



## INTRODUCTION

**Please read this guide carefully.**

Gorilla mobile aluminium scaffolding is a light-weight scaffolding system used throughout the building and construction industry for both indoor and outdoor access solutions where stable and secure platform's are required. Ideal for maintenance and installation work or short-term access, the versatile scaffolding provides a strong working platform for a variety of heights. This User Guide gives you step by step instructions to ensure your system is erected easily and safely, using the 3T(Through The Trapdoor) method.

The law requires that personnel erecting towers must be competent and qualified to do so. Any scaffold that has a platform height over 4.0m must be erected by a licensed scaffolder. Any person erecting Gorilla mobile aluminium scaffolding should have a copy of this guide.

If you need further information, design advice, additional guides or any other help with this product, please contact our customer service at [www.gorillaladders.co.nz](http://www.gorillaladders.co.nz)

## COMPLIANCE

Gorilla mobile aluminium scaffolding has been tested and certified to AS/NZS1576.1/3

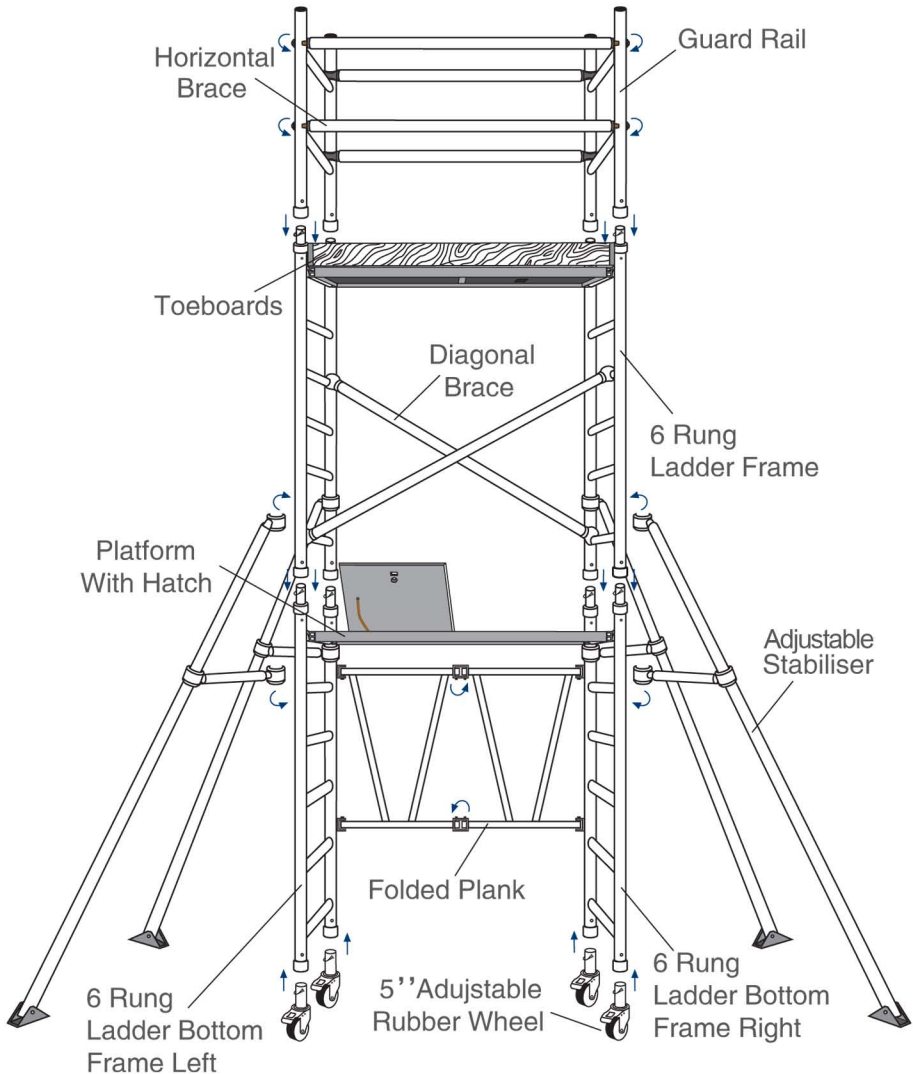
## PREPARATION AND INSPECTION

Inspect the equipment before use to ensure that it is not damaged and that it functions properly.

## SAFETY

Refer to Usage Advice on page 3 and 4.

