



Access Towers



www.accesstowersgroup.co.uk/manuals

AT04/01/2023

INSTRUCTION MANUAL

**KLIK SINGLE WIDTH LADDER
FRAME AGR - ADVANCE
GUARDRAIL METHOD**

KLIK SINGLE WIDTH LADDER FRAME AGR ADVANCE GUARDRAIL METHOD

INSTRUCTIONS FOR USE TO BE FOLLOWED CAREFULLY

TOWER MAX SAFE
WORKING LOAD

750KG

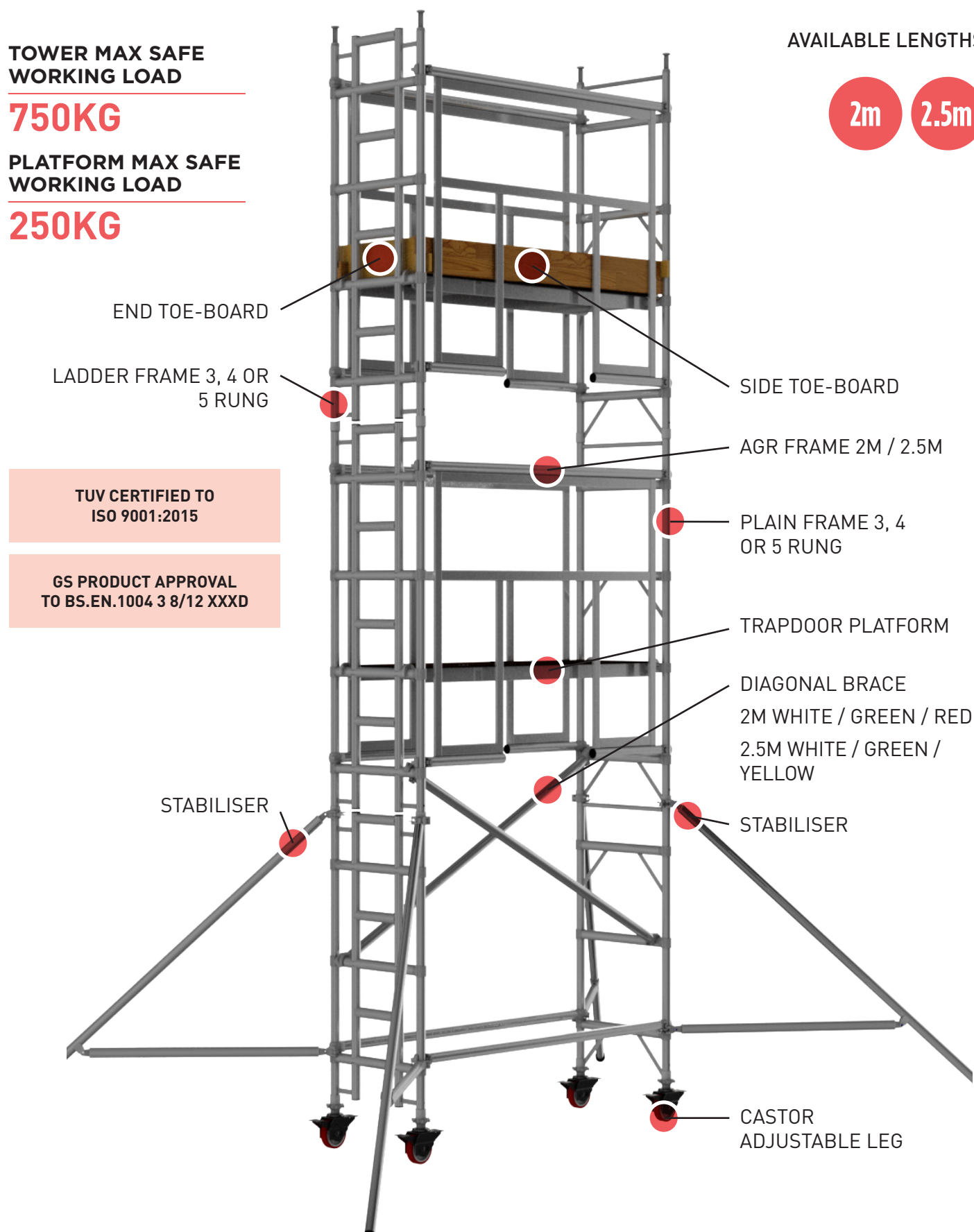
PLATFORM MAX SAFE
WORKING LOAD

250KG

AVAILABLE LENGTHS

2m

2.5m



BEFORE YOU START

1. Familiarise yourself with these instructions paying attention to these safety notes before you use the equipment supplied. Towers may only be assembled and dismantled by a COMPETENT person familiar with these instructions.
2. User training courses cannot be a substitute for instruction manuals but only compliment them.
3. This product shall only be used according to the instruction manual.
4. Only original Euro Towers components specified in this manual shall be used.
5. It is recommended that this user manual be used in conjunction with a suitable risk assessment and method statement relative to the project.
6. This instruction manual shall be available to the USER at ALL times. Erection, alteration or dismantle of the tower should not be attempted unless the manual is present.
7. This mobile access and working tower shall only be used according to this manual without any modification.
8. Mobile access and working towers shall only be used in accordance with national regulations.
9. You will require the following PPE and Tools to help avoid personal injury, Hard Hat, Safety Gloves, Safety Shoes/Boots, Hi Vis vest/jacket and spirit level.
10. As part of your risk assessment do not begin to erect, move or dismantle your tower in excessive weather conditions including heavy rain, sleet or snow that can affect your anti slip surfaces. Also avoid working in extreme heat and high winds.
11. Ensure you selected the correct platform height tower in relation to the desired working height (usually 2m) to avoid overreaching and other unsafe practices.
12. Inspect all individual components before use to ensure quantity, compatibility, any damages and all parts function correctly. Damaged or incorrect components shall NOT be used.
