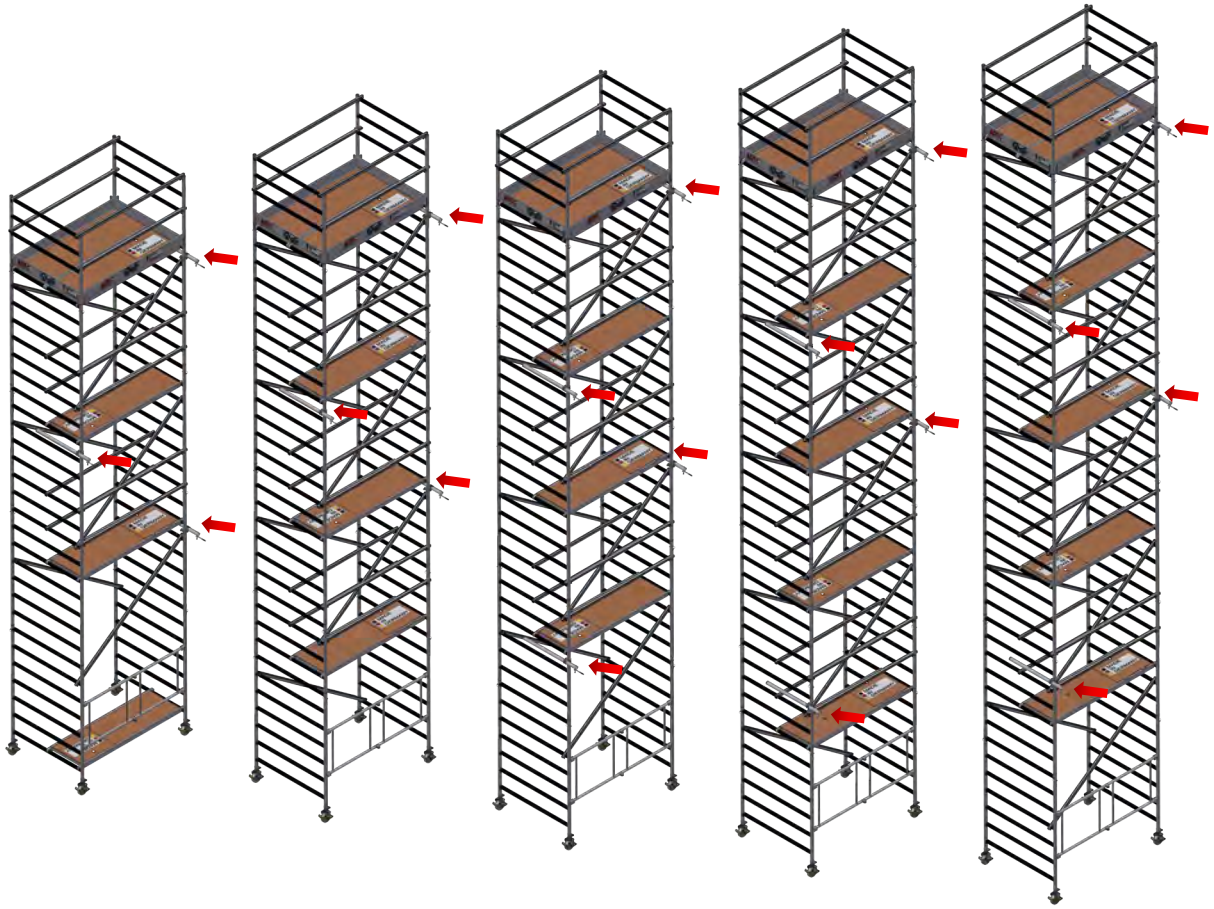
2. Drill a hole with Ø 14mm, insert the dowel and screw in the wall screw. The supplied dowels are intended for the following building materials: Concrete B 25, bricks MZ 20, solid sand-lime brick KSV 20. For all other building materials, the dowels specified for them must be used. Non load-bearing masonry, plaster or insulation must be taken into account. These do not count as anchorage.

3. Hook the wall anchor into the eyelet of the screw. Attach the wall anchor to the stem tube with the cross coupling.

4. Make sure that the cross coupling is firmly seated. Insert cover caps at the end of the tube.



AluKlik 500 XXL AluKlik 600 XXL AluKlik 700 XXL AluKlik 800 XXL AluKlik 900 XXL



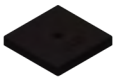
AluKlik 1000 XXL AluKlik 1100 XXL AluKlik 1200 XXL AluKlik 1300 XXL AluKlik 1400 XXL

10. Parts overview

Designation	Representation		Quantities for AluKlik XXL											
		Item number	300	400	500	600	700	800	900	1000	1100	1200	1300	1400
Cover cap Ø50.6		Z-STOPFEN-G50-P 0.008 kg	0	4	4	4	4	4	4	4	4	4	4	4
Tube clip		K00-ET-CLIP-K-0 0.062 kg	4	4	8	8	12	12	16	16	20	20	24	24
Cotter pin		H00-ET-CLIP-K-0 0.028 kg	4	4	4	4	4	4	4	4	4	4	4	4
Hexagon screw M10x60		X-931-10*60--V 0.044 kg	4	4	4	4	4	4	4	4	4	4	4	4
Hex nut M10		X-985-8-10--V 0.010 kg	4	4	4	4	4	4	4	4	4	4	4	4
Toe board set		L00-BB-1913-4-A 9.9 kg	0	1	1	1	1	1	1	1	1	1	1	1
Basic folding unit 7 rungs		K00-FE-1713-0-2.0 20.9 kg	1	1	1	1	1	1	1	1	1	1	1	1
Vertical frame 135/7		K00-VR-0013-7-0 12.2 kg	0	0	0	2	2	4	4	6	6	8	8	10
Vertical frame 135/4		K00-VR-0013-4-0 6.8 kg	0	0	2	0	2	0	2	0	2	0	2	0
Railing frame 135		K00-GR-1013-2-0 4.9 kg	0	2	2	2	2	2	2	2	2	2	2	2
Diagonal 1.9m		H00-DI-1900-5-0-2.0 2.4 kg	0	0	1	2	3	4	5	6	7	8	9	10
Horizontal 1.9m		H00-HO-1900-0-0 2.2 kg	0	**4**	4	8	8	12	12	12	16	16	20	20