## Quantity Schedule of Scaffolding 3.5m - refer to page 12



## ERECTION

- Under no circumstances must safety harnesses be attached to the scaffold during erecting or dismantling.
- Check that all components are on site and that they are functioning correctly - See Quantity Schedule of Scaffolding (V Style).
- Check if the ground on which the mobile access scaffolding is to be erected and moved is level, even and capable of supporting the scaffolding.
- The quantity of platforms restricts the safe working load of the scaffold. Per platform unit the safe load is 230kg, uniformly distributed up to a maximum of 230kg per scaffolding (including self weight) at the height of 1.8m. A maximum load of 460kg is permitted over 2 platforms at the overall scaffold height of 3.5m. Overload is unallowed.

## STABILISERS

- Stabilisers should always be fitted when specified. The ground for laying scaffolding must be of solid (i.e. not water or loose sand) and should not be positioned to overload individual legs.
- Adjustable stabilisers should only be used for levelling.

### **Where the Platform height is 1.9m or above Stabilisers must be used**

## MOVEMENT

- The scaffolding should only be moved by manual effort, and only from the base.
- When moving scaffolding, beware of any overhead obstructions including live electrical apparatus, overhead cables or moving parts of machinery.
- No personnel or materials should be on the scaffolding during movement.
- Caution should be exercised when wheeling scaffolding over rough, uneven or sloping ground, taking care to unlock and lock castors. If stabilisers are fitted, they should only be lifted sufficiently above the ground to clear ground obstructions.
- The height of the scaffolding, when being moved, should not exceed 4.0m.

## DURING USE

- Beware of high winds in exposed, gusty or medium breeze conditions. We recommend that in wind speeds over 7.7 metres per second (27 k.p.h.), cease working on the scaffolding. If the wind becomes a strong breeze, expected to reach 11.3 metres per second (40 k.p.h.), tie the scaffolding to a rigid structure. If the wind is likely to reach gale force, over 18 metres per second (60 m.p.h.), the scaffolding should be dismantled.

BEAUFORT WIND SCALE			
FORCE	WIND DESCRIPTION	SPEED IN KPH	GENERAL EFFECT
4	Moderate	20 - 29	Small branches move. Dust, leaves & paper raised.
5	Fresh Breeze	30 - 39	Small trees sway.
6	Strong Breeze	40 - 49	Small branches move. Telephone wires whistle.
7	Moderate Gale	50 - 59	Large trees sway. Walking becomes difficult.
8	Gale Force	60 - 69	Twigs & small branches broken from trees. Walking is difficult.

Beware of open ended buildings which can cause funneling effect.

- Debris netting or plastic sheeting should not be fixed to the scaffolding without consulting your local distributor.
- Do not abuse equipment. Damaged or incorrect components should never be used.
- Raising and lowering components, tools, and/or materials by rope should be conducted within the scaffolding base. Ensure that the safe working load of the supporting decks and the scaffolding structure is not exceeded.
- The assembled scaffolding is a working platform and should not be used as a means of access to other structures.
- Mobile scaffolding is not designed to be suspended - please refer to your supplier for advice.
- Beware of horizontal forces (e.g. power tools) which could generate instability. Maximum horizontal force 20kg.

## ASSEMBLY PRINCIPLES

- To comply with the Work at Height Regulations, we show assembly procedures with platforms at every 2 metres in height, the locating of guardrails in advance of climbing onto a platform to reduce the risk of a fall.
- All platforms feature double guardrails on both faces of either individual platforms or fully decked levels.
- All guardrails should be 1 and 2 rungs (0.5m and 1.0m) above platforms.
- Never stand on an unguarded platform.

## DISMANTLING PRINCIPLES

### TO DISMANTLE GORILLA SCAFFOLDING:

- Remove toeboards, and pass down the scaffolding.
- Unclip farthest end of braces and immediately go to protected trapdoor position on ladder to complete removal.
- Remove upper platforms from protected platform levels below.
- Pass removed components out of the scaffolding to a colleague.

## MAINTENANCE

- All components and their parts should be regularly inspected to identify damage, particularly to welds. Lost or broken parts should be replaced, and any tubing with indentations greater than 5mm should be put to one side for repair.
- Adjustable wheel threads should be cleaned and lightly lubricated to keep them free running.

