



#### Single Width (0.85m)

Available in 2 Lengths: 1.8m & 2.5m

The tower comprises the minimum possible multi-purpose components, no separate ladders or guardrail frames are necessary. All frames can be used as uppers or lowers simply brace your platform on the third rung below the top of the tower and the correct guardrail height is achieved.



The Euro 500 Alegro Tower conforms and is approved to BS EN 1004

MAX SAFE WORKING LOAD FOR STRUCTURE: **750KG**

MAX SAFE WORKING LOAD FOR PLATFORM: **250KG**



# GENERAL SAFETY RULES

## Before You Start

- Familiarize yourself with these instructions paying attention to these safety notes before you use the equipment supplied. Mobile towers may only be assembled and dismantled by persons familiar with these instructions.
- You will require the following Personnel Protective Equipment (PPE) to help avoid personal injury, Hard Hat, Safety Gloves, Safety Shoes or Boots.
- Inspect the individual components to ensure that they are not damaged and that they function properly. Damaged components shall not be used. Only use genuine Euro Towers components with this tower, incorrect components shall not be used.
- Check the quantity of components supplied corresponds correctly to the kitting list of the tower height you are planning to build. Do not start assembly if you do not have the correct number of components. Do not use any tower that has missing or damaged parts or has not been properly assembled.
- Check the surface on where you are going to assemble the tower is clear of excessive debris and can support the weight of the tower, equipment and persons to be on the tower. Do not assemble the scaffold tower on unstable ground such as drain grates, covers or duct covers or objects such as loose bricks, boxes or blocks.
- Check for overhead hazards such as power lines. Do not assemble a tower near un-insulated, live or energised electrical machinery or circuits, or near machinery in operation.
- Euro Towers recommend a minimum of 2 persons to build this tower system. For taller towers you may require additional persons.
- Mobile Scaffold Towers are not designed to be lifted or suspended by a crane or any other lifting device.

## Inspection, Maintenance and Transport

- Regularly inspect the individual components to ensure that they are not damaged and that they function properly. Damaged components shall not be used and shall be removed from use. Damaged components should be replaced, sent for repair or be destroyed.
- Inspect all tubes on frames, stabilizers and braces for dents, cuts and holes, damaged equipment should not be used. Check all joints for cracked welds and that they are secure.
- Inspect brace hooks, check the clicker works freely, and that the hook is not distorted from abuse. Check the brace is not bent out of shape.
- Inspect platforms for damage to the decking and fixings, and that (if fitted) trapdoors open and close freely. Check the aluminium framework for damage and weld condition, look out for cracked welds due to overloading. Check the hooks are not distorted from abuse.
- Inspect stabilizer couplers tighten and can be loosened freely, ensure rubber foot is in securely fitted and not worn out, check for adjusting pins on telescopic stabilizers are fitted and secured.
- Inspect castors, checking that the wheel turns and spins freely, that the brake engages and stops the wheel from spinning and that the wheel has no flat spots.
- Inspect the adjustable leg threads are clean from burrs and the nut run freely up and down the thread. Check the nut housing for abuse or missing nodules.
- Light oil or a lubricating spray may be used to free up jammed clickers, castors, adjustable leg nuts, trapdoor hinges and latches.
- When transporting the components do not use excessive strapping forces when securing the load, this may distort components if not done properly.

Further information on inspection and maintenance can be found on Euro Towers Inspection Posters.  
For further safety information or downloading instructions call Euro Towers or visit our website.

## Assembly & Dismantling

- All components should be passed up or down by hand where possible, where this is not possible use a suitable material for lifting (e.g. Heavy, corded rope) and sufficient not ties (e.g. Hitch knot or Timber Hitch). Do not use mechanical hoists.
- Always climb the inside of the tower using the ladders provided. Never climb up the outside on any tower.
- If outside be aware of adverse weather or windy conditions. Be aware of changes to the environment in which you are using your tower that could make it unsafe.
- Do not lean ladders against the tower or climb the outside of the tower, only ascend and descend via the supplied access system from inside the tower, use the trapdoor for access.

## Safe Use

- Should you require additional platform height, add further components. Never extend your adjustable legs to achieve extra height, these are for levelling only. Never use a ladder or other objects on the platform to achieve additional height.
- Before use, check that all components listed have been used in the tower in the correct position.
- Be aware of imposing side loads onto your tower by the work you are carrying out, such as the use of power tools or high-pressure jets. The maximum side load allowed is 20Kg.
- Do not exceed the safe working load of the platform or structure by accumulating debris, material or tools on platforms as these can be a significant additional load. Loads must be evenly spread and not block trapdoors.
- It is not permissible to attach and use hoisting facilities on towers, unless specifically provided for by Euro Towers Ltd.
- Never climb on horizontal or diagonal braces. Do not gain access or descend from the working platform other than by the included access system. Never jump on to or off platforms.
- Guardrails and Toeboards must be fitted to working platforms.
- It is not permissible to attach bridging sections between a scaffold tower and a building.