Designation	Representation		Quantities for AluKlik XXL											
		Item number	300	400	500	600	700	800	900	1000	1100	1200	1300	1400
Covering 1.9m		H00-BE-1900-0-0 13.8 kg	1	1	1	1	1	1	1	1	1	1	1	1
Access deck 1.9 m		H00-DB-1900-0-0 14.0 kg	1	1	1	2	2	3	3	4	4	4	5	5
Scaffolding roll Ø150mm (with spindle, nut and spacer tube)		K00-LR+SPINDL15 3.8 kg	4	4	4	4	4	4	4	4	4	4	4	4

Accessories (optionally available):

Designation	Representation		Quantities for AluKlik XXL - *depending on model*											
		Item number	300	400	500	600	700	800	900	1000	1100	1200	1300	1400
Model: Wall anchorage														
Cover cap Ø50.6		Z-STOPFEN-G50-P 0.008 kg	0	0	2	2	2	2	2	3	3	4	4	4
Dowel		S00-DUE-0014-0-P 0.006 kg	0	0	2	2	2	2	2	3	3	4	4	4
Wall screw		S00-WS-1212-0-V 0.172 kg	0	0	2	2	2	2	2	3	3	4	4	4
Wall cover plug		S00-WA-0014-0-P 0.001 kg	0	0	2	2	2	2	2	3	3	4	4	4
Wall anchorage		K00-WS-0900-0-0 2.5 kg	0	0	2	2	2	2	2	3	3	4	4	4
Cross coupling		S00-KU-KREUZ-51-51 1.376 kg	0	0	2	2	2	2	2	3	3	4	4	4
Model: Triangular outrigger														
Triangular outrigger		H00-DA-2600-0-T 5.4 kg	0	0	4	4	4	4	4	4	4	4	4	4
Wall spacer/ Ballast holder		K00-WA-1000-0-0 0.6 kg	As required	As required	As required	As required	As required	As required	As required	As required	As required	As required	As required	As required
Ballast		K00-BL-0010-0-K 10.0 kg	As required	As required	As required	As required	As required	As required	As required	As required	As required	As required	As required	As required
Footplates (with spindle, nut and spacer tube)		H00-FP-0615-0-0 3.8 kg	4	4	4	4	4	4	4	4	4	4	4	4

11. General assembly instructions

The scaffold may only be set up after the preceding sections of the instructions for assembly and use have been read through completely and understood. User training is not a substitute for the instructions for assembly and use, but merely supplements them. Before assembly, make sure that all components required for assembly are present and that the components are not damaged. Only original components from ALTEC Aluminium-Technik GmbH may be used. We recommend the following tools for assembly: Spirit level, hammer and SW 22 spanner.

The assembly instructions describe the assembly of the different assembly variants. Read the complete assembly instructions before assembly and note the differences between the various assembly variants.

11.1 Diagonal and horizontal braces

The diagonal and horizontal braces have the same design and differ only in length and lever colour. The diagonal is longer than the horizontal. The lever colour is red for the horizontal braces and blue for the diagonal braces.

The strut claws are inserted into the rungs or stems. A spring-loaded lever in the claw prevents unintentional shifting of the strut.

Horizontal brace

Diagonal brace

If the drop height is more than 1m, it is forbidden to stand on the decking without side railings. This means that the attachment and removal of the handrail and knee rail during assembly and disassembly must be performed while sitting on the decking. During assembly, the front claws must be hooked in first and then the rear claws. When dismantling, the claws are removed in the reverse order.

As illustrated by the AluKlik 800 XXL*, safe assembly must be carried out in the following order:

1. Pull apart the folding unit.
   Mount the triangular outrigger.
   Attach the vertical frame.
   Hook in diagonal braces.
   Hook in the access decking.

2. While sitting on the access deck, mount the horizontals and diagonals on the outside.

3. Slide the access decking to the other outer side.

4. From the access decking, mount the horizontals and diagonals on the other outer side while sitting.

5. Hang the decking

6. Attach the vertical frame.
   Hang the second access deck on the next level.

7. While sitting on the access deck, mount the horizontals and diagonals on the outside.

8. Slide the access decking to the other outer side.

9. From the access decking, mount the horizontals and diagonals on the other outer side while sitting.

*other working heights are to be assembled analogously and according to the respective scope of delivery.

10. Move the horizontals of the lower level *(handrail and knee rail)* to the centre.
Unhook the decking from the first level and hook it into the second level.

11. Fit the railing frame *(top frame unit)*.
Hang the third access panel on the next level.

12 While sitting on the access deck, mount the horizontals and diagonals on the outside.

13. Slide the access decking to the other outside.

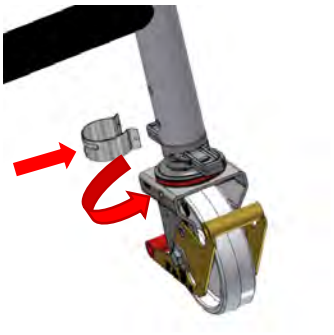
14. While sitting on the access decking, mount the horizontals on the other side.

15. Move the horizontals of the lower level *(handrail and knee rail)* to the centre.
Push back the access decking of the top level.
Unhook the decking from the second level and hook it into the third level.
Install the toe boards.

11.2 Attaching the 150mm diameter castor

To mount the castors, insert them with the tube attachment on the spindle into the stem tubes of the basic folding unit and fix them with the spring clips.

Insert the castor

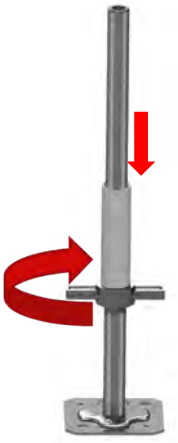


Secure the castor

Notice: When the entire scaffold is assembled, the spindle may be pulled out **max. 23cm**! The adjusting nut must be turned upwards accordingly. To prevent the scaffold from tipping over, align the scaffold vertically using the spindle.

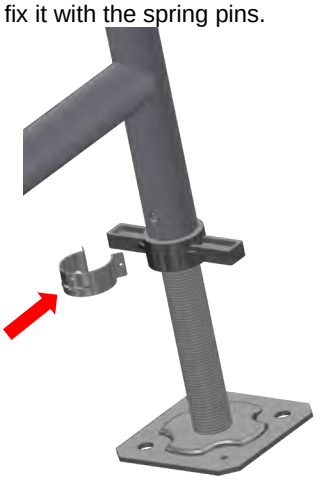
11.3 Mounting height-adjustable footplates

1. To assemble the foot plates, place the folding unit on the floor. Put the tube attachment on the spindle and turn the adjusting nut to the lower stop.



