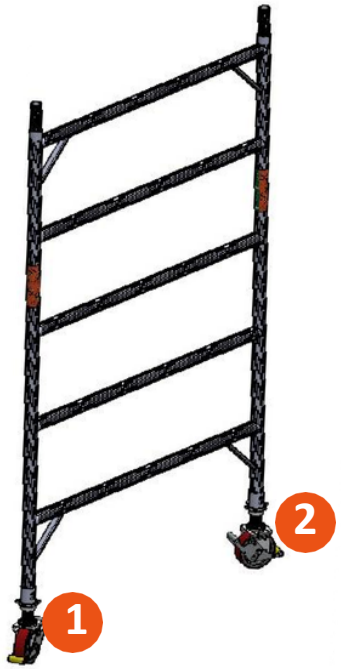
Assembly Manual - D33 Mobile Scaffold

Step 1: Base Frame Setup

Insert castors into the legs of the frame. Lock the wheels with the pins and brakes.

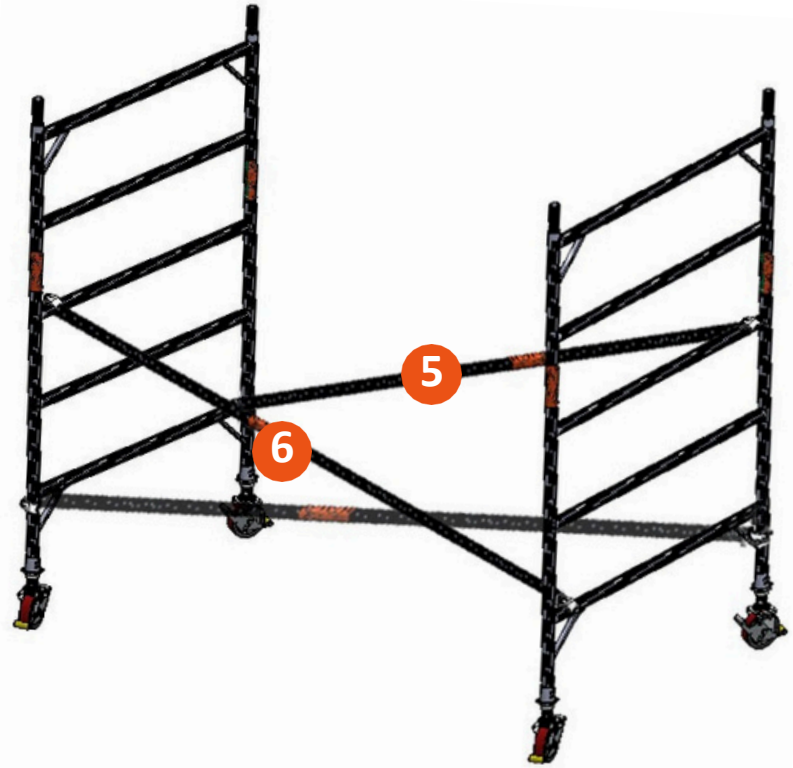


Step 2: Attach Horizontal Braces

Attach one bottom brace to the frame upright just above the first rung. Ensure the brace locking mechanism faces outward. Once you hear an audible click, stand up the opposite base frame and attach it to the other side of the brace.

Step 3: Complete the Base Frame

Install the required number of diagonal braces to both frames to enhance the stability of the scaffolding. Now, the frame will be self-supporting.



**Always refer to the accompanying figures for visual guidance.

AUSTRALIA
SCAFFOLDING & FORMWORK

13B Monterey Road, Dandenong South, VIC
sales@ausf.com.au
1300 622 686

Assembly Manual - D33 Mobile Scaffold

Step 4: Complete the first platform

Place one platform on a lower rung of the frame to provide a stable working surface for the operator. Ensure the wind lock under the platform is securely locked into the frame. This temporary platform will allow the operator to safely stand and install the handrails and the second platform at the higher level.

Step 5: Install handrails

Install two guardrail frames on top of each base frame, ensuring they are locked using pins. Attach four horizontal braces to the end frames. Once the handrails and other components are installed, raise the temporary lower deck.

Step 6: Complete D33 tower

Attach the 3.0m ladder with support, and put kickboards on each side of the platform to complete the full setup.

