



# Façade Scaffolding

# DCM 49



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# DCM 49

FAÇADE SCAFFOLDING

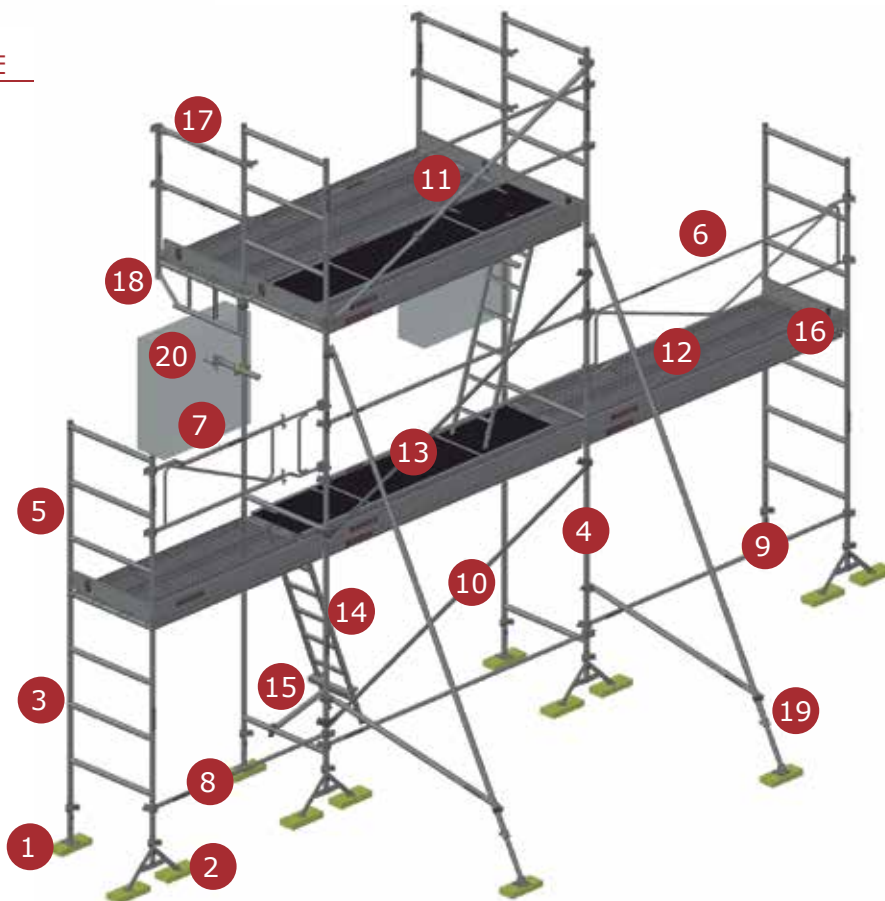


The Façade Scaffolding DCM 49 can be adapted to any type of work, from the easiest to the most difficult, owing to its strength and safety. It is versatile and easy-to-handle scaffolding, which permits multiple assemblies using few components.

The DCM 49 is subject to the terms of use: ROYAL DECREE 2177/2004, of November 12 (Establishing the minimum health and safety requirements for the use of work equipment by workers in temporary elevated work).

Technical specifications: Steel tube  $\varnothing$  48 mm. Grade St-44. All components are hot dip galvanized with a minimum thickness of 75 microns according to the European Standard EN 1461.