- Inspect components prior to erection ☐
- ‘Inspection of Scaffolding’ report prior to use ☐
- Scaffolding upright and level ☐
- Wheels locked correctly adjusted ☐
- Guardrails fitted ☐
- Diagonal braces, horizontal braces and bottom brace fitted ☐
- Stabilisers fitted as specified ☐
- Platforms located and windlocks on ☐
- Toeboards located ☐

Refer to this check list before using each time.

### **IMPORTANT NOTE:**

**For platform heights 1.9m and above Stabilisers must be used.**

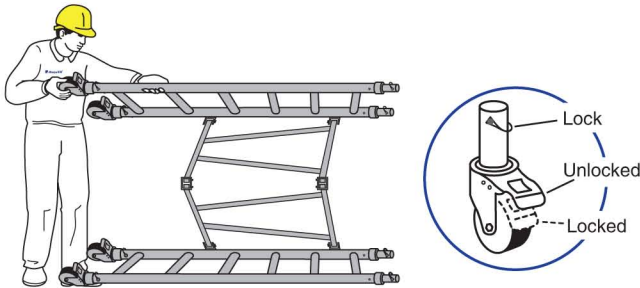
**For platform heights 2.0m and above kickboards must be used.**



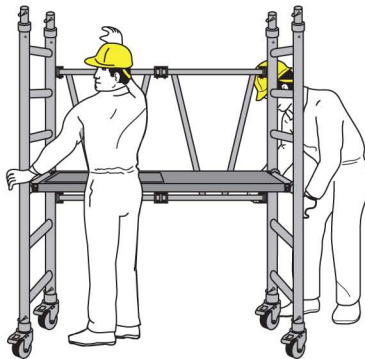
We recommend two persons are used to assemble the Gorilla Scaffolding.

Only climb the Scaffolding from the inside.

- 1 First assemble the folded plank and 6 rung ladder bottom frame (left and right) with the bolt, then push 5" adjustable rubber wheels into folded plank-V style, insert the lock, and tighten it, then inspect the locking situation of the wheel. Use this way to erect the frame.

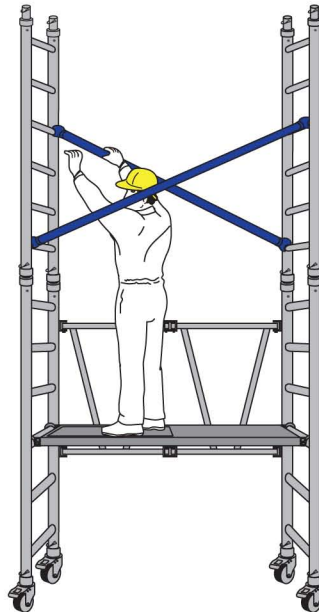
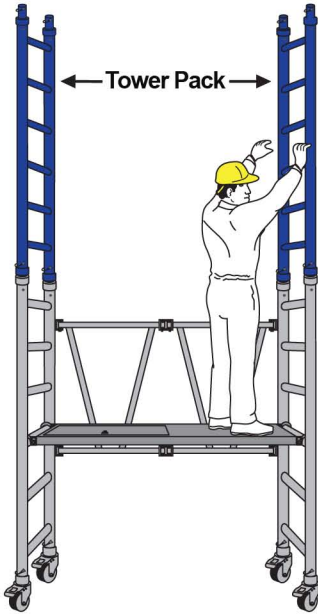


- 2 Open folded plank-V style, lay it on the flat surface vertically, then lock four wheels, also lay platform with hatch on the third rung of 6 rung ladder bottom frame (count from bottom to top), lock it and inspect the stability of the whole structure.



Note: All locking graspers should be primed before use, and released for dismantling or relocation.

