BASIC SAFETY NOTES

1. Mobile access and working towers may only be erected and dismantled by persons familiar with these instructions, basic safety notes and maintenance rules. To reduce the risks of injury to any person the regulations require that operatives are trained, or are supervised by a person who has been trained.
2. All competent persons, or persons being supervised, must report any condition concerning their health and fitness, regarding diseases, physical and mental condtions which might pose a risk in undertaking work at height.
3. It is strongly recommended that the following items of personal protective equipment (PPE) be worn at all times: safety helmet; safety boots; gloves - to the appropriate EN or BS requirements.
   Note: additional PPE may also be required for some tasks, specific locations, premises and sites.
4. Damaged, incomplete, incompatible or improperly erected equipment must not be used.
5. Pass up tower components by handing up equipment (to persons positioned at different platform heights) or use a good rope ensuring it is securely tied to the components being hoisted.
6. Tower must be vertical and erected on level and firm ground. Ensure base plates/castors and stabilisers are in contact with the ground at all times. Lock castors.
7. Stabilisers must be fitted when required as shown on the tower components list in the assembly instructions. Never exceed the height to minimum base dimension for:- Inside use 3.5:1, Outside use 3.0:1 & 2.5:1 when moving the tower with stabilisers, to a maximum platform height of 4m.
8. Beware of strong wind conditions and whenever possible always “tie-in” the tower to a rigid structure. Do not erect or use a freestanding tower if wind speed is likely to exceed 7.7m/sec.17mph or Beaufort force 4 (Moderate breeze: dust & paper blown about).
9. Never climb a tower from the outside. Always work from inside the tower on the platform board and within the guard railed area.
10. Do not lean ladders against the tower. Always use the ladders supplied with the tower. Never use ladders or boxes to gain additional height.
11. Never climb onto diagonals or handrails. Do not jump onto platforms or subject the tower to shock loads.
12. Ensure personnel, tools & materials are removed before moving or adjusting the tower. Do not attach bridging between a free standing mobile tower and a building.
13. When moving the tower push manually at the base only and do not exceed normal walking speed. Raise the stabilisers no more than 25mm (1”) from the ground. After moving, re-lock castors, check for vertical alignment and ensure stabilisers are secure and have a sound footing. Re-tie to rigid structure.
14. Beware of overhead obstructions or electric power lines.
15. After erecting the tower conduct the Statutory Inspections: below 2m platform height (visual inspection); above 2m platform height (inspect & record on tag or inspection report form); other inspections (exceptional circumstances); and the 7 day inspection requirements.
16. If in doubt about the safe use of the tower, contact the supplier for advice.

MAINTENANCE RULES

1. Keep equipment clean and inspect before and after use for damage. e.g. Hooks/Castings/Welds - free from distortion and cracks; Tubes/Rungs/Braces - straight and no dents likely to affect structural integrity or performance; Platforms - no damage & free from debris; Castors/Adjustable legs - move freely, brakes work & threads not damaged; Frame locks/Toeboards - not damaged or missing; Stabiliser clamps - undamaged & operational. Use serviceable equipment only.
2. All working parts e.g. castors, legs, hooks and stabiliser clamps should be lubricated lightly with oil as necessary.
3. Repairs should only be carried out by the supplier or other competent person approved by the supplier.

SAFE WORKING LOADS - evenly distributed

272 kg (600lbs) each platform; 360 kg (800lbs) any platform level;
680 kg (1500lbs) load on base section; 150 kg (331lbs) each ladder/stairladder/stairway;
Castors:- From 225 kg (500lbs) to 820 kg (1800lbs) – see SWL stamped on each castor

MAXIMUM PLATFORM HEIGHT OF TOWER WITH STABILISERS/OUTRIGGERS CORRECTLY FITTED (for guidance only - refer to the component breakdown which shows when stabilisers are required)

INTERNAL:- 3.5:1 minimum base dimension: EXTERNAL:- 3.0:1 minimum base dimension:
MOVING A TOWER FITTED WITH STABILISERS:- 2.5:1 minimum base dimension, to a maximum platform height of 4m.

WARNING

INJURY OR DEATH MAY RESULT FROM FAILURE TO COMPLY WITH THE ASSEMBLY INSTRUCTIONS, BASIC SAFETY NOTES, MAINTENANCE RULES, SAFE WORKING LOADS AND MAXIMUM PLATFORM HEIGHT OF TOWER.