13. Check the quantity of components supplied corresponds correctly to the kitting list of the tower height you are planning to build. Do not start assembly if you do not have the correct number of components. Do not use any tower that has missing or damaged parts or has not been properly assembled.
14. Erect an exclusion zone and place warning signs if applicable to your location of work.
15. It is recommended that a minimum of two person erect, alter and dismantle a tower but during the risk assessment additional person(s) may be required to perform the task safely.
17. Inspect all tube on frames, stabilisers and braces for dents, cuts and holes, damaged equipment should be isolated, tagged and removed from use. Check all joints for cracked welds and that they are secure.
18. Inspect Brace Hooks, check the clicker is functioning correctly and the hook is not distorted from abuse. Check the brace is not bent/dented.
19. Inspect Platform for damage to the decking and fixings and that (if fitted) trapdoor open and close freely and the hinge is secure. Check the aluminium framework for damage and for cracked welds that may be damaged due to overloading. Check the hooks are not distorted from abuse and the wind lock clips are attached and functioning properly.
20. Inspect Stabiliser couplers tighten and can be loosened freely. Ensure rubber foot is securely fitted and not worn out. Check for adjusting pins on telescopic stabilisers are fitted and secured
21. Inspect castors, checking that the wheel turns and spins freely, that the brakes engage and stops the castor from spinning. Ensure the castor has no flat spots and has a SWL.
22. Inspect the adjustable leg threads are clear of burrs and the nut runs freely up and down the thread. Check the nut housing for abuse or missing nodules.
23. Light oil or lubricating spray may be used to free up jammed, clickers, castors, adjustable leg nuts, stabiliser couplers, trapdoor hinges and latches.
24. Do not put excessive loads on the components during storage.
25. When transporting the components do not use excessive strapping forces when securing the load, this may distort and damage components if not done with care.