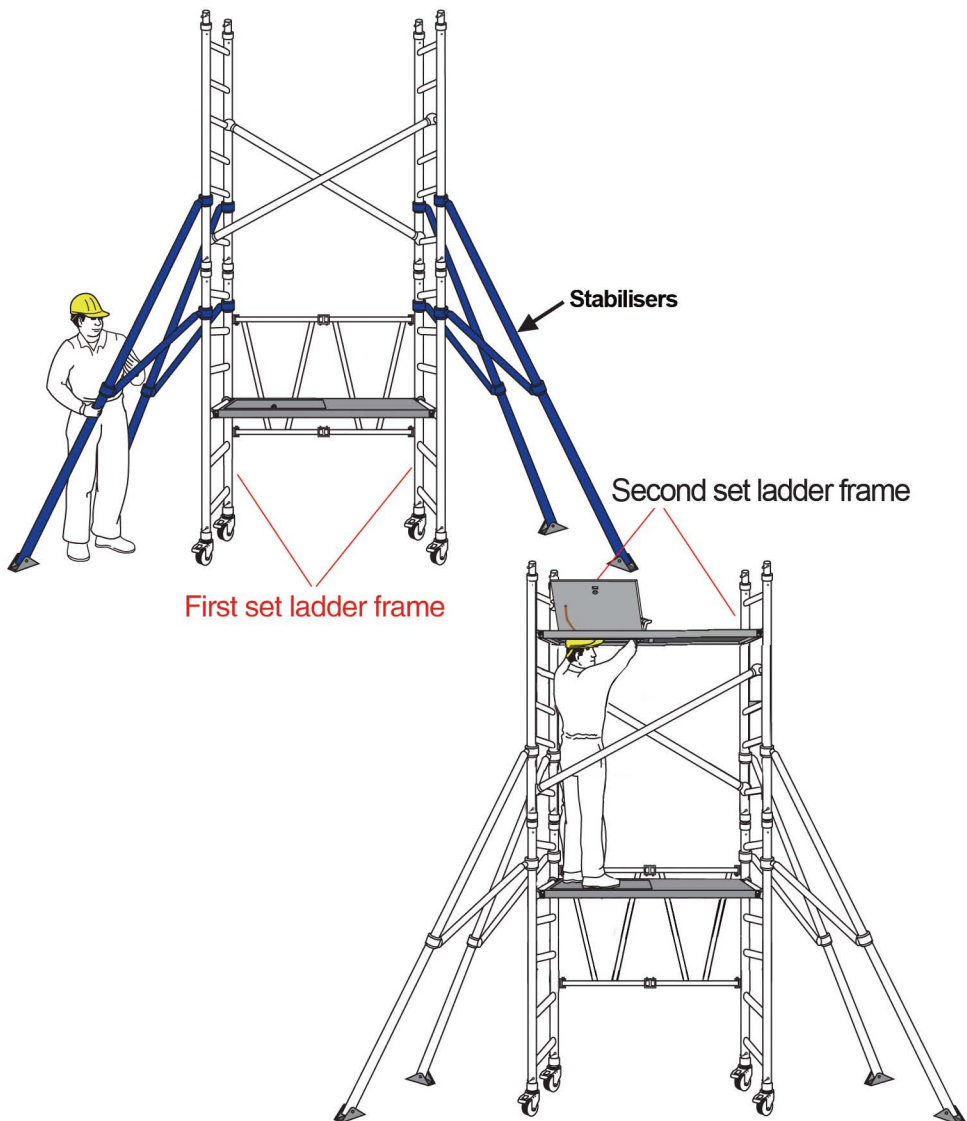
- 3** Erect the secondset frame. Add the secondset 6 rung ladder frame and lock it. During this process, the operator must stand on the center of the platform in order to keep balance.



- 4** Erect the diagonal braces. Clip diagonal braces onto the lowest rung of the secondset 6 rung ladder frames, clip other ends onto opposite frame rung. Frame will now be self-supporting and steady.

