



Aluminium rolling towers

ALU 50

**DA
CAME**

ALU 50

ALUMINIUM ROLLING TOWERS



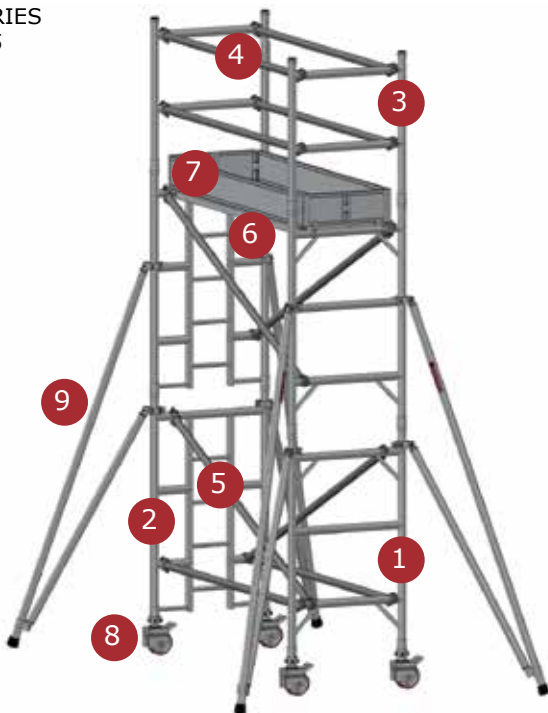
The extensive range of ALU 50 aluminium rolling towers enables users perform a broad selection of jobs without needing to assemble scaffold. The main advantages of ALU 50 towers are as follows:

- Excellent ratio of weight to performance. Made of 50 mm diameter structural aluminium tube, they provide great stability after assembly and significant load-bearing capacity, all with an extremely light structure.
- Simple and fast assembly. The small range of components makes the system easy to understand, without compromising its great versatility to adapt to any height of work. The connection between handrails and diagonal braces using claws with trigger action removes the need for tools, enabling easy, fast assembly.
- Safety assured by compliance with the current legislation on rolling towers. EN 1004 and EN 1298.



NOMENCLATURE

SERIES 075



SERIES 135



COMPONENT IDENTIFICATION:

SERIES 075 - 7502 TOWER

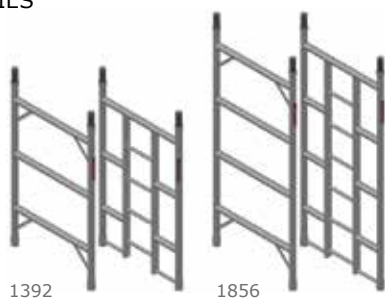
1. FRAME 750 X 1392 (AL)
2. LADDER FRAME 750 X 1392 (AL)
3. GUARDRAIL 750 X 945 (AL)
4. HORIZONTAL BRACE 2000 (AL)
5. DIAGONAL BRACE 2205 (AL)
6. ACCESS PLANK 2000 X 610 (AL)
7. TOEBOARD 610 X 1950 (AL)
8. CASTER 150 X 50 (AL)
9. FIXED STABILISER 2570 (AL)

SERIES 135 -13503 TOWER

10. FRAME 1350 X 1392 (AL)
11. LADDER FRAME 1350 X 1392 (AL)
12. FRAME 1350 X 1856 (AL)
13. LADDER FRAME 1350 X 1856 (AL)
14. GUARDRAIL 1350 X 945 (AL)
15. HORIZONTAL BRACE 2000 (AL)
16. DIAGONAL BRACE 2205 (AL)
17. FIXED PLANK 2000 X 610 (AL)
18. ACCESS PLANK 2000 X 610 (AL)
19. TOEBOARD 1220 X 1950
20. CASTER 150 X 50 (AL)