Insert the footplates

2. Insert the base plate with the spindle including the tube attachment into the frame shaft as far as it will go and fix it with the spring pins.



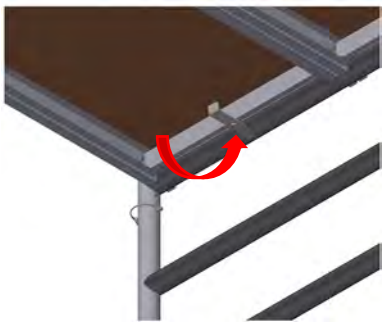
Secure the footplates

Notice: When the entire scaffold is set up, the spindle may be pulled out **max. 28cm.** The adjusting nut must be moved upwards accordingly. To prevent the scaffold from tipping over, align the scaffold vertically using the spindle.

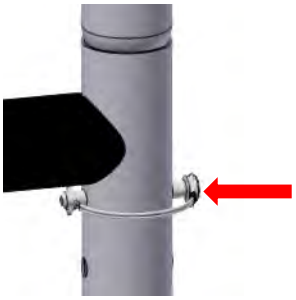
11.4 Locking the wind protection and securing the vertical frames

To lock the wind protection, turn the ledger below the access deck until it is below the rung.

To secure the vertical frames, insert the tubular folding plug into the upper hole of the stem, directly below the first rung, and close it. The lower hole serves as a parking position for the folding tube plug and not for securing the upper frame.



Wind protection

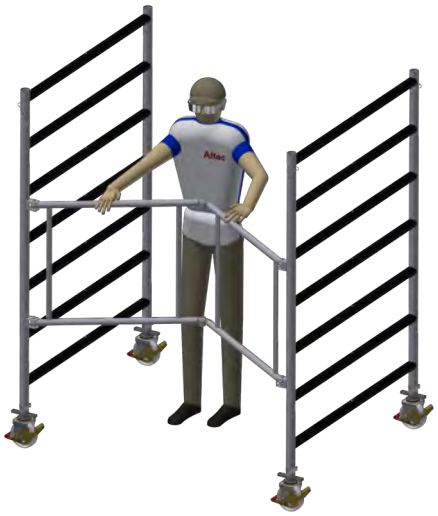


Tube clip

11.5 Setting up the folding unit and inserting the toe boards

Pull the base frame apart and firmly engage the joints in the folding unit. After snapping into place, the folding unit should be at a 90° angle to the vertical frames.

First set up the longitudinal toe boards with the cut-out facing upwards and then nest the end toe boards with the cut-out facing downwards into the longitudinal toe boards.



Folding unit

Toe board

12. Assembly

When assembling, please also observe the steps and sequence for using the access decking described under point 11.

12.1 AluKlik 300 XXL Assembly

Basic module composition

Item no.	Designation	Quantity
K00-FE-1713-0-2.0	Basic folding unit 7 rungs	1
K00-LR+SPINDL15	Scaffolding roll Ø150mm	4
H00-DB-1900-0-0	Access decking 1.9m	1
H00-BE-1900-0-0	Covering 1.9m	1

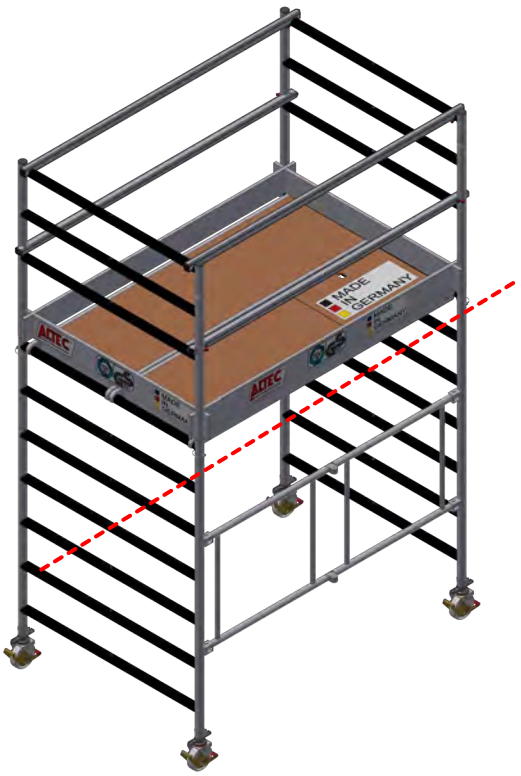
12.2 AluKlik 400 XXL Assembly

Final module composition

Item no.	Description	Quantity
K00-GR-1013-2-0	Railing frame 135	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-BE-1900-0-0	Covering 1.9m	1
H00-DB-1900-0-0	Access decking 1.9m	1
L00-BB-1913-4-A	Toe board set	1

Basic module composition

Item no.	Description	Quantity
K00-FE-1713-0-2.0	Basic folding unit 7 rungs	1
K00-LR+SPINDL15	Scaffolding roll Ø150mm	4



12.3 AluKlik 500 XXL Assembly

Final module composition

Item no.	Description	Quantity
K00-GR-1013-2-0	Railing frame 135	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-BE-1900-0-0	Covering 1.9m	1
H00-DB-1900-0-0	Access decking 1.9m	1
L00-BB-1913-4-A	Toe board set	1

Intermediate module composition

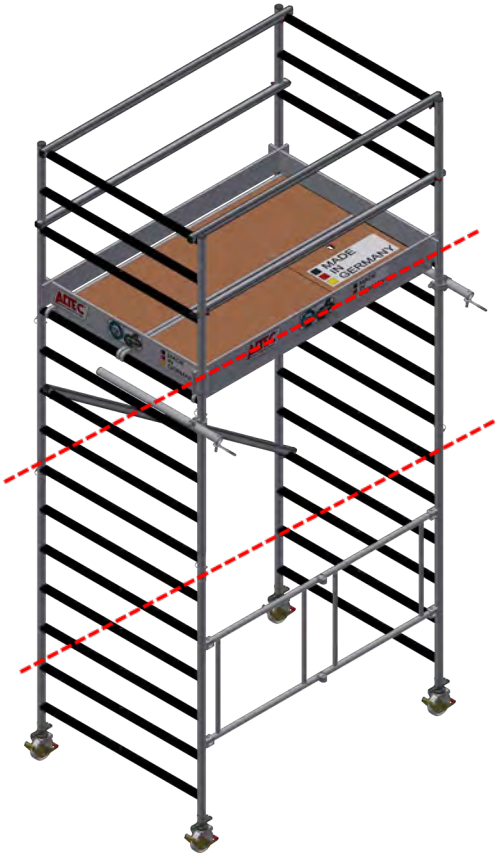
Item no.	Description	Quantity
K00-VR-0013-4-0	Vertical frame 135/4	2
H00-DI-1900-5-0-2.0	Diagonal 1.9m	1