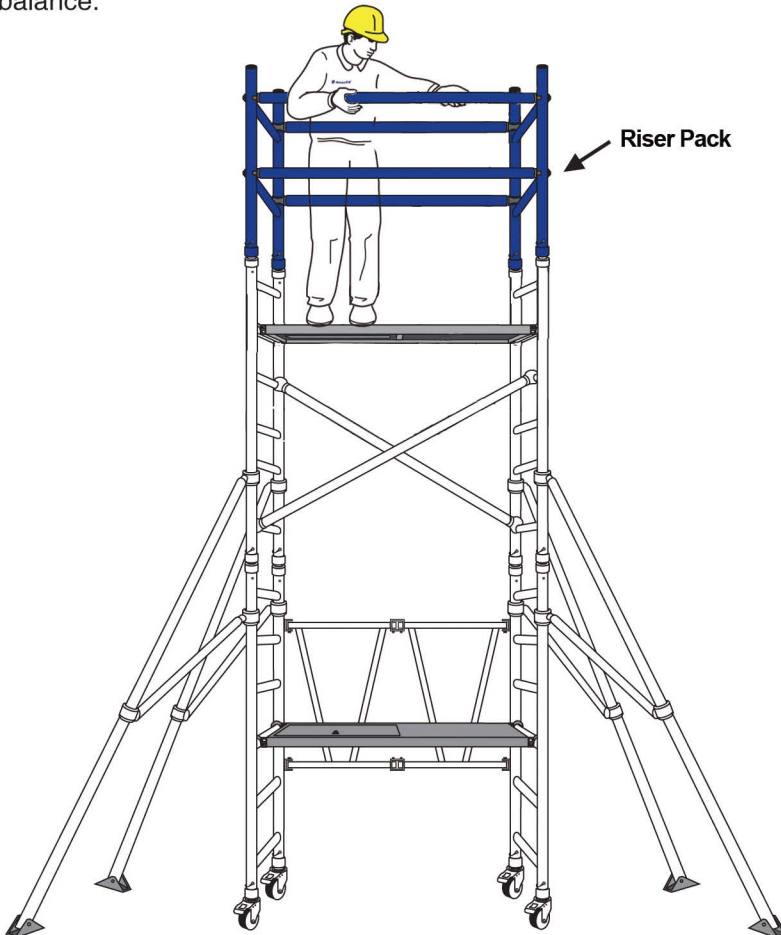


- 5 Locate the adjustable stabilisers. Fixed upper end of stabiliser onto the second set ladder frame, lower end onto the first set ladder frame.

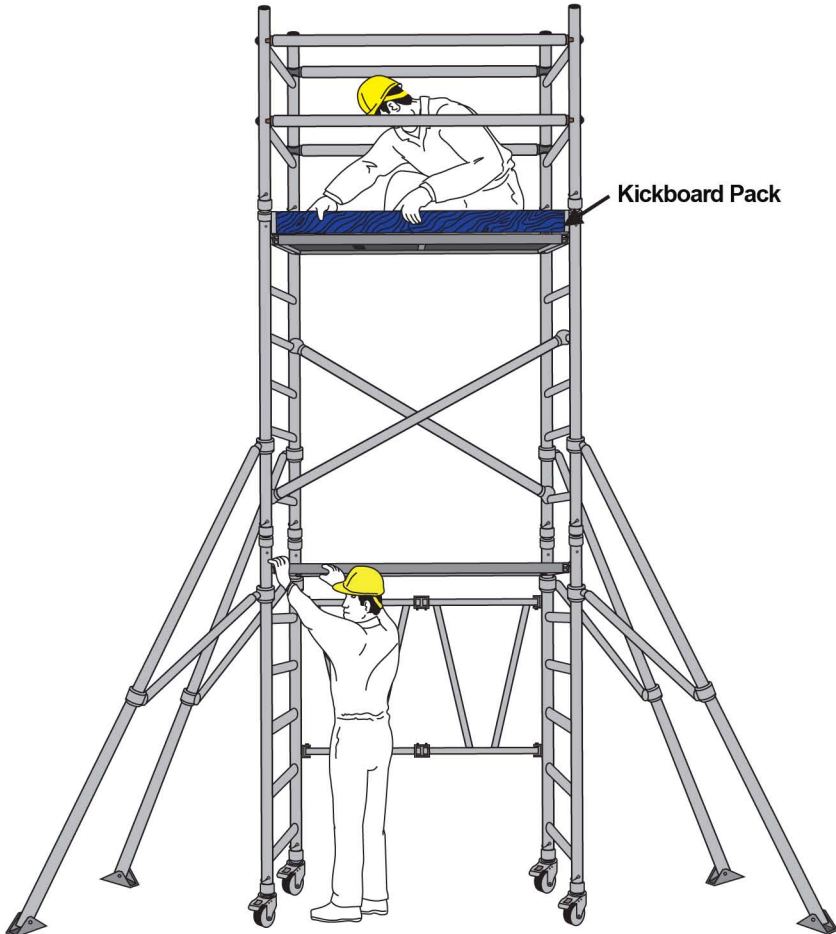


- 6 Repeat Step 2. Add the platform with hatch to the second rung of the second set of the 6 rung ladder frame. Lock the platform.

- 7** Erect the guard rails and horizontal braces, insert guard rails into the top of the frame vertically, then lock it with the lock catch. Clip horizontal braces to one side of the guardrail, grasper towards outside, clip the other ends to the guardrail opposite, make scaffold to be a square. The operator must stand on the center of the platform in order to keep balance.



- 8** Move the platforms with hatch to the top of the first set ladder frame and the second set one respectively.  
Fit kickboards to working platform (the upper platform with hatch).  
The scaffolding (3.5M) is now complete.