**Always refer to the accompanying figures for visual guidance.

AUSTRALIA
SCAFFOLDING & FORMWORK

13B Monterey Road, Dandenong South, VIC
sales@ausf.com.au
1300 622 686

Aluminium Mobile Scaffold Maintenance Guide

1. **Inspect Regularly:** Check frames, braces, platforms, and castors for damage before and after each use. Conduct thorough inspections monthly.
2. C**lean Components:** Remove dirt and debris with mild soap and water. Dry thoroughly to prevent corrosion.
3. **Lubricate Moving Parts:** Apply light oil or silicone spray to castors, hinges, and locking mechanisms to ensure smooth operation.
4. **Check Castors:** Ensure castors rotate freely, lock properly, and are free from damage. Replace worn or faulty castors immediately.
5. **Inspect Platforms:** Look for cracks, warping, or wear. Replace damaged platforms promptly.
6. **Examine Braces and Frames:** Check for cracks, bends, or corrosion. Ensure locking mechanisms engage securely.
7. **Store Properly:** Keep equipment in a dry, clean area. Disassemble and stack components neatly.
8. **Replace Damaged Parts:** Use genuine manufacturer parts for replacements. Do not attempt repairs.
9. **Follow Manufacturer Guidelines:** Adhere to the user manual for specific maintenance instructions.

Risk Category	Potential Hazards	Preventive Measures
Structural Integrity	Collapse due to overloading or improper assembly	Follow load capacity guidelines. Ensure proper assembly and use of outriggers for tall towers.
Falls from Height	Falling from the platform or ladder. Unstable or uneven surfaces	Install guard rails, mid rails, and toe boards. Use personal fall protection equipment (e.g., harness).
Movement Hazards	Unintended movement of the scaffold, Collision with vehicles or obstacles	Lock castors when stationary. Avoid moving the scaffold while occupied. Position the scaffold away from traffic and hazards. Use warning signs or barriers.
Environmental Risks	Adverse weather (e.g. wind, rain) causing instability	Avoid use in poor weather. Secure the scaffold during high winds.
Human Error	Improper assembly or dismantling	Train workers thoroughly. Follow manufacturer guidelines.
Electrical Hazards	Contact with overhead power lines	Maintain a safe distance from power lines.
Maintenance Issues	Use of damaged or worn components	Conduct regular inspections. Replace or repair damaged parts immediately.

**Always refer to the accompanying figures for visual guidance.

13B Monterey Road, Dandenong South, VIC
sales@ausf.com.au
1300 622 686

Safety Notes for Using Aluminium Mobile Scaffold

1. **Inspect Before Use:** Always inspect the scaffold components before assembly. Check for damage, cracks, or defectsin frames, braces, platforms, and castors. Do not use damaged equipment.
2. **Ensure Stability:** Never exceed the maximum load capacity of the scaffold. Distribute weight evenly across the platform. Use outriggers or stabilizers if the scaffold height exceeds 3 meters or above.
3. **Lock Castors:** Ensure all castors are locked securely before climbing or working on the scaffold. This prevents unintended movement during use.
4. **Level the Scaffold:** Always use a spirit level to ensure the scaffold is perfectly level and square on a firm, stable surface. Adjust the castors or base plates as needed.
5. **Use Guard Rails and Mid Rails:** Install guard rails and mid rails on all working platforms to prevent falls. Ensure they are securely attached and meet safety standards.
6. **Proper Access:** Always use the internal ladder to access the scaffold. Do not climb on cross braces, frames, or other parts of the scaffold.
7. **Avoid Overreaching:** Do not overreach or lean too far from the scaffold. Reposition the scaffold instead to maintain balance and stability.
8. **Do Not Move While Occupied:** Never move the scaffold while workers, tools, or materials are on it. Ensure the platform is clear before relocating.
9. **Weather Conditions:** Avoid using the scaffold in high winds, rain, or other adverse weather conditionsthat could compromise stability or safety.
10. **Secure Tools and Materials:** Keep tools and materials secure on the platform to prevent them from falling and causing injury or damage.
11. **Regular Inspections:** Conduct regular inspections during use, especially after moving the scaffold or making adjustments.
12. **Training and Competence:** Only trained and competent personnel should assemble, dismantle, or use the scaffold. Follow manufacturer guidelines and safety regulations.
13. **Fall Protection:** Use personal fall protection equipment when working at height, especially if guard rails are not fully installed or if the scaffold is not fully enclosed.
14. **Avoid Overloading:** Do not stack excessive materials or equipment on the platform. Follow the scaffold's load capacity guidelines.
15. **Keep Clear of Hazards:** Ensure the scaffold is positioned away from power lines, moving vehicles, or other potential hazards.
16. **Dismantle Safely:** When dismantling the scaffold, follow the reverse order of assembly. Ensure all components are safely removed and stored.
17. **Emergency Plan:** Have an emergency plan in place in case of accidents or scaffold instability. Ensure all workers are aware of the plan.

By following these safety notes, you can minimize risks and ensure a safe working environment when using aluminium mobile scaffolds. Always prioritize safety and adhere to local regulations and standards.

13B Monterey Road, Dandenong South, VIC
sales@ausf.com.au
1300 622 686