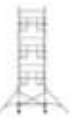


## MANUFACTURE'S OF ALUMINIUM SCAFFOLD TOWER EQUIPMENT

## SINGLE WIDTH ADVANCED GUARDRAIL INSTRUCTION MANUAL



## GENERAL SAFETY RULES



1. Check instructions before use. Mobile access working towers may only be erected and dismantled by persons familiar with these instructions for erection use.
2. Do not use any scaffold tower which is damaged, which has not been properly erected, which is not firm and stable, and which has any missing or damaged parts.
3. Do not erect a scaffold tower on unstable ground or objects such as loose bricks, boxes or blocks. Only a sound rigid footing must be used.
4. Ensure that the scaffold tower is always level and the adjustable legs are engaged. Check that you have taken all necessary precautions to prevent the tower being moved, or rolling away. Always apply all castor brakes or use base plates.
5. Ensure that all frames, braces and platforms are firmly in place and that all locking hooks are functioning correctly. Ensure that all frame locking clips are engaged. If any missing, replace them.
6. Ensure that the scaffold tower is within the maximum platform height is stated, and that the appropriate stabilizers are fitted.
7. Outdoor scaffold towers should, wherever possible, be secured to a building or other structure. It is good practice to tie in all scaffold towers of any height, especially when they are left unattended, or in exposed or windy conditions.
8. A scaffold tower must not be used in winds stronger than 7.7 meters per second. Beaufort scale 4. Be cautious if erecting or using the tower in open places, such as hangers or unclad buildings. In such circumstances the wind forces can be increased, as a result of the funnelling effect.
9. If an overhead hazard exists, head protection should be worn.
10. Do not lean ladders against the tower, or climb the outside of the tower. Whatever your intended access system, it should only be used inside the tower.
11. Never climb on horizontal or diagonal braces. Do not gain access or descend from the working platform other than by the intended access system.
12. Do not work from ladders or stairways, they are a means of access only.
13. Guardrails and toeboards must be fitted to the working platforms.
14. Never jump on to or off platforms.
15. DO not exceed the safe working load of the platform or structure by accumulating debris, material or tools on platforms as these can be a significant additional load.
16. If you must move a tower, remove all materials and personnel. When moving a scaffold tower, force must always be moved from the base. The tower should only be moved manually on firm, level ground which is free from obstacles. Normal walking speed should not be exceeded during relocation. The ground over which a tower is moved should be capable of supporting the weight of the structure.
17. Should you require additional platform height, add further frames. NEVER extend your adjustable legs to achieve extra height, these are for levelling only. NEVER use a ladder or other objects on the platform to achieve additional height.
18. It is not permissible to attach and use hoisting facilities on towers, unless specifically provided for by the manufacturer.
19. It is not permissible to attach bridging sections between a scaffold tower and a building. Refer to the tower manufacturer.
20. ALWAYS TAKE CARE OF ALUMINIUM SCAFFOLD TOWER EQUIPMENT. REMEMBER YOUR SAFETY DEPENDS ON THE SAFE ERECTION AND USE OF THE EQUIPMENT. RESPECT IT.

## MAINTENANCE RULES

1. Ensure that the scaffold tower is kept clean, especially the spigots and sockets. These should fit together with ease and be secured by an interlock clip.
2. Check frames and braces, adjustable legs and boards for paint, grit, burrs etc. Remove any foreign substance with a light wire brush. Check no slip hazards exist on the platform.
3. Where brace, ladder and platform hooks attach the frames, ensure that the frame rungs are kept clean.
4. Ensure that all locking hooks function correctly. If necessary lubricate with light oil.
5. The inside diameter of all hooks should be kept clean to ensure they fit to other components without being forced.
6. If in any doubt about the proper use and maintenance of the scaffold tower equipment, consult the manufacturer.
7. Do not misuse or abuse the scaffold tower with heavy objects, hammers etc. Do not throw components in and out of vehicles or to the ground when the tower is being dismantled. Such abuse may reduce the structural integrity of the scaffold tower.
8. Under no circumstances use a scaffold tower which damaged, has not been properly erected, is not rigid and which has any missing parts.
9. REMEMBER YOUR SAFETY DEPENDS ON THE SAFE ERECTION AND USE OF THIS EQUIPMENT. RESPECT IT.

## USE OF STABILIZERS

Stabilizers increase the EFFECTIVE BASE dimensions and improve the STABILITY of the tower.

