

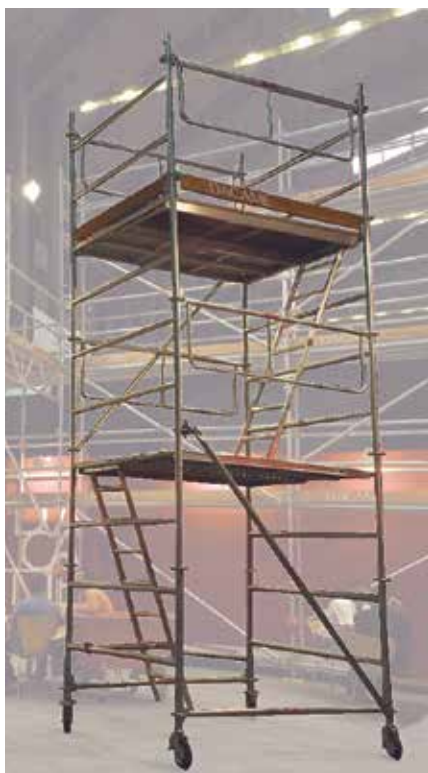


Steel Rolling Towers SYS-FAST



SYS-FAST

STEEL ROLLING TOWERS



The rolling towers system SYS-FAST is characterized by offering all the advantages of the modular scaffolding system and it is fully compatible with this system, too. It also has a wide range of high-strength and low weighted frames.



The main characteristics are:

- Excellent balance between weight and performance. Frames manufactured with structural steel tube Ø 48 mm in diameter, with ledgers every 50 cm.
- Simplicity and speed when assembling. A reduced number of references facilitate the understanding of the system keeping versatility to adapt to any working height. The connexion of the ledgers and the diagonals to the frames provides rigidity and versatility to the system.
- Security guaranteed by the implementation of the existing standards: EN 1004.

NOMENCLATURE - COMPONENTS OF SYS-FAST SYSTEM

4-ECO

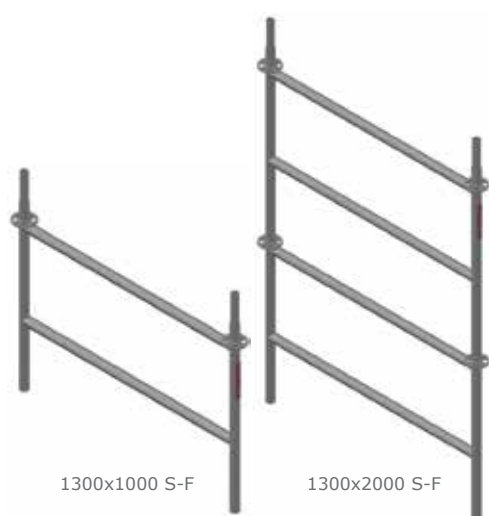


5-PLUS



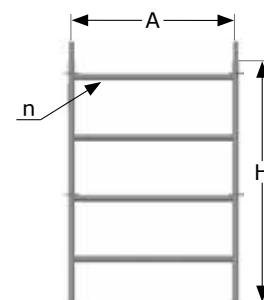
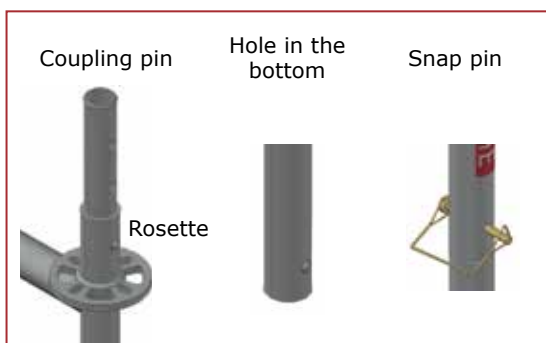
- 1 SCAFFOLD FRAME M48 1300x1000 S-F
- 2 SCAFFOLD FRAME M48 1300x2000 S-F
- 3 STANDARD GUARDRAIL M48 2000 (GA)
- 4 DIAGONAL M48 2000x2000 (GA) S-F
- 5 LEDGER M48 2000 (GA) S-F
- 6 FIXED PLANK M48/D48 2000 C-4 (GA)
- 7 ACCESS PLANK M48/D48 2000 (MD/AL)
- 8 SCREW JACK HOLDER
- 9 TOEBOARD M48/D48 1300 (MD)
- 10 TOEBOARD M48/D48 2000 (MD)
- 11 LADDER WITH HOOKS 3000
- 12 ACCESS LADDER (AL)
- 13 LADDER SUPPORT (GA)
- 14 CASTER HE 250 kg (Ø 36)