FRAMES

SERIES 075



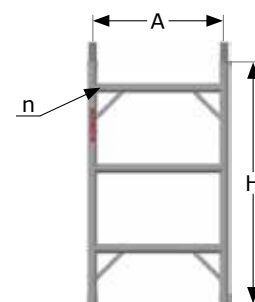
Made completely of 6061 round 50 mm structural aluminium tube, they are available in two widths: 75 cm and 135 cm. They are fitted with horizontal crossbars every 45 cm, which makes the system extremely adaptable to any height. In addition, the ladder frames have integrated treads to access the different working levels. Frames are available in the following heights:

- SERIES 075: 1.392 m and 1.856 m
- SERIES 135: 1.392 m, 1.856 m and 2.32 m

Consisting of a coupling spigot with hole for a locking pin made of galvanized steel.



SERIES 135



SERIES	COMPONENT	WIDTH W (m)	HEIGHT H (m)	CROSSBARS n	WEIGHT (kg)	REFERENCE
075	FRAME 750 x 1392 (AL)	0.75	1.392	3	5.5	510075139
	LADDER FRAME 750 x 1392 (AL)				7.0	511075139
	FRAME 750 x 1856 (AL)		1.856	4	6.5	510075185
	LADDER FRAME 750 x 1856 (AL)				8.8	511075185
135	FRAME 1350 x 1392 (AL)	1.35	1.392	3	6.6	510135139
	LADDER FRAME 1350 x 1392 (AL)				8.5	511135139
	FRAME 1350 x 1856 (AL)		1.856	4	9.0	510135185
	LADDER FRAME 1350 x 1856 (AL)				10.1	511135185
	FRAME 1350 x 2320 (AL)		2.320	5	10.5	510135232
	LADDER FRAME 1350 x 2320 (AL)				13.2	511135232

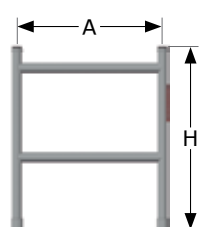
GUARDRAILS

SERIES 075

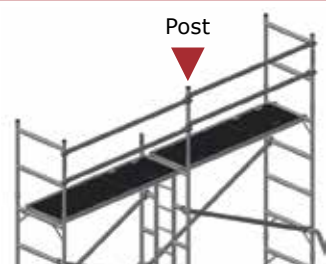


Made completely of 6061 round 50 mm structural aluminium tube. These components are designed to provide the side protection on the top level of planks. Available in widths of 75 and 135 cm. Useful safety height of 1 m.

SERIES 135



The guardrail post enables horizontal crossbars to be connected on the top level of planks in order to create longitudinal scaffolds.



COMPONENT	WIDTH W (m)	HEIGHT H (m)	WEIGHT (kg)	REFERENCE
GUARDRAIL 750 x 945 (AL)	0.75	0.945	3.1	512007594
GUARDRAIL 1350 x 945 (AL)	1.35	0.945	4.0	512013594
GUARDRAIL POST 945 (AL)	-	0.945	1.15	512075135

HORIZONTALS AND DIAGONAL BRACES

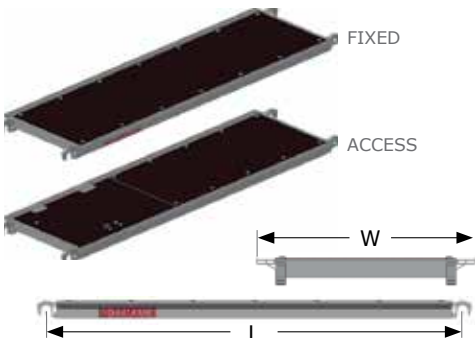


Made of 6061 round 50 mm structural aluminium tube, they have a connector fitted with a quick trigger that enables instant connection between the frame crossbars and guardrails. The colour of the triggers also enables them to be identified easily.