ASSEMBLING AND DISMANTLING

26. Check ground conditions are suitable for erecting and moving the tower and the ground can take the loads imposed by the tower including weight of equipment and persons. Do not assemble tower on unstable ground such as drain, manhole covers, compacted fill or any other hazards highlighted during the risk assessment.
27. Check for level and slope of the area where the tower is to be erected, moved and dismantled is within the levelling height of the adjustable legs.
28. Check for obstructions that could prevent erection, moving and dismantling of the tower safely.
29. Check for overhead hazards such as power lines. Do not assemble a tower near uninsulated, live or energised electrical machinery or circuits, or near machinery or plant that is in operation.
30. Ensure the Tower is level. Castor wheels should remain LOCKED unless moving the Tower. Adjustable legs are used for levelling the Tower. NEVER use to gain additional height. Extra height is gained by using additional compatible components. Other items such as ladders, steps, boxes etc should never be used to gain additional height.

INSPECTION, MAINTENANCE AND TRANSPORT

16. Regularly inspect the individual components to ensure that they are not damaged and function properly. Damaged components shall be isolated, tagged and removed from use. They should be replaced and sent for repair or scrap.

31. All components should be passed up or down by hand where possible, where this is not possible use a suitable material for lifting (e.g. Heavy corded rope) and sufficient knot ties (e.g. hitch knot or timber hitch) DO NOT use mechanical hoists.
32. Towers MUST always be climbed from the inside for access and egress using the Integrated ladders or designated rungs. NEVER climb the outside of a Tower.
33. Do not lean ladders against a tower or climb the outside. Climb the ladder from the inside as per the supplied access system and use the trapdoor for access and egress.
34. Never climb on Diagonal or Horizontal braces. Never jump on to or off platforms
35. Working is only permitted on a platform with a complete side protection including guardrails and toe boards.
36. After assembly or alteration, the following minimum information shall be displayed on the tower:
 - a. The name and contact details of the person responsible
 - b. If the tower is ready for application or not
 - c. The load class and the uniformly distributed load
 - d. If the mobile access and working tower is intended for indoor use only
 - e. The date of assembly

SAFE USE & LOADINGS

37. Before use, check that all components listed in the kit list have been used in the Tower in the correct position.
38. Care should be taken when using Power Tools or Jet washing or anything specific to your job that could imply side loads and cause the tower to overturn. Maximum permitted side load must not exceed 30kg (300N)
39. When lifting components or materials keep within the base of the Tower. Ensure the total weight of the User(s) any debris, materials being lifted does not exceed the Safe Working Load (SWL) of an individual platform (250kg) or the overall structure (750kg) Loads must be uniformly distributed on the working platform and not block trapdoors.
40. Mobile access and working towers designed in accordance with EN1004-1 are not anchor points for personal fall arrest equipment.
41. Work should only be completed from one Working Platform at any time complete with Guardrails and Toe Boards to prevent persons and materials falling from the tower. Work should not be attempted from any other part of the tower including stairs or braces.
42. The maximum number of person(s) permitted on the working platform at any time should not exceed the SWL (250kg). This should include any tools and or materials
43. You should never stand on an unprotected platform (guardrails must be in place)
44. Consider measures to secure the tower when left unattended.

