ALTRAD

COFFRAGE
& ÉTAIEMENT
LOCATION
VENTE
MONTAGE

ESCAPLUS

WORKING PLATFORMS & ACCESS

MODULAR HELICAL STAIRCASE STACKABLE BY STAND-ALONE MODULE • 10-2025

INFORMATIONS

This document is intended for all persons working with the Altrad Formwork & Shoring product described and contains information on the installation and use of the system in accordance with the guidelines.

All persons who work with these various products must be fully familiar with the contents of these documents and their safety information. The use of our products is subject to compliance with the laws and regulations, in their current version, in France. The safety instructions and load specifications must be strictly adhered to. This document can also be used as generally applicable installation and operating instructions or as part of site-specific installation and operating instructions.

Altrad Coffrage & Etaiement reserves the right to make changes for the purpose of technical optimisation. Errors, typographical and printing errors excepted.

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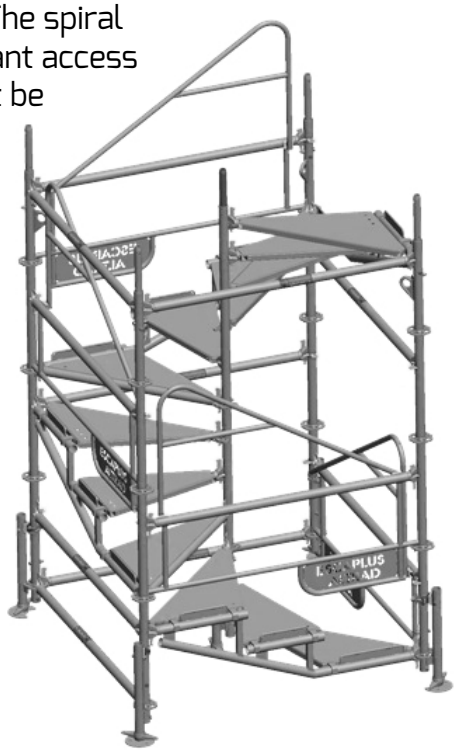
SOMMAIRE

PRESENTATION

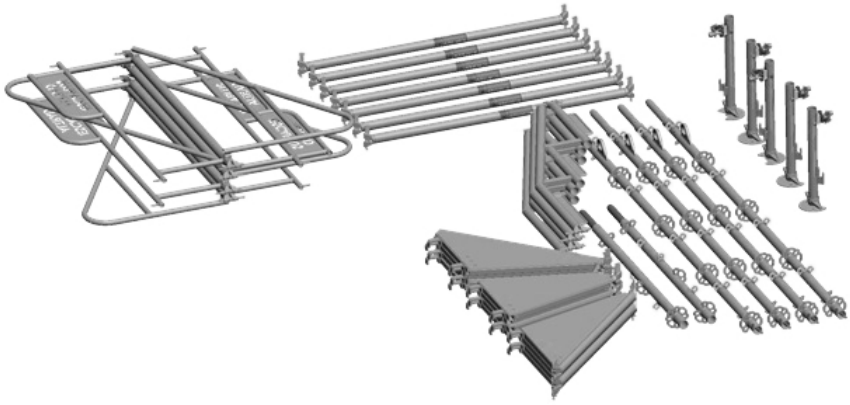
Characteristics

Space-saving rotating staircase

The ESCAPLUS is a compact and spiral construction site staircase. The spiral staircase is composed of standardized modules. It is designed to grant access to workstations, scaffoldings, or shoring towers. The modules must be erected on the ground. they are then stacked on top of each other within a limit of 10 modules. (24m high). Every module is completely dismantlable (stored a storage frame) and each module components are lightweight and space saving.

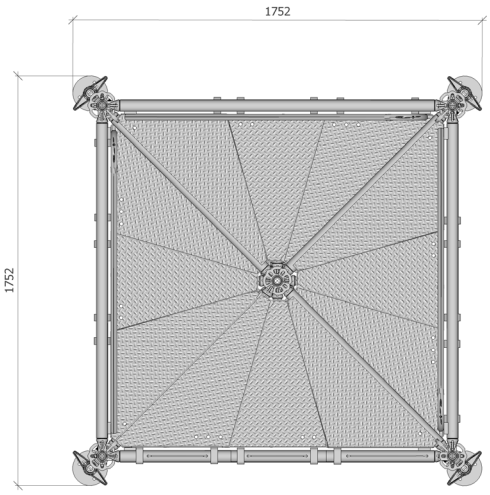


- The ESCAPLUS is compact as the length between the standards is 1,5m. With an overall clutter of 1,7m by 1,7m. The module height is 2,4m with an overall height of 3,1m.
- The weight of each module is 350kg with each component weighting no more than 14kg.



Stairs with side exit

This spiral staircase can be rotated by 90° in order to have a step in front of the slab to be serviced. There is a lateral exit on all 4 faces of the ESCAPLUS staircase (Every 60cm)



In accordance with the french standards for NF P 93-521

- The structure is designed to withstand an operating load of up to 10 people, or 1000 daN. The maximum height being 24m.
- The steps can withstand a distributed load of 200daN/m² and a point load of 360 daN.
- The staircase is designed to be used with a wind speed up to 65km/h.

Regulations

Excerpts from the regulations in force concerning the implementation and use of scaffolding in France

Fiat of September 1st, 2004

Obligation of competence and training (Art: R4323-69)
«*Scaffolding may be erected, dismantled or substantially modified only under the direction of a competent person and by workers who have received adequate and specific training for the operations envisaged*».

Obligation to use instructions and to draw up calculation notes (Art: R4323-70)
«The person in charge of assembling, dismantling or modifying a scaffold tower and the workers involved must have the manufacturer's instructions or the assembly and dismantling plan, of any instructions they may contain.»

«When the scaffolding erection corresponds to that specified in the manufacturer's instructions, it must be carried out in accordance with the calculation note to which these instructions refer.»

«When the calculation note is not available or the envisaged structural configurations are not covered by it, a resistance and stability calculation must be carried out by a competent person.»

«When the envisaged configuration of the scaffolding does not correspond to an erection specified in the instructions, an erection and dismantling plan must be established by a competent person.»

«These documents must be kept on the worksite."

Prohibition to mix incompatible elements (article R4323-72)
«*Assemblies must be carried out safely, using compatible components of the same origin and under the conditions for which they have been tested.*»

Decree of 21 December 2004 on the verification of scaffolding

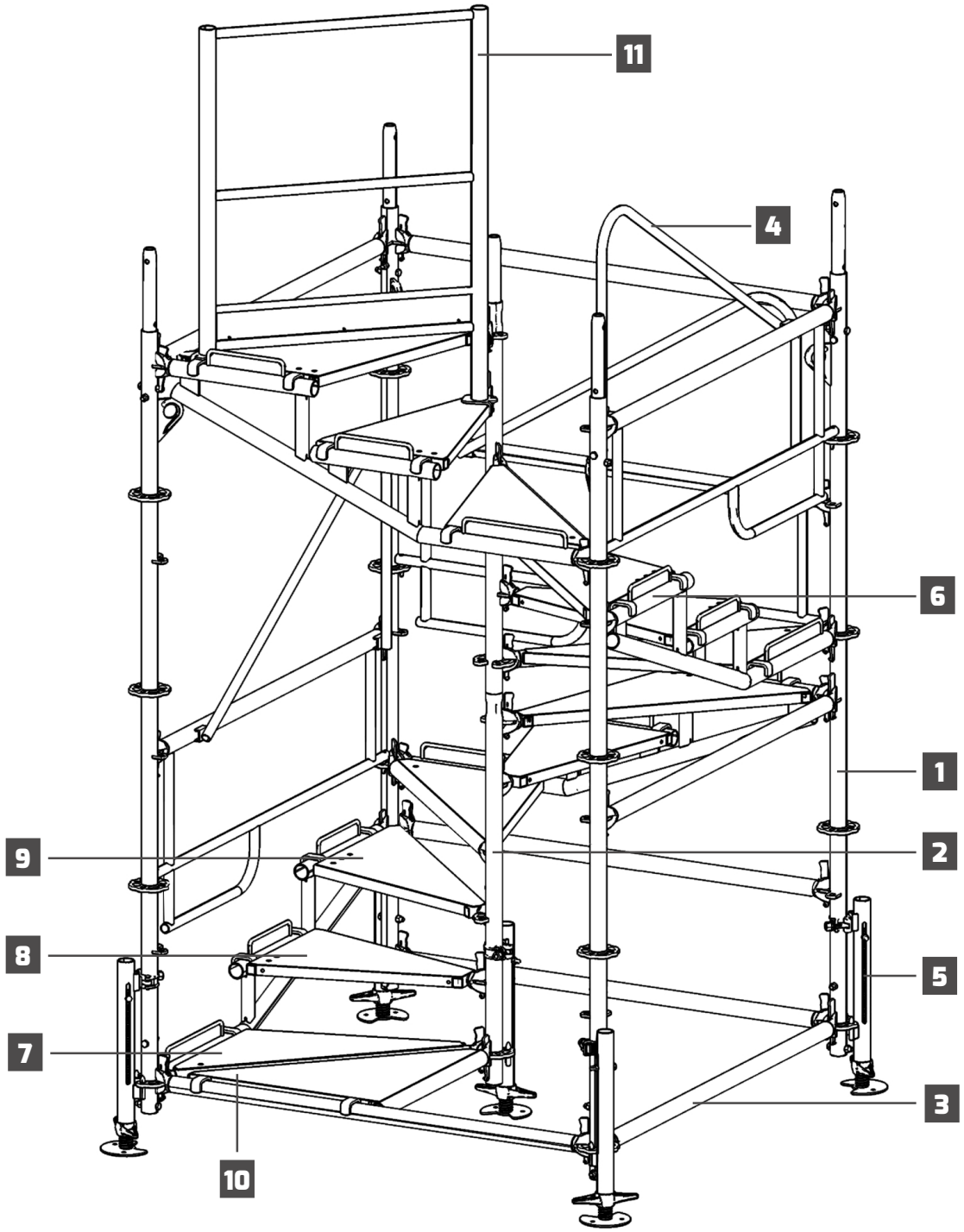
This decree engages the responsibility of the company director whose staff uses the scaffolding. It also defines the reviews that may be included in the inspections. (Article 3)

- adequacy review
- erection and installation examination
- review of the state of conservation

These three examinations are carried out before being put into or returned to service (Article 4)
The decree also requires daily and quarterly checks (articles 5 and 6)

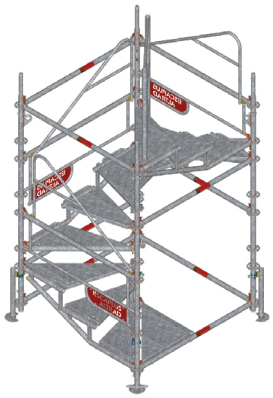
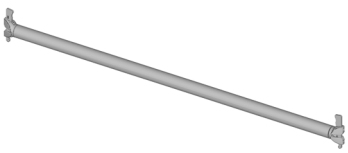
COMPONENTS

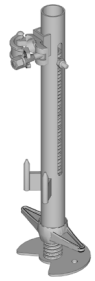
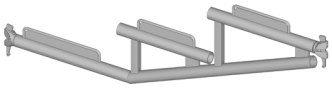
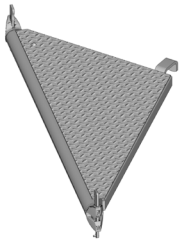
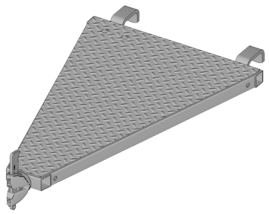
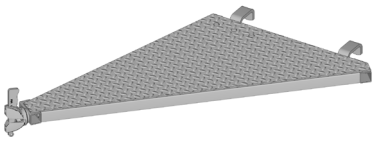
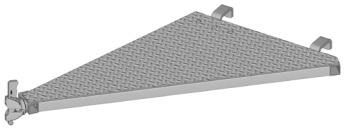
Part list

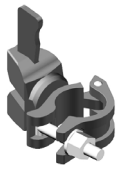
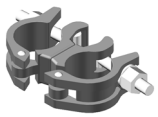
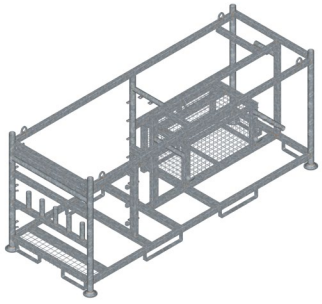
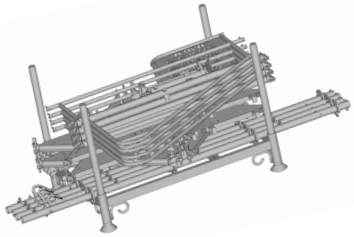


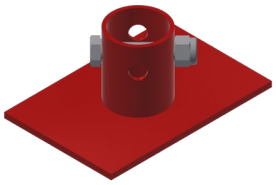
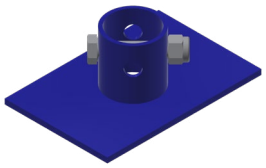
1 Standard x4
2 Central standard x2
3 Metrix Ledger of 1.5m x7
4 Handrail x4
5 Remote captive base jacks x5
6 Stair string x4
7 Step number 1 x4
8 Step number 2 x4
9 Step number 3 x4
10 Starting step At least 1 per stair (Starting step X1)
11 Upper guardrail x1

Elements

Prod. ref.	Weight (Kg)	Characteristics	Elements
338-0240A	350	**STANDARD MODULE 2.4M** **Dimensions :** 150 x 150 cm Includes all the elements necessary for the realization of a 2.4m high ESCAPLUS module. (Also includes the landing step and the upper guardrail). See the nomenclature on the left for the composition.	
338-C240A	13.5	**STANDARDS** (X4 PER MODULE) **Dimension :** 240 cm **Tube** : 048.3 x 3.2 mm **Rosettes** : welded every 60 cm Lifting lug attached to the standard for crane lifting. Removable sleeve for the transmission of tensile forces during lifting	
338-C400A	5.5	**CENTRAL STANDARD** (X2 PER MODULE) **Dimension :** 120 cm **Tube** : 048.3 x 2.9 mm Plates welded every 20cm for the fixation of the steps	
338-C420A	5.4	**METRIX LEDGER** (X7 PER MODULE) **Dimension :** 150 cm **Tube** : 048.3 x 3.2mm Wedge ends welded at each end.	
338-C550A	12.8	**HANDRAIL** (X4 PER MODULE) **Dimension :** 150 cm Insure the safety of the users. Wedges ends welded at each end The handrail is 1m from the top of the steps	

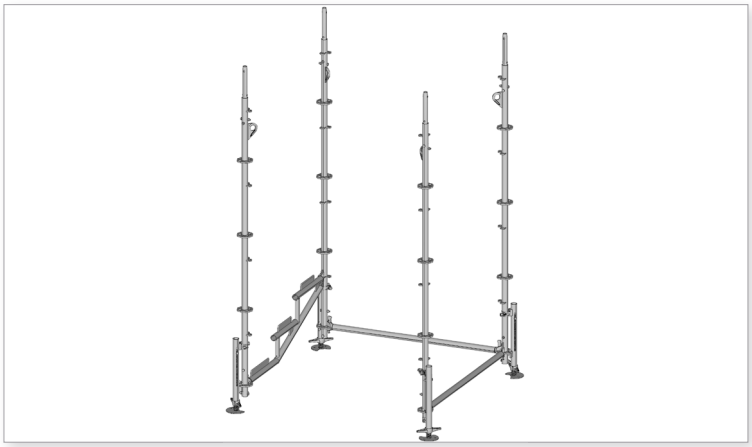
Prod. ref.	Weight (Kg)	Characteristics	Elements
338-C405A	6.8	**REMOTE CAPTIVE BASE JACKS** **(X5 PER MODULE)** **Dimension :** 20 cm The remote base allows the modules to be stacked. The positioning is ensured by the claw and the tightening by the integral collar. The cut-out of the base allows the posts to be guided when the modules are stacked.	
338-C520A	9.5	**STAIR STRING** **(X4 PER MODULE)** **Dimension :** 150 cm Wedges ends welded at each end Allow the steps to be fixed.	
338-C101A	11.3	**STEP NUMBER 1** **(X4 PER MODULE)** Identification by a hole drilled in the steel plates Mounting by two keyed heads on the central standard and a hook on the stair string	
338-C102A	10.2	**STEP NUMBER 2** **(X4 PER MODULE)** Identification by 2 holes drilled in the steel plates Mounting by a keyed head on the central standard and two hooks on the stair string	
338-C103A	9.5	**STEP NUMBER 3** **(X4 PER MODULE)** Identification by 3 holes drilled in the steel plates Mounting by a keyed head on the central standard and two hooks on the stair string	
338-C110A	11.0	**LANDING STEP** Allow the staircase to be closed. Placed, and mounted by a keyed head on the central standard and a hook on the stair string.	

