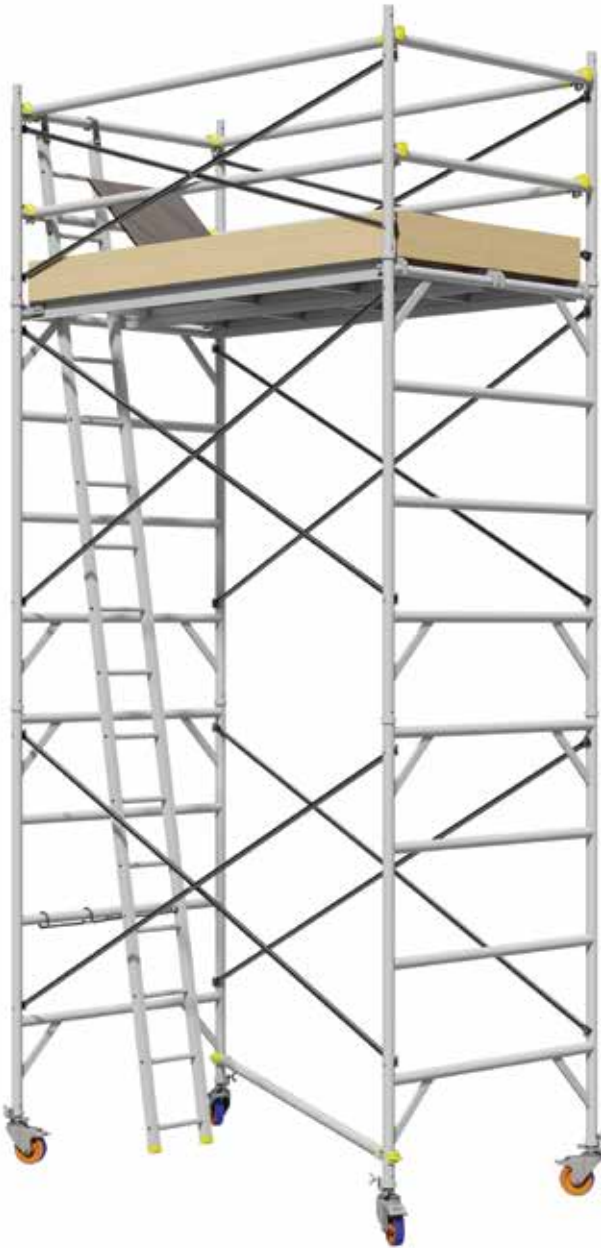




Operational Safety and Assembly Instructions for FMT Mobile Scaffolding



Users of an FMT Scaffold - 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 and www.worksafe.govt.nz



BEFORE YOU START

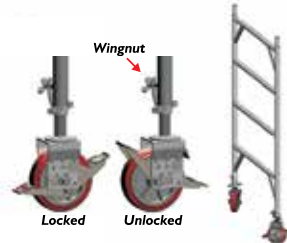
All FMT scaffold towers and components must be checked regularly for damage such as dents, cracks, buckling and the like. If found the FMT component must not be used. Damaged components are easily replaced and must be replaced before further use.



ASSEMBLY INSTRUCTIONS

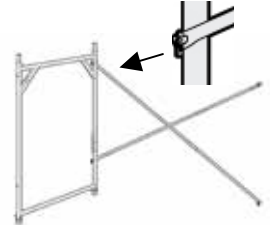
STEP 1:

Attach Casters or base screw jacks to Frame and tighten Wingnuts. Casters should be locked.



STEP 2:

Fix cross-brace to anti-luce latches as shown below. Ensure latches are fastened as soon as bracing is in place.



STEP 3:

Attach second frame to opposite end of cross brace.



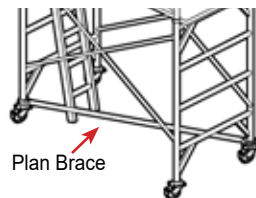
STEP 4:

Attach second cross-brace on the other side of frames to complete the bay.



STEP 5:

Level up tower horizontally using adjustable base plates or castors. If using castors, attach plan brace on opposite corners of tower directly above the collars at the base on the standards, as shown.

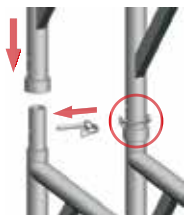


STEP 6:

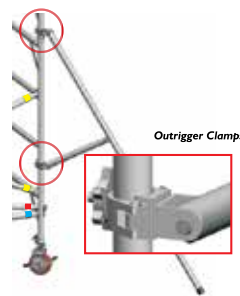
Install Platforms on top transoms of the Frames. This will help when erecting upper frames.