TOWER EN 1004:2004 CLASS 2 1.5kN per sq.m. U.D.L.
MAXIMUM HEIGHT 8M OUTDOORS / 12M INDOORS
Classification: EN 1004-2-8/12-ABCD (depending on tower design & access to platforms)

Access type:- A: Stairway – DW x 2.0m Span length towers
B: Stairladder – DW x 2.0m Span length towers
C: Inclined ladder – DW, SW & SW Plus (+) x 2.0/2.5/3.0m Span length towers
D: Vertical ladder – DW, SW & SW Plus (+) x 1.2/1.5/2.0/2.5/3.0m Span length towers

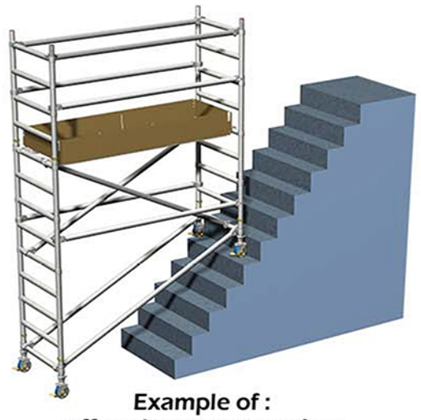
Ability International Limited: BS EN ISO 9001:2008 Registered Company. Certificate No: 4011767
Safecontractor Accreditation. Certificate Number: BQ7332
Instruction Manual - IM - GB
This page updated August 2015

ASSEMBLY INSTRUCTIONS
SERIES 250 SPAN Interlock Clip Version

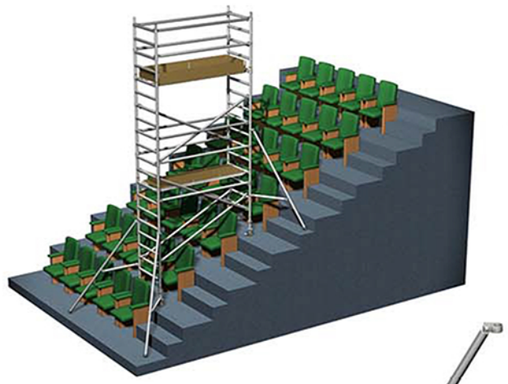
Aluminium Scaffold Towers
Single Width 0.74m / Single Width Plus (+)0.88m / Middle Width 1.00m