FRAMES



Round tube \varnothing 48 mm steel uprights available in 135 cm width. Ledgers every 50 cm provide system versatility in the height of the platforms. Available in the following heights: 1 m and 2 m. They have rosettes for connecting the ledgers and the diagonals of the modular scaffolding MEKA 48 every meter as well as a galvanized snap pin.

Hot dip galvanized, minimum thickness of 75 microns.



Description	Width A (m)	Height H (m)	Crossbar (n)	Weight (kg)	Part No.
SCAFFOLD FRAME M48 1300X1000 S-F	1,3	1	2	11,8	212213100
SCAFFOLD FRAME M48 1300X2000 S-F	1,3	2	4	22,7	212213200
SNAP PIN	-	-	-	0,08	070300001

STANDARD GUARDRAILS



Manufactured with \varnothing 48 mm pipe, they save time in the assembly and the weight. Protection bar to 0,5 m by a \varnothing 25 mm pipe.

Hot dip galvanized, minimum thickness of 75 microns.

Description	Weight (kg)	Length (m)	Part No.
STANDARD GUARDRAIL M48 2000 (GA)	7,9	2,0	211720200
STANDARD GUARDRAIL M48 3000 (GA)	11,2	3,0	211720300

DIAGONAL BRACES

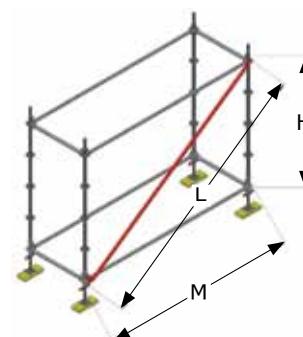


Manufactured with \varnothing 48 mm pipe, they have articulated locks on both ends. They full-fill the function of bracing the frames and they also act as stabilizers in very high towers. Hot dip galvanized.



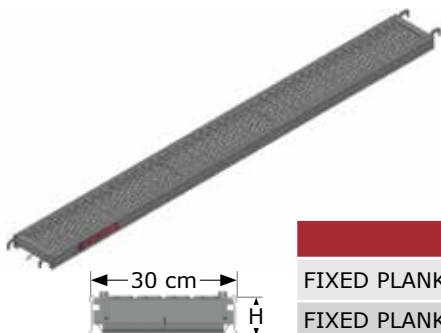
1. Diagonal brace 2000 x 2000 for bracing the frames.

2. Diagonal brace 2000 x 1300 as stabilizer.



Description	H (m)	M (m)	Weight (kg)	Length (m)	Part No.
DIAGONAL M48 2000x1000 (GA) S-F	2,0	1,0	7,1	2,21	210320102
DIAGONAL M48 2000x1300 (GA) S-F	2,0	1,3	7,4	2,34	210320132
DIAGONAL M48 2000x2000 (GA) S-F	2,0	2,0	8,5	2,75	210320202
DIAGONAL M48 2000x3000 (GA) S-F	2,0	3,0	10,4	3,50	210320302

FIXED STEEL PLANKS

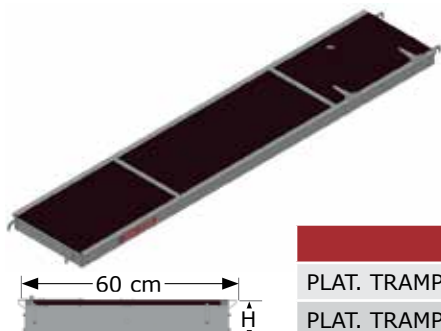


Planks manufactured in accordance with the EN 12811 standards. An extremely resistant perforated working surface manufactured with anti-slip grooves. The 2 welded tubes make them easy to handle. Width: 30 cm. Hot dip galvanized and with a minimum thickness of 75 microns. They comply with the 12810-2 fall arrest system requirements.