COMPONENT	TRIGGER	LENGTH (m)	WEIGHT (kg)	REFERENCE
HORIZONTAL BRACE 2000 (AL)	●	2,0	2,35	513000200
HORIZONTAL BRACE 3000 (AL)		3,0	2,97	513000300
DIAGONAL BRACE 2205 (AL)	●	2,20	2,55	514000220
DIAGONAL BRACE 3140 (AL)		3,14	3,08	514000310

PLANKS

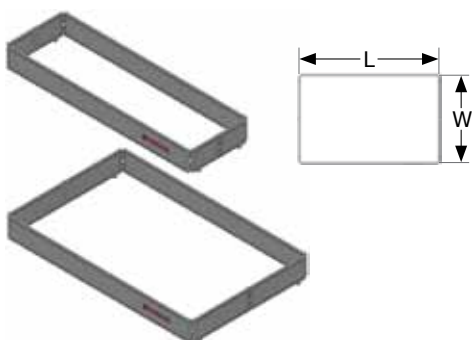


Frame made of 6061 structural aluminium, with a riveted, damp-proof, anti-slip board surface. The plank with a hatch has a safety latch and a maximum opening angle of 85°, which prevents the gap being left open accidentally.

COMPONENT	C (kg/m ²)	L x W (m)	WEIGHT (kg)	REFERENCE
FIXED PLANK 2000 x 610	200	2 x 0,61	14,7	515020061
FIXED PLANK 3000 x 610	200	3 x 0,61	23,3	515030061
ACCESS PLANK 2000 x 610	200	2 x 0,61	15,2	515120061
ACCESS PLANK 3000 x 610	200	3 x 0,61	23,5	515130061

C: load capacity

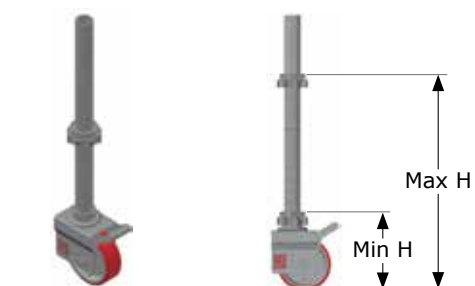
TOEBOARDS



Designed to complete the side protection formed by the crossbars, they are made completely of aluminium and have hinges that make them fully foldable. They cover the four sides of the perimeter and are available for widths of 75 cm and 135 cm. Fast system for attaching to the working surface.

COMPONENT	SERIES	L x W (m)	WEIGHT (kg)	REFERENCE
TOEBOARD 610 x 1950 (AL)	075	1,95 x 0,61	11,0	516061195
TOEBOARD 610 x 2950 (AL)	075	2,95 x 0,61	13,9	516061295
TOEBOARD 1220 x 1950 (AL)	135	1,95 x 1,22	12,8	516122195
TOEBOARD 1220 x 2950 (AL)	135	2,95 x 1,22	16,1	516122295

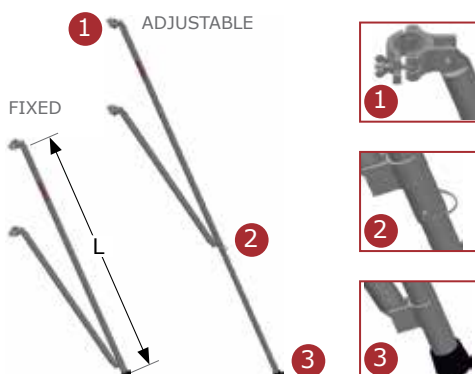
CASTER



Wheel with rubber band, diameter of 15 cm and width of 5 cm. Galvanized steel frame. Fitted with brake and rotation lock system. Spindle can be adjusted with a nut.