STABILITY & MOVING

45. Ensure the Tower is 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 brakes or use base plates for static towers or inclined surfaces.
46. Ensure that the scaffold tower is within the maximum platform height as stated and that the appropriate stabilisers are fitted to suit. *Refer to kitting list.
47. A scaffold tower should not be used or moved in wind speeds stronger than 17mph (7.7meters per second) (Beaufort force 4). If wind speeds exceed this, consider tying the tower to a rigid structure or dismantling before it is exposed to the strong winds.
48. Beware of the potential wind factors where there is a possibility for the tunnelling effect of open-ended buildings, unclad building and at the corners of buildings
49. NEVER fit sheets or cladding to a Tower. Such items can act as a sail and impose extreme horizontal load onto a tower causing it to overturn.
50. When moving a tower plan the route, removing any obstructions, ensuring the ground can take the weight of the tower. Beware of soft and uneven ground. Pay attention for overhead hazards and ensure that all materials and persons are removed from the Tower. If there are any doubts about the route, then dismantle and erect in new location.
51. Towers should only be moved manually by pushing at the base of the tower at a usual walking speed. The Tower height should be reduced to 4m if all 4 stabilisers are in place and 2m if less than 4 stabilisers are in place. Stabilisers are raised approximately 25mm clear of the ground and then castors are unlocked and the tower can be moved.
52. When the Tower is repositioned reapply the brakes on castor wheels and the tower shall be levelled using the adjustable legs for both horizontal and vertical alignment. The stabilisers can then be lowered making firm contact with the ground.
53. Towers should NEVER be lifted or suspended by a crane or moved by mechanical means
54. Towers are not designed to be used as a means to enter or exit other structures
55. Towers are not designed to be used as a means of edge protection
56. All towers should be inspected before use.

For further safety information and to download instruction manuals or book a training course please call Access Towers or visit our website:

Telephone: 0208 665 1181
www.accesstowersgroup.co.uk

KLIK SINGLE WIDTH LADDER FRAME AGR ADVANCE GUARDRAIL METHOD

AVAILABLE LENGTHS

2m

2.5m

WORK HEIGHT	2.94m	3.41m	3.88m	4.34m	4.81m	5.27m
OVERALL TOWER HEIGHT	2.19m	2.66m	3.13m	3.59m	4.06m	4.53m
PLATFORM HEIGHT	0.94m	1.41m	1.88m	2.34m	2.81m	3.27m
PARTS LIST						
CASTOR	4	4	4	4	4	4
ADJUSTABLE LEG	4	4	4	4	4	4
3 RUNG FRAME			2	1		
3 RUNG LADDER FRAME			2	1		
4 RUNG FRAME	1			1	2	1
4 RUNG LADDER FRAME	1			1	2	1
5 RUNG FRAME		1				1
5 RUNG LADDER FRAME		1				1
AGR FRAME	2	2	2	2	4	4
DIAGONAL BRACE		1	2	2	2	2
HORIZONTAL BRACE		2	2	2		2
TRAPDOOR PLATFORM	1	1	1	1	2	2
STANDARD STABILIZER			4	4	4	4
TELESCOPIC STABILIZER						
TOEBOARD ASSEMBLY	1	1	1	1	1	1
TOWER WEIGHT (kgs)						
2m WEIGHT		80 kgs	94 kgs	114 kgs	125 kgs	130 kgs
2.5m WEIGHT		82 kgs	104 kgs	127 kgs	139 kgs	145 kgs
3m WEIGHT		88 kgs	110 kgs	138 kgs	152 kgs	158 kgs

CONTINUED...

KLIK SINGLE WIDTH LADDER FRAME AGR ADVANCE GUARDRAIL METHOD

AVAILABLE LENGTHS

2m

2.5m

WORK HEIGHT	5.73m	6.20m	6.66m	7.13m	7.59m
OVERALL TOWER HEIGHT	4.98m	5.45m	5.91m	6.38m	6.84m
PLATFORM HEIGHT	3.73m	4.20m	4.66m	5.13m	5.59m
PARTS LIST					
CASTOR	4	4	4	4	4
ADJUSTABLE LEG	4	4	4	4	4
3 RUNG FRAME	2	1			2
3 RUNG LADDER FRAME	2	1			2
4 RUNG FRAME	1	2	3	2	2
4 RUNG LADDER FRAME	1	2	3	2	2
5 RUNG FRAME				1	
5 RUNG LADDER FRAME				1	
AGR FRAME	4	4	6	6	6
DIAGONAL BRACE	2	2	2	2	2
HORIZONTAL BRACE	2	2		2	2
TRAPDOOR PLATFORM	2	2	2	3	3
STANDARD STABILIZER	4	4	4	4	
TELESCOPIC STABILIZER					4
TOEBOARD ASSEMBLY	1	1	1	1	1
TOWER WEIGHT (kgs)					
2m WEIGHT	136 kgs	142 kgs	145 kgs	157 kgs	163 kgs
2.5m WEIGHT	151 kgs	157 kgs	160 kgs	172 kgs	178 kgs
3m WEIGHT	164 kgs	170 kgs	174 kgs	186 kgs	192 kgs

CONTINUED...