Description	H (cm)	C (kg/m ²)	Weight(kg)	Length(m)	Part No.
FIXED PLANK M48/D48 2000x300 C6 (CL) (GA)	7	300	11,2	2,0	210540200
FIXED PLANK M48/D48 3000x300 C4 (CL) (GA)	7	300	15,6	3,0	210540300

ACCESS PLANKS

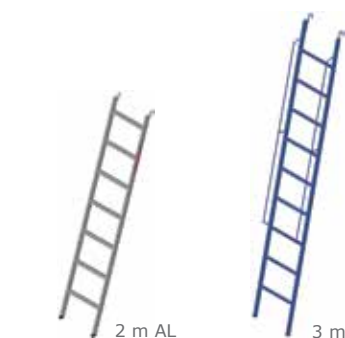


Planks manufactured in accordance with the EN 12811 standards. Frame made of structural aluminium. A working area made of 12 mm thickness, damp-proof and anti-slip board.



Description	H (cm)	C (kg/m ²)	Weight (kg)	Length (m)	Part No.
PLAT. TRAMP. M48/D48 2000 (MD/AL)	10	300	18	2,0	210600200
PLAT. TRAMP. M48/D48 3000 (MD/AL)	10	300	26	3,0	210600300

ACCESS LADDERS

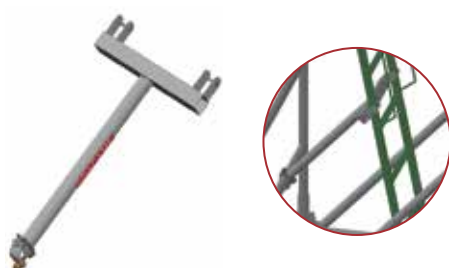


2 m ladders manufactured with 6061 aluminium.
3 m and 4 m ladders manufactured with steel with an epoxi finishing.

- Manufactured in accordance with EN 131-1 and 2 standards.
- Hooks on the upper end and anti-slip feet below.
- Step width: 40 cm.

Description	Weight (kg)	Length (m)	Part No.
ACCESS LADDER (AL)	3,4	2,06	240920000
ESCALERA GANCHOS/PASAMANOS B 3000	16,1	3	050213505

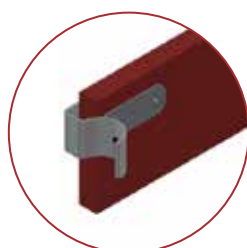
ACCESS LADDER SUPPORT



It allows the first access ladder to be properly inclined without the need of steel planks. It is connected to the ledger using a Ø 48 mm clamp. Hot dip galvanized, minimum thickness of 75 microns.

Description	Weight (kg)	Width (cm)	Part No.
LADDER SUPPORT (GA)	4,5	40	212390010

TOEBOARDS



Designed to complete the side protection (guardrail). Made of anti-humidity wood. Metal clamps on both ends. 15 cm protective height.

Description	Weight (kg)	Length (m)	Part No.
TOEBOARD M48/D48 1300 (MD)	3,1	1,3	210800130
TOEBOARD M48/D48 2000 (MD)	4,5	2,0	210800200
TOEBOARD M48/D48 3000 (MD)	6,7	3,0	210800300

SCREW JACK CASTERS AND SCREW JACK BASE



Swivel casters with a brake system, available for different load capacities. The screw jack base 1.0 m with 2 levers is used for stabilizing towers, mainly combined with brackets or stabilizers composed by a base collar, a ledger and a diagonal brace. Cold galvanized.

Description	Weight (kg)	Max. Reg. (cm)	Part No.
CASTER HE 250 kg (Ø 36)	7,7	50	025000200
CASTER HR 750 kg Nylon (Ø 38)	5,6	50	025000210
SCREW JACK BASE Ø 36 (1000) 2 levers	4,8	100	025020118

SCREW JACK HOLDER



The jack holders allow holding the casters of the towers to make the lifting operations safely. They connect to the vertical tube of the frame with a clamp and have two handles made of round bars to hold the caster handle.

Hot dip galvanized, minimum thickness of 75 microns.

