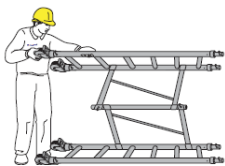
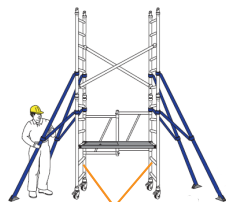


# Assembly Manual- H-Frame Folding Scaffold



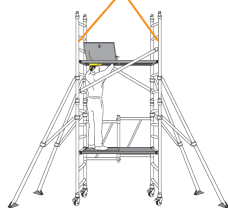
Insert the adjustable wheels into the legs of the frame. Lock the wheels with the lock pins, and brakes.



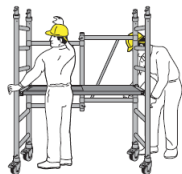
First set ladder frames

Locate the adjustable stabilisers. Fix the upper end of the stabiliser onto the second set ladder frame, & lower end onto the first set ladder frame.

Second set ladder frame



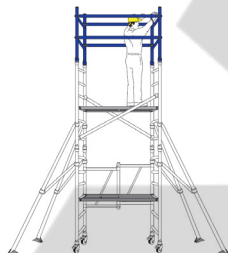
Repeat step 2. Add the platform with hatch on the third rung of second set six rung ladder frame & lock it.



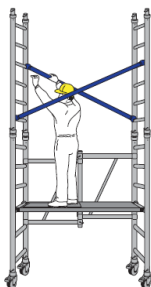
Install the platform on the third rung from the bottom. Inspect the stability of the structure



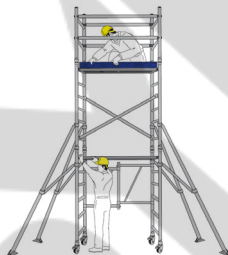
Install the next six rung frame and lock them into the spigot below using the supplied lock pins.



Erect the guard rails on top of the second six rung ladder frames and lock them in. Install the horizontal braces.

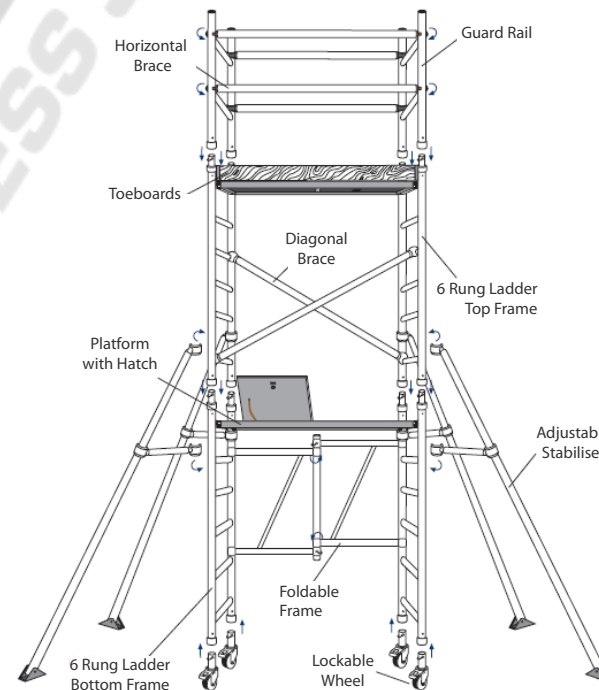


Erect the diagonal braces. Clip diagonal braces onto the lowest rung of the second set six rung ladder frames, clip the other ends onto the opposite frame rung. Ensure to lock them entirely.



Move the platforms with hatch to the top of the first set ladder frame and the second set platform respectively. Fit toeboards to the upper platform.

A typical 3.5m high H-Frame Folding Scaffold.



Ladders omitted for clarity.

**IMPORTANT:** It is the operator's duty to inspect the components for damage before each use. Avoid contact with acid as this will damage the aluminium beyond repair. Avoid leaving the platform out under constant sun's light and rain to prevent delamination. In accordance with Australian Standard 1576 the operator requires a scaffold ticket to erect scaffold above 4 metres standing height.

# Safety Notes - Mobile Scaffold

The following safety notes apply to mobile tower frame scaffolding supplied by Synergy Access Equipment. It is recommended that these Safety Notes be available to the users of the scaffold and read in conjunction with:

- Assembly instructions for the particular mobile tower frame scaffold system;
- Hazard Identification, Risk Assessment and Control Measures for Aluminium Mobile Scaffolding.
- Local Statutory Acts and Regulations, as applicable.

## SAFETY NOTES

**1.** Ensure the scaffold is erected in accordance with the manufacturer's assembly instructions. Persons erecting, modifying or dismantling the scaffold must hold the applicable certificate of competency if:

- a) The scaffold is over 4m in height
- b) The fall height from the scaffold over the edge of a floor or through a penetration is more than 4m in height.
- c) The scaffold involves a cantilever situation.
- d) The scaffold is swing stage.

**2.** Do not use incorrect, incompatible or damaged materials/components. Always inspect the components before use.

**3.** Synergy Access Equipment will provide you with a list of components and an assembly manual to assist you in building the tower frame in a safe and approved manner.