COMPONENT	Min H (cm)	Max H (cm)	WEIGHT (kg)	REFERENCE
CASTER 150 x 50 (AL)	22	61	5	517000155

STABILISERS



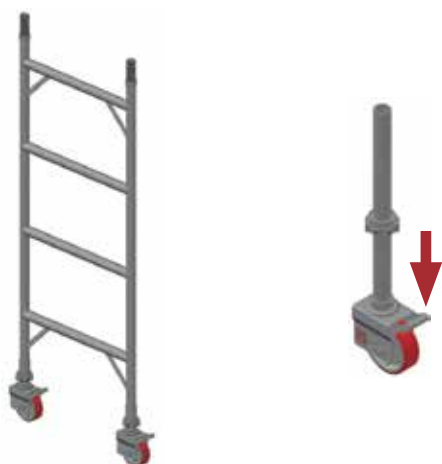
Consisting of a fixed or telescopic main arm that has a rubber support at the bottom end and a flange with a wing bolt on the top end, used to attach it to the corresponding frame. They also have a secondary arm articulated to the main arm, which can be attached to the scaffold with a clamp.

- 1) Connection flange with wing bolt.
- 2) Adjuster pin (adjustable stabiliser).
- 3) Bottom rubber support.

COMPONENT	L (m)	WEIGHT (kg)	REFERENCE
FIXED STABILISER 2570 (AL)	2.6	5.2	518000257
ADJUSTABLE STABILISER 2600-3200 AL	2.6 Min. - 3.2 Max.	6.5	518260320

ASSEMBLY PROCEDURE - ALU 50 (075 SERIES) (MODEL 7504)

1 Put two **adjustable casters** into position inside a **frame**. Lock the wheels by pressing down the braking device to prevent it moving and rotating.



2 Attach two **horizontal handrails** on top of the bottom crossbar of the **frame**.

i The horizontal handrails can be identified by the **green** locking latch.

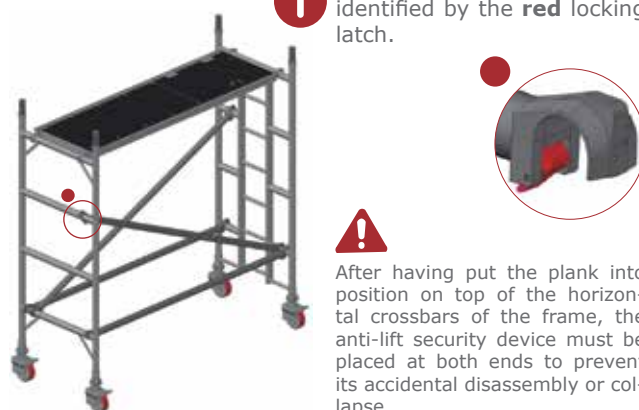


3 Attach the other free ends of the horizontal handrails to the other **frame**, which should be fitted with a **ladder**. This frame will previously have been fitted with **casters**.



4 Assemble the **diagonal braces** from the bottom crossbars to the top crossbars, connecting the wedges of the diagonal braces as close as possible to the Posts. Temporarily put a **access plank** in place on the top level of crossbars.

i The diagonal braces can be identified by the **red** locking latch.



After having put the plank into position on top of the horizontal crossbars of the frame, the anti-lift security device must be placed at both ends to prevent its accidental disassembly or collapse.

5 The next level of frames can then be assembled, securing them with the locking pins to prevent accidental disassembly. The next level of diagonal braces is then put in position in exactly the same way as in Step 4.

The **fixed stabilisers** are then fitted, ensuring that they are well secured on top of the frame poles by tightening the two flanges with screws.



6 The definitive plank with hatch is then assembled on top of the last level of crossbars. Next, the **guardrails** are assembled, securing them with the locking pins to prevent accidental disassembly.