Description	Weight (kg)	Ø Clamp mm	Part No.
SCREW JACK HOLDER (GA)	1,1	48	219901008

BASE COLLAR

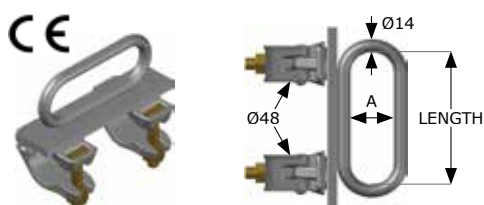


It can be assembled on casters or screw jack bases.

The rosette allows connecting diagonal braces and ledgers to make stabilizers. Hot dip galvanized, minimum thickness of 75 microns.

Description	Weight (kg)	Max. Reg. (cm)	Part No.
BASE COLLAR M48 (GA)	1,5	20	219900010

CRANE CLAMP



Lifting accessory designed to lift round tube scaffolding structures of 48mm diameter. EN 74-1 clamps. 22 mm spanner.

MWL: Maximum Working Load (kg)		ASSEMBLED ON HORIZONTAL TUBE:			600
		ASSEMBLED ON VERTICAL TUBE:			1000
Description	Length (m)	A (mm)	Ø (mm)	Weight (kg)	Part No.
BRIDA GRÚA Ø48 (ZN)	140	46	48	2,6	025000066

STABILIZERS WITH CLAMP



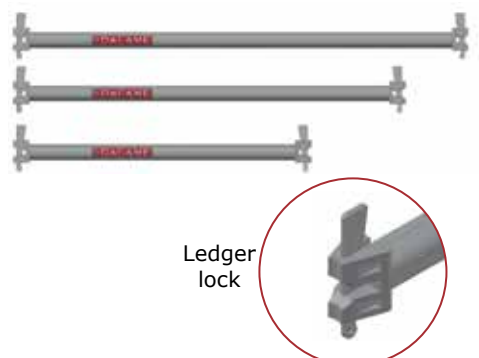
They avoid overturning in mid-rise towers.

They are connected to the frame by a Ø 48 mm clamp.

Hot dip galvanized, minimum thickness of 75 microns.

Description	Weight (kg)	Length (m)	Part No.
STABILIZER D48 700 (GA)	7,3	0,7	025060700
STABILIZER D48 1000 (GA)	10,1	1,0	025061000

LEDGERS



Manufactured with Ø 48 mm pipe, they have locks with cone-shaped wedges on both ends that can be inserted into the small rosette openings. They allow joining the frames of the system as well as establishing stabilizers in compositions of high-rise towers. Hot dip galvanized, minimum thickness of 75 microns.

Description	Weight (kg)	Length (m)	Part No.
LEDGER M48 1000 (GA) S-F	3,3	1,0	210200102
LEDGER M48 1300 (GA) S-F	4,0	1,3	210200132
LEDGER M48 2000 (GA) S-F	5,7	2,0	210200202
LEDGER M48 3000 (GA) S-F	8,2	3,0	210200302

CONFIGURATIONS SYS-FAST

MAIN FEATURES

MAXIMUM WORK HEIGHT	6,6 m	WORKING LOAD	2kN / m ² (Clase 3) EN 1004-1:2020
WORKING SURFACE AREA	1,35 x 2 m = 2,7 m ²	INSTRUCTION MANUAL	EN 1004-2:2022



4-ECO



5-PLUS

SYS-FAST - CHARACTERISTICS	4-ECO	5-PLUS
WORKING HEIGHT (m) (*)	5,60 (5,25)	6,60 (6,25)
SCAFFOLD HEIGHT (m) (*)	4,60 (4,25)	5,60 (5,25)
PLANK HEIGHT (m)(*)	3,60 (3,25)	4,60 (4,25)
WEIGHT (kg)	249,8	323,7

(*) Heights with the caster spindle fully extended and, in brackets, the height with the caster spindle fully retracted.

