

# 232 Tower 3T - Double Width Instruction Manual

Please ensure that all parts are present before assembly

## GENERAL SAFETY RULES

Check instructions before use. Mobile access working towers may only be erected and dismantled by persons familiar with these instructions for erection use.

Do not use any scaffold tower which is damaged, which has not been properly erected, which is not firm and stable, and which has any missing or damaged parts.

Do not erect a scaffold tower on unstable ground or objects such as loose bricks, boxes or blocks. Only a sound rigid footing must be used.

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 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.

Ensure that the scaffold tower is within the maximum platform height is stated, and that the appropriate stabilizers are fitted.

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.

A scaffold tower must not be used in winds stronger than 7.7 meters per second. Beaufort scale 4. Be cautious if erecting 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.

Do not use sheeted towers.

Do not erect or use a scaffold tower near un-insulated, live or energised electrical machinery or circuits, or near machinery in operation.

If an overhead hazard exists, head protection should be worn.

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.

Never climb on horizontal or diagonal braces. Do not gain access or descend from the working platform other than by the intended access system.

Do not work from ladders or stairways, they are a means of access only. Guardrails and toeboards must be fitted to the working platforms.

Never jump on to or off platforms.

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.

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.

Should you require additional platform height, add further frames. 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.

It is not permissible to attach and use hoisting facilities on towers, unless specifically provided for by the manufacturer.

It is not permissible to attach bridging sections between a scaffold tower and a building. Refer to the tower manufacturer.

**ALWAYS TAKE CARE OF ALUMINIUM SCAFFOLD TOWER EQUIPMENT. REMEMBER YOUR SAFETY DEPENDS ON THE SAFE ERECTION AND USE OF THE EQUIPMENT. RESPECT IT.**

## MAINTENANCE RULES

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.

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.

Where brace, ladder and platform hooks attach the frames, ensure that the frame rungs are kept clean.

Ensure that all locking hooks function correctly. If necessary lubricate with light oil.

The inside diameter of all hooks should be kept clean to ensure they fit to other components without being forced.

If in any doubt about the proper use and maintenance of the scaffold tower equipment, consult the manufacturer.

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.

Under no circumstances use a scaffold tower which damaged, has not been properly erected, is it not rigid and which has any missing parts.

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

## USE OF STABILISERS

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

Maximum platform heights for free standing towers are based on the base to height ratio of 3:1 outdoors and 3.5:1 indoors. When moving a tower with stabilizers the height to base ratio must not exceed 2.5:1.

Opt. Base Dimension	Max Heights	Stabiliser Type
Double Width	2.34 mtr	None
4.20 mtr	5.13 mtr	Standard
4.90 mtr	10.23 mtr	Telescopic
5.40 mtr	12.10 mtr	Large

## ASSEMBLY & DISMANTLING NOTES

### BASE SET UP

Please ensure the base set up is correct in order to maintain assembly. 6 rung frames are to be used as base frames only

### PLATFORM REPOSITIONS

Correct platform levels enable safe working levels

Repositioned platforms must be fitted with safe guardrails including top and midrails.

Safe guardrails require 5 rungs above each platform at all levels.

### BRACE POSITIONING

If a platform impedes a diagonal brace it is permissible to reposition it up/down one rung without effecting the structural integrity of the tower.

Never omit a diagonal brace from the structure.

Diagonal bracing ends on the rung on or below the working platform, no diagonals run past the working platform on an Euro Tower.

The Assembly pictures are for illustrative purposes only; the tower set up is that of 4.20m to aid Pasma Training. Other tower sizes may have different base set ups.

### DISMANTLING PROCEDURE

Dismantling is the reverse of assembly.

Do not throw equipment down.

Remove toeboards before handrails.

Disconnect the guardrail braces from the far end and then from a sitting position through the trapdoor remove the guardrails.

Do not remove the guardrails whilst standing on the platform, this would leave you at risk.



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These assembly pictures are for illustrative purposes only. For other tower heights, please refer to the base guide on the previous page.



Insert Castors and adjustable legs into frames.



Fit 2 horizontal braces to the vertical member of the frame as low down as possible.



Fit in 2 diagonal braces, starting at the bottom rung on opposing sides.



Add 2 frames, after adding any frames always engage the interlock clips



Lock Castors and level the tower, Insert diagonal braces in a regular pattern opposing each other as illustrated.



Put platform on the 9th rung.



Fit stabilizers at this point



From the sitting position, through the trapdoor (3T Method) Fit horizontal braces as mid rails and guardrails to the vertical member, Hooks facing outwards.



Stand on platform board, Fit 2 diagonal braces from the 2nd rung above board, opposing each other.



Fit 2 more frames.



Insert Diagonal Brace



Fit platform on the 6th rung above the board you're standing on. Repeat the 3T procedure until the final height is reached



At the final height, from the sitting position, through the trapdoor (3T Method) Fit horizontal braces as mid rails and guardrails to the vertical member, Hooks facing outwards.



Fit Toeboards

Dismantling is the reverse except when dismantling the mid rail and guardrail braces.

Unclip the far end hooks and then from a sitting position through the trapdoor (3T Method) remove the braces

Do not remove the mid rail and guardrails whilst standing on the platform, this would leave you at risk



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