NOMENCLATURE

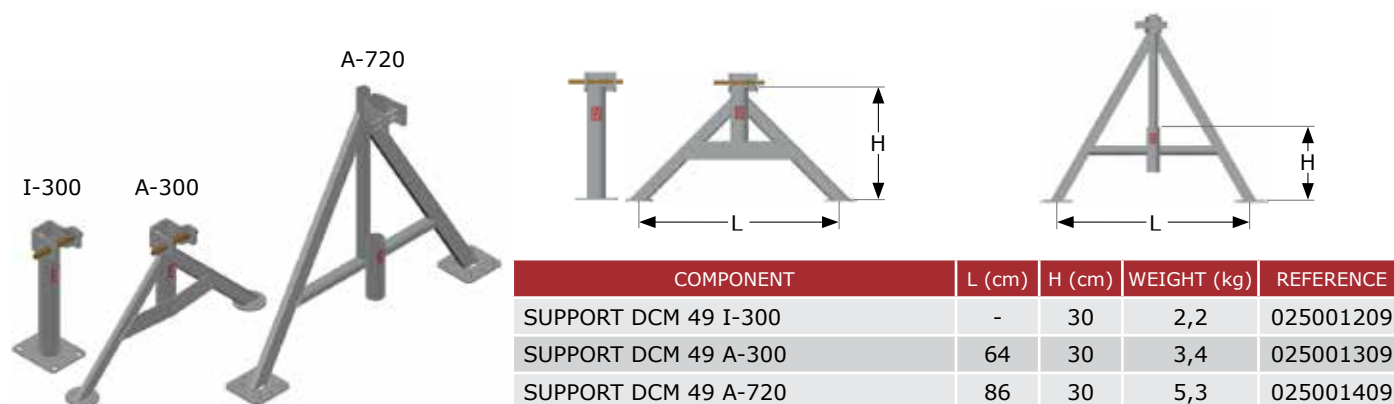


NOMENCLATURE:

- |                                 |  |
|---------------------------------|--|
| 1.- SUPPORT DCM 49 I-300        | 11.- EXTENSIBLE DIAGONAL DCM-49              |
| 2.- SUPPORT DCM 49 A-300        | 12.- FIXED PLATFORM DCM 49 3000x300 C-4 (SM) |
| 3.- FRAME DCM 49 E 2000 B4      | 13.- ACCESS PLATFORM DCM 49 3000x600 FR      |
| 4.- FRAME DCM 49 E 2000 B2T     | 14.- PLATFORM LADDER FR                      |
| 5.- FRAME DCM 49 E 1500 B3      | 15.- LADDER SUPPORT                          |
| 6.- FIXED GUARDRAIL DCM-49 3000 | 16.- TOEBOARDS DCM 49 3000 (SM)              |
| 7.- EXTENSIBLE GUARDRAIL DCM-49 | 17.- RUNNER DCM 49 945                       |
| 8.- HANDRAIL DCM-49 2000        | 18.- SIDE BRACKET DCM 49 945                 |
| 9.- HANDRAIL DCM-49 3000        | 19.- TELESCOPIC STABILIZER 6000              |
| 10.- FIXED DIAGONAL DCM-49 3000 | 20.- TIE                                     |

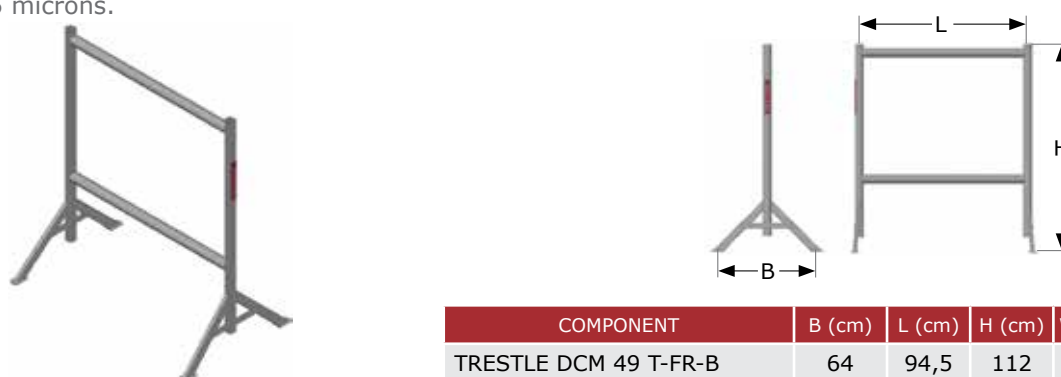
## INITIAL COMPONENTS

The I and A-type supports enable the scaffold to be set out and facilitate the assembly of the frames. The I-type support has a 12 cm long square plate with drill holes to attach it to the ground. A-type supports are held by 2 plates, providing stability when assembling the frames. They all have a flange for a 48 mm diameter tube with a fast-attaching taper pin to secure the frame. Hot-dip galvanized with a thickness of 75 microns.