Basic module composition

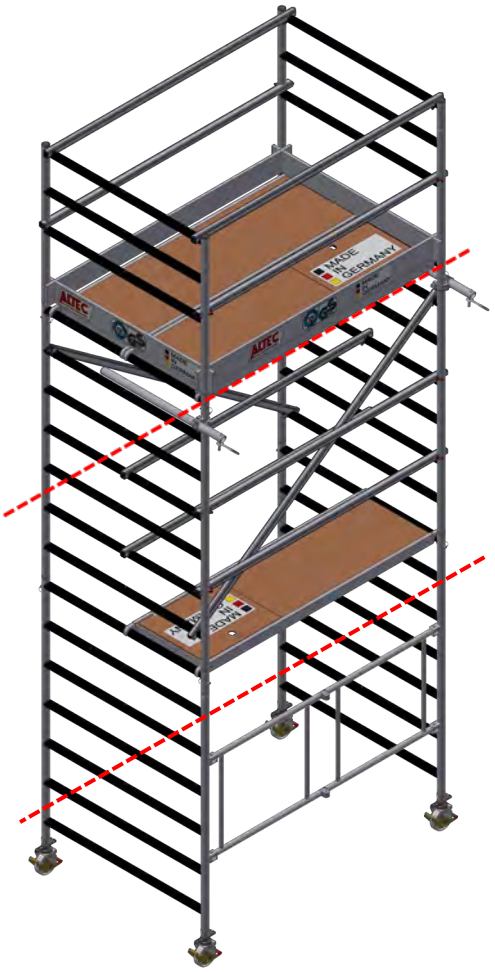
Item no.	Description	Quantity
K00-FE-1713-0-2.0	Basic folding unit 7 rungs	1
K00-LR+SPINDL15	Scaffolding roll Ø150mm	4

To be attached to the basic module according to section 6

Item no.	Description	Quantity
H00-DA-2600-0-T	Triangular outrigger	4



12.4 AluKlik 600 XXL Assembly



Final module composition

Item no.	Designation	Quantity
K00-GR-1013-2-0	Railing frame 135	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-BE-1900-0-0	Covering 1.9m	1
H00-DB-1900-0-0	Access decking 1.9m	1
L00-BB-1913-4-A	Toe board set	1

Intermediate module composition

Item no.	Designation	Quantity
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2
H00-DB-1900-0-0	Access decking 1.9m	1

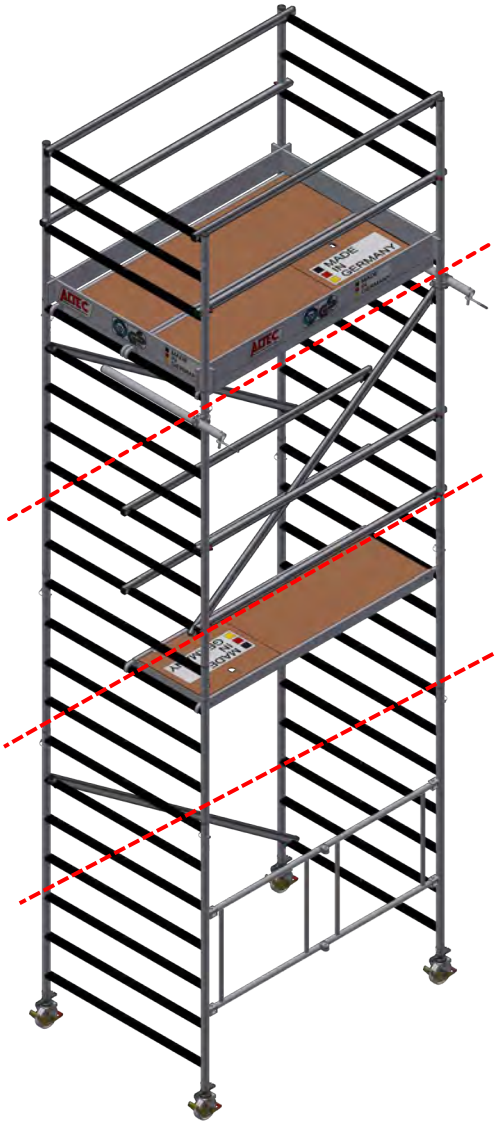
Basic module composition

Item no.	Designation	Quantity
K00-FE-1713-0-2.0	Basic folding unit 7 rungs	1
K00-LR+SPINDL15	Scaffolding roll Ø150mm	4

To be attached to the basic module according to section 6

Item no.	Designation	Quantity
H00-DA-2600-0-T	Triangular outrigger	4

12.5 AluKlik 700 XXL Assembly



Final module composition

Item no.	Designation	Quantity
K00-GR-1013-2-0	Railing frame 135	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-BE-1900-0-0	Covering 1.9m	1
H00-DB-1900-0-0	Access decking 1.9m	1
L00-BB-1913-4-A	Toe board set	1

Composition 2nd intermediate module

Item no.	Designation	Quantity
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2

Composition 1st intermediate module

Item no.	Designation	Quantity
K00-VR-0013-4-0	Vertical frame 135/4	2
H00-DB-1900-0-0	Access decking 1.9m	1