Prod. ref.	Weight (Kg)	Characteristics	Elements
338-C560A	13.0	**UPPER GUARDAIL** **Dimension :** 100 cm The upper railing closes the staircase. It is placed from the center of the staircase to a corner and this at any level. It prevents access to the upper levels.	
338-C604 338-C611	2.0 3.9	**TYING TUBE Ø48.3** **Base dimensions :** 40 cm **Base dimensions :** 110 cm Galvanized steel. Angled hook for Ø16mm ring. Fixed on standards with right angle fittings	
338-C620 338-C621	1.1 1.2	**HALF-FITTING** Fitting for Ø48.3mm tubes. Hot-dip galvanizing. Swivel fitting. Right angle fitting	 Right angle fitting  Swivel fitting
152-0149 152-0249	1.1 1.2	**FITTING** Fitting for Ø48.3mm tubes. Hot-dip galvanizing. Swivel fitting. Right angle fitting	 Right angle fitting  Swivel fitting
338-9001A	194.0	**STORAGE FRAME** **Dimension :** 280 x 100 cm Allows the storage of a complete current module as well as the landing step, the upper railing, the wedges and 2 anchors. The parts are fixed inside without any material and are accessible in the order of assembly. Galvanized steel. Lifting by crane. Moving by pallet truck and forklift.	
-	36.0	**DISMOUNTABLE FRAME FOR STRUCTURE** **Dimension :** 138 X 96 cm Allows a complete ESCAPLUS module to be stored. Galvanized steel. Designed for crane lifting or handling with a forklift.	

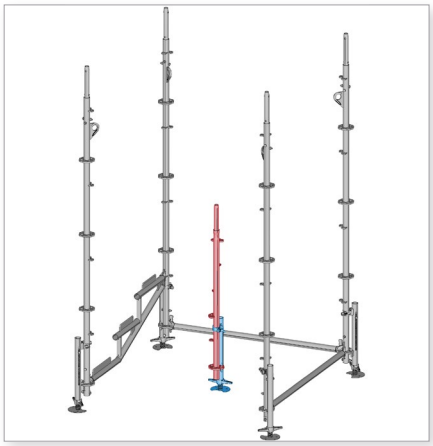
Prod. ref.	Weight (Kg)	Characteristics	Elements
SUSPENSION ACCESSORIES			
338-C810A	50	ESCAPLUS CROSSBEAM 2.30 M	
338-C815A	0.9	ESCAPLUS UPPER BASE PLATE / RED	
338-C820A	0.8	ESCAPLUS LOWER BASE PLATE / BLUE	
338-C825A	6.5	ADJUSTABLE ESCAPLUS SUPPORT LEG	
338-C830A	28.5	ESCAPLUS UPN 100 SUPPORT BEAM	
338-C650A	1.6	0.5 M COUPLING SLEEVE	

ASSEMBLY INSTRUCTION

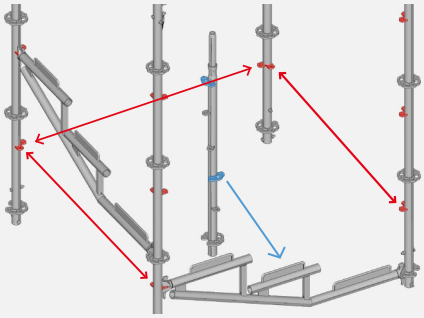
Standard module assembly



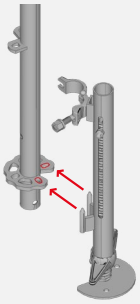
1 Realization of the square base of 1.5m by 1.5m with the standards, 2 Metrix Ledger of 1.5m, 1 stair string and 4 Remote captive base jacks.
Position the remote captive base jacks in the standard by pinning the claws inside de rosette then couple the remote captive base jacks to the standard using the collar.



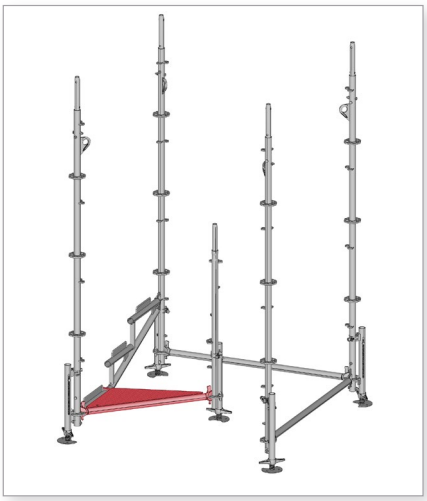
2 Setting up a remote captive base jack on the central standard.



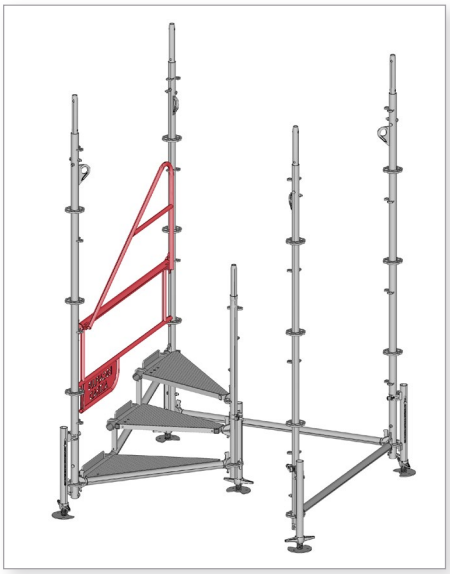
The outer standards plates (in RED) face each other in order to form a square. The quarter rosettes (Blue) of the central standard are facing the stair string.



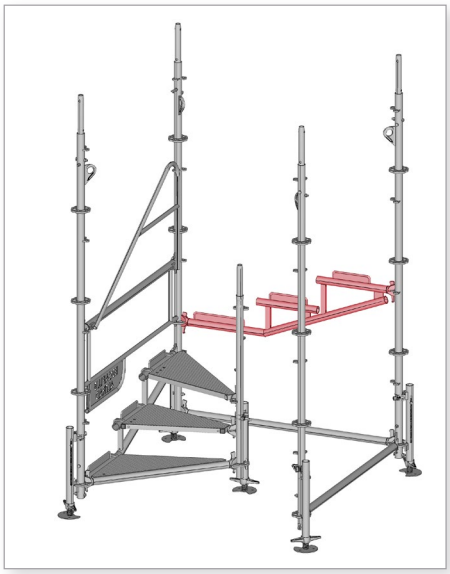
Assembly of the remote captive base jacks



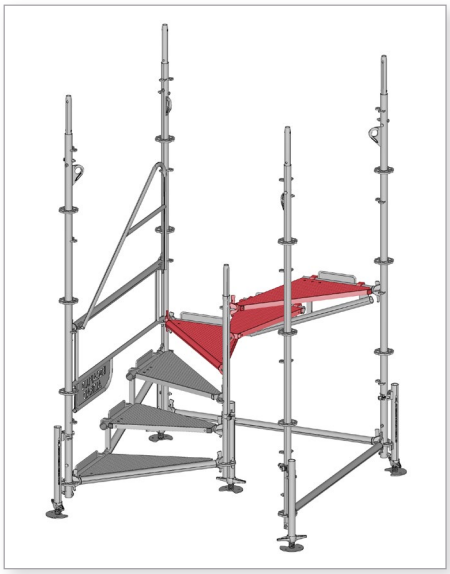
3 **4** **5** Set the steps. The first step is identified by a hole drilled in the steel plates. The second with two holes and the third one with three.
Check the level and adjust it if needed using the base jacks.



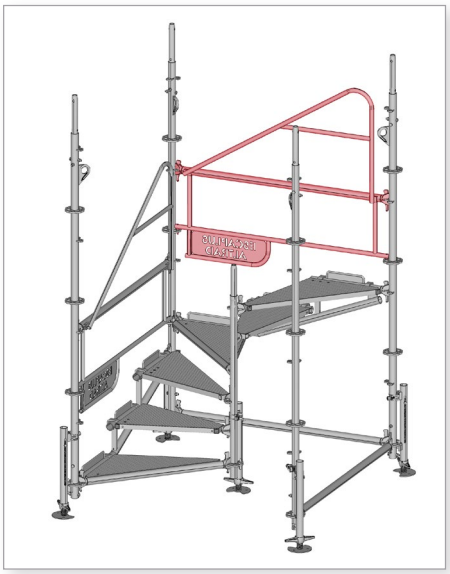
6 Set the handrail. Pin the lower claws then the wedge ends.



7 Set the second stair string.



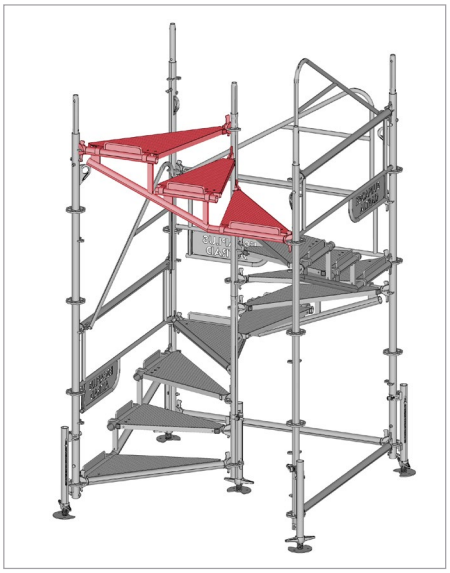
8 Set the 3 steps, (See steps 3 4 and 5).



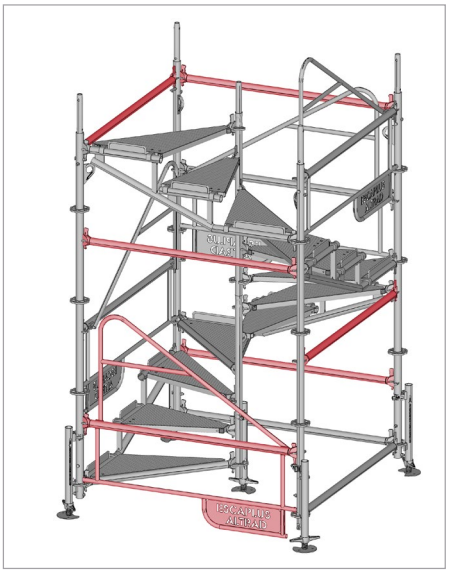
9 Set the handrail. Pin the lower claws then the wedge ends..

10 Add a central standard. Remember to rotate it in order to have the quarter rosettes facing the stair string.

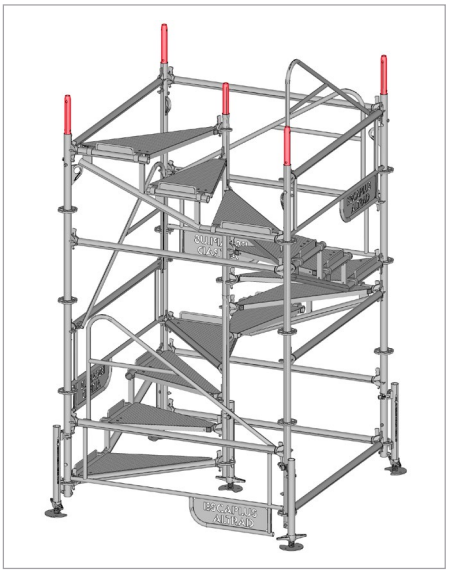
11 Repeat the erection of the stair string, the Metrix Ledger, the 3 steps and the handrail



12 Installation of the last star string and the last three steps.



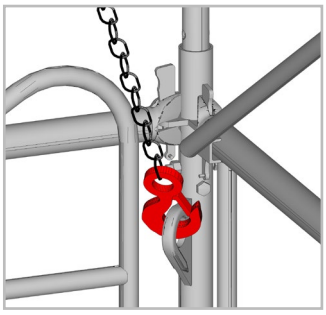
13 Install a handrail at 0m level, as well as 1.5m rails.

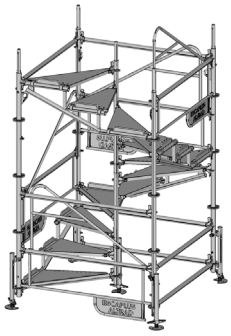


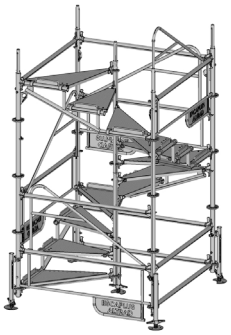
14 Check the bolts on the removable sleeves on top of the four posts for tightness.

Lifting & stacking

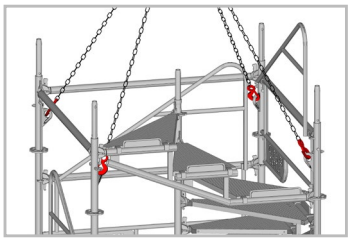
1 The ESCAPLUS modules are erected on the ground side by side

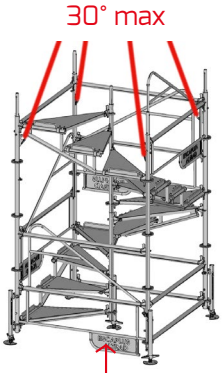


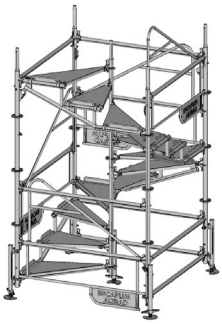


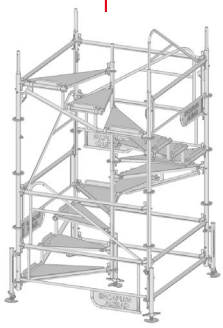


2 Lifting of a module. **For craning operations, it is important to lift a maximum of 10 modules on top of each other.** Furthermore, before removing the slings, the operator must ensure that the lashings are installed.

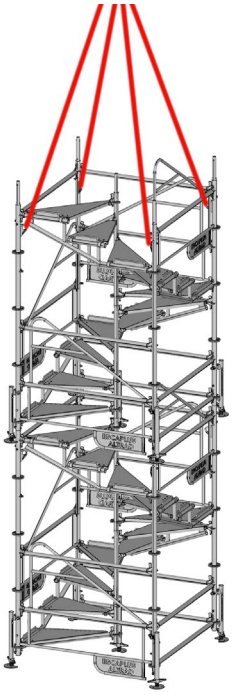


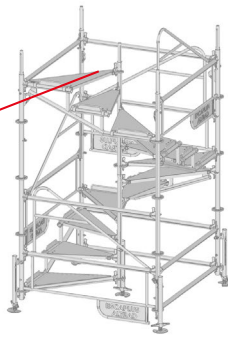


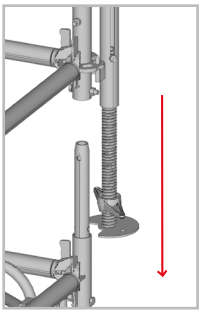




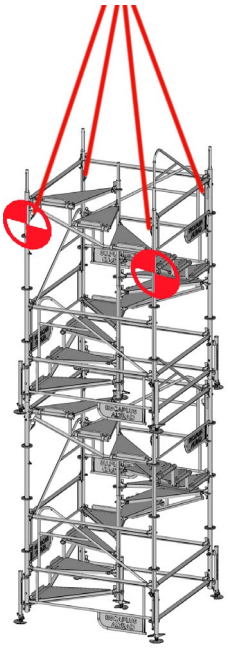
3 Stack the module on top of each other using the remote captive base jack as a guide during the decent. Then bolt the standards together.



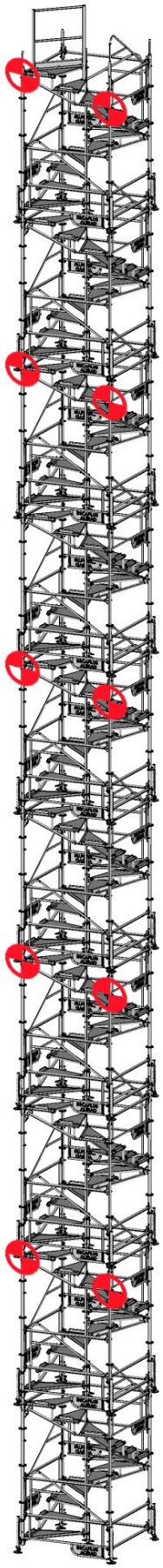




4 **Tie the tower before removing the lifting gear.**



Tying



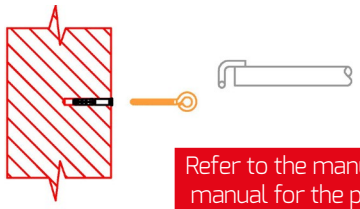
REMINDER : The ties mustn't be dismantled during the utilisation of the staircase.

The tower should be tied before removing the lifting gear.

In the absence of a tying notice, the number and placement of the ties should be as follow.