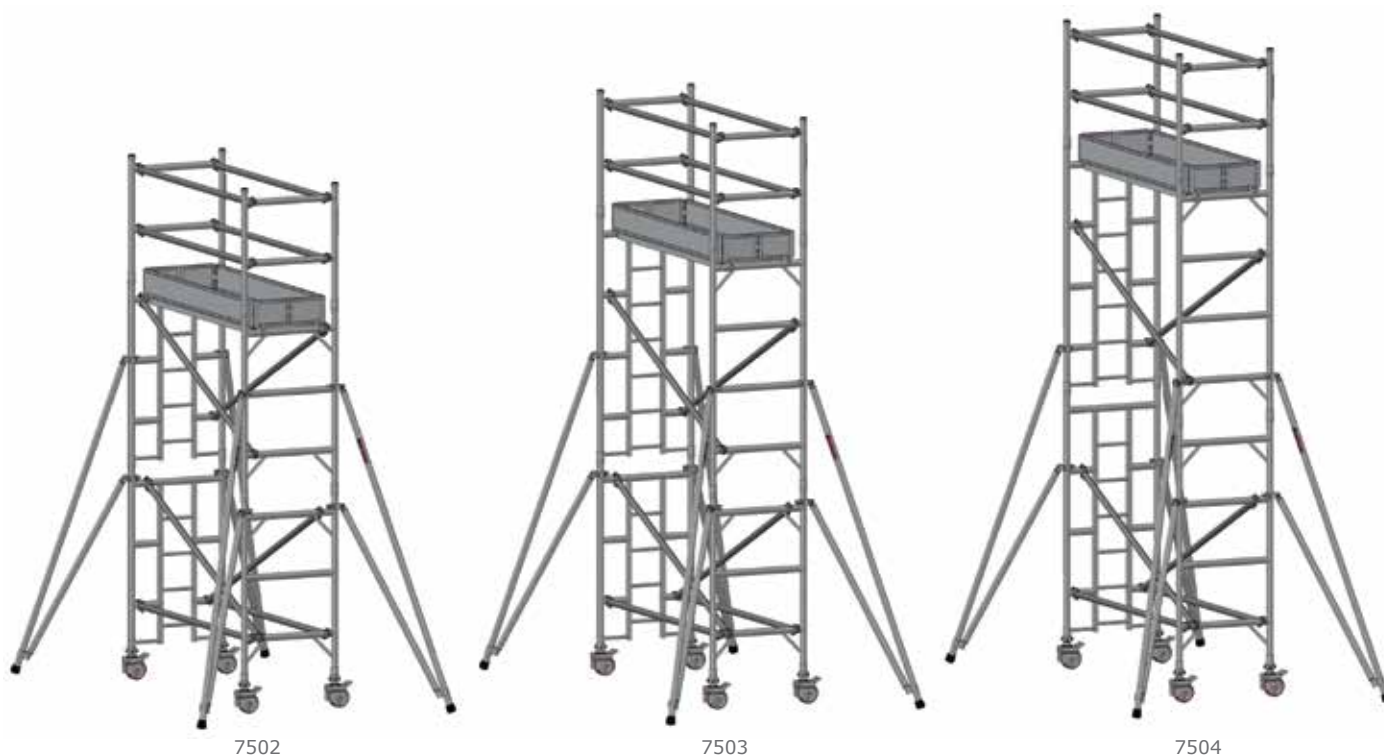
Put the horizontal handrails into position at 1 m and 0.5 m from the level of the planks to complete the side protection.

Assemble the **perimeter toeboard** so that lower nipples are between the plank's hooks. Lastly, the middle plank can be removed, after having descended the tower.



CONFIGURATIONS OF THE 075 SERIES

- Maximum work height: **6.23 m** (for greater heights, please consult our Technical Department).
- Working surface area: 0.75 x 2 m = 1.5 m² (option 0,75 x 3 m = 2,25 m²)*
- Working load: 2kN /m² (Class 3) , EN 1004:2006.
- Instruction manual in compliance with EN 1298:1996.
- Stabilization using fixed stabilisers.