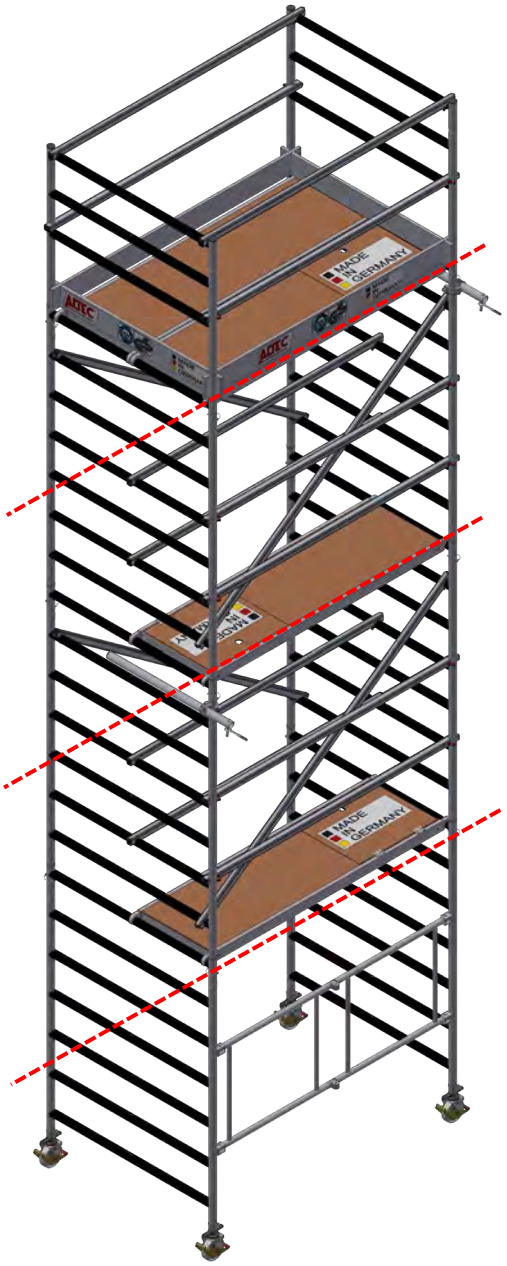
Basic module composition

Item no.	Designation	Quantity
K00-FE-1713-0-2.0	Basic folding unit 7 rungs	1
H00-DI-1900-5-0-2.0	Diagonal 1.9m	1
K00-LR+SPINDL15	Scaffolding roll Ø150mm	4

To be attached to the basic module according to section 6

Item no.	Designation	Quantity
H00-DA-2600-0-T	Triangular outrigger	4

12.6 AluKlik 800 XXL Assembly



Final module composition

Item no.	Designation	Quantity
K00-GR-1013-2-0	Railing frame 135	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-BE-1900-0-0	Covering 1.9m	1
H00-DB-1900-0-0	Access decking 1.9m	1
L00-BB-1913-4-A	Toe board set	1

Composition 2nd intermediate module

Item no.	Designation	Quantity
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2
H00-DB-1900-0-0	Access decking 1.9m	1

Composition 1st intermediate module

Item no.	Designation	Quantity
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2
H00-DB-1900-0-0	Access decking 1.9m	1

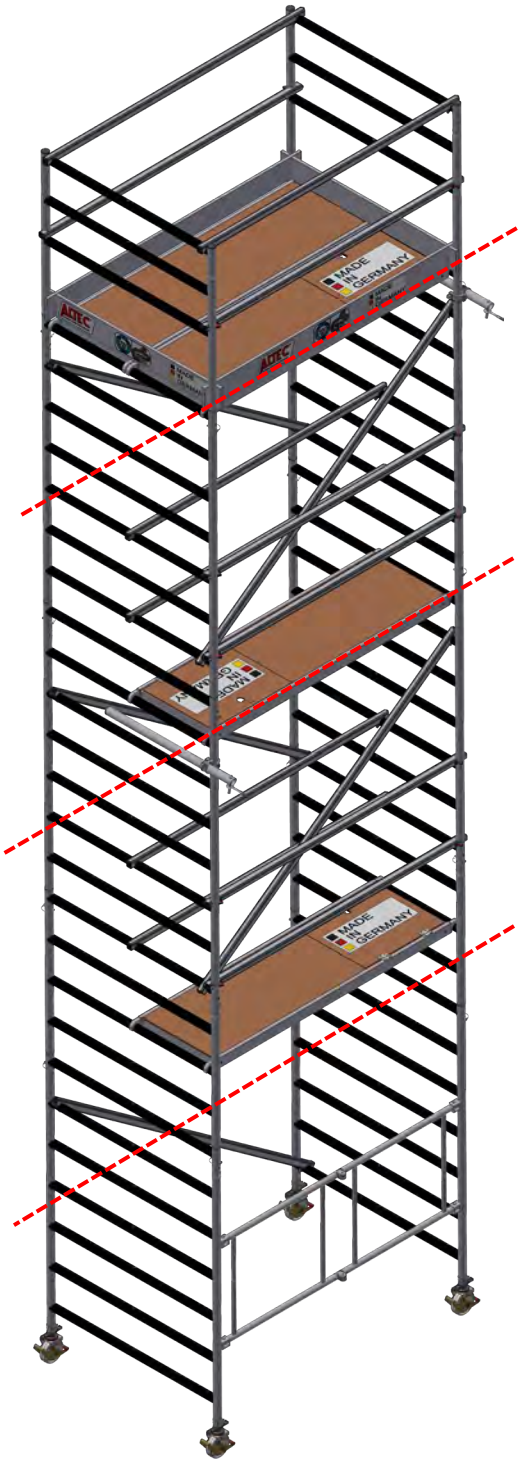
Basic module composition

Item no.	Designation	Quantity
K00-FE-1713-0-2.0	Basic folding unit 7 rungs	1
K00-LR+SPINDL15	Scaffolding roll Ø150mm	4

To be attached to the basic module according to section 6

Item no.	Designation	Quantity
H00-DA-2600-0-T	Triangular outrigger	4

12.7 AluKlik 900 XXL Assembly



Final module composition

Item no.	Designation	Quantity
K00-GR-1013-2-0	Railing frame 135	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-BE-1900-0-0	Covering 1.9m	1
H00-DB-1900-0-0	Access decking 1.9m	1
L00-BB-1913-4-A	Toe board set	1

Composition 2nd intermediate module

Item no.	Designation	Quantity
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2
H00-DB-1900-0-0	Access decking 1.9m	1

Composition 1st intermediate module

Item no.	Designation	Quantity
K00-VR-0013-4-0	Vertical frame 135/4	2
H00-DB-1900-0-0	Access decking 1.9m	1
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2