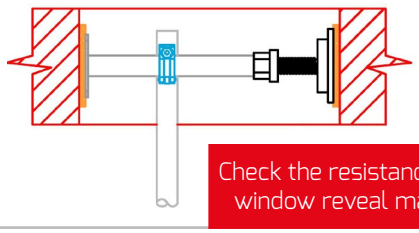
For a height less than or equal to 9.6m, the structure must be tied at the head
For a height less than or equal to 24m, the structure must be tied on each row of standards and this every 4.8m.
If these provisions are impossible to comply with, please contact our design office.

Tying using a tying ring with a tail



Refer to the manufacturer's manual for the permissible loads on the dowel.

Tying on a window reveal. Using a Tying jacks



Check the resistance of the window reveal masonry

Tying on a steel section. Using fittings. for IPN beams.

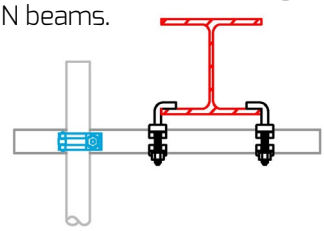
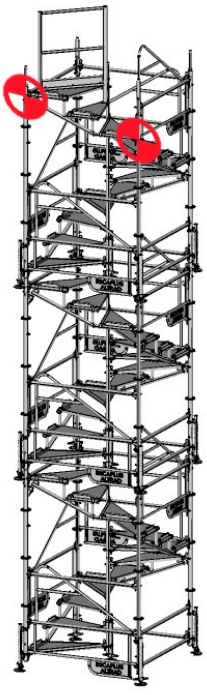


Photo A : 152-0149

Photo B : 152-0249

Photo C : 338-C623



Permissible loads per clamp :

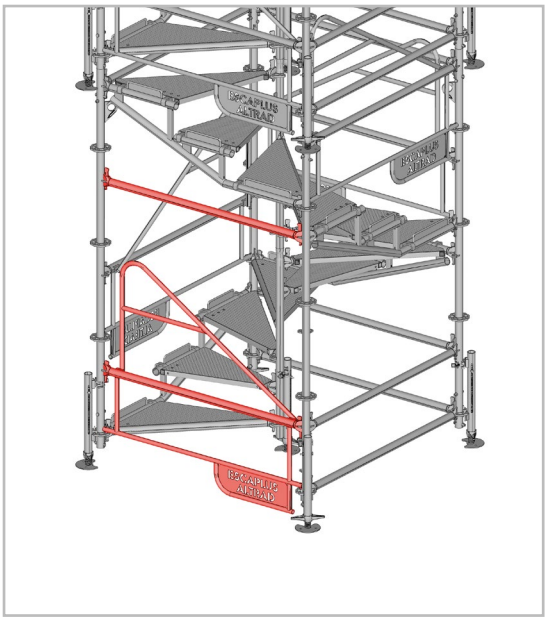
Designation	Photo	Ref.	Classe	Permissible load
Right angle fitting	A	152-0149	BB	900 daN
Swivel fitting	B	152-0249	A	900 daN
Tying fitting for beam	C	338-C623	B	1600daN

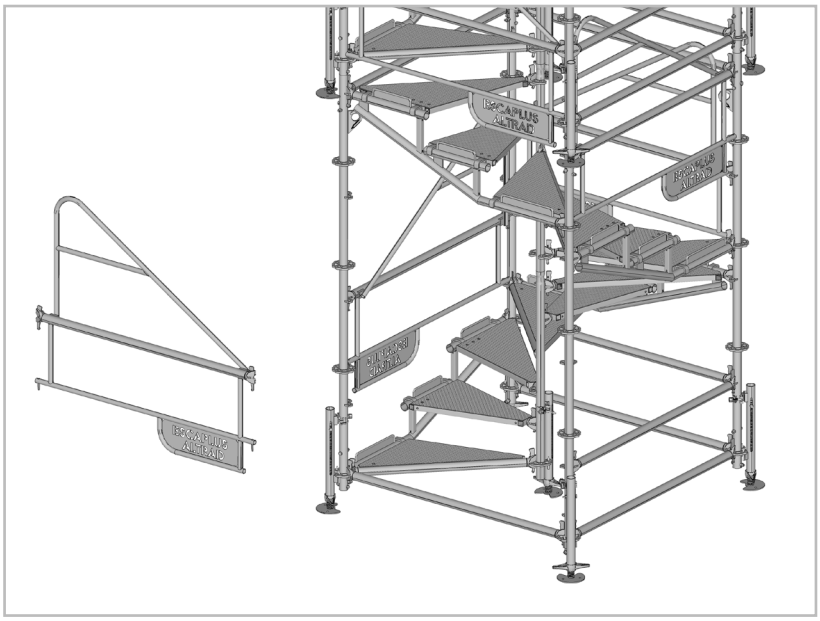
*The characteristic value is the maximum load with safety factor. *: indicative value for users.*

Calculation assumptions

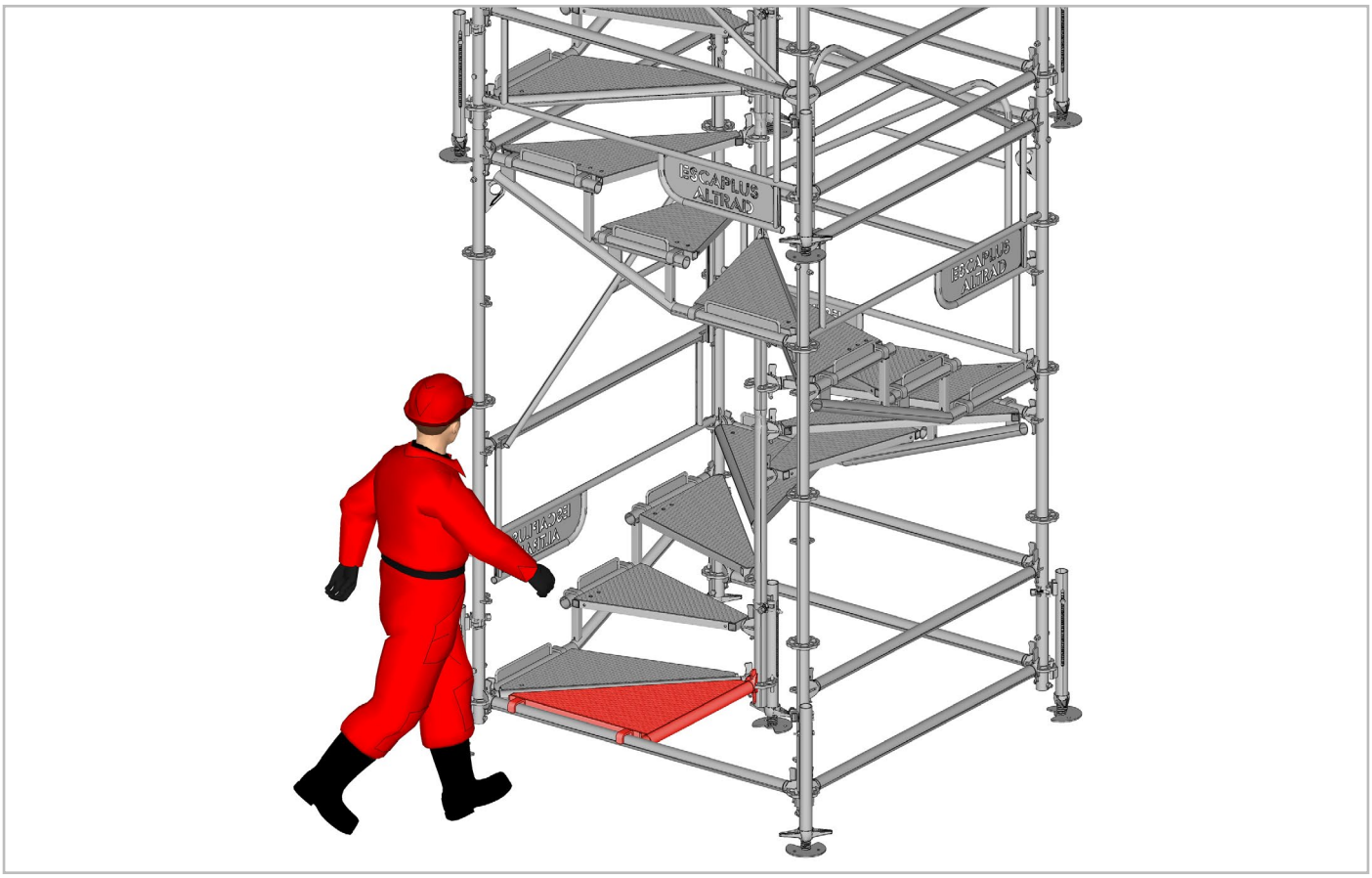
- 10 standard modules (for the 24m high version)
- 4 standard modules (for the 9.6m high version)
- Overload: According to NP93-521 standards
- Wind zone: 2
- Not covered

Entry





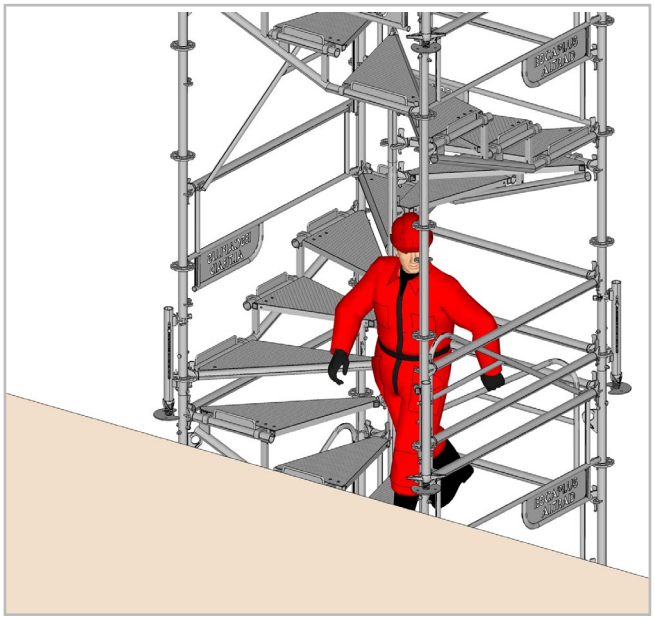
In order to create an access into the ESCAPLUS tower once it's positioned and tied, the handrail must be removed. And lower the METRIX ledge from the top the base level. As shown above.
Then set the starting step in order to have a proper landing.
All removed parts must be re-erected before re-handling the ESCAPLUS.



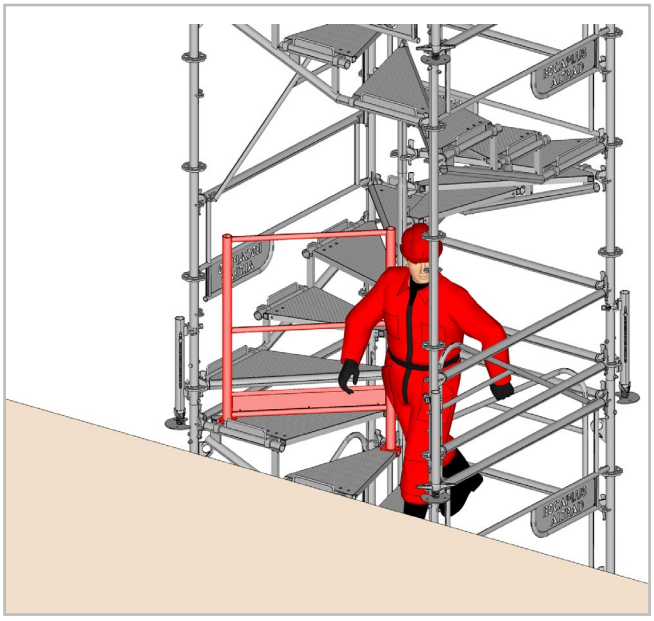
Exit

INTERMEDIARY EXIT

In order to create an intermediary exit out of the ESCAPLUS tower once it's positioned and tied, a handrail must be removed.
You can also prevent further access to the upper levels by placing an upper guardrail.
All removed parts must be re-erected before re-handling the ESCAPLUS.



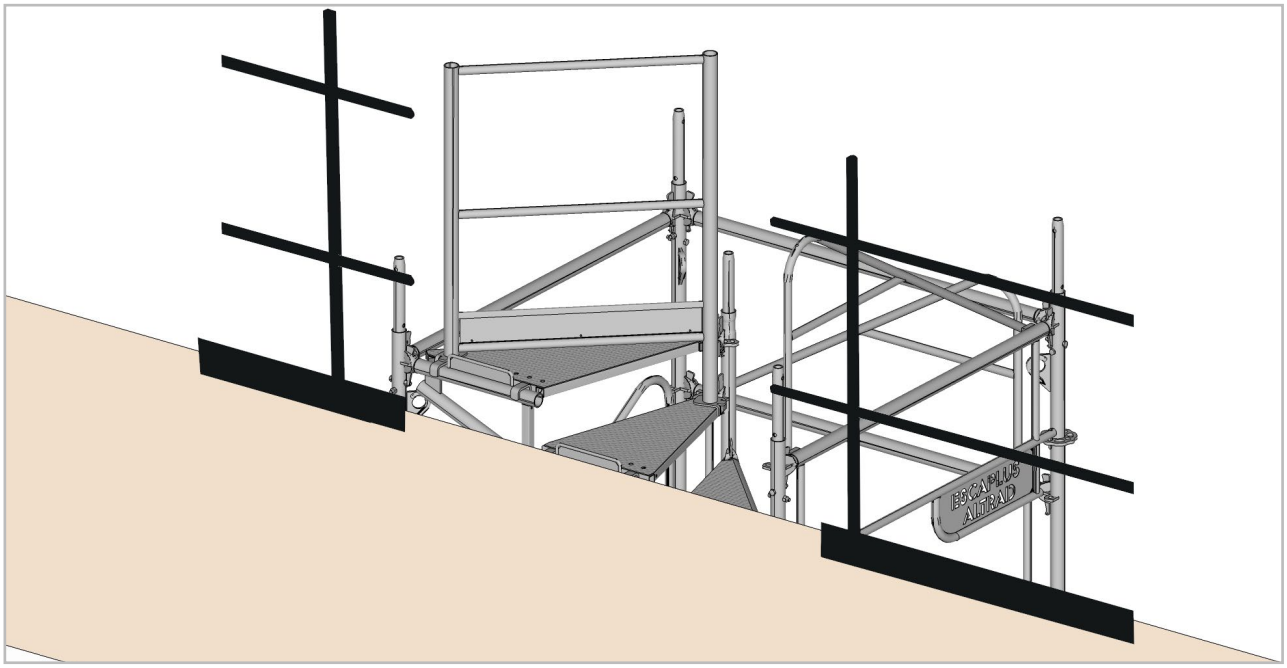
Intermediary exit with an access to the upper levels



Intermediary exit without an access to the upper levels

UPPER EXIT

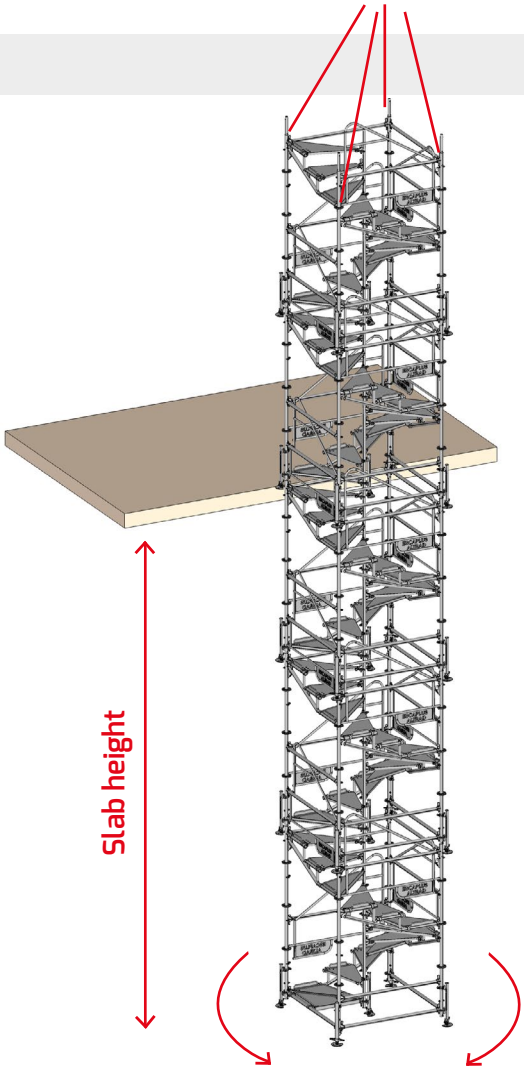
The upper guardrail allows the user to safely exit the last level of an ESCAPLUS staircase, without preventing the further stacking of an additional module.