KLIK SINGLE WIDTH LADDER FRAME AGR ADVANCE GUARDRAIL METHOD

AVAILABLE LENGTHS

2m

2.5m

WORK HEIGHT	8.05m	8.52m	8.98m	9.45m	9.91m
OVERALL TOWER HEIGHT	7.30m	7.77m	8.23m	8.70m	9.16m
PLATFORM HEIGHT	6.05m	6.52m	6.98m	7.45m	7.91m
PARTS LIST					
CASTOR	4	4	4	4	4
ADJUSTABLE LEG	4	4	4	4	4
3 RUNG FRAME	1			2	1
3 RUNG LADDER FRAME	1			2	1
4 RUNG FRAME	3	4	3	3	4
4 RUNG LADDER FRAME	3	4	3	3	4
5 RUNG FRAME			1		
5 RUNG LADDER FRAME			1		
AGR FRAME	6	8	8	8	8
DIAGONAL BRACE	2	2	2	2	2
HORIZONTAL BRACE	2		2	2	2
TRAPDOOR PLATFORM	3	3	4	4	4
STANDARD STABILIZER					
TELESCOPIC STABILIZER	4	4	4	4	4
TOEBOARD ASSEMBLY	1	1	1	1	1
TOWER WEIGHT (kgs)					
2m WEIGHT	190 kgs	193 kgs	198 kgs	204 kgs	210 kgs
2.5m WEIGHT	210 kgs	214 kgs	219 kgs	225 kgs	231 kgs
3m WEIGHT	229 kgs	234 kgs	240 kgs	245 kgs	252 kgs

KLIK SINGLE WIDTH LADDER FRAME AGR ADVANCE GUARDRAIL METHOD

COMPONENT WEIGHT (kgs)		
2 Rung Single Width Plain Frame	FKS2	4.02 kgs
3 Rung Single Width Plain Frame	FKS3	5.46 kgs
4 Rung Single Width Plain Frame	FKS4	6.81 kgs
5 Rung Single Width Plain Frame	FKS5	8.05 kgs
2 Rung Single Width Ladder Frame	FSL2	5.22 kgs
3 Rung Single Width Ladder Frame	FSL3	7.23 kgs
4 Rung Single Width Ladder Frame	FSL4	9.36 kgs
5 Rung Single Width Ladder Frame	FSL5	11.38 kgs
Single Width Guardrail	FKSG	3.09 kgs
2M Plain Platform	PKP1	13.22 kgs
2.5M Plain Platform	PKP2	16.88 kgs
2M Trapdoor Platform	PKT1	13.48 kgs
2.5M Trapdoor Platform	PKT2	17.38 kgs
2M AGR Frame	AGR1	
2.5M AGR Frame	AGR2	
2M Horizontal Brace	BKH1	1.93 kgs
2.5M Horizontal Brace	BKH2	2.24 kgs
3M Horizontal Brace	BKH3	2.55 kgs
2M Diagonal Brace	BKD1	2.06 kgs
2.5M Diagonal Brace	BKD2	2.35 kgs
Swivel Base Plate	KSBP	1.03 kgs
5" Castor	K5CR	3.23 kgs
6" Castor	K6CR	3.65 kgs
8" Castor	K8CR	4.34 kgs
Adjustable Leg	KALA	0.98 kgs
Standard Stabilizer	SKS1	4.02 kgs
Large Stabilizer	SKL2	7.84 kgs
Telescopic Stabilizer	Y250	5.66 kgs

MOVING A TOWER

Remove people and materials from the tower, and lower the tower to 4m if all 4 stabilisers are in place. If not then reduce tower height to 2m. Adjust and raise the stabilizers 25mm from the ground, ensure the couplers are tight, and push from at or near the base by manual effort only, never use mechanical means. Recheck level and reposition stabilizers before use.