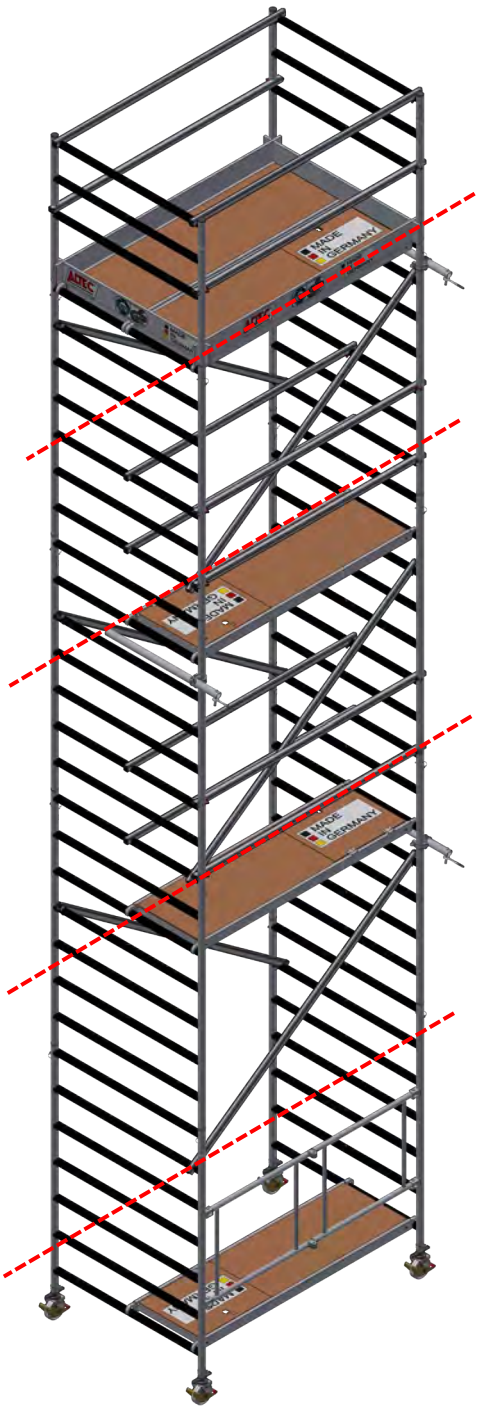
Basic module composition

Item no.	Designation	Quantity
K00-FE-1713-0-2.0	Basic folding unit 7 rungs	1
H00-DI-1900-5-0-2.0	Diagonal 1.9m	1
K00-LR+SPINDL15	Scaffolding roll Ø150mm	4

To be attached to the basic module according to section 6

Item no.	Designation	Quantity
H00-DA-2600-0-T	Triangular outrigger	4

12.8 AluKlik 1000 XXL Assembly



Final module composition

Item no.	Designation	Quantity
K00-GR-1013-2-0	Railing frame 135	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-BE-1900-0-0	Covering 1.9m	1
H00-DB-1900-0-0	Access decking 1.9m	1
L00-BB-1913-4-A	Toe board set	1

Composition 3rd intermediate module

Item no.	Designation	Quantity
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2

Composition 2nd intermediate module

Item no.	Designation	Quantity
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2
H00-DB-1900-0-0	Access decking 1.9m	1

Composition 1st intermediate module

Item no.	Designation	Quantity
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2
H00-DB-1900-0-0	Access decking 1.9m	1

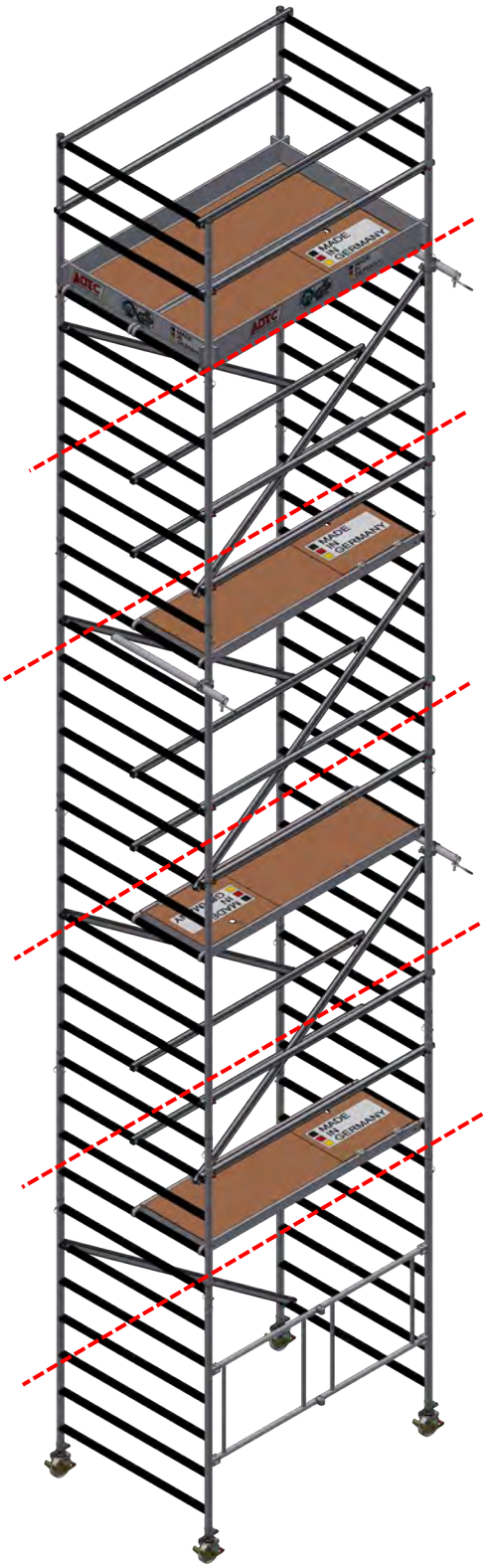
Basic module composition

Item no.	Designation	Quantity
K00-FE-1713-0-2.0	Basic folding unit 7 rungs	1
K00-LR+SPINDL15	Scaffolding roll Ø150mm	4
H00-DB-1900-0-0	Access decking 1.9m	1

To be attached to the basic module according to section 6

Item no.	Designation	Quantity
H00-DA-2600-0-T	Triangular outrigger	4

12.9 AluKlik 1100 XXL Assembly



Final module composition

Item no.	Designation	Quantity
K00-GR-1013-2-0	Railing frame 135	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-BE-1900-0-0	Covering 1.9m	1
H00-DB-1900-0-0	Access decking 1.9m	1
L00-BB-1913-4-A	Toe board set	1

Composition 4th intermediate module

Item no.	Designation	Quantity
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2

Composition 3rd intermediate module

Item no.	Designation	Quantity
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2
H00-DB-1900-0-0	Access decking 1.9m	1

Composition 2nd intermediate module

Item no.	Designation	Quantity
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-DB-1900-0-0	Access decking 1.9m	1
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2
H00-HO-1900-0-0	Horizontal 1.9m	2

Composition 1st intermediate module

Item no.	Designation	Quantity
K00-VR-0013-4-0	Vertical frame 135/4	2
H00-DB-1900-0-0	Access decking 1.9m	1
H00-HO-1900-0-0	Horizontal 1.9m	2

