ULLRICH ALUMINIUM

SCAFFOLDING SYSTEMS

SERIES - 900, 1350, 1500

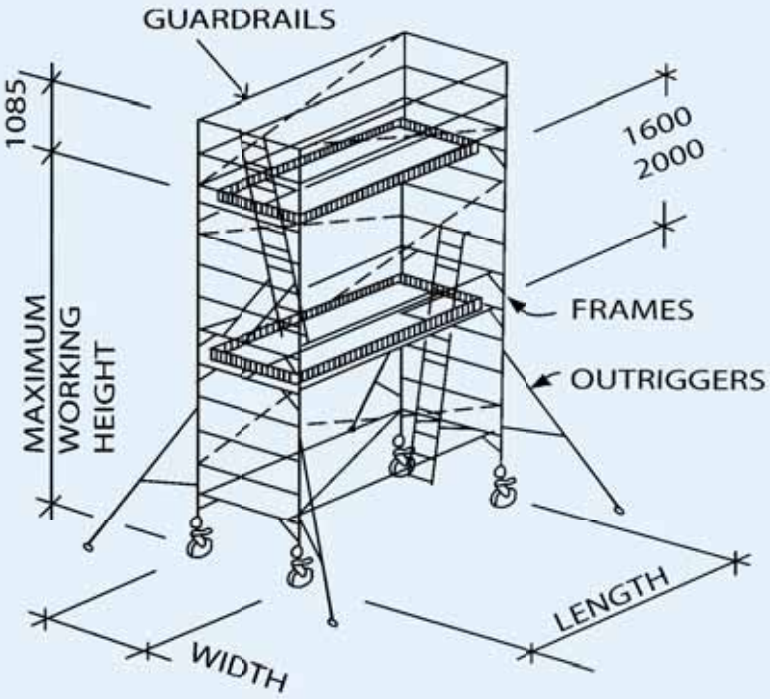
ULLRICH ALUMINIUM

July 08

ULLRICH ALUMINIUM MOBILE SCAFFOLD - *FEATURES*

DESIGN:

Ullrich Aluminium mobile scaffolds have been designed and manufactured to comply with Australian/New Zealand standard AS/NZS 1576.1:1995.
The lightweight aluminium components can easily be erected and dismantled without the aid of special tools.

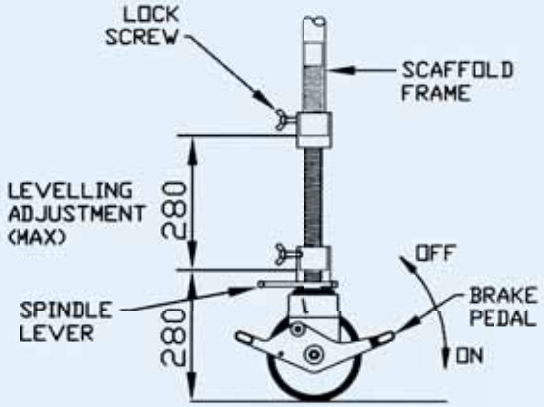


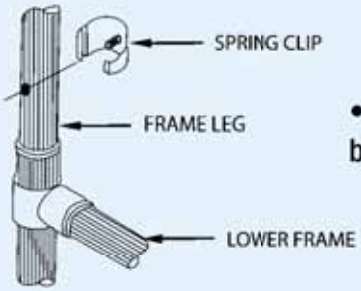
RANGE:

A range of frame widths is available from 900mm, 1350mm and 1500mm. With corresponding lengths of 18000mm, 2400mm, 3000mm and a maximum working height of 10.27m.

FEATURES:

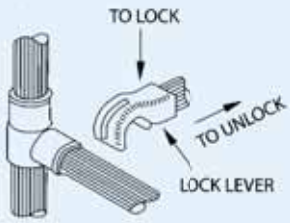
- Lightweight and simple to erect.
- For flexibility two outriggers are available,
- Swivel castor wheels make it easy to manoeuvre.
- Foot operated lever makes it simple to lock wheels.
- Threaded wheel spindle making height adjustment simple.
- Wheel is contained in frame by lock screw.





- Frames are locked by spring clip.

- All braces have 'snap' lock clamps.



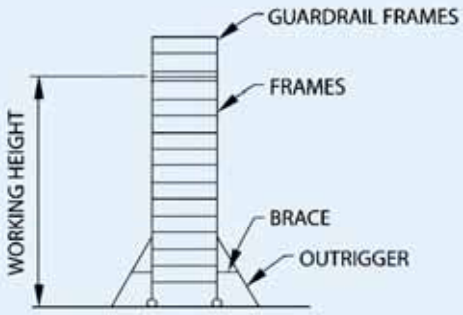
- Range of platform sizes suit most applications.
- Kickboard is provided on all platforms.