Position the stabilizers symmetrically to obtain the MAXIMUM BASE DIMENSION.

Maximum platform heights for free standing towers are based on the base to height ratio of 3:1 outdoors and 3.5:1 indoors. When moving a tower with stabilizers the height to base ratio must not exceed 2.5:1.

OPTIMUM BASE DIMENSION	MAX HEIGHTS	STABILIZER TYPE
SINGLE WIDTH TOWER		
Single Width	1.41M	NONE
3.60M	4.66M	STANDARD
4.50M	8.0M	TELESCOPIC

\*Due to general tower rigidity it is recommended that the maximum platform height of a single width tower is 8.0m unless the tower is tied in.

## DISMANTLING NOTES:

- Remove the AGR frames by disengaging the top hooks from the vertical members completely before descending through the trapdoor platform.
- Disengage Windlock clips to remove platforms.
- Disengage lower AGR hooks to complete removal

# KLIK SINGLE WIDTH ADVANCED GUARDRAIL KITTING LISTS



PLATFORM LEVELS										BKD1	BKH1	AGR1	PKT1			TKS1	TOWER WEIGHTS	
		K5CR	KALA	FKS3	FSL3	FKS4	FSL4	FKS5	FSL5	BKD2	BKH2	AGR2	PKT2	SKS1	Y250	TKS2	2M	2.5M
0.94 M	(3' 1")	4	4			1	1					2	1			1	69kg	80kg
1.41 M	(4' 7")	4	4					1	1	1	2	2	1			1	78kg	90kg
1.88 M	(6' 2")	4	4	2	2					2	2	2	1	4		1	102kg	114kg
2.34 M	(7' 8")	4	4	1	1	1	1			2	2	2	1	4		1	106kg	118kg
2.81 M	(9' 3")	4	4			2	2			2		4	2	4		1	135kg	154kg
3.27 M	(10' 9")	4	4			1	1	1	1	2	2	4	2	4		1	142kg	162kg
3.73 M	(12' 3")	4	4	2	2	1	1			2	2	4	2	4		1	148kg	168kg
4.20 M	(13' 9")	4	4	1	1	2	2			2	2	4	2	4		1	151kg	171kg
4.66 M	(15' 4")	4	4			3	3			2		6	2	4		1	167kg	190kg
5.13 M	(16' 10")	4	4			2	2	1	1	2	2	6	3	4		1	194kg	222kg
5.59 M	(18' 4")	4	4	2	2	2	2			2	2	6	3		4	1	200kg	228kg
6.05 M	(19' 10")	4	4	1	1	3	3			2	2	6	3		4	1	204kg	231kg
6.52 M	(21' 5")	4	4			4	4			2		8	3		4	1	219kg	250kg
6.98 M	(22' 11")	4	4			3	3	1	1	2	2	8	4		4	1	240kg	275kg
7.45 M	(24' 5")	4	4	2	2	3	3			2	2	8	4		4	1	246kg	281kg
7.91 M	(26' 0")	4	4	1	1	4	4			2	2	8	4		4	1	249kg	285kg

K5CR	5" Castors	BKD1	2 M Diagonal Brace	TKS1	2 M DW Toe board Assembly
K6CR	6" Castors	BKD2	2.5 M Diagonal Brace	TKS2	2.5 M DW Toe board Assembly
KALA	Adjustable Leg Assembly	BKH1	2 M Horizontal Brace	AGR1	2m Advanced G'rail Frame
FKS3	3 Rung SW Frame	BKH2	2.5 M Horizontal Brace	AGR2	2.5m Advanced G'rail Frame
FKS4	4 Rung SW Frame	PKT1	2 M Trapdoor Platform		
FKS5	5 Rung SW Frame	PKT2	2.5 M Trapdoor Platform		
FSL3	3 Rung SW Ladder Frame	SKS1	Standard Stabilizer		
FSL4	4 Rung SW Ladder Frame	Y250	Telescopic Stabilizer		
FSL5	5 Rung DW Ladder Frame	SKL2	Large Stabilizer		