ALTERNATIVE FRAMES CONFIGURATION

For example where 2 x 4 rung frames are stated making the tower 8 rungs in total, these can be replaced by 1 x 5 rung and 1 x 3 rung, also making 8 rungs in total.

PPE REQUIRED

Hard Hat, Safety Gloves, Safety Boots or Shoes, Hi-Viz Vest or Jacket

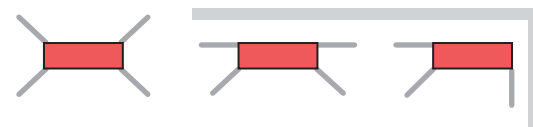
TOOLS REQUIRED

Spirit Level

STABILIZERS

Stabilizers increase effective base dimensions and increase the stability of the tower. Position the stabilizers symmetrically to obtain maximum base dimensions.

PLATFORM HEIGHTS	MAXIMUM HEIGHT	STABILIZER TYPE
0m	1.41m	None
1.88m	4.66m	Standard
5.13m	7.91m	Telescopic



**FREE
STANDING
TOWER**

**TOWER
AGAINST
A WALL**

**TOWER
IN A
CORNER**

KLIK SINGLE WIDTH LADDER FRAME AGR INSTRUCTIONS FOR ERECTION, ALTERING & DISMANTLING



THE TOWER REQUIRES A MINIMUM OF
2 PEOPLE FOR ASSEMBLY

DO NOT ATTEMPT TO ASSEMBLE A TOWER BY YOURSELF
BUILDS WITH 3 RUNG & 4 RUNG BASE SET UPS HAVE
PLATFORMS REPOSITIONED.

BUILDS WITH 2X3 RUNG BASE SET UPS HAVE THE
PLATFORM POSITIONED ON THE 4TH RUNG.

4 RUNG



4 RUNG BASE SET UP FOR PLATFORM HEIGHTS

0.94M | 2.81M | 4.66M | 6.52M

5 RUNG



5 RUNG BASE SET UP FOR PLATFORM HEIGHTS

1.41M | 3.27M | 5.13M | 6.87M

6 RUNG



6 RUNG BASE SET UP (2 X 3 RUNG) FOR PLATFORM HEIGHTS

1.88M | 3.73M | 5.59M | 7.45M

7 RUNG



7 RUNG BASE SET UP (1 X 3 RUNG + 1 X 4 RUNG) FOR PLATFORM HEIGHTS

2.34M | 4.20M | 6.05M | 7.91M

01



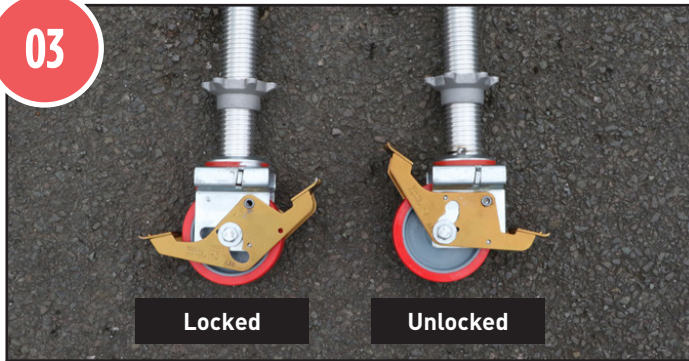
Insert castor wheels into adjustable legs.

02



Insert 2 adjustable legs and castor wheels into each base frame.

03



Lock Brakes and allow 3" thread from bottom of castor for levelling.