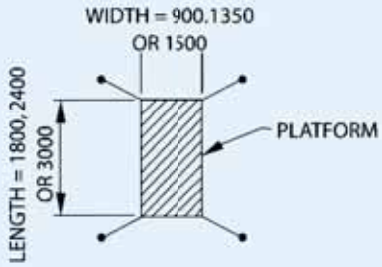
- The fixed base plate up to 400mm height adjustment can be obtained.

- Simple to operate lever clamps attach the outriggers and braces to the frame.

ULLRICH ALUMINIUM MOBILE SCAFFOLD - *SPECIFICATIONS*

OUTRIGGER AND FRAME SELECTION CHART FOR REQUIRED PLATFORM HEIGHTS AND SIZES				
MAX. WORKING HEIGHT WITH:		PLATFORM SIZE (WIDTH X LENGTH)	OUTRIGGER LENGTH	No and HEIGHT OF FRAMES
WHEELS	BASE PLATE			
4.27M	4.00M	900x1800 1350x1800 1500x1800 900x2400 1350x2400 1500x2400 900x3000 1350x3000 1500x3000	2400	2 x 2000
5.07M	4.80M	900x1800 1350x1800 1500x1800 900x2400 1350x2400 1500x2400 900x3000 1350x3000 1500x3000	2400	3 x 1600
6.27M	6.00M	900x1800 1350x1800 1500x1800 900x2400 1350x2400 1500x2400 900x3000 1350x3000 1500x3000	3000	3 x 2000
6.67M	6.40M	900x1800 1350x1800 1500x1800 900x2400 1350x2400 1500x2400 900x3000 1350x3000 1500x3000	3000	4 x 1600
8.27M	8.00M	1350x1800 1500x1800 1350x2400 1500x2400 1350x3000 1500x3000	3000	5 x 1600
8.27M	8.00M	1350x1800 1500x1800 1350x2400 1500x2400 1350x3000 1500x3000	3000	4 x 2000
9.87M	9.60M	1350x1800 1500x1800 1350x2400 1500x2400 1350x3000 1500x3000	3000	6 x 1600
10.27M	10.00M	1350x1800 1500x1800 1350x2400 1500x2400 1350x3000 1500x3000	3000	5 x 2000





OUTRIGGER LOCATION
(SEE ERECTION GUIDE)

- **SAFE WORKING LOAD** **225Kg TOTAL**
- **FRAME HEIGHTS** **1600mm & 2000mm**
- **WHEEL HEIGHT** **275mm**
- **WHEEL LEVELLING ADJUSTMENT** **280mm**
- **GUARDRAIL HEIGHT** **1085mm**

LADDER LENGTHS REQUIRED			
FRAME HEIGHT	BASE PLATFORM	INTERMEDIATE PLATFORM	TOP PLATFORM
1600	3000	2700	2500
2000	3400	3100	2900

NOTE:

- Greater heights can be achieved if towers are fixed to a solid structure in an approved manner
- Outriggers **MUST BE USED** when tower height exceeds three times the width of the base. (See erection guide)

ULLRICH ALUMINIUM MOBILE SCAFFOLD - *ERECTION GUIDE*

1. Lay main frames on floor and insert wheel assembly.
(Make sure lock screw clears the frame casting).

2. After inserting - finger tighten lock screw. Lock wheel brake.

3. Stand frame up and attach 'plan' brace (red hooks) to vertical tube at 'a' above bottom rung.
Lower brace to ground.

Frame is now self supporting.

4. Raise 2nd frame and attach 'plan' brace (red hooks) at 'b'.

5. Attach 2 horizontal braces (orange) to bottom rung of frame with claw facing down.

6. Attach 2 diagonal braces (blue) to 2nd & 4th rung of frame with claw facing down. Level the unit by turning the lever on the wheel spindle.
See step 16

7. Attach the fixed platform to the 3rd rung before attempting to insert the extensions. Insert frames (2) as shown.

8. Raise the fixed platform (from rung 3 to 5 and add hinged platform to rung 5.
- Attach (2) horizontal braces (orange).
- Attach (2) diagonal braces (blue) as shown.