## Stability

- Ensure that the scaffold tower is always level and the adjustable legs are engaged. Check that you have taken all necessary precautions to prevent the tower being moved or rolling away. Always apply all castor brakes or use base plates.
- Ensure that the scaffold tower is within the maximum platform height as stated, and that the appropriate stabilizers are fitted.
- A scaffold tower must not be used or moved in winds stronger than 7.7 meters per second. Beaufort scale 4. (17mph).
- If the wind speed is likely to get up to or exceed 25mph the tower should be tied to a suit adjacent structure, if no structure is available you must dismantle the tower completely before it is exposed to these strong winds.
- When moving a tower plan the route, remove all persons and equipment from the tower, walk the route checking that the ground can take the weight of the tower and looking out for obstructions and hazards on the ground and overhead. If you have any doubt about the route dismantle the tower and re-assemble in the new required location.
- To move a tower safely, adjust the top clamp of the stabilizers and lift the rubber foot no more than 25mm from the ground, release the braked wheels and push the tower at normal walking speed to the required position. Once in position reapply brakes, level tower and reposition all stabilizer feet to ensure firm contact with the ground. The maximum height you can move a tower is 4.2m platform
- Ballast weights can be used where it is not possible to fit the required stabilizers. They must be solid materials and cannot be granular or liquid, they must be secured to the tower and placed as low down as possible, this can be on extra platform(s). Stabilizers or Ballast weights must be used when stated in the kit list. For further information on the use of Ballast Weights contact your supplier or Euro Towers Ltd.

# KITTING LIST

Euro Alegro 500 1.8m & 2.5m Single Width Tower Kit List																								
PLATFORM HEIGHT WORKING HEIGHT OVERALL TOWER HEIGHT		1.2m 3.2m	1.7m 3.7m	2.2m 4.2m	2.7m 4.7m	3.2m 5.2m	3.7m 5.7m	4.2m 6.2m	4.7m 6.7m	5.2m 7.2m	5.7m 7.7m	6.2m 8.2m	6.7m 8.7m	7.2m 9.2m	7.7m 9.7m	8.2m 10.2m	8.7m 10.7m	9.2m 11.2m	9.7m 11.7m	10.2m 12.2m	10.7m 12.7m	11.2m 13.2m	11.7m 13.7m	12.2m 14.2m
PARTS LIST																								
K5CR	Castor	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
KALA	Adjustable Leg	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
ASP2	2 Rung Plain Frame		1	1			1	1			1	1			1	1			1	1			1	1
ASL2	2 Rung Ladder Frame		1	1			1	1			1	1			1	1			1	1			1	1
ASP3	3 Rung Plain Frame		1		1		1		1		1		1		1		1		1		1		1	
ASL3	3 Rung Ladder Frame		1		1		1		1		1		1		1		1		1		1		1	
ASP4	4 Rung Plain Frame	1		1	1	2	1	2	2	3	2	3	3	4	3	4	4	5	4	5	5	6	5	6
ASL4	4 Rung Ladder Frame	1		1	1	2	1	2	2	3	2	3	3	4	3	4	4	5	4	5	5	6	5	6
ALT1/ALT2	1.8m and 2.5m Trap Platform	1	1	1	1**	2	2	2	2*	2*	2*	3	3*	3*	3*	4	4*	4*	4*	5	5*	5*	5*	6
ALH1/ALH2	1.8m and 2.5m Horizontal Brace	6	6	6	6	10	10	10	10	10	10	14	14	18	14	18	18	18	18	22	22	22	22	26
ALD1/ALD2	1.8m and 2.5m Diagonal Brace	2	3	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
SKS1	Standard Stabilizer			4	4	4	4	4	4	4														
ALST	Telescopic Stabilizer									4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
ATS1/ATS2	1.8m and 2.5m Toeboard Set	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TTBC	Teal Toeboard Clip	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		TOWER WEIGHT (KGS)																Internal use only						
TOWER WEIGHT (KGS) 2m		71	78	98	104	115	139	128	151	157	171	198	204	210	218	245	251	257	265	293	300	305	313	340
TOWER WEIGHT (KGS) 2.5m		78	86	105	112	143	151	158	164	170	184	216	223	229	236	268	275	281	288	320	327	333	341	373
Temporary Platform* temp position/move to rung					1**				1 → 5	2 → 10	3 → 11		1 → 9	2 → 10	3 → 11		1 → 9	2 → 10	3 → 11		1 → 9	2 → 10	3 → 11	
Total no. of rungs in tower		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

## BASE SET UP

You must get your base set up correct in order to achieve safe guardrail heights.

## PLATFORM POSITIONS

Temporary platforms are used to achieve correct working heights; reposition them when dismantling.

## ASSEMBLY PICTURES

The pictures are for illustrative purposes only. 2 rung base frames build the following towers: 2.2m; 4.2m (shown); 6.2m; 8.2m; 10.2m; 12.2m.

## PERSONNEL REQUIRED

Euro towers recommend a minimum of 2 people to build this tower system.

## DISMANTLING NOTES:

Remove the Guardrail Braces by disengaging all 4 hooks at the end away from the trapdoor, and then from a sitting position through the trapdoor disengage the remaining hooks to remove the braces completely before descending through the trapdoor platform.