OVERVIEW SYS-FAST TOWERS			
COMPONENT	REFERENCE	4-ECO	5-PLUS
SCAFFOLD FRAME M48 1300X1000 S-F	212213100	-	2
SCAFFOLD FRAME M48 1300X2000 S-F	212213200	4	4
STANDARD GUARDRAIL M48 2000 (GA)	211720200	2	4
DIAGONAL M48 2000x2000 (GA) S-F	210320202	2	2
LEDGER M48 2000 (GA) S-F	210200202	2	2
FIXED PLANK M48/D48 2000x300 C6 (CL) (GA)	210540200	2	4
ACCESS PLANK M48/D48 2000 (MD/AL)	210600200	1	2
SNAP PIN	070300001	4	8
SCREW JACK HOLDER	219901008	4	4
TOEBOARD M48/D48 1300 (MD)	210800130	2	2
TOEBOARD M48/D48 2000 (MD)	210800200	2	2
LADDER WITH HOOKS AND RAILINGS B 3000	050213505	1	-
ACCESS LADDER (AL)	240920000	-	2
LADDER SUPPORT (GA)	212390010	1	1
SCREW JACK CASTER HE 250 kg (Ø 36)	025000200	4	4

PLANK HEIGHTS ACCORDING TO EN 1004-1:2020

H_{WORKING}



HEIGHT OF THE FIRST PLANK

Minimum height: There is no minimum height limitation for the first plank.

Maximum height: The maximum height allowed for the first plank is 3.4m.

Height less than 2m: For a height of the first plank less than 2m, the manufacturer must provide for stable access from the outside.

HEIGHT BETWEEN PLANKS

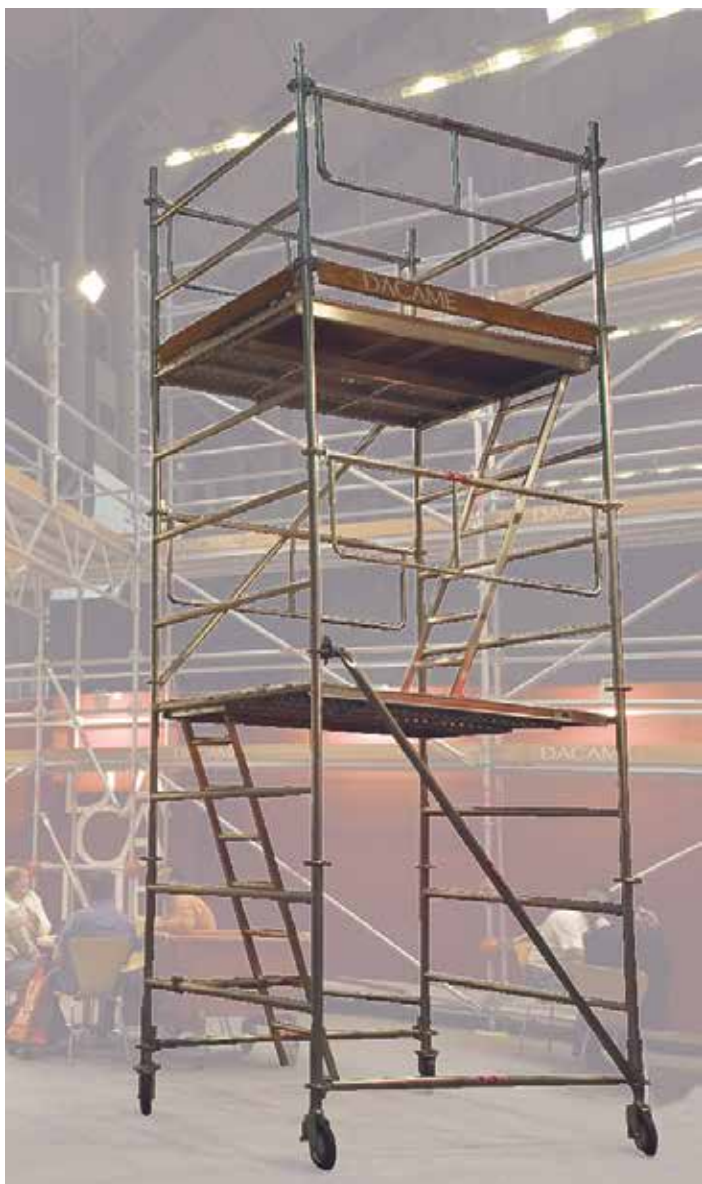
Maximum height: The maximum height allowed between planks is 2.25m.