04



Fit 2 horizontal braces to the vertical member of the frames above first rung. Horizontal braces fit on from the inside of the tower facing outwards.

INTEGRAL LADDER MUST BE ON THE RIGHT HAND SIDE

05



Add further frames ensuring the ladder is continuous.

06



Add further frames ensuring the ladder is continuous.

07



Fit 2 diagonal braces from the 2nd rung to the 4th rung in an alternate pattern.

08



Fit 1 plain platform on the appropriate rung(see base builds). Level your tower by the adjustable legs using a spirit level as a guide. The scaffold must be vertical in both planes within an inclination of 1%

NEVER STAND ON AN UNPROTECTED PLATFORM

09



Fit 4 stabilisers at earliest opportunity keeping lower arms as horizontal as possible ideally 45 degrees. Stabilisers are fixed onto the frame uprights in each corner by the attached couplers.

10



Fit 2 Advance Guardrail frames, hooks facing outwards ensuring the top hook is located above the top rung.

11



Fit 1 trap and 1 plain platform to the 3rd rung down. Making sure the trapdoor is with the ladder section.

12



Add 4 rung frames ensuring the ladder is continuous. Ensure interlocks are engaged.

13



Fit 2 Advance Guardrail frames, hooks facing outwards ensuring the top hook is located above the top rung.

14



Fit 1 trap and 1 plain platform to the 3rd rung down. Making sure the trapdoor is with the ladder section.

15

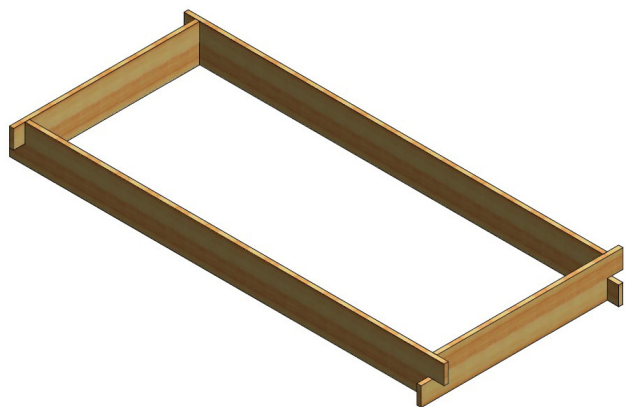


Continue erecting tower to final tower height repeating the AGR process as illustrated. Always ensure there is side protection to prevent falls. Platforms should be every 2m complete with handrails.

16



Once you have reached the desired working platform height. Correctly fit your Toe-board system as shown.



Correct assembly of toe-boards

DISMANTLE TOWER IN REVERSE EXCEPT WHEN DISMANTLING THE HANDRAILS

01



Unclip the 4 top hooks ensuring they do not re-engage the trapdoor platform.

02



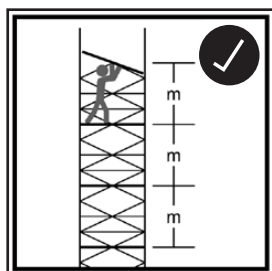
From the platform below, you can now remove both platforms above.

03

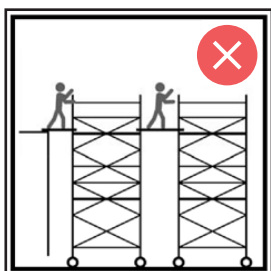


Unclip the bottom hooks of your AGR frames and remove. Be careful not to re-engage your top hooks.

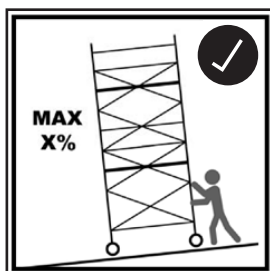
DO'S AND DON'TS WHEN WORKING WITH ACCESS TOWERS



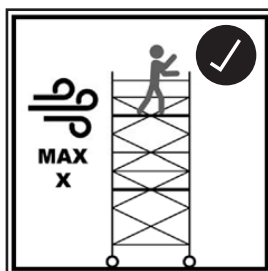
Maximum distance between platforms shall not exceed 2.25m except the distance to the first platform max 3.40m.