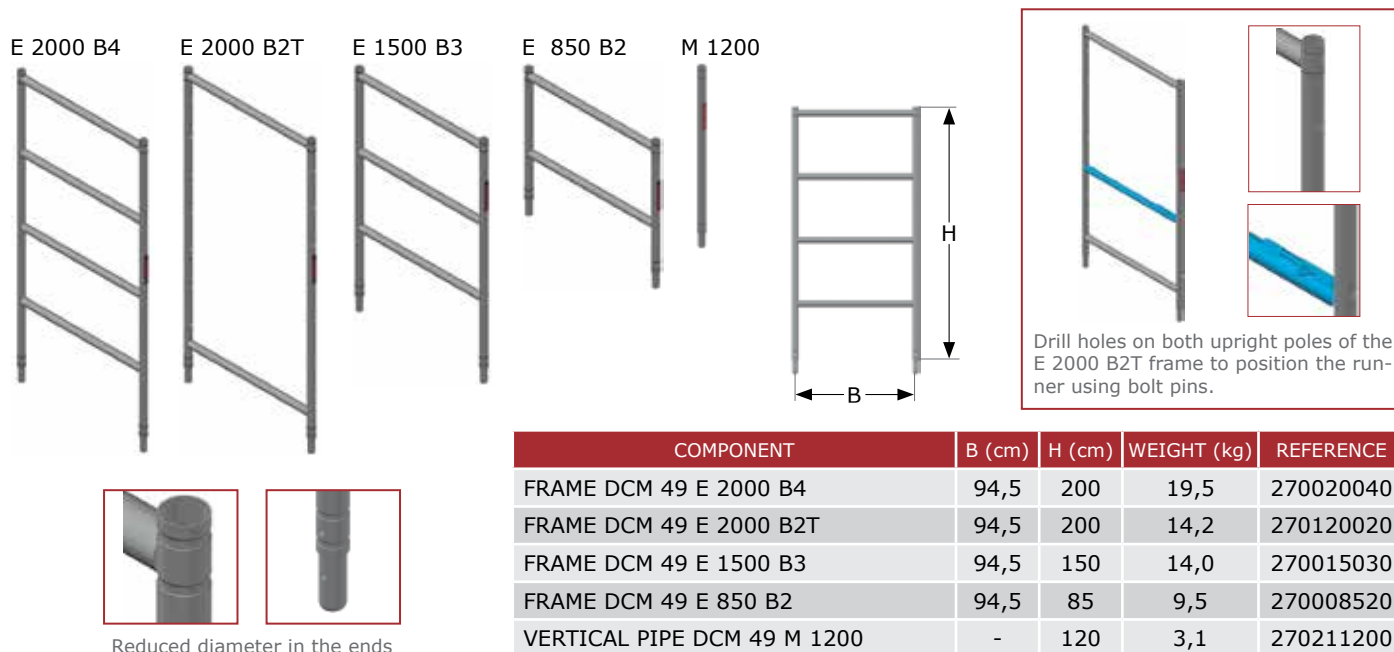
## TRESTLE T-FR-B

Upright poles and horizontal crossbars made from  $\varnothing 48$  mm tube. This provides high stability thanks to its 4 points of support. It has a telescopic headpiece for increasing the height of the platform. Hot-dip galvanized with a thickness of 75 microns.



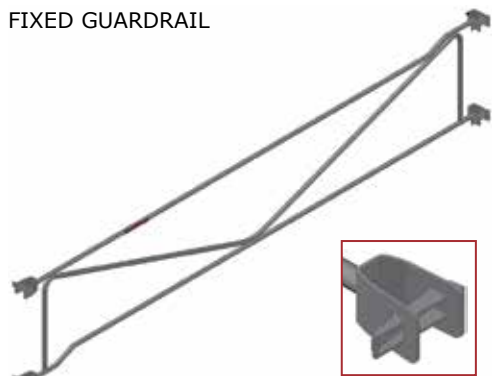
## SCAFFOLD FRAMES

These components bear the load of the scaffold. Made from  $\varnothing 48$  mm tube. The bottom end has a spigot for attaching  $\varnothing 40$  mm tubes. The reduction of the diameter at the ends of the frame ensures a strong connection without gaps. Frame widths: 0.945 m. Hot-dip galvanized with a minimum thickness of 75 microns.