WORKING PLANK

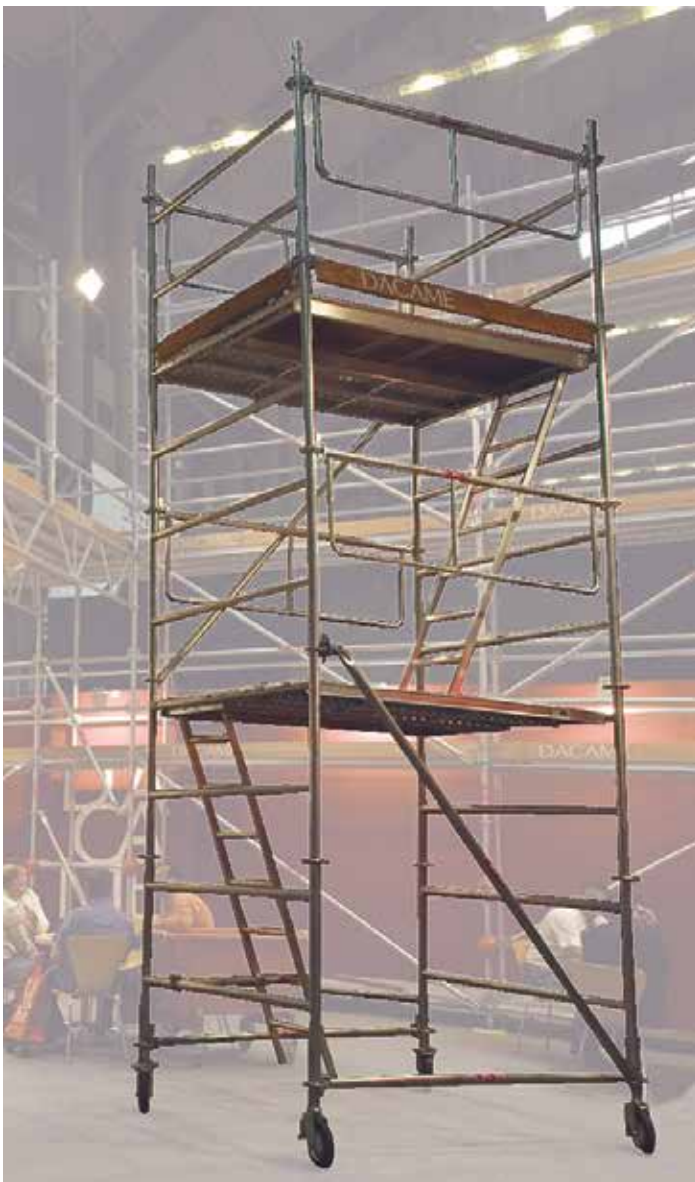
Only one working plank per tower is allowed. The other planks are considered access only. An intermediate plank may be established as a working plank if it is equipped with full lateral protection, that is, with horizontal braces and toeboards.

Image gallery:











ASSEMBLY SEQUENCE - SYS-FAST (MODEL 4-ECO)

1



The brake must be applied to the wheels to prevent them from sliding along the surface on which they rest. The wheel is locked when we press the lever it has towards the ground. To unlock it we will push the lever in the opposite direction.

Assembly of the first level:

- Insertion the screw jack casters in the 2m frames (wheels with activated brake device). Level the wheels so that the frames are horizontal using a spirit level.
- Union of the 2m frames by means of 2m ledgers connected to the rosettes of the frames, one at a height of 1m and the other at a height of 2m
- Position 2 steel planks at a height of 1 m (on the second crossbar of the frames)
- Mount the screw jack holder at the lower ends of the frames (using a ratchet wrench)

2



- Assembly of the second level of frames from the 2 planks positioned in step 1.
- Avoid accidental disassembly by using the safety pins.
- Assembly of the provisional railings on the rosettes of the frames, on both sides.
- Assembly of the 2 x 2m diagonal on one of the faces.