Access according to slab height

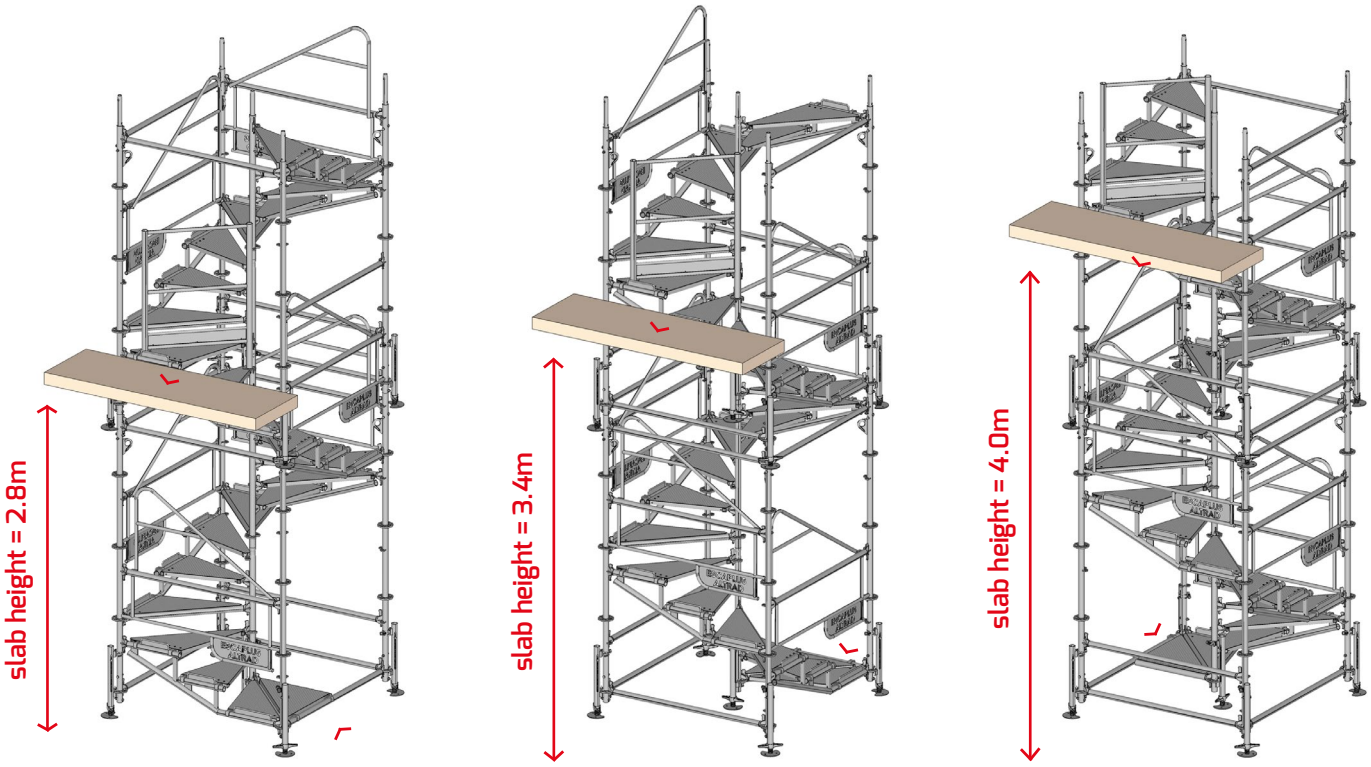
To determine the number of standard modules required to reach a certain slab height, please refer to the following table.

Slab height	Numbers of ESCAPLUS standard module
from 0.2m a 2.7m	1
from 2.6m a 5.1m	2
from 5.0m a 7.5m	3
from 7.4m a 9.9m	4
from 9.8m a 12.3m	5
from 12.2m a 14.7m	6
from 14.6m a 17.1m	7
from 17.0 m à 19.5m	8
from 19.4m a 21.9m	9
from 21.8m a 24.3m	10



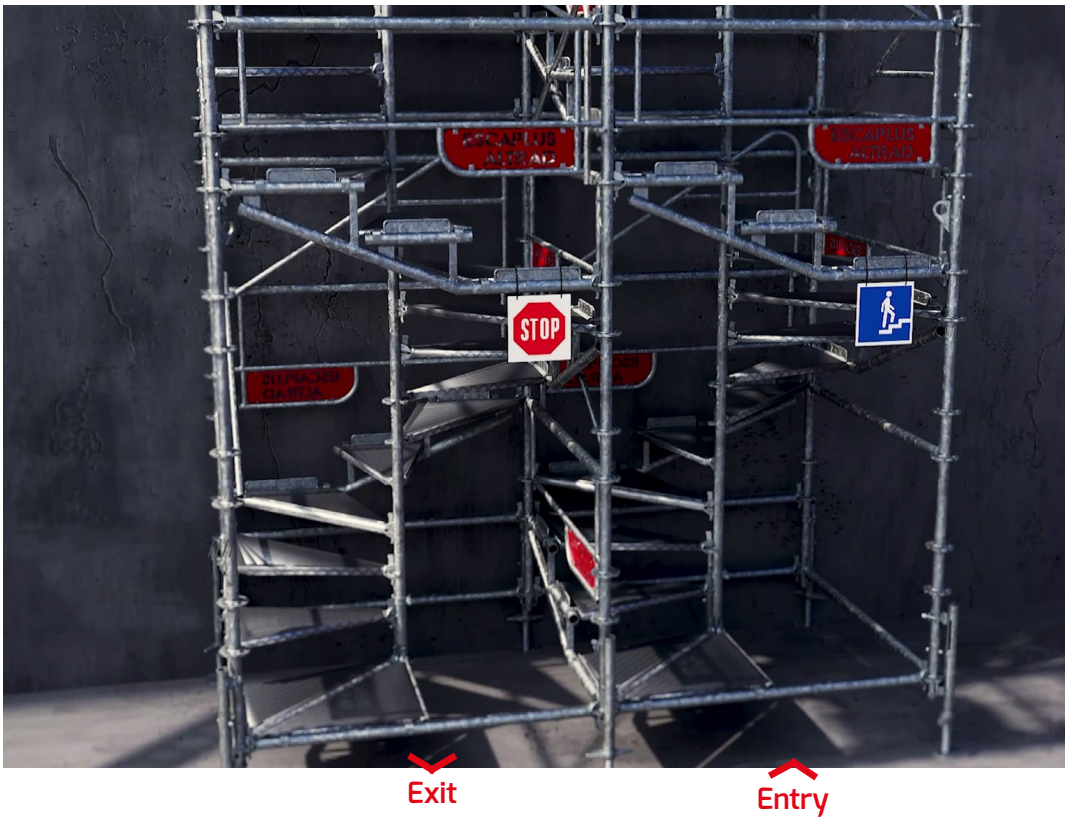
Number of modules	Exit face	Height of the slab to be served in meters		Number of modules	Exit face	Height of the slab to be served in meters	
		Minimum	Maximum			Minimum	Maximum
1	1	0.2	0.9	6	1	12.2	12.9
	2	0.8	1.5		2	12.8	13.5
	3	1.4	2.1		3	13.4	14.1
	4	2	2.7		4	14	14.7
2	1	2.6	3.3	7	1	14.6	15.3
	2	3.2	3.9		2	15.2	15.9
	3	3.8	4.5		3	15.8	16.5
	4	4.4	5.1		4	16.4	17.1
3	1	5	5.7	8	1	17	17.7
	2	5.6	6.3		2	17.6	18.3
	3	6.2	6.9		3	18.2	18.9
	4	6.8	7.5		4	18.8	19.5
4	1	7.4	8.1	9	1	19.4	20.1
	2	8	8.7		2	20	20.7
	3	8.6	9.3		3	20.6	21.3
	4	9.2	9.9		4	21.2	21.9
5	1	9.8	10.5	10	1	21.8	22.5
	2	10.4	11.1		2	22.4	23.1
	3	11	11.7		3	23	23.7
	4	11.6	12.3		4	23.6	24.3

You can orient the ESCAPLUS in 90° increments in order to always have a step in front of the slab being served. Each increments increases the level output by 0.60m.



Multi entry & exit assembled

ESCAPLUS modules can be assembled to form inlets and outlets at the same location. Multiple passage units possible.

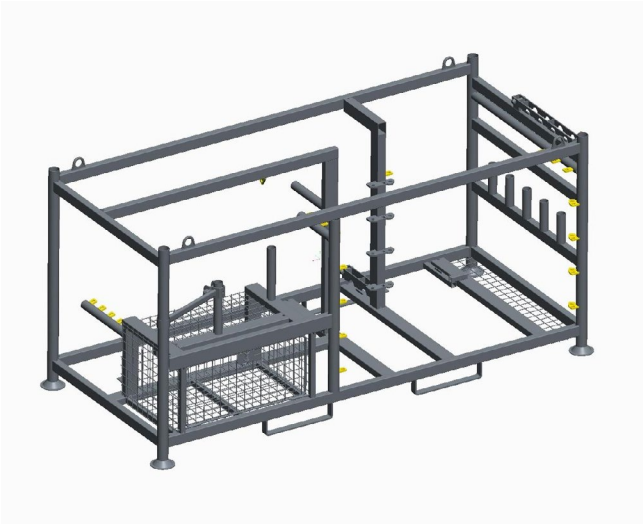



ESCAPLUS
ALTRAD

STORAGE

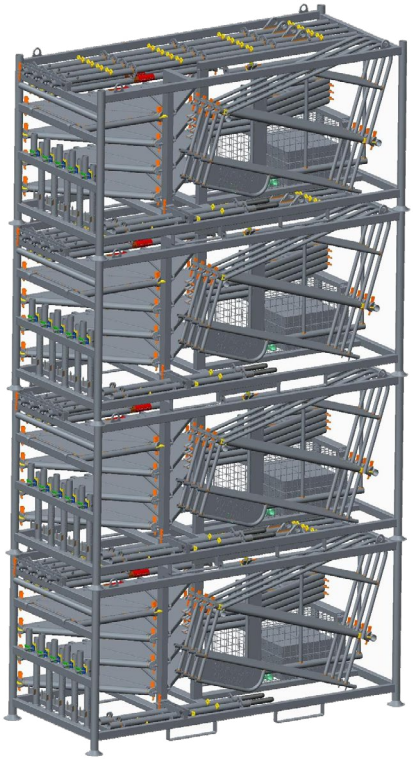
Storage

The ESCAPLUS staircase is packaged in storage frames.
The frame allows the storage of the complete module to which we add the landing step, the upper guardrail and the accessories (5 wooden wedges, 2 mooring bars and 2 collars). Moreover, it is practical for the renting, it allows to check quickly the presence of the rented parts. The parts are fixed without any material and are accessible in the order of assembly. They can be dismantled quickly. It is also equipped with approved lifting rings with an admissible load of 1T per ring.



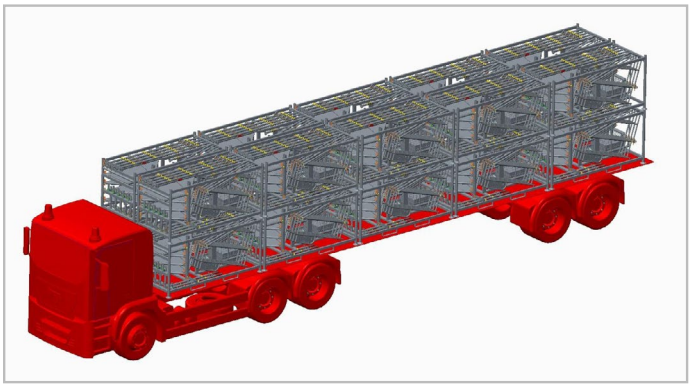
Storage in a warehouse

A maximum of 4 storage frames can be stacked on top of each other, after verification of the ground and wind exposure.



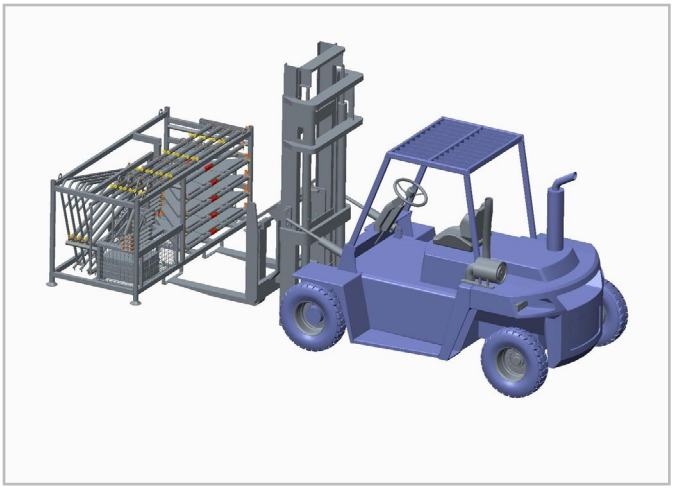
Transport

- 16 modules in a semi-trailer
- 8 modules in a standard container (40 feet).
- 16 modules in a high cube container.



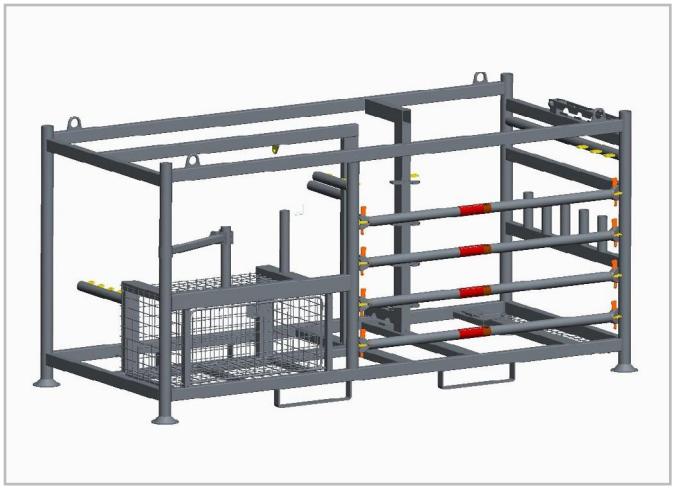
Use of the storage modules

Handling

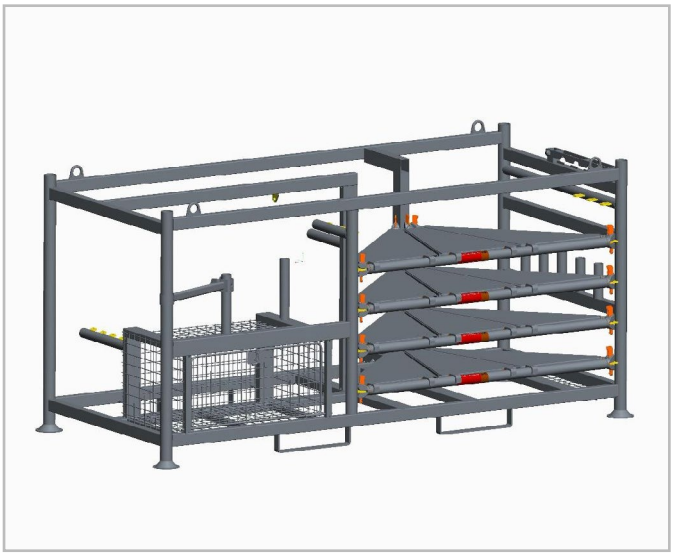


The frame can be transported by a pallet truck, it is equipped with an anti-tilt device.

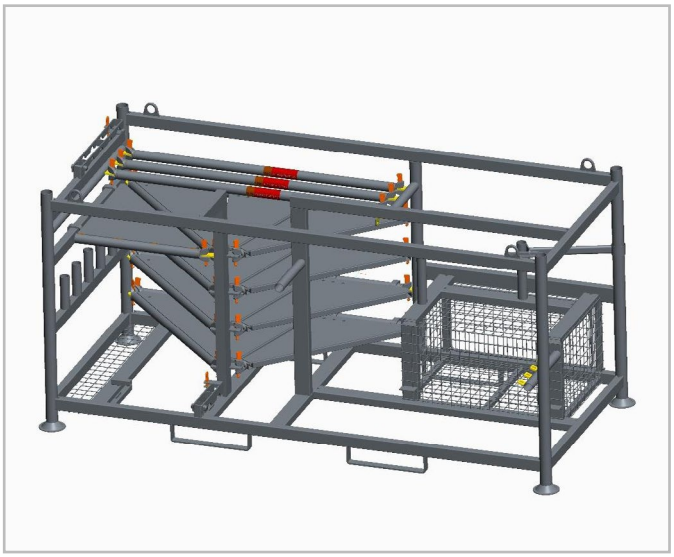
Storage of steps and rails



The first 4 rails are keyed on the fixing brackets located on the main face of the frame. The rails will be used as support for the steps.