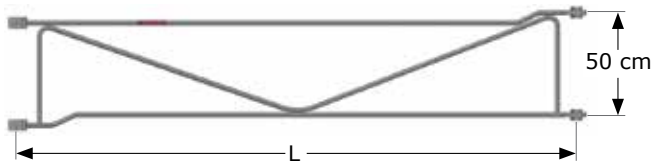


**GUARDRAILS**

**FIXED GUARDRAIL**



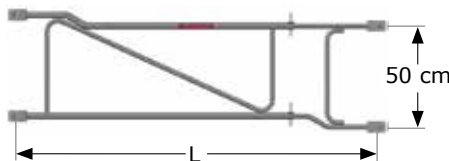
Made from round tubes of various diameters, these make the assembly rigid thanks to their 4 flanges with conical wedges. The extendable guardrail enables a broad range of module lengths to be achieved, with the length being fixed using flanges with wedges. Hot-dip galvanized and with a minimum thickness of 75 microns.



**EXTENSIBLE GUARDRAIL**



Brida para ajuste de longitud



COMPONENT	L (min-max) (m)	WEIGHT (kg)	REFERENCE
FIXED GUARDRAIL DCM-49 3000	3	12	270303000
EXTENSIBLE GUARDRAIL DCM-49	2,0 - 3,1	14	270313100

**HANDRAILS**

Made from Ø35 mm tube, they have flanges for Ø48 mm tube at both ends with a conical wedge. Hot-dip galvanized with a minimum thickness of 75 microns. They perform the function of a guardrail (erected 0.5 m and 1 m above the platforms).



COMPONENT	L (m)	WEIGHT (kg)	REFERENCE
HANDRAIL DCM-49 2000	2,0	2,2	270402000
HANDRAIL DCM-49 2500	2,5	3,4	270402500
HANDRAIL DCM-49 3000	3,0	5,3	270403000

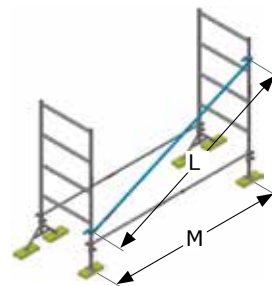
**DIAGONAL BRACES**

Made from Ø40 mm tube (Ø45 mm outer tube in the telescopic model), they have articulated flanges for Ø48 mm tube at both ends. They make the vertical tubes that form the uprights of the frame more rigid. Attached lengthwise to the extendable diagonal brace using the sheet metal flange.

**FIXED DIAGONAL**

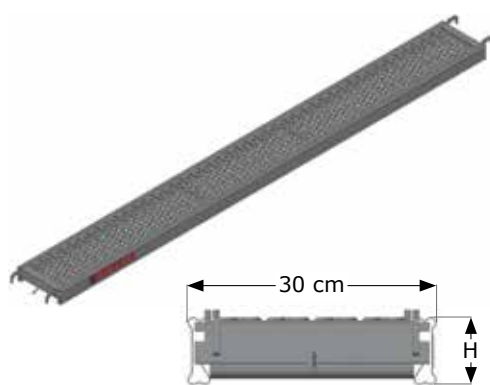


**EXTENSIBLE DIAGONAL**



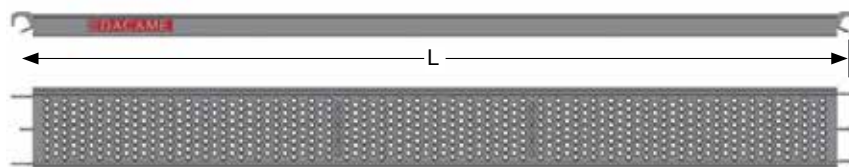
COMPONENT	M (m)	LENGHT L (m)	WEIGHT (kg)	REFERENCE
FIXED DIAGONAL DCM-49 3000	3	3,285	5,9	270503000
EXTENSIBLE DIAGONAL DCM-49	2 to 3	2,2 - 3,9	9,7	270513000

## FIXED STEEL PLANKS



The planks comply with the European Standard EN 12811. An extremely resistant, cross-perforated working surface made from shaped/folded metal and anti-slip covering. The two welded tubes facilitate to handling. Available widths: 30 / 37 cm Zinc-plated with a minimum thickness of 15 microns.

