

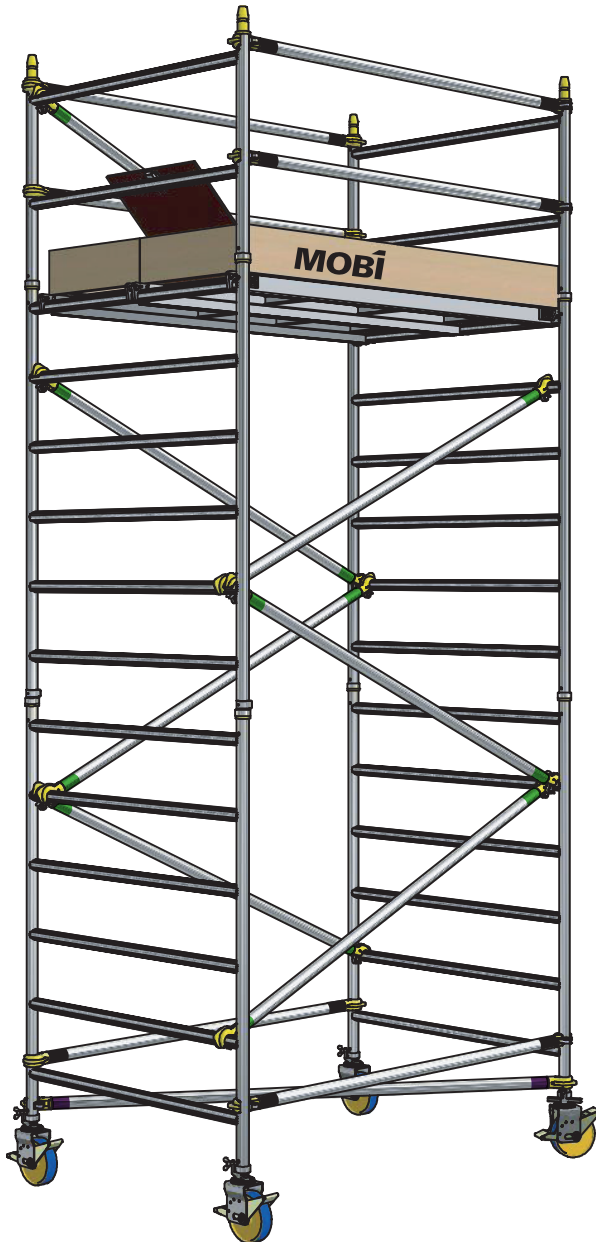


Reach it the **easy** way

# MOBĪ SCAFFOLD SYSTEMS

## OPERATIONAL SAFETY AND ASSEMBLY INSTRUCTIONS FOR MOBĪ ALUMINIUM SCAFFOLD TOWER WITH SNAPLOCK COMPONENTS

### MOBĪ ALUMINIUM SCAFFOLD TOWER



Users of an **Easy Access MOBĪ Scaffold Tower** - Please read the following instructions carefully and do not erect or use the scaffold until the instructions have been read and understood.

We strongly suggest that users be familiar with and follow the '**Standard for Scaffolding**' AS/NZS 1576.1-6:2010. This is available from **Standards Australia** and **NZ**.

Further information is available in the SARNZ publication; '**Best Practise guidelines for Scaffolding in NZ**', also [www.workcover.nsw.govt.au](http://www.workcover.nsw.govt.au) and [www.dol.govt.nz](http://www.dol.govt.nz).

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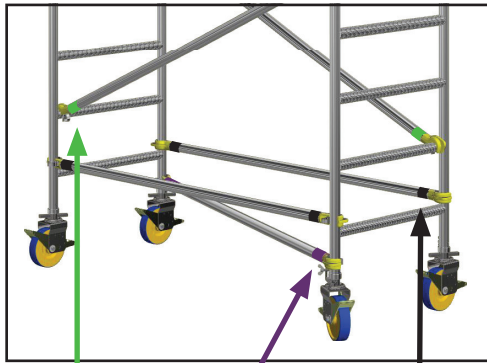
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# MAINTENANCE

All MOBI towers and components must be checked regularly for damage such as dents, cracks, buckling and the like. If found the MOBI component must not be used. Damaged components are easily replaced, and must be so before further use. Contact your supplier.