STEP 7:

Ensure tower base is level in both planes by adjusting Caster Screw Jacks. Place next two Frames on Spigots to lock the frames vertically and attach Cross Braces to the anti-luce latches on these Frames. Attach D Clips through Frame Standards. Continue to install Frames and Braces in this manner until the intended height is reached. Install a Ladder to the top of the Tower or two Transoms above the intended Platform height. Install the Hatch Platform and Standard Platform. Install Mid-rails (blue coded Ledgers) on the first Transom above the Platforms and Handrails (blue coded ledgers) on the second Transoms above the Platforms. Install Toe Boards where the platform height is 2.0m or more above the supporting surface or there is a risk of dislodging tools or other materials.



If Tower is set up over two levels high then Outriggers must be attached to the Standards. (see 'outriggers')



Immediately below the Platform/ Handrail/Midrail level only one yellow coded Diagonal Bracing per side is needed. They should slope in opposite directions.

LOADING

FMT aluminium frames can support a medium-duty work platform loading. If this is a requirement it must be specified when purchasing as frame spacing is reduced from 2.4 metres for light-duty to 2.0 metres. This applies when planks are used to create a work platform.

	Maximum loading per level per bay	Maximum Longitudinal frame spacing	Maximum Levels per bay
Maximum loading per	225kg	2.4 metres	7 levels (14 metres)
Maximum loading per	440kg	2.0 metres	3 levels (6 metres)



SAFETY INSTRUCTIONS FOR WALK THROUGH FRAMES

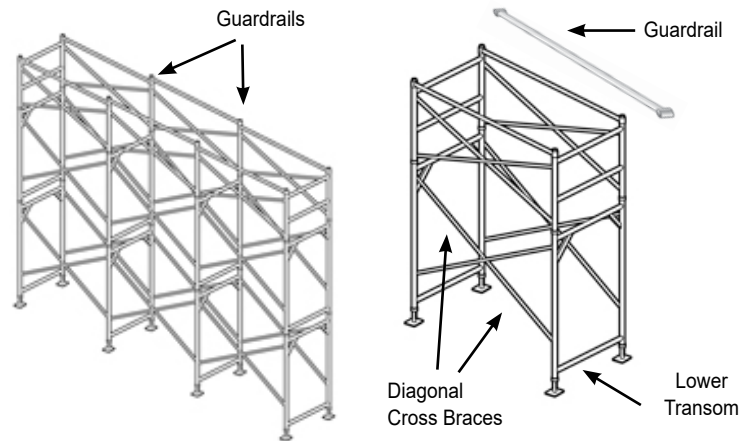
All Work platforms must be decked full width and must be provided with guard railing on exposed ends and sides. Toeboards must be used if there are tools and materials on the platform.

A scaffold plank of 225 mm width may be used as a toeboard.

FMT ½ FRAMES act as end guardrails. The longitudinal cross bracing acts as midrailing and FMT GUARDRAILS must be used above bracing as shown. ½ Frame braces are shorter than full frame braces.

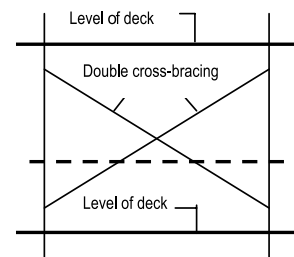
Aluminium tube is available for guard railing on sides and ends, and is attached using FMT SCAFFOLD COUPLERS. The inner edge of the platform is to be as close as practical to the workface, but no greater the 200mm. Any greater distance (gap) between the workface and the inner edge of the platform requires an acceptable means of fall prevention (e.g. guardrails, decking to close the gap, or use a safety harness system.) The outer edge of the platform shall not be more than 200mm horizontally from the erected guardrails.

Cross bracing must not be used to access work platforms. Use a securely tied off ladder, or the FMT STAIR WAY SYSTEM.



When FMT scaffold towers are set up as a multi-bay scaffold FMT GUARDRAIL POSTS must be used to support guardrails and cross bracing mid-rails as shown.

Where FMT scaffold towers are set up to support more than one work platform per bay, the cross-bracing can be used in place of a guardrail. However, a midrail must be fixed to the scaffold 700 mm above the work platform as shown.



OPERATION FOR MOBILE SCAFFOLDS

- Ensure castors are and securely braked once the tower is in position.
- Use the height adjustment mechanism on the casters 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 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 450kgs.
- The tower must only be used on a firm surface that is free of obstructions.

SAFETY INSTRUCTIONS

Ensure that the scaffold tower is level horizontally. Use FMT ADJUSTABLE BASE PLATES to compensate for uneven ground. FMT LOCKING AND HEIGHT ADJUSTMENT CLIPS must be used on all FMT SCAFFOLDING. Ensure that these are in good working order and are properly secured against accidental dislodgement.



EXTRA HEIGHT FRAMES

FMT SCAFFOLD TOWERS (standard width) can be free standing up to two lifts in height. Thereafter, the scaffold must be either tied-off securely to the building, or FMT OUTRIGGERS be incorporated into the system to increase the base width. The base must not be less than 1/3 the height of the tower.

DO NOT use the FMT scaffold tower:

- If the total load will exceed 450 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 FMT 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 H frames 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 caster 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.



DISCLAIMER

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.