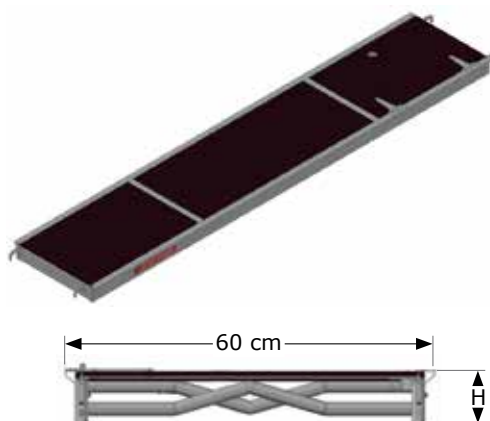
Complies with the requirements of the 12810-2 fall arrest system.



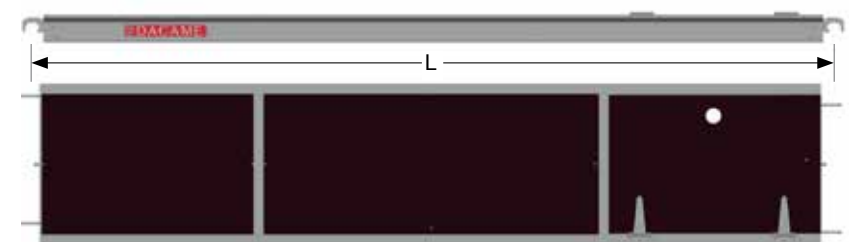
COMPONENT	H (cm)	C (kg/m <sup>2</sup> )	LENGTH (m)	WEIGHT (kg)	REFERENCE
FIXED PLANK D45/D49 2000x300 (SM)	7	300	2,0	11	250701200
FIXED PLANK D45/D49 2500x300 (SM)	7	300	2,5	13	250701250
FIXED PLANK D45/D49 3000x300 (SM)	7	300	3,0	16	250701300

H: edge height  
C: load capacity

## ACCESS PLANKS



The planks comply with the European Standard EN 12811. Aluminium structural frame. A working area made of 12 mm thick, damp-proof and anti-slip board. Ladder supplied separately.



COMPONENT	H (cm)	C (kg/m <sup>2</sup> )	LENGTH (m)	WEIGHT(kg)	REFERENCE
ACCESS PLANK TRAP DCM 2000 C4 FR	10	300	2,0	21,5	270900200
ACCESS PLANK TRAP DCM 2500 C4 FR	10	300	2,5	24,5	270900250
ACCESS PLANK TRAP DCM 3000 C4 FR	10	300	3,0	28,0	270900300

H: edge height  
C: load capacity

## ACCES LADDER



Manufactured with 6061 aluminium. Complies with the European Standards EN 131-1 and 2. Removable screw eye hooks on the top part and non-slip rubber feet.

Step width 40 cm.

COMPONENT	LENGTH (m)	WEIGHT (kg)	REFERENCE
PLANK LADDER FR (AL)	2,06	3,4	240920010

## ACCES LADDER SUPPORT

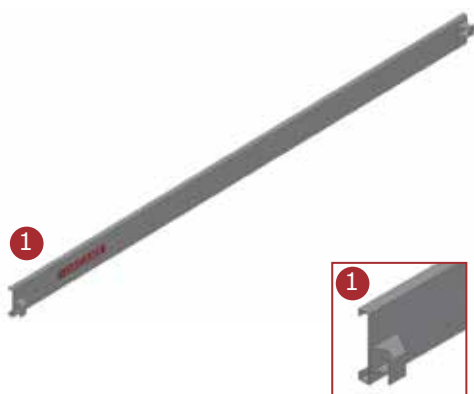


This enables the first access ladder to be properly inclined without the need for steel platforms.

Attached to the frame with a Ø48 mm flange.