## BASE SET UP

YOU MUST GET YOUR BASE SET UP CORRECT IN ORDER TO ACHIEVE SAFE GUARDRAIL HEIGHTS

## PLATFORM REPOSITIONS

TEMPORARY PLATFORMS ENABLE CORRECT WORK PLATFORM LEVELS

CORRECT PLATFORM LEVELS ACHIEVE SAFE ASSEMBLY

## RESTRICTED CEILING HEIGHTS

THE TOP 4 RUNGS CAN BE REPLACED USING 2 RUNG FRAMES & GUARDRAIL FRAMES

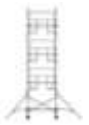
GUARDRAIL FRAMES MUST BE SECURELY FITTED TO THE 2 RUNG FRAMES BEFORE FITTING

TO THE TOWER TO ENSURE SAFE ASSEMBLY

## STOCK UTILIZATION

2 x 4 RUNG FRAMES CAN BE REPLACED BY 1x 5 RUNG + 1 x 3 RUNG (LADDER & PLAIN REQUIRED)  
THE 5 RUNG FRAME MUST BE FITTED BEFORE THE 3 RUNG TO ENSURE SAFE ASSEMBLY

# KLIK SINGLE WIDTH ADVANCED GUARDRAIL BASE SET UPS



## BASIC

The Assembly pictures are for illustrative purposes only; the tower set up is that of 4.20m

This base also sets up the following towers...

1.88m / 2.34m / 3.73m / 5.59m / 6.05m / 7.45m / 7.91m

**PLEASE NOTE:**

A temporary platform may be used across the bottom rungs if required.

### 4 RUNG BASE



To reach platform levels of:

0.94m, 2.81m, 4.66m, 6.52m

All further frames added are 4 rung units.

### 5 RUNG BASE



To reach platform levels of:

1.41m, 3.27m, 5.13m, 6.98m

All further frames added are 4 rung units

WORKING PLATFORM	BASE FRAME	NEXT FRAME	PLATFORMS	
			1ST LEVEL	* REPOSITION 2
1.41 M	5 RUNG	N/A	3	
1.88 M	3 RUNG	3 RUNG	4	
2.34 M	3 RUNG	4 RUNG	1*	5
2.81 M	4 RUNG	4 RUNG	2*	1
3.27 M	5 RUNG	4 RUNG	3	
3.73 M	3 RUNG	3 RUNG	4	
4.20 M	3 RUNG	4 RUNG	1*	9
4.66 M	4 RUNG	4 RUNG	2*	10
5.13 M	5 RUNG	4 RUNG	3	
5.59 M	3 RUNG	3 RUNG	4	
6.05 M	3 RUNG	4 RUNG	1*	9
6.52 M	4 RUNG	4 RUNG	2*	10
6.98 M	5 RUNG	4 RUNG	3	
7.45 M	3 RUNG	3 RUNG	4	
7.91 M	3 RUNG	4 RUNG	1*	9



# KLIK SINGLE WIDTH ADVANCED GUARDRAIL INSTRUCTION MANUAL



1. Insert 2 legs and castors into each frame.



2. Klik in 2 horizontal braces to the vertical member of the frames, as low as possible, below the 1<sup>st</sup> rung.



3. Add next level frames – according to your kit list.



4. Engage Interlock Clips.



5. Add 2 diagonal braces, from the 2nd to 4th rung as shown.



6. Fit temporary platform to the 1<sup>st</sup> rung and level base.



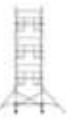
7. Standing on the platform with the green label facing you, position the 1<sup>st</sup> pair of AGR frames to the vertical members above the rungs in the required position, as shown.



8. Position the trapdoor platform to the appropriate rung (Trapdoor facing the ladder section) 1 rung above the bottom section of the AGR frames.



# KLIK SINGLE WIDTH ADVANCED GUARDRAIL INSTRUCTION MANUAL



9. Secure stabilizers as soon as possible to increase tower stability.



10. Access and egress to the next platform level through the trapdoor, using the ladder provided.



11. Add 4 rung frames, ensuring that the ladder is continuous.



12. Safely pass up the next set of AGR frames as shown.



13. With the green label facing you, Position the AGR frames to the vertical members, above the rungs in the required position as shown.



14. Remove the temporary trapdoor platform and position on the appropriate rung (Trapdoor facing the ladder section) 1 rung above the bottom section of the AGR frames.

**15. REPEAT STEPS 10, 11 & 12 UNTIL REQUIRED PLATFORM LEVEL IS ACHIEVED.**



16. Fit toeboards in the correct position.



## DISMANTLING NOTES:

- Remove the AGR frames by disengaging the top hooks from the vertical members completely before descending through the trapdoor platform.
- Disengage Windlock clips to remove platforms.
- Disengage lower AGR hooks to complete removal

**Manufactured To a TUV Certified ISO 9001:2008 Quality Control System**