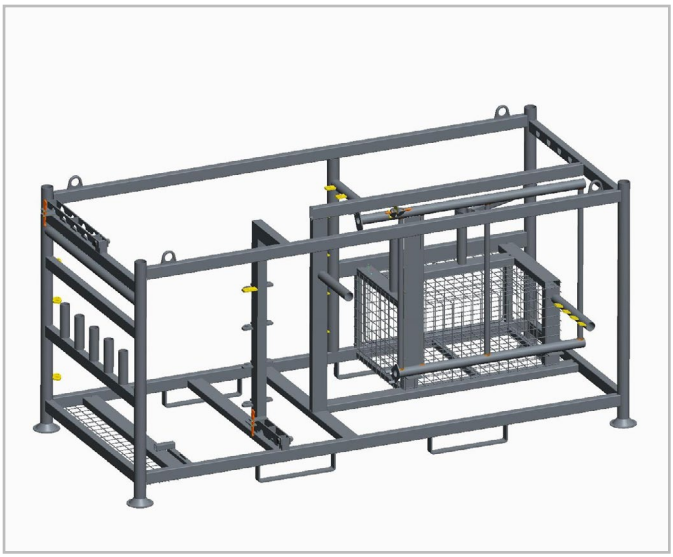


From left to right we install the steps 3, 2 and 1, which are supported on the rails and keyed on the other end at a central post.

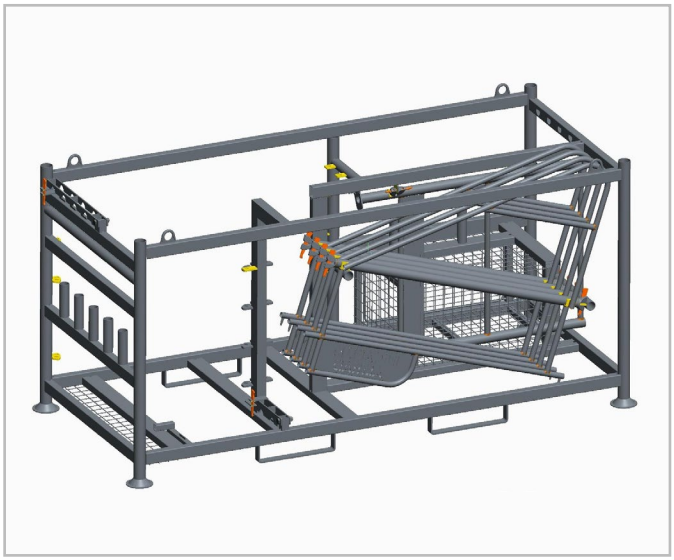


The landing step is stored in the same way, resting on a crosspiece on the side face. Finally, the last 3 rails are installed on the fixings provided for this purpose, above the last steps.

Upper railing and handrails

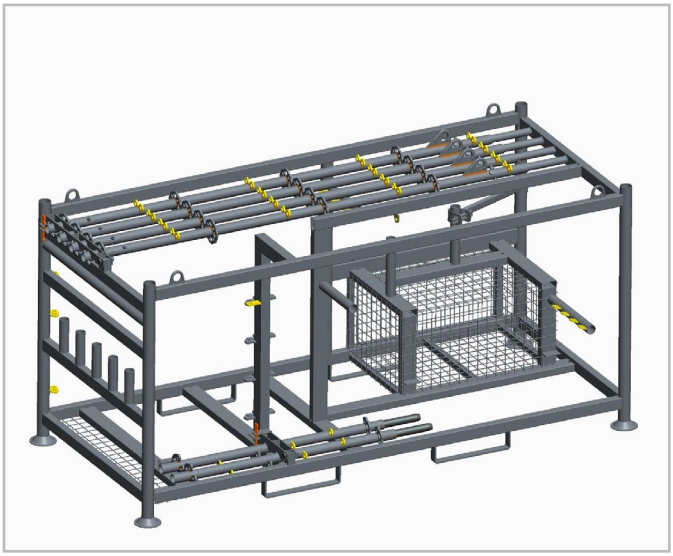


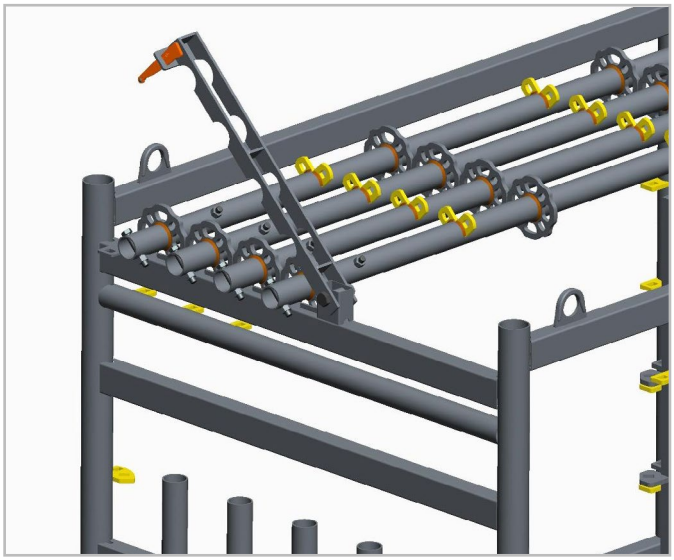
The upper GC is stored first. It is keyed to the mounting bracket, and rests on two plates.



Only then are the four handrails put away. They are keyed and rest on a tube.

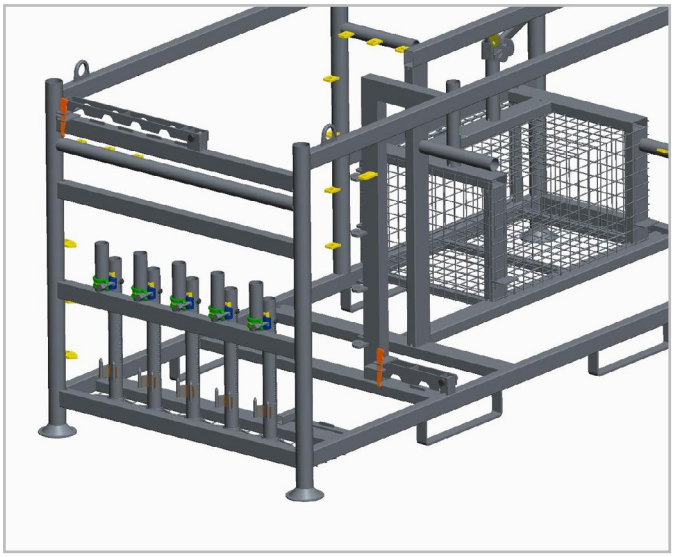
Storage of steps and rails





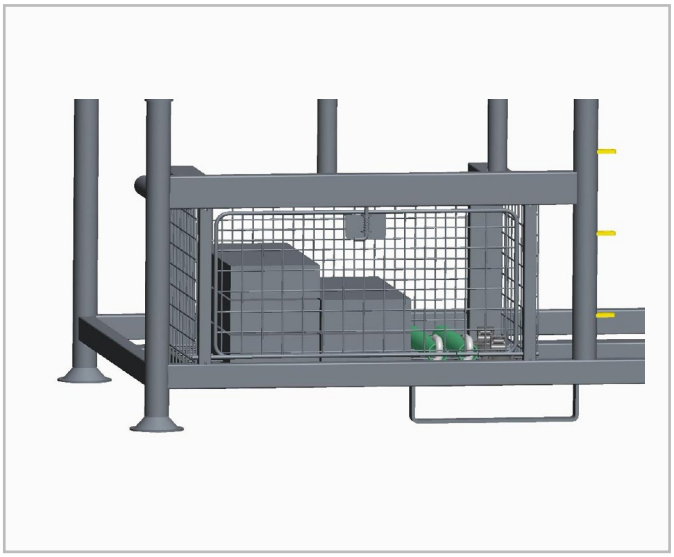
The 2.4m posts and the center posts are stored in the same way. They are locked with a swivel system, which is locked with a key.

Captive off-set bases



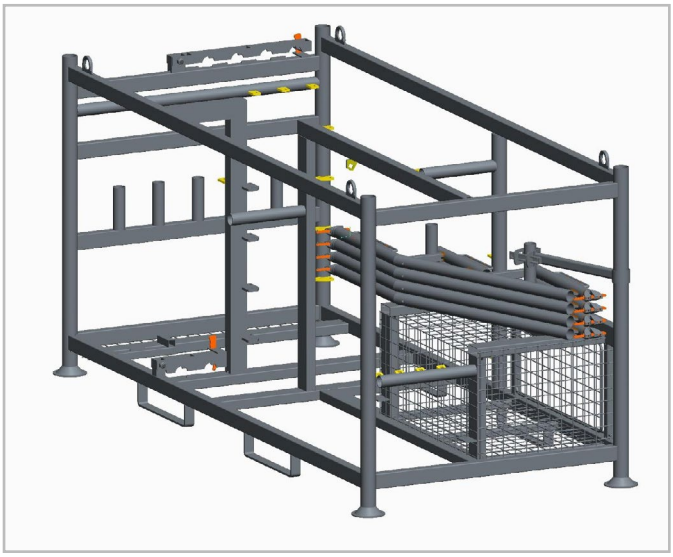
The off-set bases are self-fixing thanks to their collars that lock onto the 5 tubes welded to the frame.

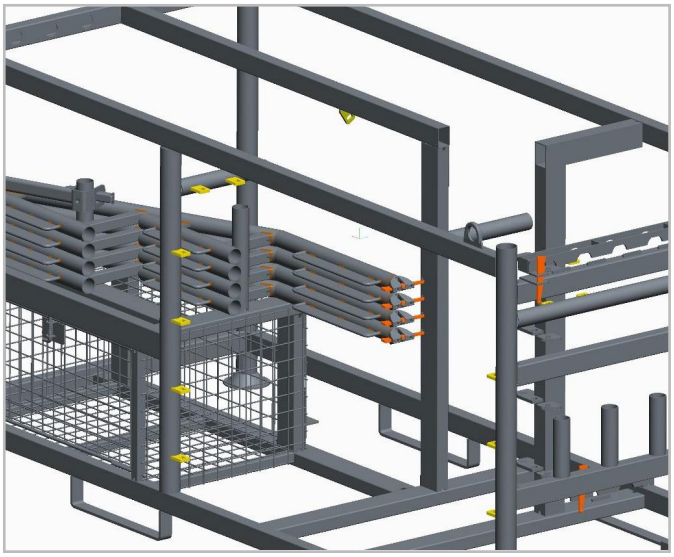
Accessories : Chocks, Mooring bars, Collars



A wire cage has been designed for the storage of accessories. It is equipped with a spring-loaded pistol lock, facilitating automatic locking.

Stair string



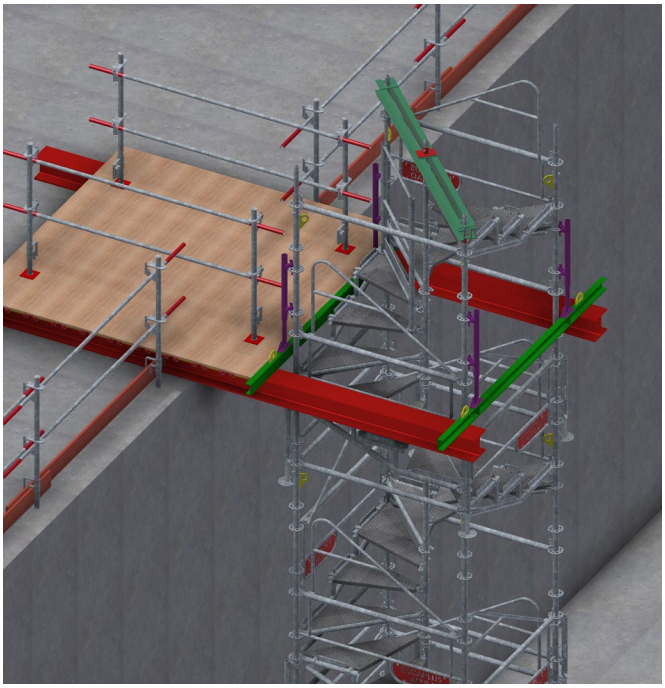


The stair string slide into the upper part of the cage. The locking of the 4 components is fast and efficient. The user will simply have to lock the key collar on the tube. This prevents any movement of the stringers.
Note: The key collar is connected to the frame corner tube and can be rotated.

SPECIFIC CASE

Suspended use

Escaplus can be used in suspended mode to adapt to your projects at the bottom of excavations or in other specific configurations. The dedicated suspension accessories allow the staircase to be supported on HEBs (customer load).
The customer is advised to create a stop at the end of the HEBs.
The UPNs must be secured to the HEBs using a clamp as shown opposite.

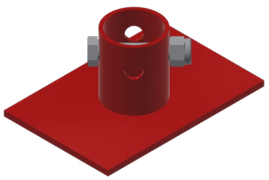


WARNING
As with lifting, the Escaplus structure is limited to 10 modules.
Access to this staircase is limited to 10 simultaneous operators.

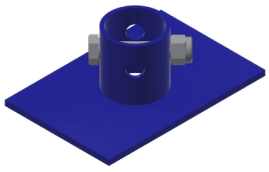
For ease of installation, we offer two methods of adding modules, one of which does not require the use of a crane.
To ensure safe and precise access, the low access level is adjustable in 20 cm increments, allowing optimum adaptation to the desired height. Designed to combine safety and performance, the Escaplus and its suspension system comply with standard NF P 93-521.

WARNING
This type of hanger is only possible with the new generation of boltable central column.

Accessories for suspended installation (page 10) :



338-C815A
Upper base plate



338-C820A
Lower base plate

338-C825
Adjustable support leg

338-C810A
Crossbeam 2.30m

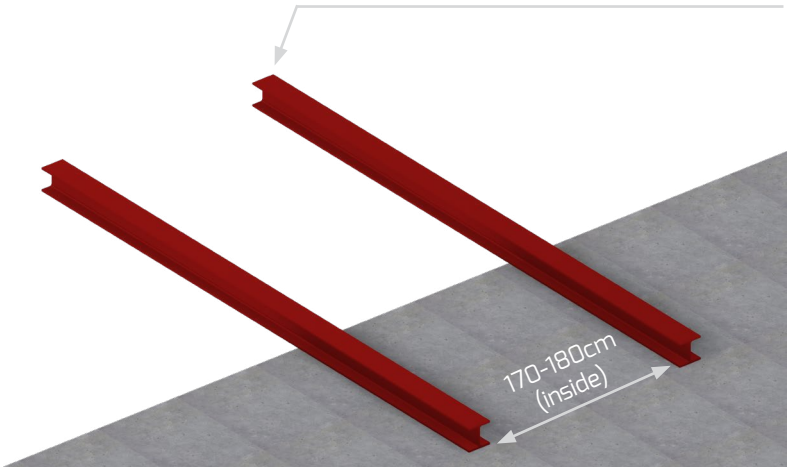
338-C830A
UPN 100 support beam

338-C650A
0.5m Coupling sleeve

Positioning of HEBs (customer load):

- Escaplus must be installed on HEBs that are cantilevered and customer-loaded.
- The HEBs must be placed between 170 and 180cm apart (bare distance).

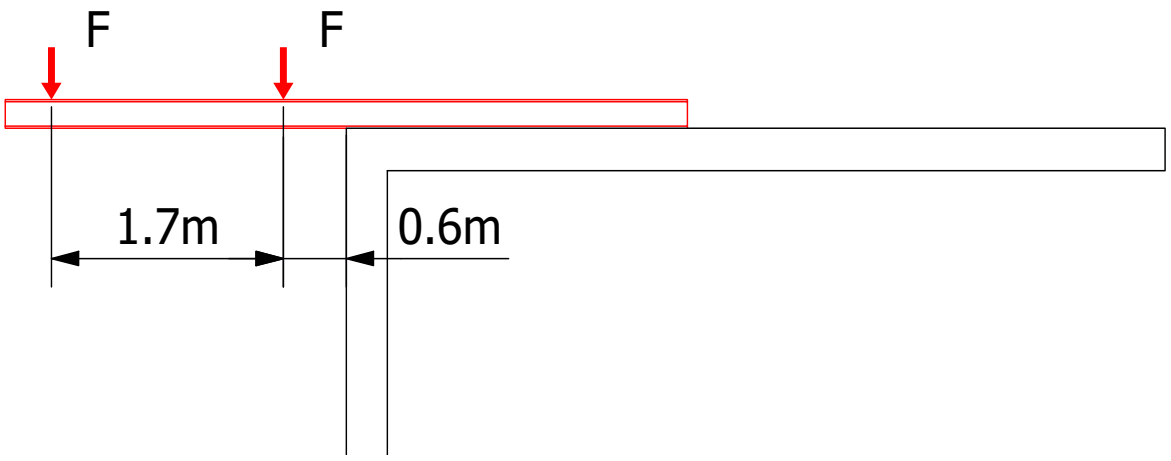
Users are advised to make a stop at the end of their HEB.