COMPONENT	WIDTH (cm)	WEIGHT (kg)	REFERENCE
LADDER SUPPORT (W 40cm) (GA)	40	4,5	212390010

**TOEBOARDS**

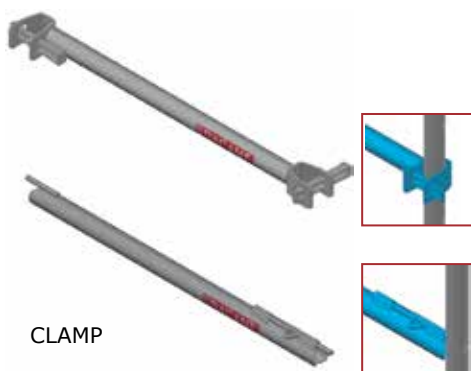


Designed to complete the side protection (guardrail). Made from zinc-treated sheet metal (Sendzimir). Metal clasps on both ends. Protective height of 15 cm.



ELEMENT	LENGTH (m)	WEIGHT (kg)	REFERENCE
TOEBOARDS DCM 49 945 (SM)	0,945	3,0	270800940
TOEBOARDS DCM 49 2000 (SM)	2,0	5,9	251000200
TOEBOARDS DCM 49 2500 (SM)	2,5	7,3	251000250
TOEBOARDS DCM 49 3000 (SM)	3,0	8,8	251000300

**RUNNERS**



Made of Ø48 mm round tube, they allow the positioning of platforms at any height of the frames, coupling them by means of the flanges provided at both ends or by means of a bolt-type pin, in the drilled frames (E 2000 B2T). Hot dip galvanized.



ELEMENT	LENGTH (m)	WEIGHT (kg)	REFERENCE
RUNNER DCM 49 945	0,945	3,2	270700940
RUNNER DCM 49 945 W/CLAMP	0,945	2,5	270701940

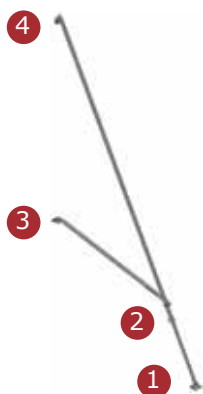
**BRACKETS**



Intended to extend the work surface, it is attached to the scaffold frame by means of a Ø48 mm pipe flange. It has a 48 mm outer diameter bushing to couple elements of the system fitted with a spigot. Hot dip galvanized.

ELEMENT	LENGTH (m)	WEIGHT (kg)	REFERENCE
SIDE BRACKET DCM 49 945	0,945	6,5	270600940

**TELESCOPIC STABILIZER**



In cases of scaffold structures that cannot be latched to a wall for whatever reason, the telescopic stabilizer prevents the structure from falling over. It has an articulated base plate that enables optimal adaptation to the ground conditions and a telescopic arm adjustable by means of a release pin. It attaches to the frames with two flanges.



COMPONENT	WEIGHT (kg)	LENGTH (m)	REFERENCE
TELESCOPIC STABILISER 6000 (GA) (kit)	22	de 4.3 a 6.1	251200510

**TIES**



An indispensable component for latching the scaffolding structure to the façade. They should be used with an EN 74 flange for Ø45-48 mm tubes. Hook diameter: 18 mm

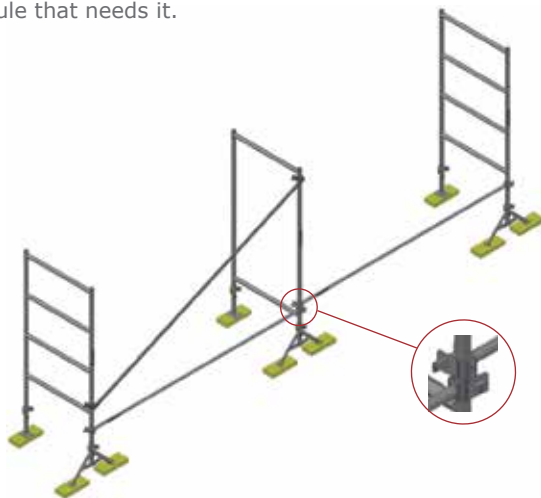
ELEMENT	WEIGHT (kg)	LENGTH(m)	REFERENCE
SCAFFOLD TIE 500 (GA)	1,5	0,5	025029089
SCAFFOLD TIE1000 (GA)	2,4	1,0	025029099
SCAFFOLD TIE 1500 (GA)	3,4	1,5	025029109