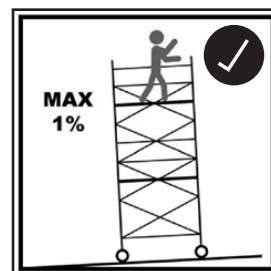
Do not bridge between towers or other structures. Please contact Access Towers for information on the correct equipment for Bridging Towers.



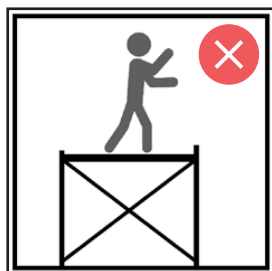
Maximum inclination for movement. Note the maximum angle allowed is defined by the manufacturer.



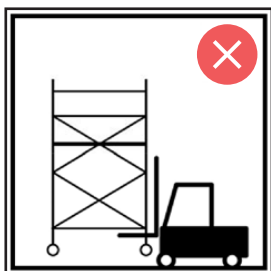
Do not build, dismantle or attempt to work on an access tower if the wind speed exceeds 17MPH.



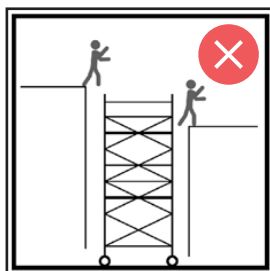
Maximum inclination for movement. Note the maximum angle allowed is defined by the manufacturer.



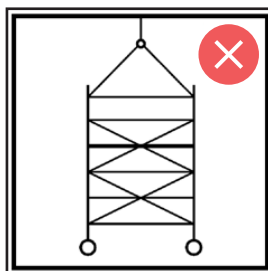
Do not stand on an unguarded platform.



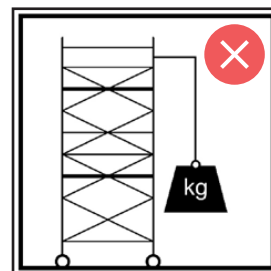
Do not lift the tower with mechanical equipment.



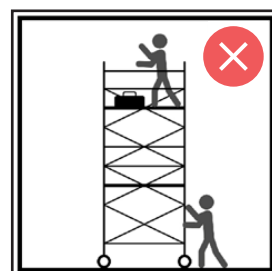
Do not use the tower for access and egress to other structures.



Do not suspend the tower.



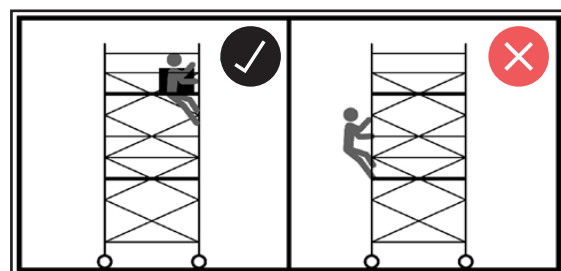
Do not lift heavy objects from the tower.



Do not move the tower with people or materials on it.



Do not use ladders, boxes or other objects to gain extra height.



Do not climb the outside of the tower.



Access Towers

➔ **Working at height specialists in London and The South East since 2004**

Since 2004, we've been on the road delivering Access Tower units for hire for your work at height needs... then collecting them once the job's done!

With competitive hire rates, Access Towers Services Ltd have become the go-to for hundreds of businesses for a wide range of demands, including access platform hire and scaffold tower hire. Our team of specialists are trained to a high standard for both customer support and service - allowing us to give you a reason to recommend the business to others.

We have happy, repeat customers across South East London including Croydon, Sutton and Mitcham. Our clients come back to us time and again because of our brilliant service and our extremely competitive prices. We're confident you'll get the best deal with us.

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