

EURO TOWERS LTD

UK Manufacturer of Aluminium Access Equipment

SINGLE WIDTH 232 (NARROW RUNG) 3T INSTRUCTION MANUAL



The 232 Tower Approved to the requirements of BS EN 1004

MAX SAFE WORKING LOAD FOR STRUCTURE: 750KG
MAX SAFE WORKING LOAD FOR PLATFORM: 250KG

GENERAL SAFETY RULES

1. Check instructions before use. Mobile access working towers may only be assembled and dismantled by persons familiar with these instructions for safe use.
2. Do not use any scaffold tower which is damaged, which has not been properly assembled, which is not firm and stable, and which has any missing or damaged parts.
3. Do not assemble a scaffold tower on unstable ground or objects such as loose bricks, boxes or blocks. Only a sound rigid footing must be used.
4. 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.
5. Ensure that all frames, braces and platforms are firmly in place and that all locking hooks are functioning correctly. Ensure that all frame locking clips are engaged. If any missing, replace them.
6. Ensure that the scaffold tower is within the maximum platform height stated, and that the stabilizers are fitted and adjusted appropriately.
7. Outdoor scaffold towers should, wherever possible, be secured to a building or other structure. It is good practice to tie in all scaffold towers of any height, especially when they are left unattended, or in exposed or windy conditions.
8. A scaffold tower must not be used in winds stronger than 7.7 meters per second. Beaufort scale 4. Be cautious if assembling or using the tower in open places, such as hangers or unclad buildings. In such circumstances the wind forces can be increased, as a result of the funnelling effect.
9. Do not use sheeted towers.
10. Do not assemble or use a scaffold tower near un-insulated, live or energised electrical machinery or circuits, or near machinery in operation.
11. If an overhead hazard exists, head protection should be worn.
12. Do not lean ladders against the tower, or climb the outside of the tower. Whatever your intended access system, it should only be used inside the tower.
13. Never climb on horizontal or diagonal braces. Do not gain access or descend from the working platform other than by the intended access system.
14. Do not work from ladders or stairways, they are a means of access only.
15. Guardrails and toeboards must be fitted to all working platforms.
16. Never jump on to or off platforms.
17. 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.
18. If you must move a tower, remove all materials and personnel. When moving a scaffold tower, force must always be moved from the base. The tower should only be moved manually on firm, level ground which is free from obstacles. Normal walking speed should not be exceeded during relocation. The ground over which a tower is moved should be capable of supporting the weight of the structure.
19. 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.
20. It is not permissible to attach and use hoisting facilities on towers, unless specifically provided for by the manufacturer.
21. It is not permissible to attach bridging sections between a scaffold tower and a building. Refer to the tower manufacturer.
22. ALWAYS TAKE CARE OF ALUMINIUM SCAFFOLD TOWER EQUIPMENT. REMEMBER YOUR SAFETY DEPENDS ON THE SAFE ASSEMBLY AND USE OF THE EQUIPMENT. RESPECT IT.

MAINTENANCE RULES

1. Ensure that the scaffold tower is kept clean, especially the spigots and sockets. These should fit together with ease and be secured by an interlock clip.
2. Check frames and braces, adjustable legs and boards for paint, grit, burrs etc. Remove any foreign substance with a light wire brush. Check no slip hazards exist on the platform.
3. Where brace, ladder and platform hooks attach the frames, ensure that the frame rungs are kept clean.
4. Ensure that all locking hooks function correctly. If necessary lubricate with light oil.
5. The inside diameter of all hooks should be kept clean to ensure they fit to other components without being forced.
6. If in any doubt about the proper use and maintenance of the scaffold tower equipment, consult the manufacturer.
7. Do not misuse or abuse the scaffold tower with heavy objects, hammers etc. Do not throw components in and out of vehicles or to the ground when the tower is being dismantled. Such abuse may reduce the structural integrity of the scaffold tower.
8. Under no circumstances use a scaffold tower which damaged, has not been properly assembled, is it not rigid and which has any missing parts.

REMEMBER YOUR SAFETY DEPENDS ON THE SAFE ASSEMBLY AND USE OF THIS EQUIPMENT. RESPECT IT.

USE OF 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 HEIGHT	MAX HEIGHT	STABILIZER TYPE
0.83M	1.41M	NONE
1.88M	4.66M	STANDARD
5.13M	7.91M	TELESCOPIC

Due to general tower rigidity it is recommended that the maximum platform height of a single width tower is 8.0m unless the tower is tied in. For information on single width towers over 8.0m contact Euro Towers Ltd.

For further information on tying in please refer to Pasma Guidance Note Tying Mobile Towers www.pasma.co.uk