3



Mounting of the access plank at 3m from the ground. Installation of the 3m ladder as well as the ladder support to give it the proper inclination. You will then be able to access the access plank. Once the operator exits through the hatch, he must be anchored by means of a harness to the rose located at the upper end of the frame.

4



Completion of work level:

- Assembly of the 2 steel planks on the final crossbars (flush with the access plank).
- Assembly of the 2m railings on both sides
- Assembly of the second diagonal of 2 x 2m
- Assembly of the toeboards of 1.3m and 2m in length.

5



Once the work level is complete, the two temporary mounting rails can be removed.



After having positioned the planks on the horizontal crossbars of the frame, the anti-lifting safety of the planks must be put on both ends, to prevent their disassembly and/or accidental overturning.

ASSEMBLY SEQUENCE - SYS-FAST (MODEL 5-PLUS)

1



The brake must be applied to the wheels to prevent them from sliding along the surface on which they rest. The wheel is locked when we press the lever it has towards the ground. To unlock it we will push the lever in the opposite direction.

2



After having positioned the planks on the horizontal crossbars of the frame, the anti-lifting safety of the platforms must be put on both ends, to prevent their disassembly and/or accidental overturning.

Assembly of the first level:

- Insertion of the screw jack caster in the 2m frames (wheels with activated brake device). Level the wheels so that the frames are horizontal using a spirit level.
- Union of the 2m frames by means of 2m ledgers connected to the rosettes of the frames, one at a height of 1m and the other at a height of 2m.
- Position 2 steel planks at a height of 1 m (on the second crossbar of the frames)
- Assemble the screw jack holder at the lower ends of the frames (using a ratchet wrench).

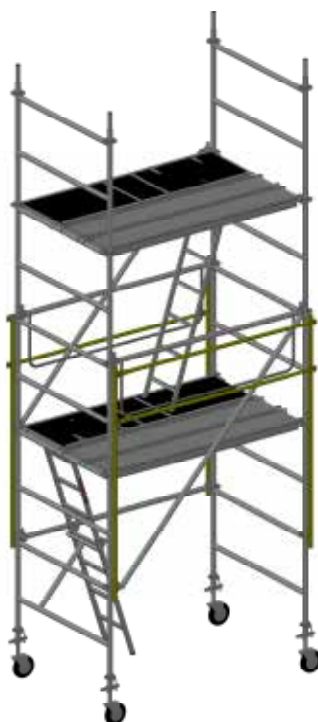
From the planks located in step 1, mount the 2 frames 1m high.

Assemble a 2x2m diagonal on one side

From the ground, reposition the 2 steel planks on the upper crossbars of the 2m frames. Also mount the access plank and the 2m ladder, as well as the ladder support to give it the proper inclination.

Assembly of the provisional railings for mounting on the rosettes of the frames, on both sides.

3



4



5



It will be possible to access through the access plank to the first level of planks.

- Assembly of the 2m railings on both sides.
- Assembly of the second level of frames. Avoid accidental disassembly by using the safety pins.
- Assembly of the second 2x2m diagonal.
- Assembly of the second level of planks (steel planks and access planks, as well as access ladder).

Provisional assembly railings will be repositioned.

It will be possible to access through the access plank to the second level of planks.

- Assembly of the 2m railings on both sides.
- Assembly of the toeboards of 1.3m and 2m in length.

Once the second level of work is complete, the two temporary mounting rails can be removed.



Sistema de
Gestión
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www.tuv.com
ID 9105058372

DACAME, S.L.
Ctra. Santa Bárbara - La Sénia, km 4,6
43515 - La Galera
Tarragona - Spain

Tel. + 34 977 71 70 04
Fax + 34 977 71 93 89
dacame@dacame.com
www.dacame.com

V.04-2205

Modular Scaffold

MEKA 48



Ladder Frame Scaffold

Conventional



Sectional Scaffold

SECUS



European Frame Scaffold

DINO 48



FREE 48



Aluminium Rolling Towers

ALU 50



ALU FREE



Access Towers

ACCESS



Façade Scaffold

DUO 45



DUO 45+



DCM 49



Steel Rolling Towers

SYS-FAST



FREE 42



MULTIPURPOSE



Stages, Ramps and Grandstands

MEKA FEST 48



Scaffold Accessories

ACCESSORIES



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