Weighted loads for HEB sizing	
Number of suspended modules (u)	**Load F (daN)**
1	675
2	815
3	965
4	1110
5	1260
6	1410
7	1560
8	1705
9	1855
10	2000

** Weighting of 1.5*

Loads applied to the HEB :

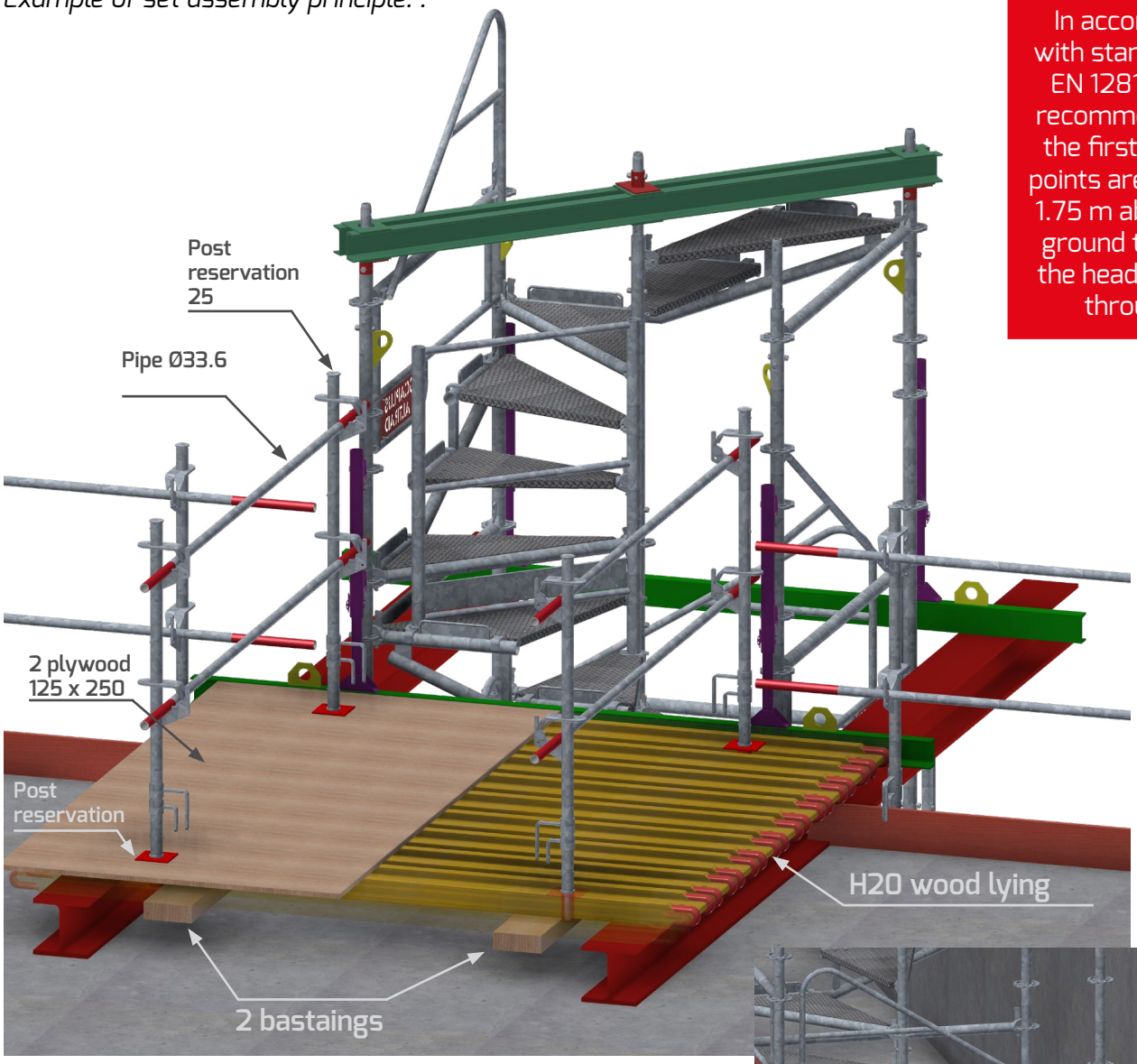


HIGH ACCESS DECKING SOLUTION

The access platform must be in place before the Escaplus arrives.

Once the platform has been assembled, place it on the HEBs using flexible slings. Then slide it to its final position, **60 cm above the void**.

Example of set assembly principle: :



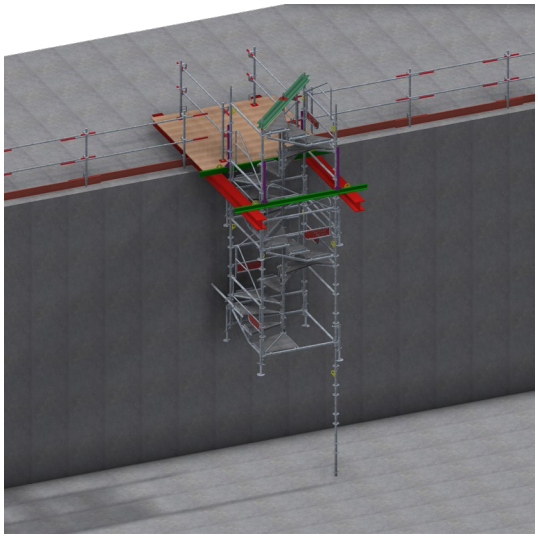
WARNING
In accordance with standard NF EN 12811-1, we recommend that the first anchor points are at least 1.75 m above the ground to allow the head to pass through.

What's more, if side 1 is exposed to the wall, having the pltform 60cm into the void gives us 70cm of clearance at the bottom.

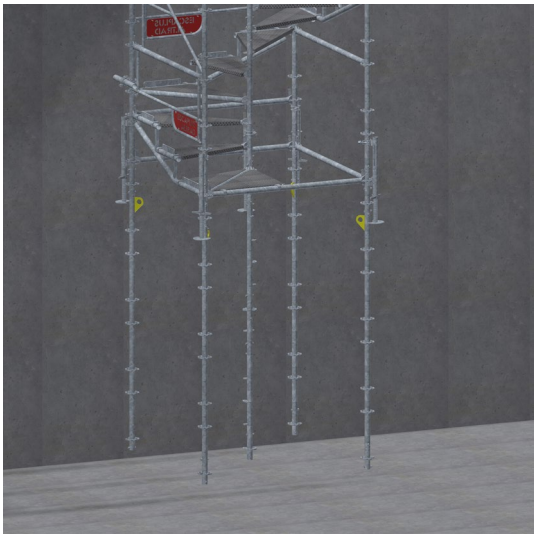
THE 2 METHODS FOR ADDING MODULES :

METHOD 1 The first method consists, once suspended, of adding Escaplus modules element by element from the bottom. For this solution, the crossbeam is positioned at the top of the staircase (light green elements in the image below).
For this method, the components used by Escaplus suspendu are as follows :

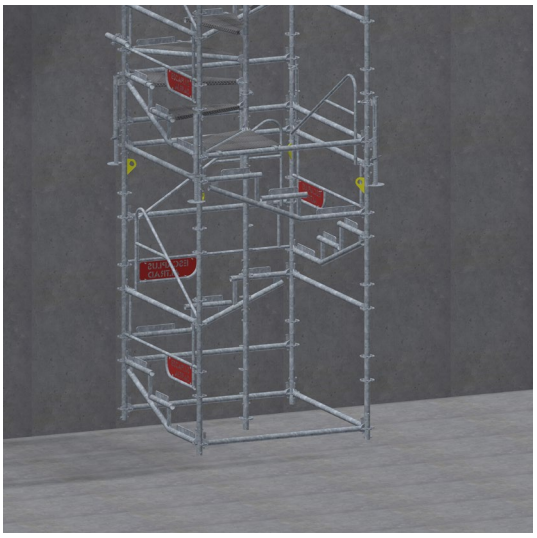
- 1 crossbeam
- 3 upper base plate
- 4 adjustable support leg
- 2 UPN 100 support beam



1 After clearing under the staircase, start installing the lower module elements directly from below. In this case we are close to the ground but you need a clearance height of at least 2.70m to insert the standards.
Use a high means of access for safe bolting.



2 *Finish installing all the vertical elements: standards and central standards.*



3 Continue assembly from the bottom up using traditional assembly techniques (horizontal elements, then steps).

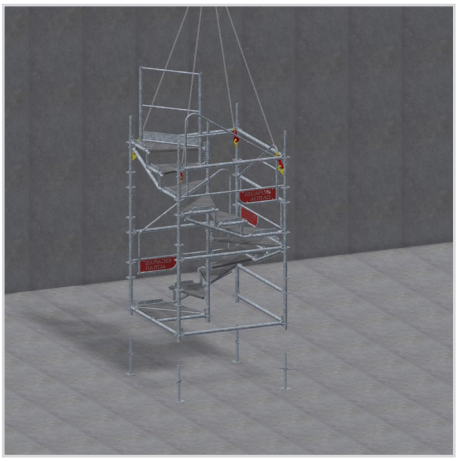
METHOD 2 The second method consists, once suspended, in adding Escaplus modules already assembled from the top before lowering the whole structure back down to the top access level.
For this method, the useful components per suspended Escaplus are as follows:

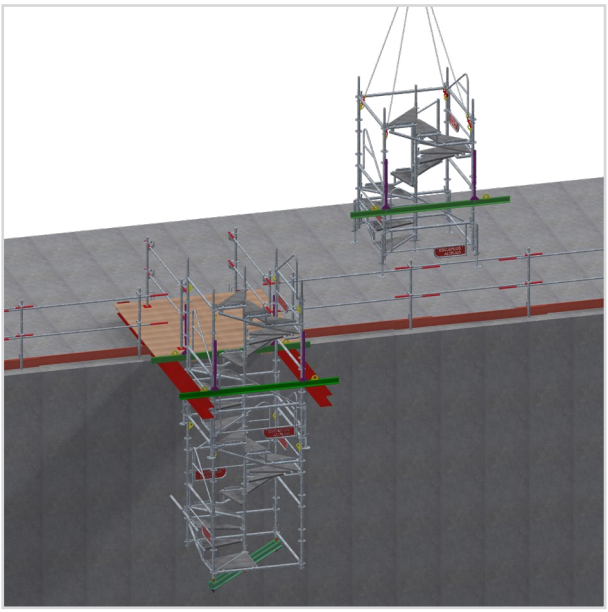
- 1 crossbeam
- 3 lower base plate
- 3 coupling sleeve (of standards or new central standards)
- 6 adjustable support leg
- 3 UPN 100 support beam

1 In this configuration, the crossbea must be at the bottom of the Escaplus (see 1st image). To do this, you need to:

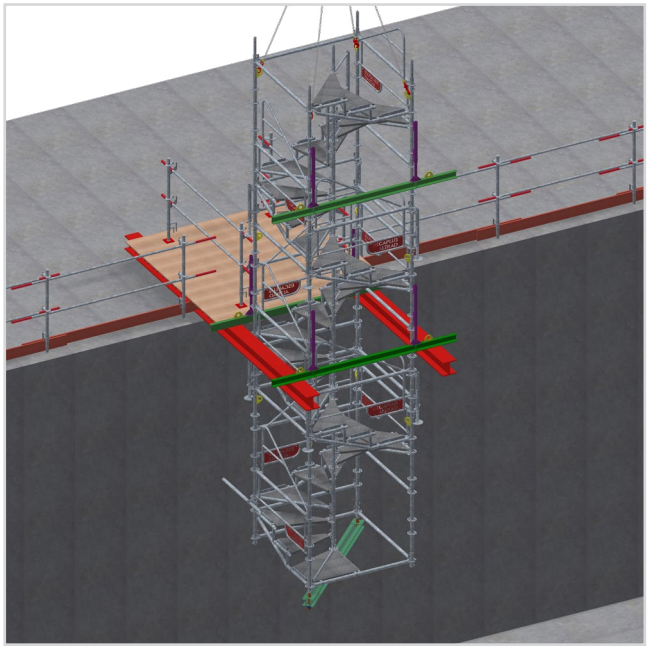
- Either install the lower module directly on the base jacks only, which will remain on the ground when lifted (see 2nd image).
- Or mount the lower module using the offset bases, which will have to be removed when the unit is lifted.

Once the module is suspended about 50 cm and the bottom of the uprights are clear, fit the crossbeam:
1 - Bolt the sleeves to the staircase.
2 - Slide the crossbeam into the sleeves with a lower base plate in the centre.
3 - Bolt the other 2 bottom base plates to the opposite sleeves under the crossbeam.

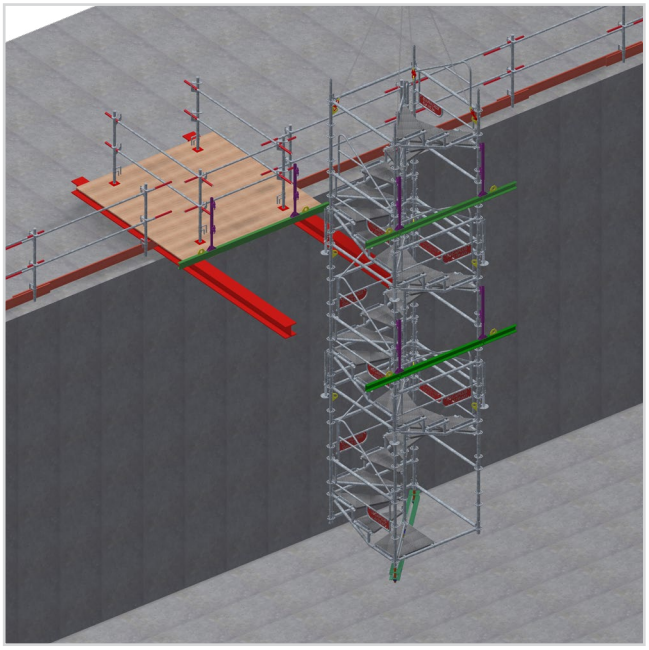




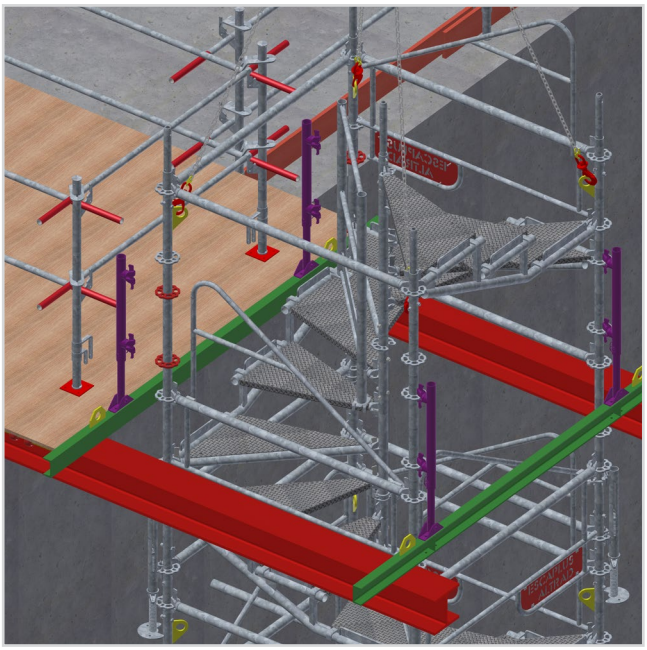
2 Bring in the additional access module fitted with adjustable support leg and UPN support beam for overlaying (**external side only**). The module must be configured according to the side that will be used as the opening (see the relevant operating instructions on the following pages).



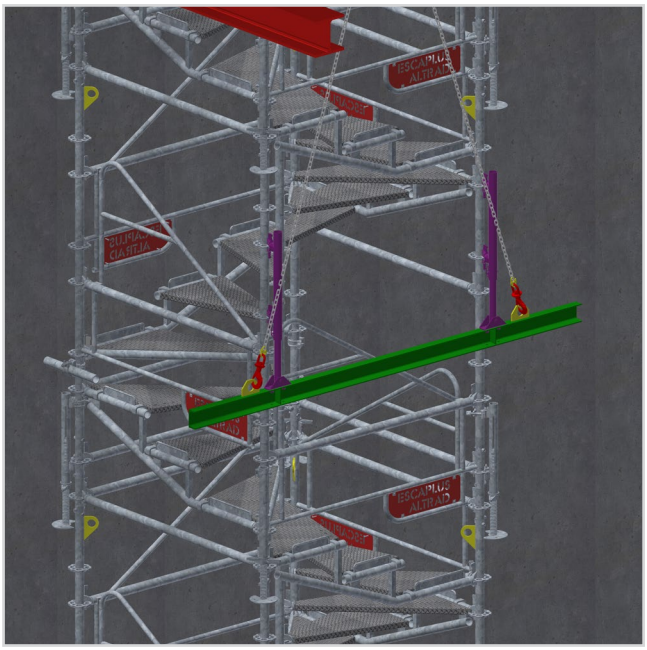
3 The operator must get into the Escaplus to bolt the two modules together and remove the anchors. The adjustable support leg on the inside must be disengaged and the UPN vs HEB clamps removed on the outside.



4 Lower the assembly until the new UPN rests on the HEBs.



5 Slide the staircase until the rosettes engage in the keyed heads of the clamped assembly on the HEB (legs + UPN).
Then refit the anchors and remove the pins.