## COMPONENTS

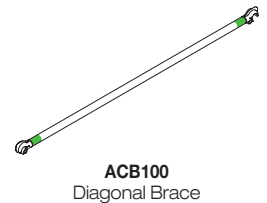
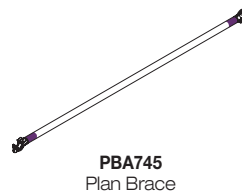
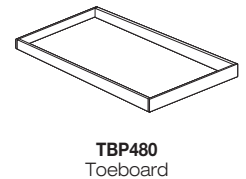
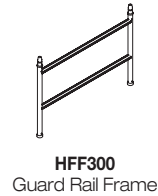
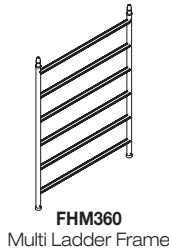
### COLOUR CODING



**GREEN**  
Diagonal  
Bracing

**PURPLE**  
Plan Brace

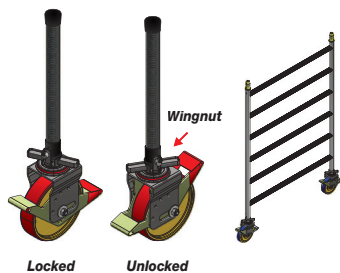
**BLACK**  
Ledgers,  
Handrails,  
Midrails



## ASSEMBLY INSTRUCTIONS - FOR MOBI TOWERS

### STEP 1:

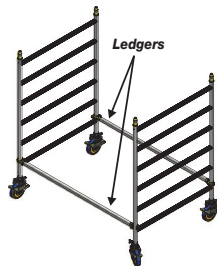
Attach Casters to the two Base Frames and tighten Wingnuts. Casters should be Locked.



### STEP 2:

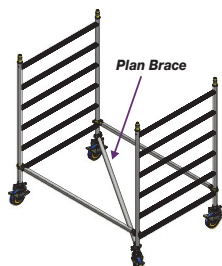
Fit black coded Ledgers to vertical Standards immediately above the lowest transom as shown. One on each side of the Frame with Grasper hooks facing outwards. These will hold the Frames upright while other bracing is attached.

Note; ensure the locking hooks on each grasper are fully engaged.



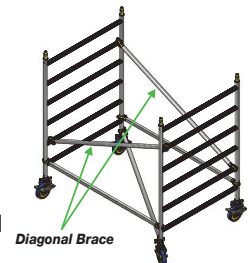
### STEP 3:

Fit Red coded Plan Brace on diagonally opposite corners of the tower immediately above the collars on the frame.



### STEP 4:

Fit one end of a green coded Diagonal Brace to the second transom up from the base of one frame. Fit the other end of the brace to the second transom down from the top of the opposite frame. The brace should be positioned immediately inside the vertical frame members on one side.



Repeat the process for a second diagonal brace on the opposite side. The braces must be installed at opposing angles to each other as shown.

### STEP 5:

Install platforms side by side on the applicable frame transom (cross member). If extra frame lifts are to be added, install the platforms on the top transom as shown. This will assist in the erection of the upper frames. Ensure the base is level on both planes by adjusting Caster Screw Jacks.



Note: single width frames will only have one access platform included.

## STEP 6:

**Follow these directions where the tower is to be erected higher than a single lift:**

Place the next two Frames on Spigots inserted into the top of the base frames.

Attach Spring Clips through Frame Standards into the groove in the spigot to lock them together.

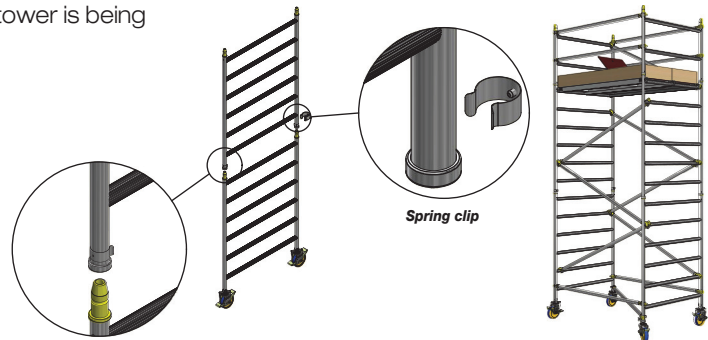
Attach two more diagonal braces to the tower. One end of the braces attach to the same transoms as the lower braces.

Attach the other end of the braces to the relevant transom on the second frame lift as shown.

**Note;** the two braces in this assembly must also be set at opposing angles to each other.

Install a ledger guardrail on each frame side at least 0.9m above the platforms for temporary protection while the tower is being erected.

Raise the platforms to the desired working height or to the top transoms on the second frame lift.



## STEP 7:

If the platforms are supported by either of the top three transoms on the upper frame lift, guardrail frames must be installed.

Guardrail frames fit onto the lower frame spigots as per step 6 and are locked with spring clips.