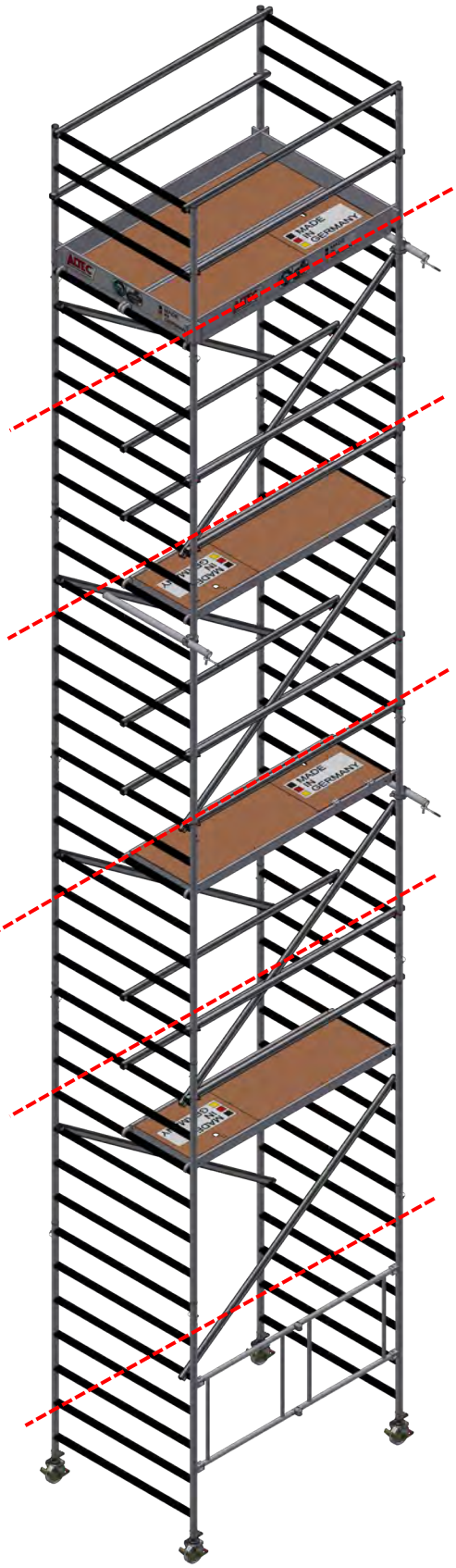
Basic module composition

Item no.	Designation	Quantity
K00-FE-1713-0-2.0	Basic folding unit 7 rungs	1
H00-DI-1900-5-0-2.0	Diagonal 1.9m	1
K00-LR+SPINDL15	Scaffolding roll Ø150mm	4

To be attached to the basic module according to section 6

Item no.	Designation	Quantity
H00-DA-2600-0-T	Triangular outrigger	4

12.10 AluKlik 1200 XXL Assembly



Final module composition

Item no.	Designation	Quantity
K00-GR-1013-2-0	Railing frame 135	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-BE-1900-0-0	Covering 1.9m	1
H00-DB-1900-0-0	Access decking 1.9m	1
L00-BB-1913-4-A	Toe board set	1

Composition 4th intermediate module

Item no.	Designation	Quantity
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2

Composition 3rd intermediate module

Item no.	Designation	Quantity
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2
H00-DB-1900-0-0	Access decking 1.9m	1

Composition 2nd intermediate module

Item no.	Designation	Quantity
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-HO-1900-0-0	Horizontal 1.9m	2
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2
H00-DB-1900-0-0	Access decking 1.9m	1

Composition 1st intermediate module

Item no.	Designation	Quantity
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-DB-1900-0-0	Access decking 1.9m	1
H00-HO-1900-0-0	Horizontal 1.9m	2
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2

Basic module composition

Item no.	Designation	Quantity
K00-FE-1713-0-2.0	Basic folding unit 7 rungs	1
K00-LR+SPINDL15	Scaffolding roll Ø150mm	4

To be attached to the basic module according to section 6

Item no.	Designation	Quantity
H00-DA-2600-0-T	Triangular outrigger	4

12.10 AluKlik 1300 XXL Assembly

Final module composition

Item no.	Designation	Quantity
K00-GR-1013-2-0	Railing frame 135	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-BE-1900-0-0	Covering 1.9m	1
H00-DB-1900-0-0	Access decking 1.9m	1
L00-BB-1913-4-A	Toe board set	1

Composition 5th intermediate module

Item no.	Designation	Quantity
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2

Composition 4th intermediate module

Item no.	Designation	Quantity
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2
H00-DB-1900-0-0	Access decking 1.9m	1

Composition 3rd intermediate module

Item no.	Designation	Quantity
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-HO-1900-0-0	Horizontal 1.9m	2
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2
H00-DB-1900-0-0	Access decking 1.9m	1

Composition 2nd intermediate module

Item no.	Designation	Quantity
H00-DB-1900-0-0	Access decking 1.9m	1
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2

Composition 1st intermediate module

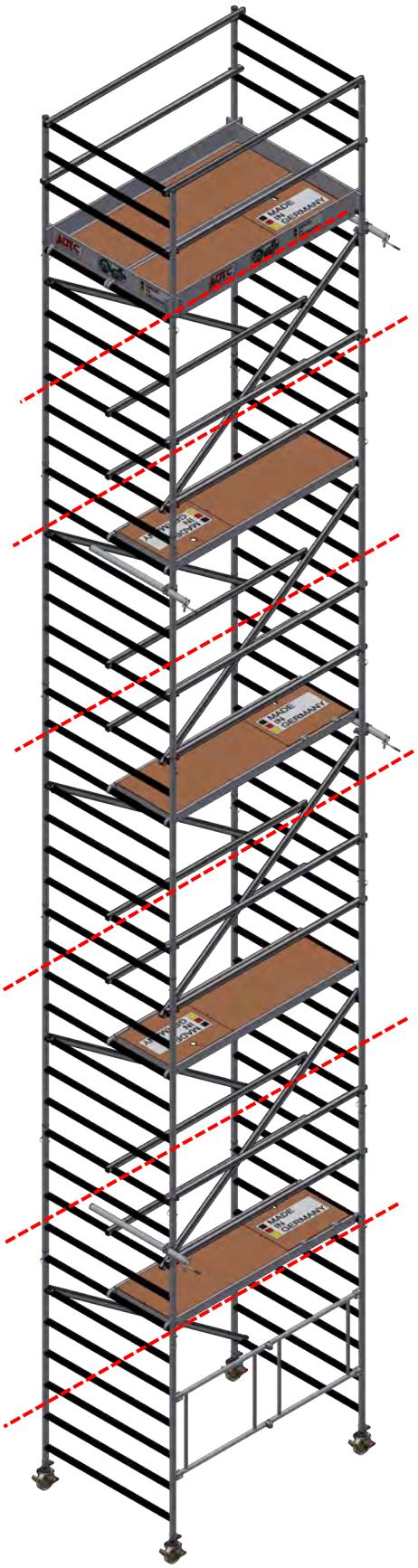
Item no.	Designation	Quantity
K00-VR-0013-4-0	Vertical frame 135/4	2
H00-DB-1900-0-0	Access decking 1.9m	1
H00-HO-1900-0-0	Horizontal 1.9m	2