## BASE PACK

No.	Description
1	1329x890 End Frame Foldings
1	1782x680mm Six Rungs Left Frame
1	1782x680mm Six Rungs Right Frame
1	1400x600mm Platform with Hatch
4	5" Standard Castor Wheel

## RISER PACK

No.	Description
2	1000x680 Guard rail
4	1400mm Horizontal Brace

## TOWER PACK

No.	Description
2	1782x680mm Six Rungs Frame
1	1400x600mm Platform with Hatch
2	1633 Diagonal Brace

## ACCESSORIES (SOLD SPERATELY)

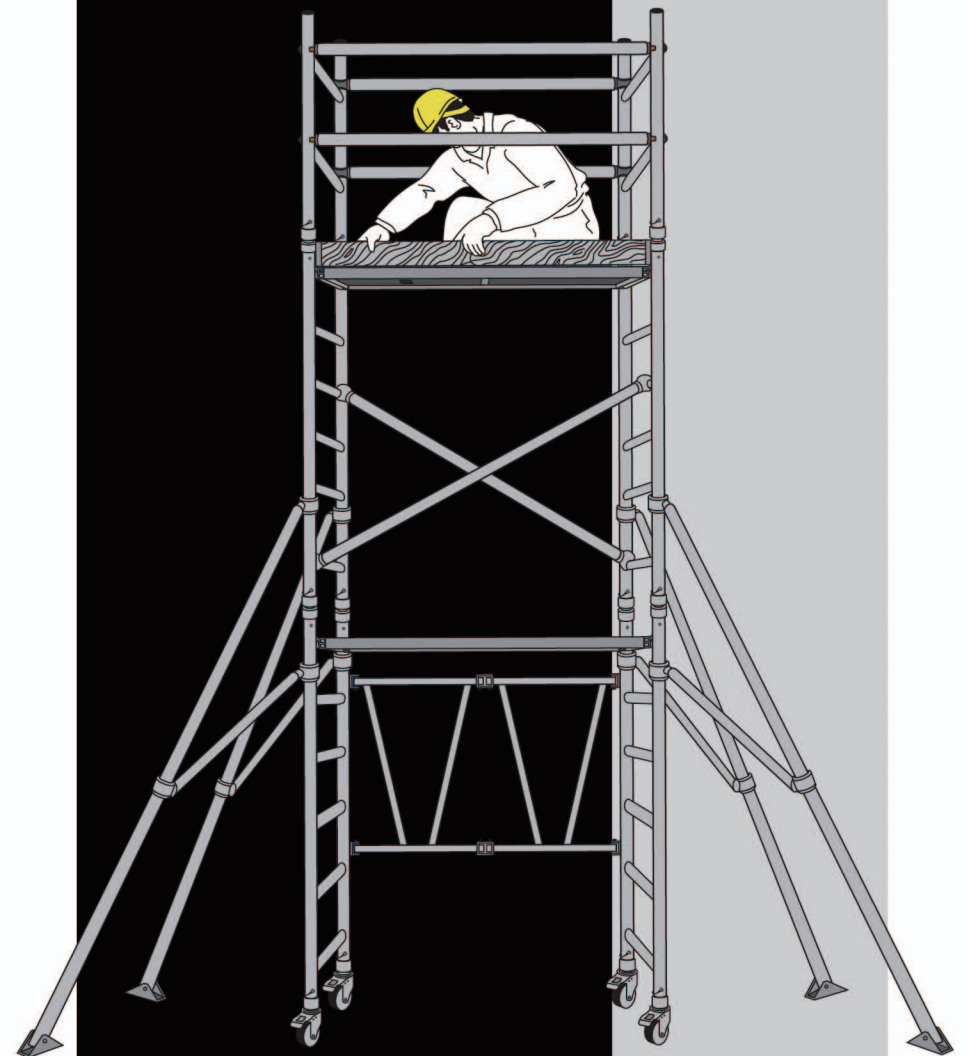
No.	Description
4	6" Adjustable Scaffold Wheels
1	1400*600mm Toe board Set
4	2500x1500x1000mm Stabiliser



For further information on this product or any other products  
please visit [www.gorillaladders.co.nz](http://www.gorillaladders.co.nz)



## Aluminium Mobile Scaffold 3.5m user guide



3T - THROUGH THE TRAPDOOR METHOD

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