We excel in answering access needs
Ability
with innovative practical solutions

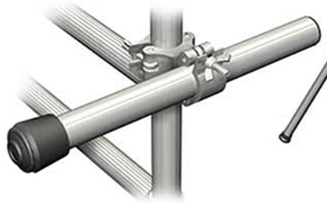
Example of : off-set base on stairs

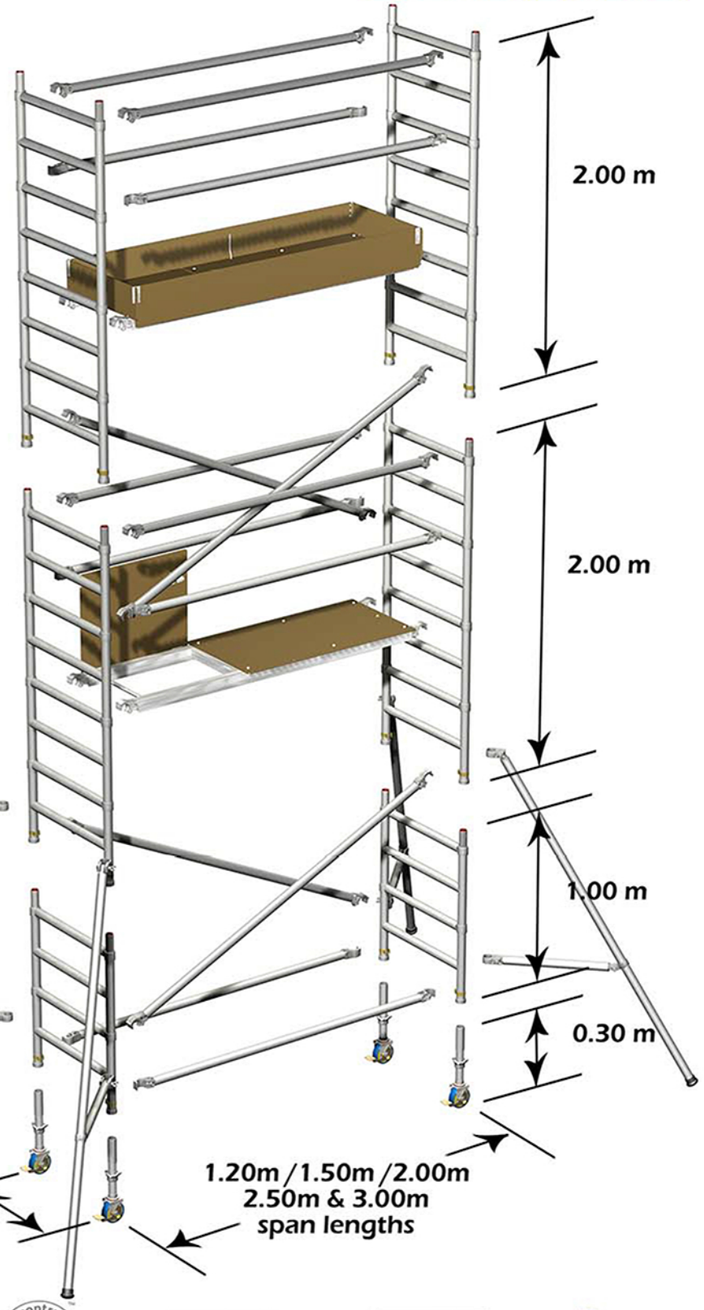


Example of : off-set base over seating on tiered floor



Use Wall Struts to stabilise tower between walls etc., Example of : Wall Strut





safecontractor APPROVED
BSi Committed to standards
MADE IN UK

Complying (where applicable) with BS & CEN requirements, HSE Guidance Notes & Statutary Instruments. Namely : BS EN 1004 & The Work at Height Regulations 2005.

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SERIES 250 SPAN Interlock Clip Version

Through the Trap(3T) Assembly Method

Single Width 0.74m / Single Width Plus (+)0.88m / Middle Width 1.00m

Recommendation : Minimum 2 persons required to erect and dismantle tower

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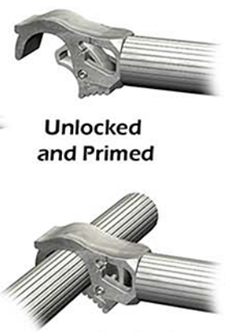
1.

Base Rung: only required for Single width 0.74m tower

1a.



Unlocked and Primed

Locked

Locking Hook

2.

2a.

3.

Odd Height Towers
e.g. 1.3m, 3.3m, 5.3m etc., start build-up with 2.0m frames

Even Height Towers
e.g. 2.3m, 4.3m, 6.3m etc., start build-up with 1.0m frames

4.

Dotted lines show positions of first two diagonal braces for single width + and middle width tower

4a.

5.

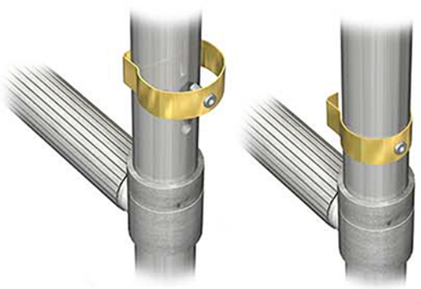
(Through The Trap)
3T Method for installing Horizontal (guardrail) braces - before standing on platform

6.

Fit stabilisers

45°

6a.



Lock frame using Interlock clips.

7.

8.

9. 3.3 Metre Platform Height

Odd Height Towers :
above 3.3m locate platforms at 2.0m intervals.
Relocate the bottom platform and 4no. horizontal braces to the 5.3m level

Middle Width:
deck out the top platform area by locating the narrow platform next to the hatchdoor platform e.g.

toeboards omitted for clarity

4.3 Metre Platform Height

Even Height Towers :
locate platforms at 2.0m intervals.

Reverse Assembly Procedure for Dismantling Towers

Component Breakdown to Assemble Various Platform Height Towers

Reach Height in Metres		4.3	5.3	6.3	7.3	8.3	9.3	10.3	11.3	12.3	13.3	14.3
Platform Height in Metres		2.3	3.3	4.3	5.3	6.3	7.3	8.3	9.3	10.3	11.3	12.3
Description	**Weight (Kg)**						*					
Castor	2.2	4	4	4	4	4	4	4	4	4	4	4
Adjustable leg - nut adjustment	1.2	4	4	4	4	4	4	4	4	4	4	4
Base rung (only for SW tower)	0.9	2	2	2	2	2	2	2	2	2	2	2
2m 8 rung frame SW/SW+/MW	7.7/8.5/9.1	2	2	4	4	6	6	8	8	10	10	12
1m 4 rung frame SW/SW+/MW	4.4/4.8/5.1	2	4	2	4	2	4	2	4	2	4	2
Horizontal brace 2m/2.5m/3m	2.1/2.5/2.7	6	10	10	10	14	14	18	18	22	22	26
Diagonal brace 2m/2.5m/3m	2.2/2.6/2.9	2	4	4	6	6	8	8	10	10	12	12
Hatchdoor platform 2m/2.5m/3m	15.5/19.5/22.5	1	2	2	2	3	3	4	4	5	5	6
Narrow platform (only for MW)	11.8	1	1	1	1	1	1	1	1	1	1	1
Toeboard side 2m/2.5m/3m	3.0/4.0/5.0	2	2	2	2	2	2	2	2	2	2	2
Toeboard end SW/SW+/MW	0.9/1.1/1.3	2	2	2	2	2	2	2	2	2	2	2
Stabiliser	3.4	4	4	4	4	4	4	4	4	4	4	4

From * and above “tie-in” tower to a rigid structure.
Whenever possible ”tie-in” lower height towers, especially when used out doors.