Basic module composition

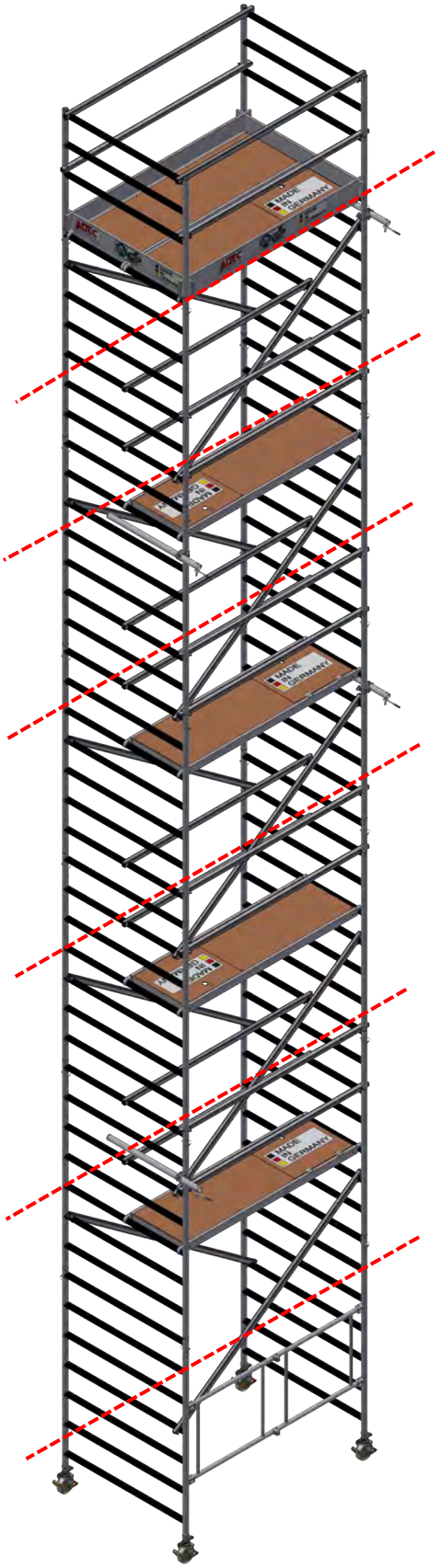
Item no.	Designation	Quantity
K00-FE-1713-0-2.0	Basic folding unit 7 rungs	1
H00-DI-1900-5-0-2.0	Diagonal 1.9m	1
K00-LR+SPINDL15	Scaffolding roll Ø150mm	4

To be attached to the basic module according to section 6

Item no.	Designation	Quantity
H00-DA-2600-0-T	Triangular outrigger	4



12.10 AluKlik 1400 XXL Assembly



Final module composition

Item no.	Designation	Quantity
K00-GR-1007-2-0	Railing frame 70	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-BE-1900-0-0	Covering 1.9m	1
H00-DB-1900-0-0	Access decking 1.9m	1
L00-BB-1913-4-A	Toe board set	1

Composition 5th intermediate module

Item no.	Designation	Quantity
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2

Composition 4th intermediate module

Item no.	Designation	Quantity
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2
H00-DB-1900-0-0	Access decking 1.9m	1

Composition 3rd intermediate module

Item no.	Designation	Quantity
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-HO-1900-0-0	Horizontal 1.9m	2
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2
H00-DB-1900-0-0	Access decking 1.9m	1

Composition 2nd intermediate module

Item no.	Designation	Quantity
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-HO-1900-0-0	Horizontal 1.9m	4
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2
H00-DB-1900-0-0	Access decking 1.9m	1

Composition 1st intermediate module

Item no.	Designation	Quantity
K00-VR-0013-7-0	Vertical frame 135/7	2
H00-DB-1900-0-0	Access decking 1.9m	1
H00-HO-1900-0-0	Horizontal 1.9m	2
H00-DI-1900-5-0-2.0	Diagonal 1.9m	2

Basic module composition

Item no.	Designation	Quantity
K00-FE-1713-0-2.0	Basic folding unit 7 rungs	1
K00-LR+SPINDL15	Scaffolding roll Ø150mm	4

To be attached to the basic module according to section 6

Item no.	Designation	Quantity
H00-DA-2600-0-T	Triangular outrigger	4

13. Inspection, care and maintenance

The following instructions must be observed during use and maintenance:

- Never drop scaffold parts onto the ground from a great height.
- Do not expose the scaffold parts to aggressive liquids or gases.
- Clean the scaffold regularly, especially the moving parts from paint, plaster, mortar or other residues by steam blasting. The scaffold components can be cleaned with water and a commercially available cleaning agent. Soiling caused by paint can be removed with turpentine. Cleaning agents must not get into the soil. Used cleaning agents must be disposed of in accordance with the applicable environmental regulations.
- Before assembly, all parts must be checked for completeness and damage and replaced if damaged. Only original spare parts from ALTEC Aluminium-Technik GmbH may be used. After each use, check the scaffolding parts for breaks, cracks or other damage. Contact the manufacturer for the treatment of damaged components.

The following parts must be checked before each assembly:

1. Vertical frame for deformation, crushing and cracking.
2. Braces for deformation, crushing, cracking and function of the securing device.
3. Decking for deformation, crushing, cracking and function of the safety device, condition of the wood and function as well as the locking of the flaps.
4. Castors for rolling ability of the castor and function of the brake for rolling and turning resistance.

- Store the scaffold parts upright or lying flat in a dry place. To avoid damage, do not throw the parts.
- When transporting the scaffold parts, check that they are adequately secured. Scaffold components must be placed during transport in such a way that damage due to slipping, bumping, falling down etc. is avoided.

Language version according to ISO 639-1 en.

Errors, misprints and technical changes reserved.

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