Disengage Windlock clips to remove platforms.

Do not throw equipment down, this may damage it or injure someone.

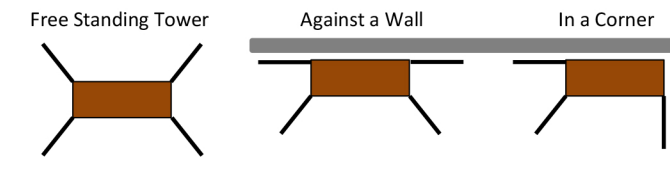
**ALWAYS TAKE CARE OF ALUMINIUM SCAFFOLD TOWER EQUIPMENT. REMEMBER YOUR SAFETY DEPENDS ON THE SAFE ASSEMBLY, DISMANTLING AND USE OF THE EQUIPMENT. RESPECT IT, GRAVITY ONLY NEEDS ONE CHANCE!**

## STABILIZERS

Stabilizers increase the EFFECTIVE BASE dimensions and improve the STABILITY of the tower. Position the stabilizers symmetrically to obtain the MAXIMUM BASE DIMENSION.

PLATFORM HEIGHTS	MAXIMUM HEIGHT	STABILIZER TYPE
1.2m	2.2m	NONE
2.7m	5.2m	STANDARD
5.7m	12.2m	TELESCOPIC

Stabilizers must be used for all platform heights of 2.2m and above at all times.



When moving a tower plan the route and be aware of hazards both on the ground and up above, adjust the top clamp of the stabilizers and lift the rubber foot no more than 25mm from the ground, release the braked wheels and push the tower to required position. Once in position reapply brakes, level tower and reposition all stabilizer feet to ensure firm contact with the ground.



# SINGLE WIDTH ASSEMBLY GUIDE



1. Insert the castors into the adjustable legs. Insert 2 legs and castors into each 2 rung frame.



2. Fit one horizontal brace on the plain side of the frames to the vertical of the frames above the 1<sup>st</sup> rung connecting the 2 frames together.



3. Fit another horizontal brace on the ladder side of the frames face down onto the 1<sup>st</sup> rung.



4. Fit the next set of frames onto the base, ladder frames run continuously. **Note:** see kitting page for frame lists.



5. Add 4 diagonal braces from the 1<sup>st</sup> to 3<sup>rd</sup> and 3<sup>rd</sup> to 5<sup>th</sup> rungs as shown, level the tower using a spirit level as a guide. The scaffold must be vertical in both planes within an inclination of 1%.



6. Fit the 4 stabilizers supplied with your tower. **Note:** Always fit 4 stabilizers unless building in a corner, inner stabilizers fit parallel to a wall. See kit list for correct size required to build your tower.



7. Fit a trapdoor platform to the 4<sup>th</sup> rung, trapdoor to the ladder end. **Note:** Platforms are positioned every 4 rungs



8. Climb the ladder inside the tower and sitting through the trapdoor fit 4 horizontal braces face down onto the 1<sup>st</sup> and 2<sup>nd</sup> rung above the platform to form your guardrails, as shown.

# EURO 500 SINGLE WIDTH ASSEMBLY GUIDE



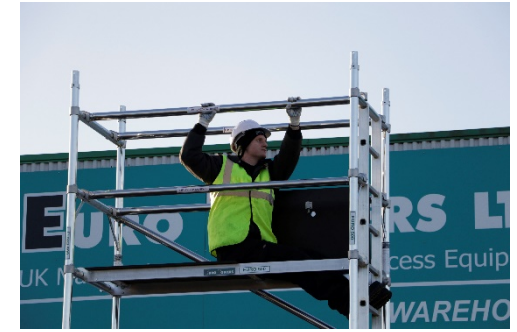
9. Standing on the platform, add a set of 4 rung frames, ladders run in a continuous pattern.



10. Add diagonal braces continuing the pattern from the previously fitted braces. **Note:** The odd diagonal brace is fitted to the side nearest the ladder. Repeat steps until working height is achieved.



11. Fit the trapdoor platform 4 rungs above the one you are standing on. **Note:** There must always be 2 rungs clear above any platform so you can fit safe guardrail braces.



12. Climb the ladder inside the tower and sitting through the trapdoor fit 4 horizontal braces face down onto the 1<sup>st</sup> and 2<sup>nd</sup> rung above the platforms to form your guardrails as shown.



13. Fit the toeboard clips to the rung next to the corners of the platforms and then fit the toeboards as shown. **Note:** Any gap between the platform board and toeboard must not exceed 25mm.



4 rung bases set up the following towers:  
**1.2m; 3.2m; 5.2m; 7.2m; 9.2m; 11.2m**



5 rung bases set up the following towers:  
**1.7m; 3.7m; 5.7m; 7.7m; 9.7m; 11.7m**



7 rung bases set up the following towers:  
**2.7m; 4.7m; 6.7m; 8.7m; 10.7m**



For further help, guidance or information on this or other products please contact

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