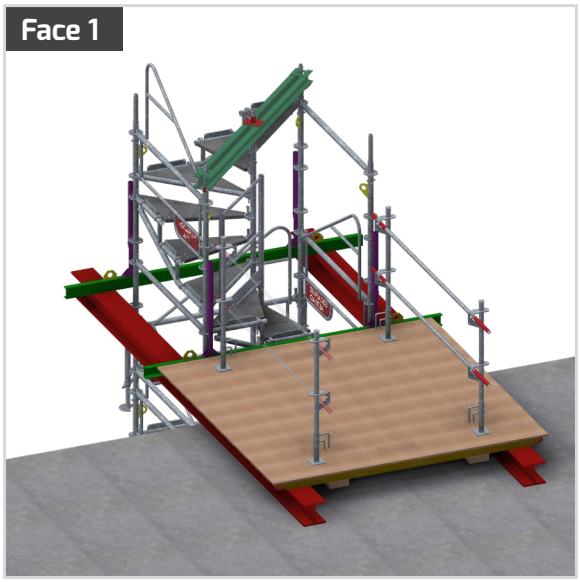
6 From inside the staircase, hook the UPN into the lifting points and remove it using the crane.

It is important to set the top access module correctly in order to manage the bottom access level.

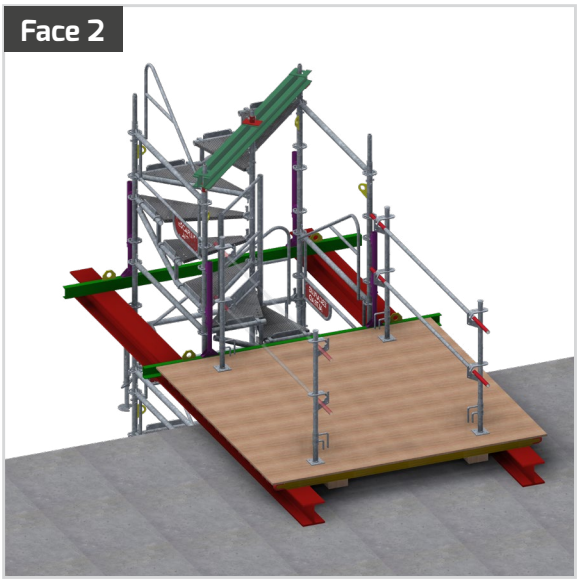
You will find below a table showing the faces to be placed on the wall side with the foot adjustments to achieve the desired heights.

Definition of faces and adjustment of support feet :

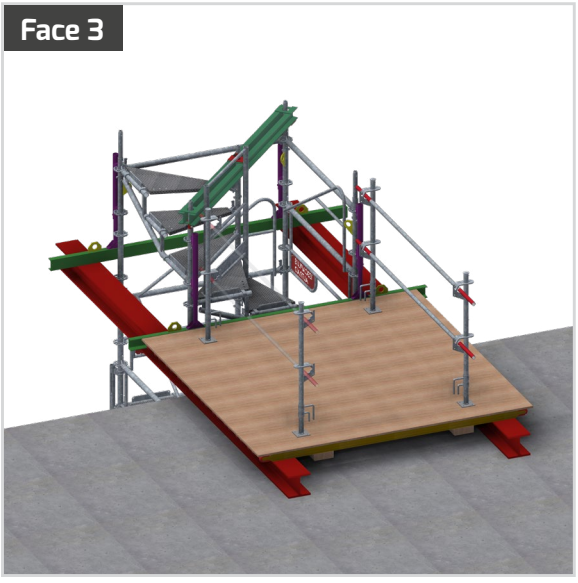
Face 1



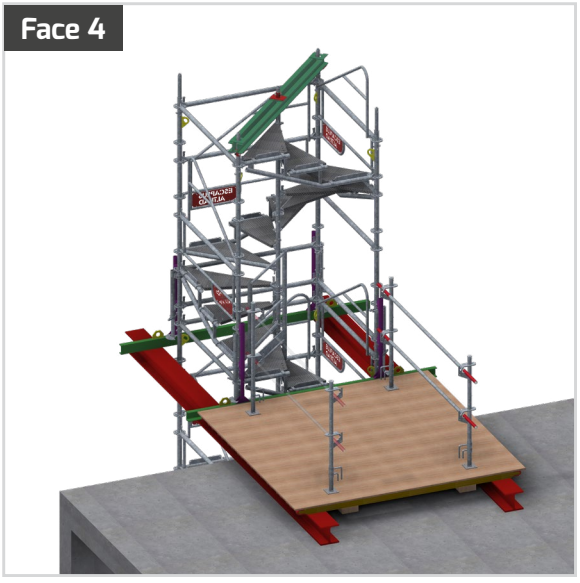
Face 2



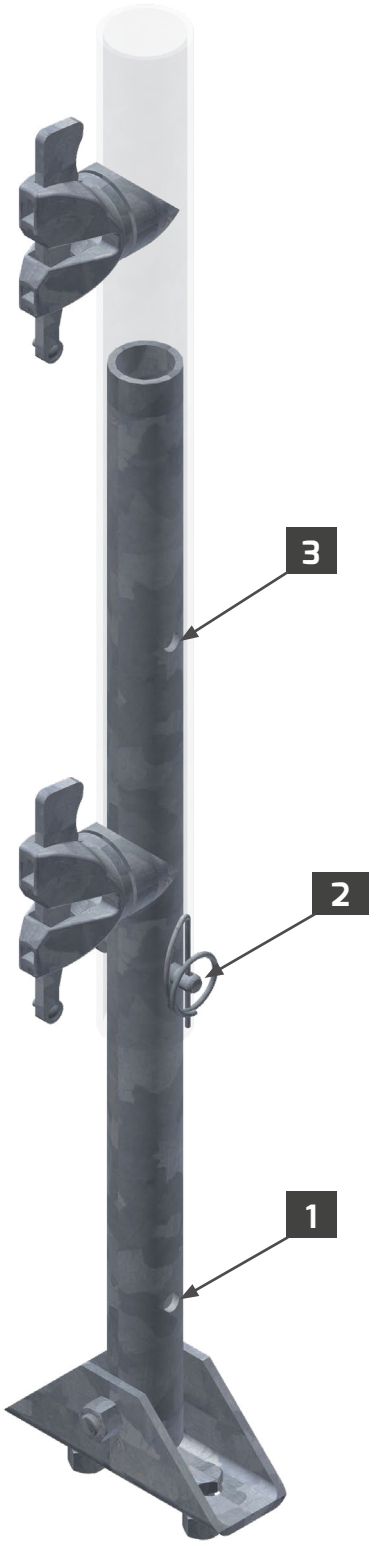
Face 3



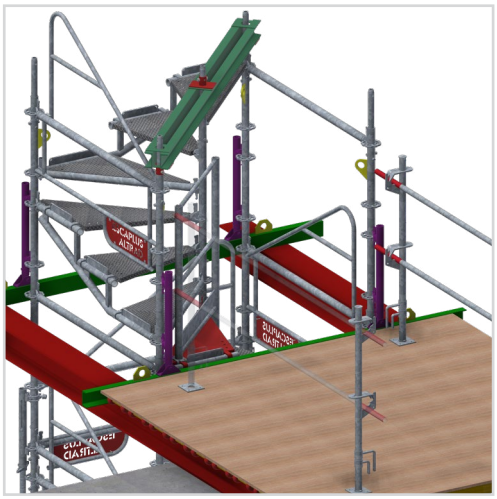
Face 4



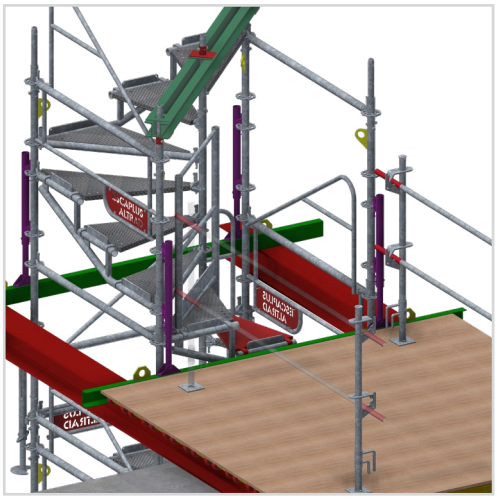
Adjusting the support legs :



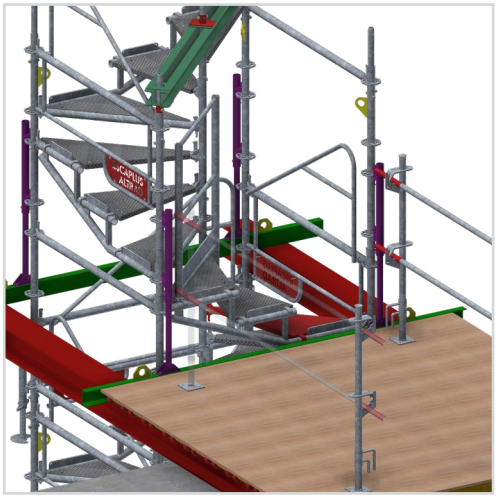
Position 1



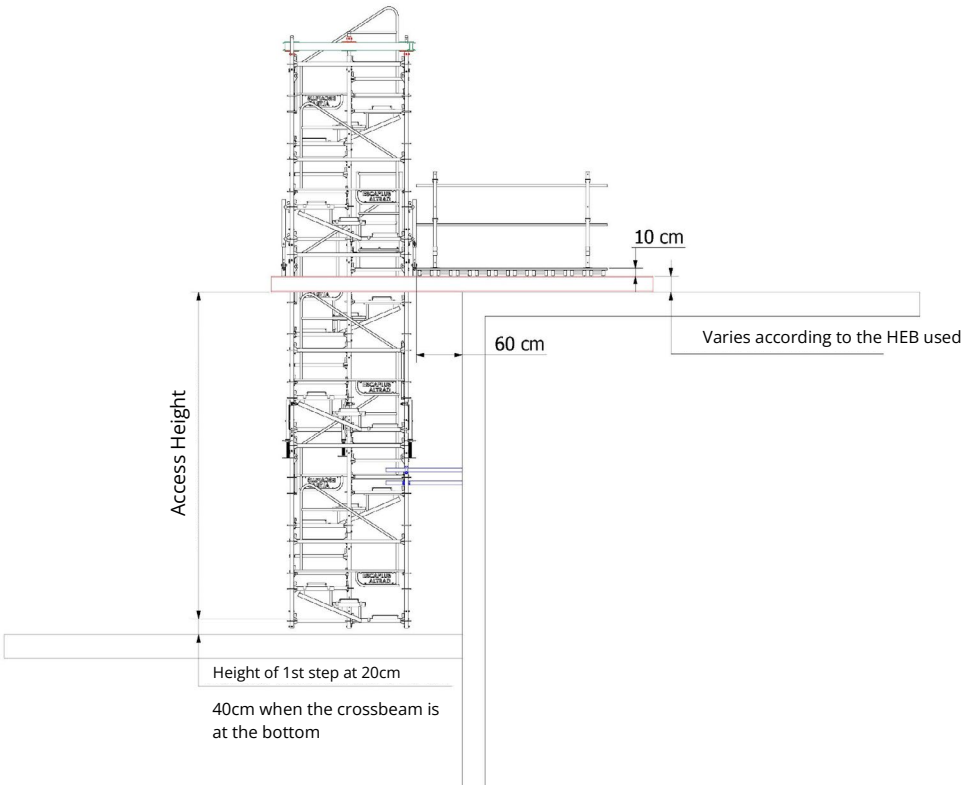
Position 2



Position 3

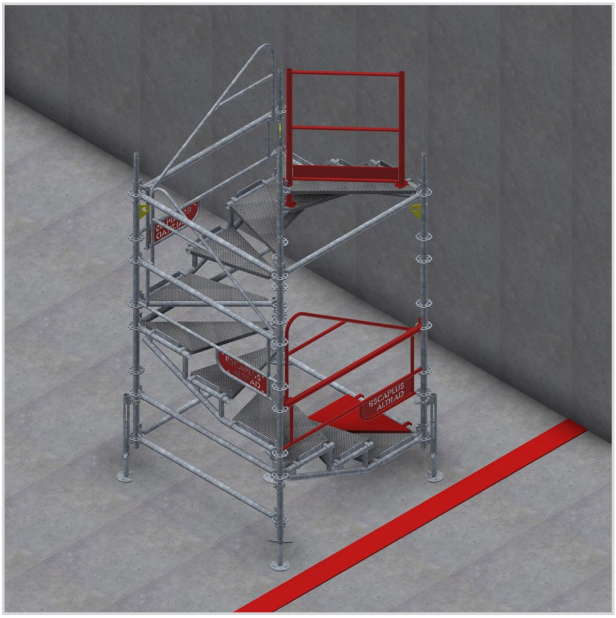


ACCESS HEIGHT											
Height (m)	**Nomber de modules**	**Access side**	**Foot adjustment**	**Height (m)**	**Nomber de modules**	**Access side**	**Foot adjustment**	**Height (m)**	**Nomber de modules**	**Access side**	**Foot adjustment**
0,1	**1**	2	1	8,7	**5**	1	3	15,9	**8**	1	3
0,3		3	3	8,9			2	16,1			2
0,5			2	9,1			1	16,3			1
0,7			1	9,3		2	3	16,5		2	3
0,9		4	3	9,5			2	16,7			2
1,1			2	9,7			1	16,9			1
1,3			1	9,9		3	3	17,1		3	3
1,5	**2**	1	3	10,1			2	17,3			2
1,7			2	10,3			1	17,5			1
1,9			1	10,5		4	3	17,7		4	3
2,1		2	3	10,7			2	17,9			2
2,3			2	10,9			1	18,1			1
2,5			1	11,1	**6**	1	3	18,3	**9**	1	3
2,7		3	3	11,3			2	18,5			2
2,9			2	11,5			1	18,7			1
3,1			1	11,7		2	3	18,9		2	3
3,3		4	3	11,9			2	19,1			2
3,5			2	12,1			1	19,3			1
3,7			1	12,3		3	3	19,5		3	3
3,9	**3**	1	3	12,5			2	19,7			2
4,1			2	12,7			1	19,9			1
4,3			1	12,9		4	3	20,1		4	3
4,5		2	3	13,1			2	20,3			2
4,7			2	13,3			1	20,5			1
4,9			1	13,5	**7**	1	3	20,7	**10**	1	3
5,1		3	3	13,7			2	20,9			2
5,3			2	13,9			1	21,1			1
5,5			1	14,1		2	3	21,3		2	3
5,7		4	3	14,3			2	21,5			2
5,9			2	14,5			1	21,7			1
6,1			1	14,7		3	3	21,9		3	3
6,2	**4**	1	3	14,9			2	22,1			2
6,5			2	15,1			1	22,3			1
6,7			1	15,3		4	3	22,5		4	3
6,9		2	3	15,5			2	22,7			2
7,1			2	15,7			1	22,9			1
7,3			1								
7,5		3	3								
7,7			2								
7,9			1								
8,1		4	3								
8,3			2								
8,5			1								

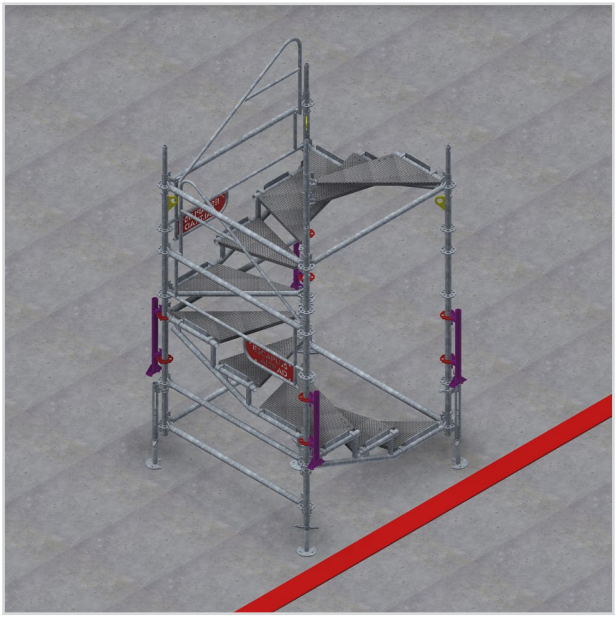


Depending on which side of the wall is chosen, the procedure for fitting the top access module differs.