075 SERIES - CHARACTERISTICS	7502	7503	7504
WORKING HEIGHT (m) (*)	5.29 (4.90)	5.76 (5.37)	6.23 (5.84)
SCAFFOLD HEIGHT (m) (*)	4.29 (3.90)	4.76 (4.37)	5.23 (4.84)
PLANK HEIGHT (m)(*)	3.29 (2.90)	3.76 (3.37)	4.23 (3.84)
WEIGHT (kg)	122.5	125.3	128.1

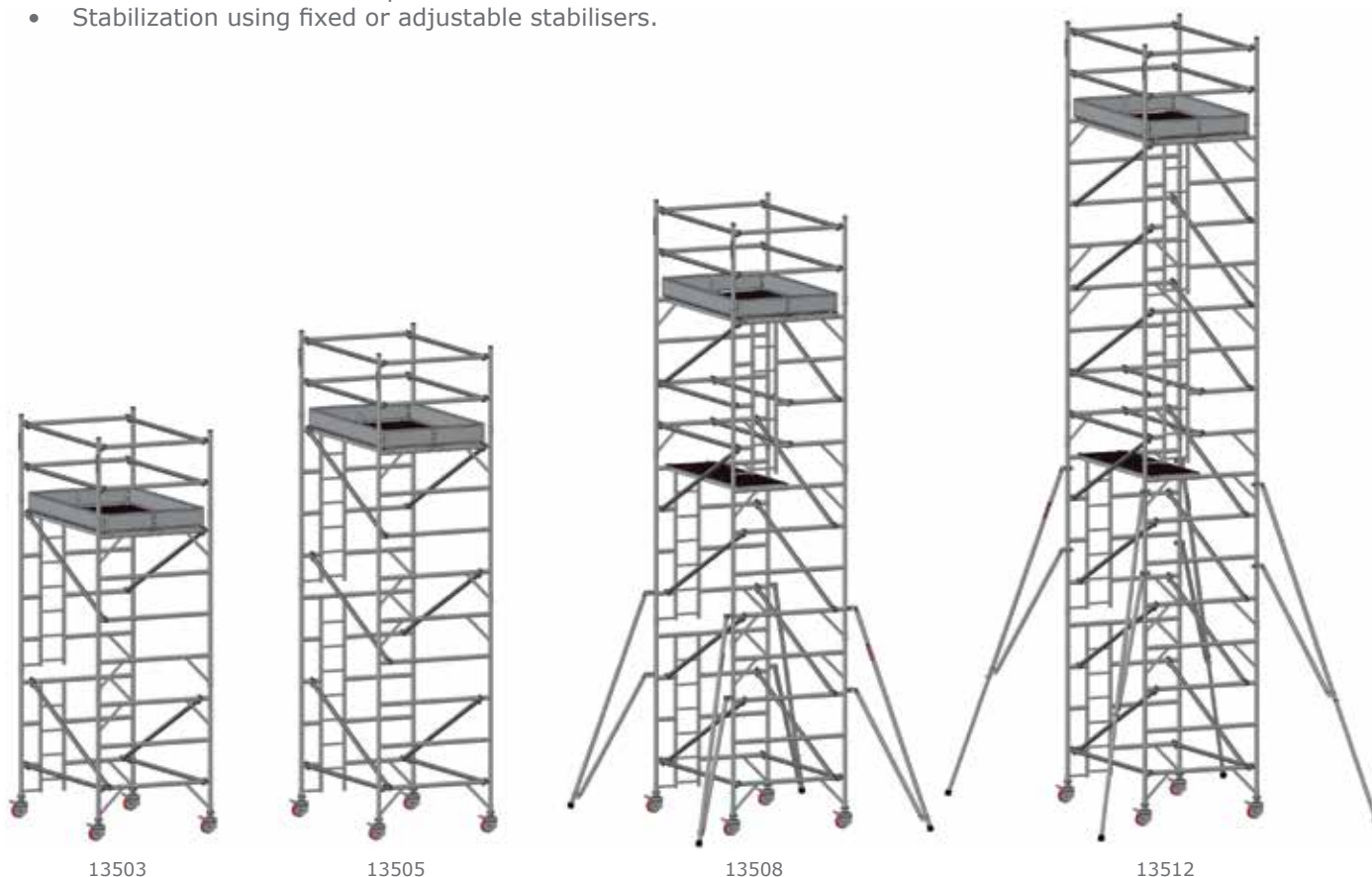
(*) Heights with the caster spindle fully extended and, in brackets, the height with the caster spindle fully retracted.

