

# 440 SERIES ALUMINIUM TOWER INFORMATION GUIDE

## MOBILE & STATIC

1. **Sole Boards** – must be a minimum of 225mm wide and a minimum of 32mm thick if they are hardwood or 38mm thick if they are softwood (AS1576). Generally they are 500mm long. Actual length is calculated by  $\text{dead load} + \text{live load} \div \text{bearing pressure in kg} \div \text{width of the sole board in metres} = \text{the length in metres}$ .
2. **Screwjacks (adjustable base plates)** – for static (non mobile) scaffolds, screwjacks are placed centrally on top of the sole board. They require 150mm of unthreaded spindle to prevent the nut screwing off and can have up to 600mm of adjustment. Require a minimum base size of 150x150mm and can support a combined dead load and live load of 3030kg.
3. **Base Frames** – 0.7, 1.3, 2.4 or 3.0m long x 1.4 and 1.9m high. The maximum free standing height of a scaffold is dictated by '3 x the least base width', i.e. 1.3m wide = 3.9m to the working platform. The maximum height of a mobile scaffold is 9m with a 3m x 3m base. NB: for scaffolds less than 1.2m wide, the maximum free standing height is '2 x the least base wide' refer to Victorian WorkSafe 'Tower Frame Scaffolds'.
4. **Upper Frames** – 0.9, 1.4 and 1.9m high used to gain extra height on the scaffold. The diagonal bracing must connect the lower and upper frames together, i.e. top rung of base frame to the 2nd rung of the upper frame.
5. **Platforms** – standard and access platforms with a hinged hatch for entry. Each platform has a duty live load of 225kg. Two platforms side by side have a duty live load of 450kg.



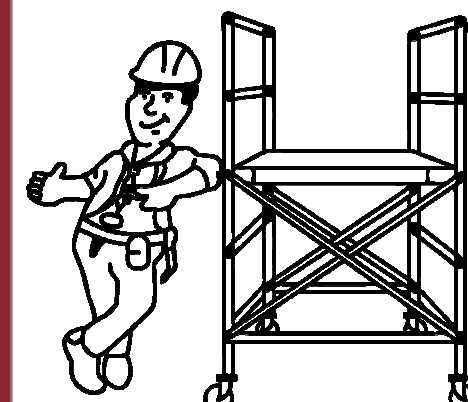
6. **Outrigger Props** – used to increase the base size of the scaffold to increase stability and free standing height. These are part of the modular system. When a scaffold is hard against a workface only two outriggers are used. When a scaffold is in an open work area four outriggers are to be used.
7. **Spigot Connectors** – each upper frame connects to the lower frame via spigots. These are locators only and are not designed to be structural. Do **NOT** rely on spigots for strength (do not hang off frames that are not braced).
8. **Ladders** – must be single, industrial grade and fixed within the framework of the scaffold. They must be pitched at an angle of not less than a ratio of 1:4 and not more than 1:6. They must extend at least 900mm above the work platform and not more than 1.8m above the guardrail. The maximum distance from the surface or platform to the first rung of the ladder should not exceed the distance between the rungs.
9. **Kickboards (toe boards)** – where a person or object could fall more than 2m from the work platform, edge protection in the form of kickboards, a midrail and a guardrail must be provided. Kickboards must extend at least 150mm above the work platform and be secured against movement.
10. **Midrails and Guardrails** – these connect to the inside of the upright of the frames. It is advisable to have guardrails on all scaffolds regardless of the height of the work platform.

11. **Diagonal Braces** – used in opposing pairs either side of the scaffold frame to provide rigidity and tie the upper frame and lower frames together.

## ACCESS SCAFFOLDING

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- TUBE & COUPLER SCAFFOLDS
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- TICKETED & EXPERIENCED SCAFFOLDERS
- FRIENDLY SERVICE



## Do you have a scaffolding licence for the job you're doing?

**To ensure everyone is safe is to ensure they  
have the correct license for their job**

Anyone erecting, dismantling or altering a modular system where a person or object could fall more than 4m requires a Basic Scaffolding Certificate of Competency License to Perform High Risk Work.

For scaffolds with a work platform of less than 4m a person who has Restricted Height training (less than 4m) and has been adequately trained and instructed in that brand of scaffold system may carry out the work.

The Scaffold Tool & Training Company specialises in providing efficient, friendly and fully accredited industry related training. At The Scaffold Tool & Training Company you will find:

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or contact 1300 551 610 NOW**



## Scaffold Pouches & Documentation Books (Handover Certificates)

The OHS (Plant) regulations require an employer to ensure that a scaffold is complete before it is used. It is recommended that you meet this obligation by insisting on a Handover Certificate or Scaff Pouch & Documentation Record Book. Handover Certificates can be down-loaded for free from [www.accessscaffolds.com.au/downloads.html](http://www.accessscaffolds.com.au/downloads.html). Documentation Record Books & Scaff Pouches can be purchased from [www.thescafftoolco.com.au](http://www.thescafftoolco.com.au) or phone **1300 551 610**.

## Inspection

It is recommended that a suitably qualified person carry out ongoing inspections of the scaffold system at intervals not exceeding 30 days.

MAS10-0001

Scaffold Documentation Record	
2501 -	
Site:	
Location:	
Handover Date:	Time:
Scaffolding Company:	
Address:	
Phone:	
Scaffolder's Name:	
Signature:	
Client:	
Address:	
Intended Purpose:	
SCAFFOLD S.W.L. Circle appropriate weight limit.	
Light Duty 225 kg	Medium Duty 450 kg
Heavy Duty 675 kg	
THE SCAFFOLD TOOL & TRAINING COMPANY Scaffolding Training and Assessment 62-64 Glenworthy Street Springvale, Victoria 3171 Ph: 03 9547 8888 Fax: 03 9547 8889 <a href="http://www.accessscaffolds.com.au">www.accessscaffolds.com.au</a> <a href="http://www.thescafftoolco.com.au">www.thescafftoolco.com.au</a> <a href="mailto:enquiries@thescafftoolco.com.au">enquiries@thescafftoolco.com.au</a>	
Scaffold Documentation Record by Competent Person	
Date & Time	Name & Signed
Date: / / 20	Name: Signature:
Time: am/pm	Signature:
Date: / / 20	Name: Signature:
Time: am/pm	Signature:
Date: / / 20	Name: Signature:
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PIN ME UP