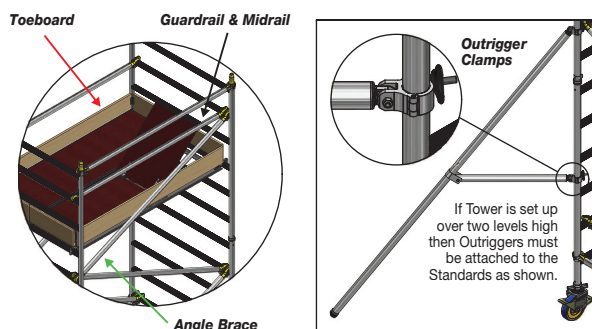
Attach one only angle brace hook immediately adjacent to one of the lower braces and the upper end to the second transom on the guardrail frame as shown.

Attach a guardrail and midrail on the two top transoms of the guardrail frames on both sides of the tower as shown.

A toeboard set must be attached to the platform level on all towers over 2mH or where there is a significant risk of tools or materials being dislodged from the platform.

**Note A:** The procedure above is also completed where a guardrail frame set is attached to the top of the base frame set.

**Note B:** before any tower over 2mH is operated; the working level must be fully decked with platforms. There must be a guardrail attached between 0.9m - 1.1m above the platform level along with midrails on each side of the tower.



There are two outriggers supplied with tower configurations over 2 lifts high as standard. If the tower is to be operated more than 300mm away from a fixed vertical support surface two more outriggers must be attached so that there is one on each corner of the tower.

Outriggers must be positioned to increase the base dimensions as much as practicable with a minimum height to width ratio of 3:1.

## OPERATION

- Ensure castors are and securely braked once the tower is in position.
- Use the height adjustment mechanism on the castors to ensure the tower base is level.
- Ensure outriggers are fitted to increase the base width of the tower if the platform is over 4 metres in height.
- Outriggers must rest firmly on the ground and be fitted to any side of the tower that is not within 300mm of a secure support surface, ie. a wall
- Climb up the ladder and through hatch lid to gain access to the platform maintaining three points of contact at all times while on the ladder.
- Ensure the total load does not exceed 225kgs.
- The tower must only be used on a firm surface that is free of obstructions.

# SAFETY INSTRUCTIONS

DO NOT use the MOBI scaffold tower:

- If the total load will exceed 225 kilograms.
- If the user is affected by alcohol or drugs.
- If any conductors of an overhead electrical power line are less than 4 metres from the tower.
- If any surface where the tower is to be used is not firm or level.
- If the tower is positioned in such a way that the operator could fall more than 1 metre, unless guardrails are fitted.
- Where a fall would result in serious injury unless guardrails are fitted. E.g. protruding reinforcing rods or other hazards near the tower.
- If the tower has not been subjected to regular maintenance checks or is known to be defective.
- When the platforms are greasy or slippery and poor footing results.
- If the user has not had adequate training in the use of the MOBI scaffold system.

## GUARDRAILING

- Guardrail half frames must be used at each end of the tower when the platform is at the top height setting on any frame or the topmost cross member of a frame is less than 900 mm above the platform.
- Guardrail half end frames fit on top of standard MOBI and support clip-on guardrails and mid-rails.
- Clip-on guardrails and mid rails attach to the cross members of the guardrail frame

## OUTRIGGERS

- Outriggers are used to increase the sideways stability of the tower when it is used as a freestanding mobile scaffold with a platform height of 5 meters or over, or to stabilize the side away from an adjacent wall or other rigid structure that is not greater than 300mm away.
- Outriggers are attached to the frame uprights to increase the effective width of the 1.37 metre wide end frames.
- The outrigger end must rest firmly on a hard surface.
- Freestanding towers 5 metres or over in height must be stabilized by attaching outriggers on both sides and at both ends.
- Where a platform is 5 metres above the supporting surface, the outriggers must extend at least 900mm out from the castor support point at 90 degrees to the end frame.
- Where an adjacent wall or rigid structure is more than 300mm away from the tower but less than the specified minimum width of the outrigger, the outriggers on that side should be angled to the end frames to achieve the maximum width possible.
- Wheel locks on the castors must be applied whenever the tower is being used, or is left unattended.
- The tower must not be used outdoors when the wind speed exceeds 40kph. If this situation occurs, and it is not practicable to dismantle the tower, it must be secured against movement or overturning. Apply the wheel locks, ensure that the outriggers are securely attached where fitted and where possible secure it to a rigid structure.
- When the tower is left unattended, other than for a short period, ensure that the securing procedure above is followed.

THANK YOU FOR TAKING THE TIME TO READ THESE INSTRUCTIONS, AND FOR PURCHASING THE EASY ACCESS MOBI MOBILE TOWER.

The manufacturers or supplier will not accept liability for injury or damage resulting from product failure due to misuses, abuse, faulty installation and alteration, lack of reasonable care, lack of adequate training, use not listed under these Operational Safety Instructions or any other failure not related to defects in materials or manufacture.

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