EURO 232 SINGLE WIDTH 3T KITTING GUIDE

WORK HEIGHT	3.41m	3.88m	4.34m	4.81m	5.27m	5.73m	6.20m	6.66m	7.13m	7.59m	8.05m	8.52m	8.98m	9.45m	9.91m
OVERALL TOWER HEIGHT	2.66m	3.13m	3.59m	4.06m	4.53m	4.98m	5.45m	5.91m	6.38m	6.84m	7.30m	7.77m	8.23m	8.70m	9.16m
PLATFORM HEIGHT	1.41m	1.88m	2.34m	2.81m	3.27m	3.73m	4.20m	4.66m	5.13m	5.59m	6.05m	6.52m	6.98m	7.45m	7.91m
Parts List															
CASTOR	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
ADJUSTABLE LEG	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
6 RUNG FRAME		4	2			4	2			4	2			4	2
8 RUNG FRAME			2	4	2	2	4	6	4	4	6	8	6	6	8
10 RUNG FRAME	2				2				2				2		
DIAGONAL BRACE	2	2	4	4	4	4	6	6	6	6	8	8	8	8	10
HORIZONTAL BRACE	6	6	6	6	10	10	10	10	14	14	14	14	14	18	18
TRAPDOOR PLATFORM	1	1	2	2	2	2	2	2	3	3	3	3	3	4	4
STANDARD STABILIZER		4	4	4	4	4	4	4							
TELESCOPIC STABILIZER									4	4	4	4	4	4	4
TOEBOARD ASSEMBLY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOWER WEIGHT (Kgs)															
2m WEIGHT	69	89	108	118	123	128	132	135	147	151	177	180	185	189	194
2.5m WEIGHT	78	98	121	133	138	142	147	150	162	166	198	201	206	210	215
3m WEIGHT	85	133	133	146	151	158	161	166	176	180	218	221	226	231	236

BASE SET UPS

WORKING PLATFORM	BASE FRAME	NEXT FRAME	FURTHER FRAMES**	PLATFORM RUNG POSITIONS
1.41m / 3.27m / 5.13m / 6.98m	10 RUNG	8 RUNG	8 RUNG	5* 13 21 29
1.88m / 3.73m / 5.59m / 7.45m	6 RUNG	6 RUNG	8 RUNG	7* 15 23 31
2.34m / 4.20m / 6.05m / 7.91m	6 RUNG	8 RUNG	8 RUNG	2* 9 17* 25 33
2.81m / 4.66m / 6.52m	8 RUNG	8 RUNG	8 RUNG	3* 11 19 27
*REPOSITION PLATFORMS WHERE REQUIRED **SEE USING ALTERNATIVE FRAMES NOTE				

PLEASE NOTE: continue assembly repeating steps 9 – 12 until working height is achieved. Always ensure that guardrails are in place for each level to prevent falls. All Guardrails must be fitted pushing from inside to out onto a frame vertical above the 2nd and 4th rung above each platform.

*Reposition where required during assembly and dismantling.

MAXIMUM VETICAL DISTANCE BETWEEN PLATFORMS MUST NOT EXCEED 4M.

Fig 1

BASE SET UP: You must get your base set up correct in order to achieve safe guardrail heights on rest/work platforms. Safe guardrails require 5 rungs above every platform.

PLATFORM POSITIONS: Fit platforms every 8 rungs. Temporary platforms enable safe assembly, if temporary platforms are used in assembly they must be repositioned during dismantling.

ALTERNATIVE FRAMES AND BRACE PATTERN: Where 2 x 8 Rung Frames are stated, these can be replaced by 1x 10 Rung and 1 x 6 Rung frames. Diagonal braces should be in a continuous pattern from rung to rung except where interrupted by a rest platform, diagonal braces can be stepped up/down 1 rung.

These changes do not compromise the Towers Structural Integrity.

EURO 232 SINGLE WIDTH 3T ASSEMBLY GUIDE



1. Insert legs and castors into each frame.
NOTE: 6 rung frames are base frames only. See stock Utilization if more than 1 set of 6 rungs are issued with the tower.



2. Fit 2 horizontal braces to the vertical member of the frames, as low as possible, above the 1st rung and lock the castors.



3. Add next set of frames and engage the interlock clips. Level the structure using a spirit level as a guide by adjusting the leg nuts as required.



4. Fit 2 diagonal braces to the 5th rungs running in opposite directions to make a cross joining the 2 sets of frames.



5. Fit temporary* trapdoor platform onto the 2nd rung (if required).
NOTE: the 1st permanent platform position is on rung 9, if you can safely reach this from the ground proceed to step 6



6. Secure stabilizers as low down as possible to increase tower stability, adjust according to the guide for larger towers or to overcome obstacles.



7. Standing on the first platform (if fitted) position the next platform onto the same rung as the diagonal braces.



8. Remove temporary platform (if fitted) and fit 2 diagonal braces to the bottom runs running in opposite directions to complete the base.

EURO 232 SINGLE WIDTH 3T ASSEMBLY GUIDE



9. Access internally through the trapdoor and sitting on the fixed deck with your feet on the rungs below, fit the mid and top handrails to form a safe guardrail to the vertical tube above the 2nd and 4th rungs.



10 Add next set of 8 rung frames and engage the interlock clips.



11. Fit 2 diagonal braces running in opposite directions starting from the rung in between the guardrail braces.



12. Fit next trapdoor platform 1 rung above where the braces end.



13. REPEAT STEPS 9 – 12 UNTIL REQUIRED PLATFORM LEVEL IS ACHIEVED.

14. Fit toeboards in position ensuring trapdoor opens freely.



ALTERNATIVE BASE SET UPS

DIFFERENT HEIGHT TOWERS MAY USE AN ALTERNATIVE BASE SET UP. CHECK AGAINST THE KIT LIST TO DETERMINE THE BASE SET UP OF YOUR TOWER



ALTERNATIVE BASE SET UPS

ONCE YOUR BASE IS SET UP FOLLOW STEPS 9-14 TO COMPLETE YOUR TOWER SAFELY.

Dismantling is the reverse of assembly. Never throw or drop equipment, pass it down by a suitable means.

REMEMBER YOUR SAFETY DEPENDS ON THE SAFE ASSEMBLY AND USE OF THIS EQUIPMENT. RESPECT IT.

Manufactured To a TUV Certified ISO 9001:2008 Quality Control System

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