9. Hook bottom ladder to the 8th rung and attach ladder braces to 2nd rung.

10. For multiple intermediate sections, repeat steps 7 & 8. Add intermediate ladder per level.

11. Fix (2) guard rails frames at ends.

12. Add (4) horizontal braces (orange) to last two rungs.

13. Raise fixed platform then the hinged one as shown.

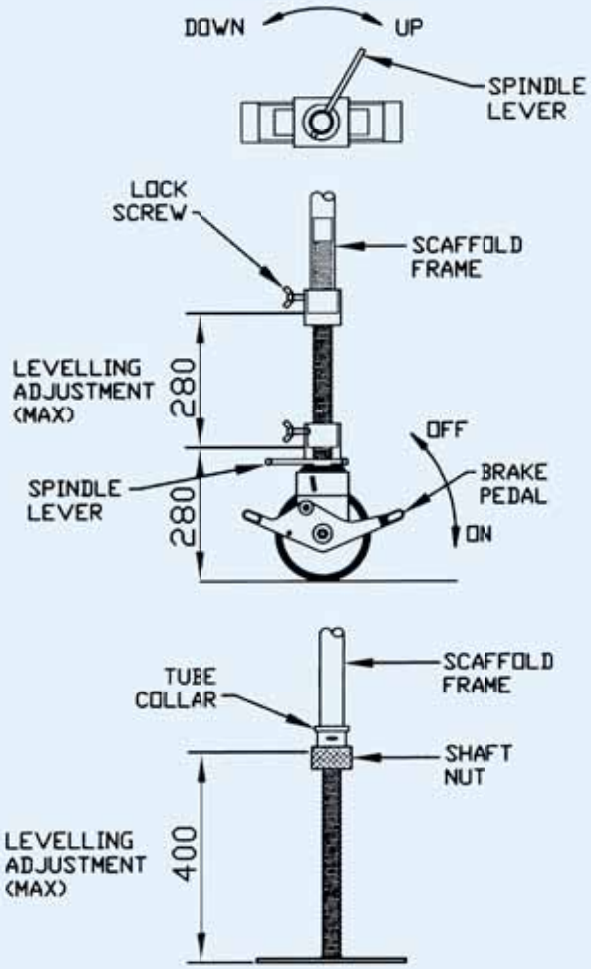
14. Add diagonal (2) braces (blue) as shown. Hook top ladder to top rung & fix ladder braces to 2nd rail above the lower platform.

15. Outriggers must be fitted to all mobile scaffolds when working platform height is 3 times the minimum width of base unit.

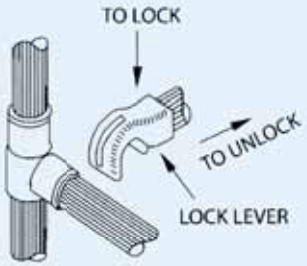
SCAFFOLD HEIGHTS	LENGHTS REQUIRED		OUTRIGGER FOOT POSITION	
	OUTRIGGER	BRACE	A	B
UP TO 6.0m	2400	700	1200	600
ABOVE 6.0m	3000	1050	1400	900

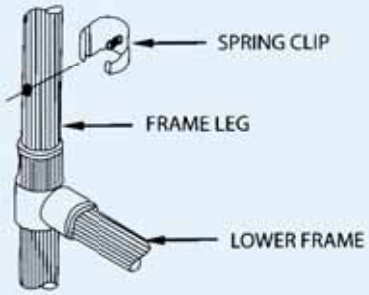
- Locate position of outrigger foot from chart above.
- Attach outrigger to vertical frame member.
- Finally attach brace to vertical frame member.
- Tighten all wingnuts.

16. Frame height can be adjusted by rotating the spindle lever - by hand.



17. Snaplock clamps can be locked by placing brace over frame tube and applying a downward force. To unlock - pull lever towards centre of brace.





18. All frames are to be locked using our spring clip. NOTE: Holes must be aligned before inserting pin. Do not force or hit clip with a hammer.

19. Adjustable clamps used on outriggers and outrigger brace. Hand tighten.

NOTES FOR YOUR SAFETY

- **Do not** use substitutes - for your safety use only Ullrich Aluminium scaffold components.
- **Do not** erect a scaffold over 4m high unless you are certified.
- **Do not** load scaffold in excess of 225kg.
- **Do not** move scaffold with persons on platform
- **Do not** erect scaffold within 4.9m of power lines.
- **Do not** climb on guard rail frames.
- **Do** follow erection guide.
- **Do** lock wheels before erection
- **Do** level base before erection.
- **Do** install outriggers as per step 15.
- **Do** install ladders to inside of tower.
- **Do** install guard rails on every work platform.
- **Do** wear hard hats and relevant protection equipment.

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