## ASSEMBLY PROCEDURE

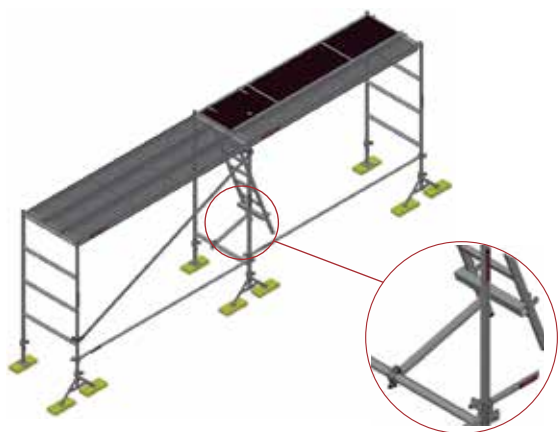
- 1** Setting out the initial components. The I-300 supports are put into position on the inside of the scaffold, with the A-300 supports on the outside.



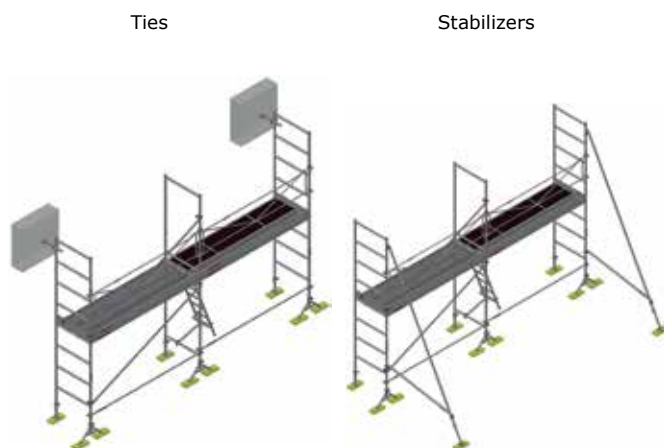
- 2** Erect the E 2000 B4 frames at the ends and the E 2000 B2 T frames in the central sections, attached to each other with handrails. Assemble the diagonal brace on any module that needs it.



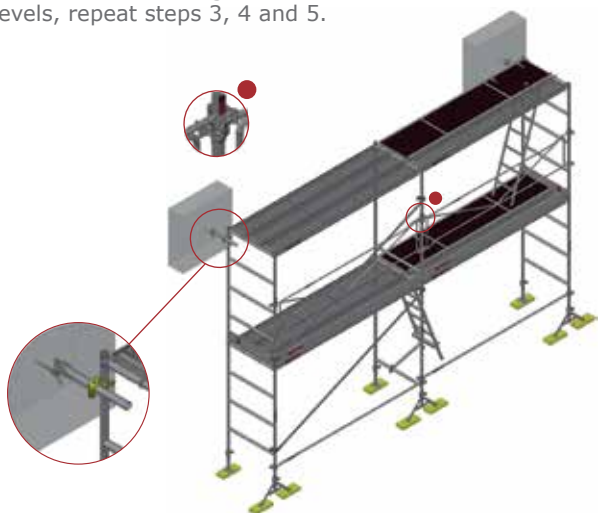
- 3** Erect the fixed and access platforms, leaning the access ladder on the bottom crossbar of the E 2000 B2 T frame.



- 4** Put the second level of frames in position. Assemble the side guardrail and the toeboard. Fix diagonal braces along the level and latch it to the wall.



- 5** Assemble the second level of platforms. For mountings with more levels, repeat steps 3, 4 and 5.



- 6** Complete the last level by erecting the E 1500 B3 frames at the ends and M1200 vertical pipes in the central sections. Erect the side protection with the guardrails and toeboards.





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Modular Scaffold

MEKA 48



Ladder Frame Scaffold

Conventional



Sectional Scaffold

SECUS



European Frame Scaffold

DINO 48



Aluminium Rolling Towers

ALU 50



Access Towers

ACCESS



FREE 48



ALU FREE



Shoring Towers

SHORING  
TOWER D



Façade Scaffold

DUO 45



Steel Rolling Towers

SYS-FAST



Stages, Ramps  
and Grandstands

MEKA FEST 48



DUO 45+ 



FREE 42



Scaffold Accessories

ACCESSORIES



DCM 49



MULTIPURPOSE