OVERVIEW OF 075 SERIES TOWERS				
COMPONENT	REFERENCE	7502	7503	7504
FRAME 750 x 1392 (AL)	510075139	2	1	-
LADDER FRAME 750 x 1392 (AL)	511075139	2	1	-
FRAME 750 x 1856 (AL)	510075185	-	1	2
LADDER FRAME 750 x 1856 (AL)	511075185	-	1	2
GUARDRAIL 750 x 945 (AL)	512007594	2	2	2
HORIZONTAL BRACE 2000 (AL) *	513000200	6	6	6
DIAGONAL BRACE 2205 (AL) *	514000220	4	4	4
ACCESS PLANK 2000 x 610 (AL) *	515120061	1	1	1
TOEBOARDS 610 x 1950 (AL) *	516061195	1	1	1
CASTER 150 x 50 (AL)	517000155	4	4	4
FIXED STABILISER 2570 (AL)	518000257	4	4	4

* POSSIBILITY OF 3 METRES LENGTH.

CONFIGURATIONS OF THE 135 SERIES

- Maximum work height: **9.94 m** (for greater heights, please consult our Technical Department).
- Working surface area: 1.35 x 2 m = 2.7 m² (**option 1,35 x 3 m = 4,05 m²**)*
- Working load: 2kN /m² (Class 3) , EN 1004:2006.
- Instruction manual in compliance with EN 1298:1996.
- Stabilization using fixed or adjustable stabilisers.



135 SERIES - CHARACTERISTICS	13503	13505	13508	13512
WORKING HEIGHT (m) (*)	5.76 (5.37)	6.69 (6.30)	8.09 (7.70)	9.94 (9.55)
SCAFFOLD HEIGHT (m) (*)	4.76 (4.37)	5.69 (5.30)	7.09 (6.70)	8.94 (8.55)
PLANK HEIGHT (m)(*)	3.76 (3.37)	4.69 (4.30)	6.09 (5.70)	7.94 (7.55)
WEIGHT (kg)	129.2	142.9	213.0	247.5

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

OVERVIEW OF 135 SERIES TOWERS					
COMPONENT	REFERENCE	13503	13505	13508	13512
FRAME 1350 x 1392 (AL)	510135139	1	-	-	-
LADDER FRAME 1350 x 1392 (AL)	511135139	1	-	-	-
FRAME 1350 x 1856 (AL)	510135185	1	1	3	4
LADDER FRAME 1350 x 1856 (AL)	511135185	1	1	3	4
FRAME 1350 x 2320 (AL)	510135232	-	1	-	-
LADDER FRAME 1350 x 2320 (AL)	511135232	-	1	-	-
GUARDRAIL 1350 x 945 (AL)	512013594	2	2	2	2
HORIZONTAL BRACE 2000 (AL) *	513000200	6	6	10	10
DIAGONAL BRACE 2205 (AL) *	514000220	4	6	10	14
FIXED PLANK 2000 x 610 (AL) *	515020061	1	1	1	1
ACCESS PLANK 2000 x 610 (AL) *	515120061	1	1	2	2
TOEBOARDS 1220 x 1950 *	516122195	1	1	1	1
CASTER 150 x 50 (AL)	517000155	4	4	4	4
FIXED STABILISER 2570 (AL)	518000257	-	-	4	-
ADJUSTABLE STABILISER 2600 - 3200 (AL)	518260320	-	-	-	4

* POSSIBILITY OF 3 METRES LENGTH.



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V.06-2012

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

DCM 49



MULTIPURPOSE



ACCESSORIES



Product manufacturer: Dacame S.L. · Product design: Dacame, S.L. · Graphic design: Dacame, S.L. · Production: Dacame, S.L.

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