**4.** Ensure that all the components used to erect the scaffold are from the same manufacturer, Synergy Access Equipment issues no permission to mix and match components from other systems or manufacturers.

**5.** Ensure that there is a safe working area for the scaffold. The safest manner is to setup a restricted work-zone where the scaffold is erected.

**6.** Do not erect scaffold closer than 4.0m to electrical power lines. The minimum required distance is state-dependant so check the Statutory Regulations for your state.

**7.** Ensure the scaffold is erected on structurally adequate, solid, and unobstructed foundation. Use sole boards if necessary.

**8.** Always wear gloves and a hardhat while erecting the mobile tower system. Assess your work activity and wear the appropriate personal protective equipment.

**9.** All platforms over 2m in height must have toe boards, guardrails (1m above the deck) and mid rails (500mm above the deck) fitted.

**10.** Do not climb up the outside rungs of the scaffold. Always climb scaffolds from the inside, via ladders.

**11.** Do not use ladders, steps and boxes, or any equipment on top of the working deck to gain extra height/reach.

**12.** When erecting and using, ensure the scaffold is level and in contact with the ground, by adjusting the adjustable castors and outrigger stabilisers.

**13.** Do not exceed the nominated Safe Working Load of the Scaffold, usually 225kg per bay unless otherwise specified by the supplier/manufacturer. If you are unsure of the SWL please contact Synergy Access Equipment for details.

**14.** Do not move the scaffold with persons or materials upon it. Before moving the scaffold assess any overhead obstructions [e.g. powerlines, bridges] & ground obstructions [e.g. pot holes, steps]

**15.** Protect the scaffold from corrosive chemicals such as potash and hydrochloric acids. These substances are highly corrosive to aluminium and will affect the strength of the equipment.

**16.** Do not push against the scaffold in use. If you are using the scaffold to drill and you think you may push against the scaffold, tie the tower in prior to use; otherwise the force may cause instability to the free standing tower.

**17.** When moving the scaffold only apply force by pushing at the base and ensure the tower remains stable and steady during movement. Be aware of obstructions on the ground around the area. Do not push the tower while the brakes are applied.

**18.** Tie the scaffold to a rigid structure in strong wind conditions, do not sheet the scaffold with any materials (Shade cloth, hessian) unless advised by a competent ticketed scaffolder and the scaffold is tied in.

**19.** Do not cantilever tubes off the scaffold to accommodate gin wheels or pulley system for materials handling, this will destabilise the tower and may cause it to collapse.

**20.** Ensure outrigger stabilisers are in position to maintain a height to minimum base width ratio of 3:1.

**21.** Ensure the scaffold is complete and the castor wheels are locked before use.

**22.** Ensure the scaffold is secure against access to unauthorised persons when left unattended.

**23.** Ensure the scaffold is stable and wheels are locked when left unattended.

**24.** When scaffold is incomplete affix a warning sign: "Scaffold Incomplete Do Not Use", and block off entry to unauthorised persons.

### Before Assembling the Tower

**1.** Inspect the tower components to ensure there is no damage to the components.

**2.** Read the assembly manual provided with your tower.

### During Assembly

**1.** Remain cautious of overhead powerlines, remain clear of powerlines by at least 4.0 metres.

**2.** Do not leave the scaffold in an unstable condition unattended.

### Typing in the scaffold

The tower must be tied in where:

**1.** The height of the scaffold is to exceed 3 times the smallest base dimensions if used outdoors or indoors.

**2.** There is a chance of high winds, typically above 45km/h. This may occur in wind tunnel conditions e.g. in large buildings where both ends are open, or in-between the outdoor corridor of two buildings.

**3.** You plan on using a gin wheel or hoist pulley to raise materials over the side of the tower. The assembly of the hoisting equipment must be checked and approved by a competent person.

**4.** The nature of the work involved requires you to apply a horizontal force (e.g. drilling)

**5.** The tower is left unattended.

### Tower Height Limit

The tower height is typically a ratio of 3:1. You may build the tower 3 times the minimum base width.

### Safe Working Loads

Wide Tower: 450 kg per tower (Medium Duty)  
Narrow Tower: 225 kg per tower (Light Duty)  
H-Frame Tower: 225 kg per tower (Light Duty)  
V-Frame Tower: 225 kg per tower (Light Duty)

### Maintenance

**1.** Do not throw the components to the ground as this may damage the parts and render them unserviceable.

**2.** Synergy Access Equipment does not give the purchaser permission to modify the components without authorization from the manufacturer

**3.** Lightly lubricate the castor wheel threads and bolts on the outrigger stabilisers to keep them easy to use.

**4.** If the component is damaged do not use it.

**5.** Synergy Access Equipment components must only be repaired by a qualified person approved by Synergy Access Equipment.

It is your duty to read and understand these Safety Notes before assembling and/or using the scaffold. Synergy Access Equipment does not permit any person to assemble and/or use the scaffold who does not understand the material in the Safety Notes, Safe Assembly Manual, & Local Statutory Regulations. These Safety Notes are to be read in conjunction with Statutory Regulations & the Safe Assembly Manual. If you require further assistance with understanding the instructions, please contact Synergy Access Equipment.