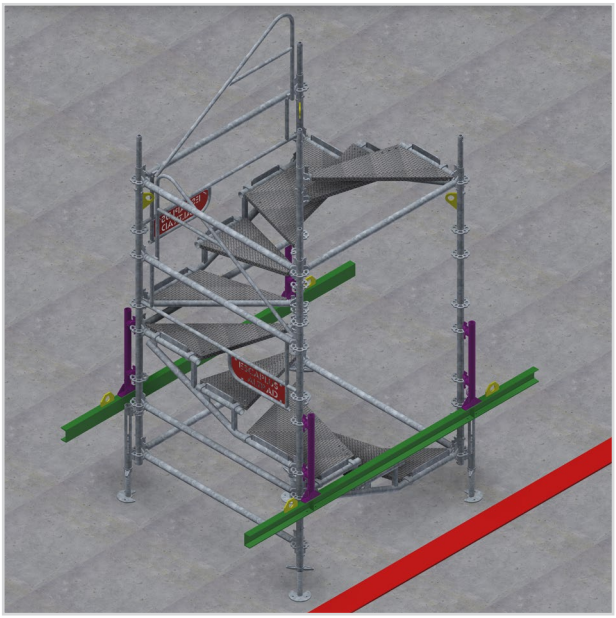
INSTRUCTIONS FOR FACE 1



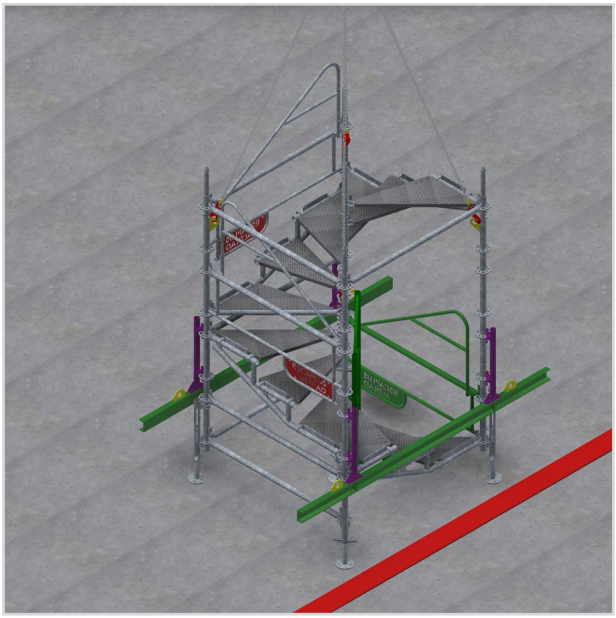
1 It is advisable to draw a reference line representing the exit face.
Assemble this first module normally without using the components shown in red.



2 Position the 4 adjustable support feet at the rosettes shown in red.
Adjust the support feet to the desired position.

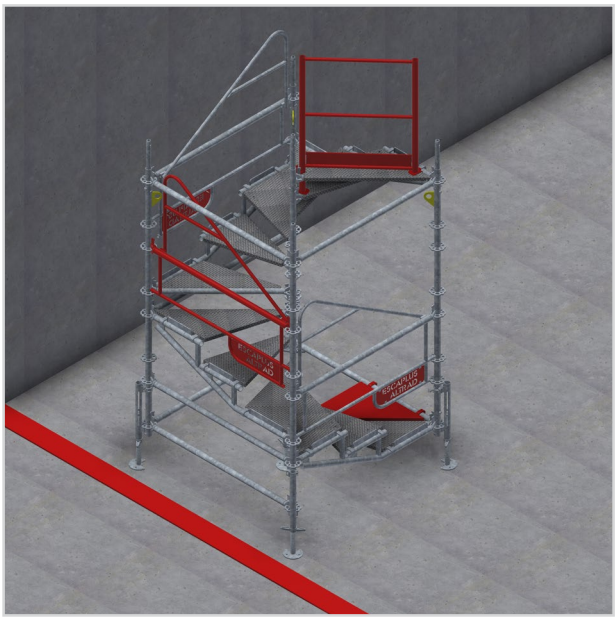


3 Bolt the support UPNs to the adjustable support feet.

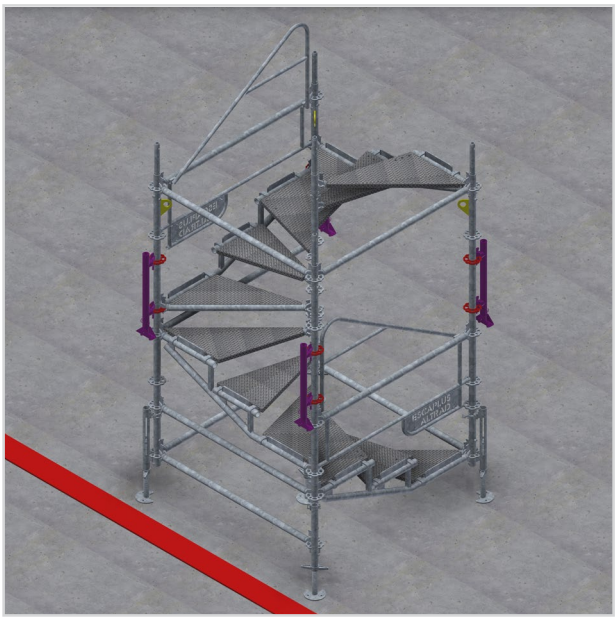


4 Attach the 4 slings to the lifting points. Replace the ledger with the handrail (shown in green). Fit the upper guardail (shown in green). Then lift.

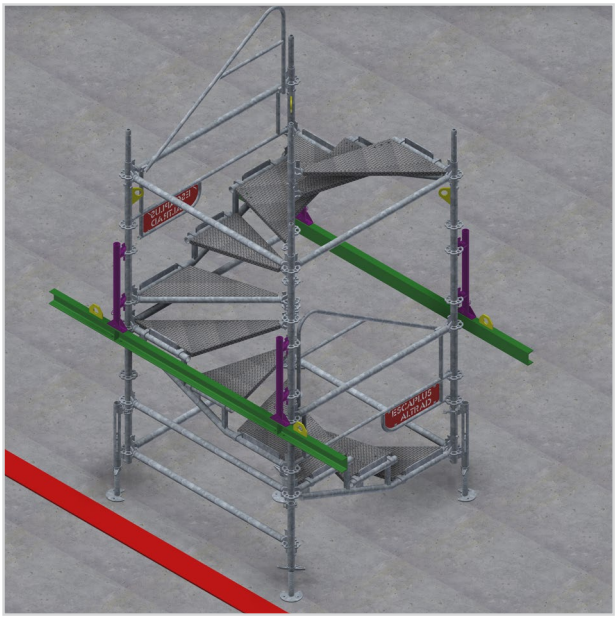
INSTRUCTIONS FOR FACE 2



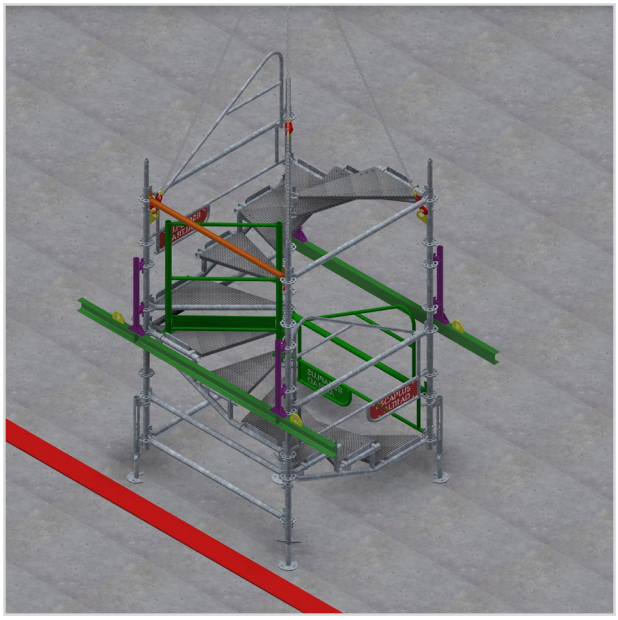
1 It is advisable to draw a reference line representing the exit face.
Assemble this first module as normal, without using the components shown in red.



2 Position the 4 adjustable support feet at the rosettes shown in red.
Set the support feet to the desired position.

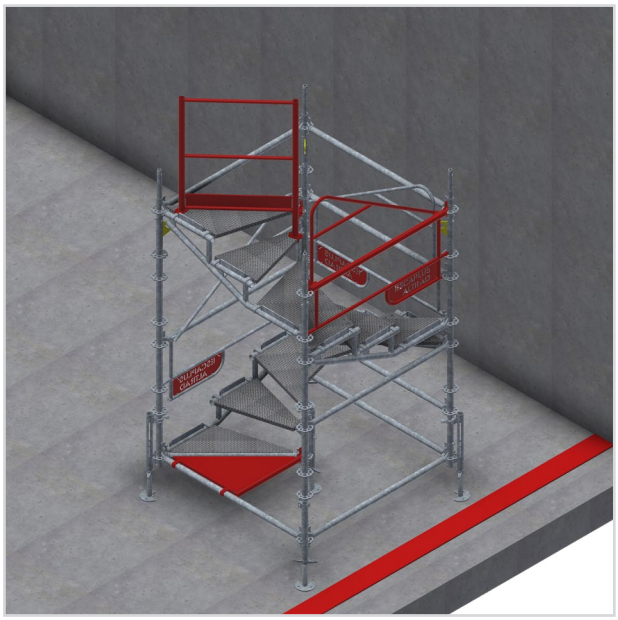


3 Bolt the support UPNs to the adjustable support feet.

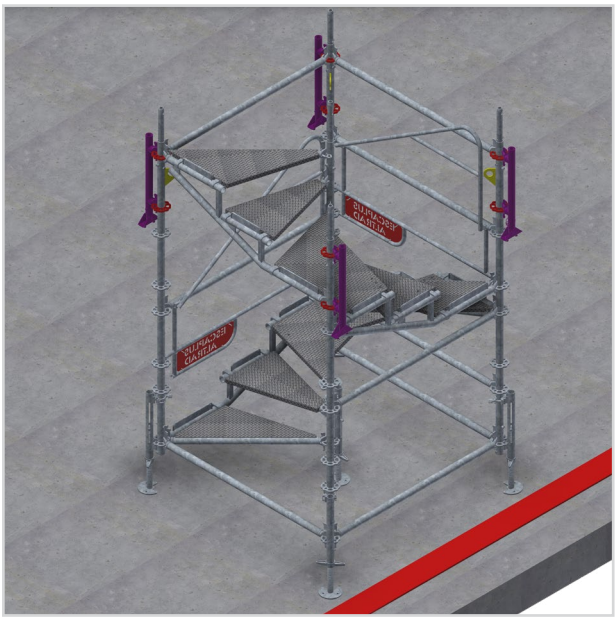


4 Attach the 4 slings to the lifting points. Replace the ledger with the handrail (shown in green). Fit the upper guardail (shown in green). Then lift.
The orange ledger must be removed once the Escaplus is in place.

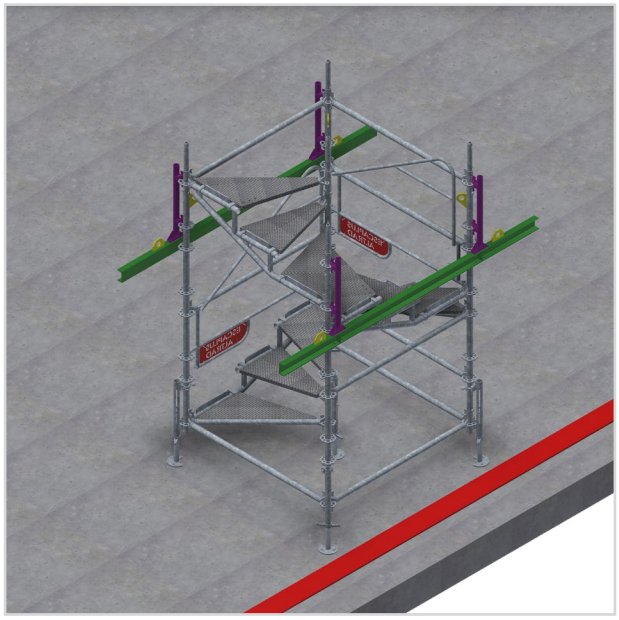
INSTRUCTIONS FOR FACE 3



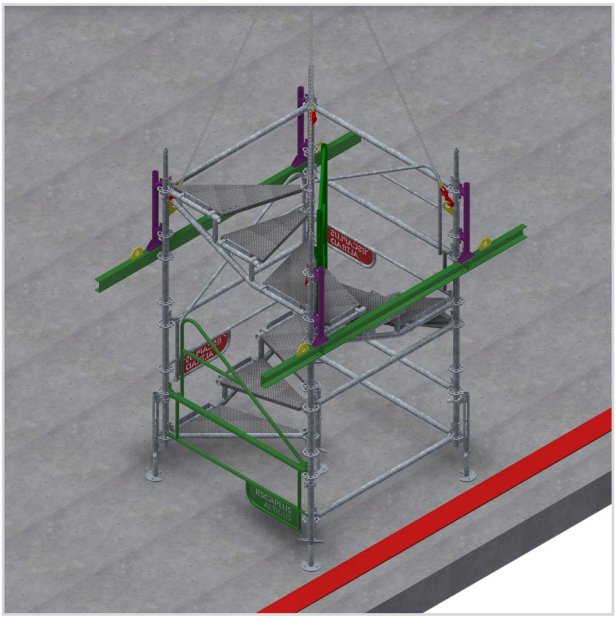
1 It is advisable to draw a reference line representing the exit face.
Assemble this first module as normal, without using the components shown in red.



2 Position the 4 adjustable support feet at the rosettes shown in red.
Adjust the support feet to the desired position.

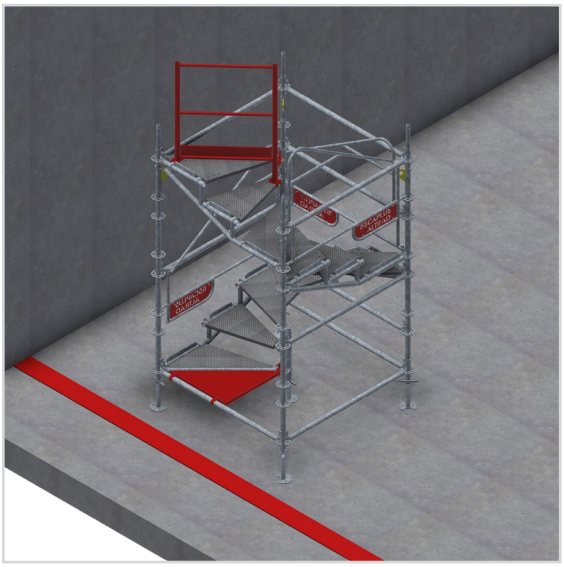


3 Bolt the support UPNs to the adjustable support feet.



4 Attach the 4 slings to the lifting points. Replace the ledger with the handrail (shown in green). Fit the upper guardail (shown in green). Then lift.

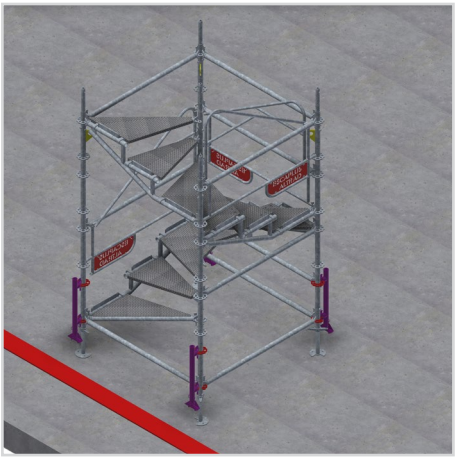
INSTRUCTIONS FOR FACE 4



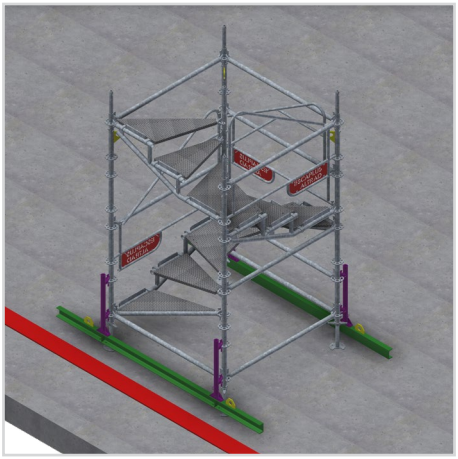
1 It is advisable to draw a reference line representing the output face, without using the elements shown in red.

In this case, we won't be using the entire offset base, but only the base jack after removing the anti-unlocking device.

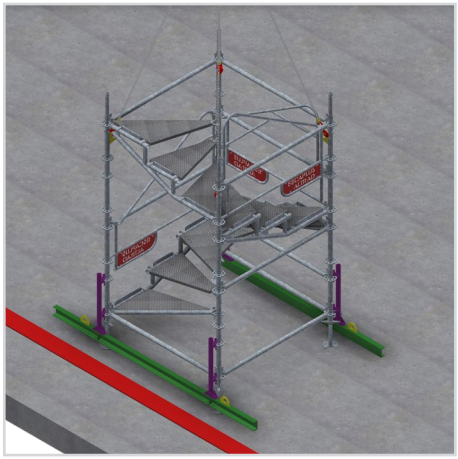
As a result, these base jack will remain on the ground during lifting. There must be opened to 30 cm to access the first two positions of the support foot adjustment. In addition, an extra 20 cm of shimming is required under the jacks to allow access to the third support foot position.



2 Position the 4 adjustable support feet at the rosettes shown in red.
Adjust the support feet to the desired position.



3 Bolt the support UPNs to the adjustable support feet.



4 Attach the 4 slings to the lifting points then lift.

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