MOBILE ADVANCE GUARDRAIL TOWER

The Ascend Jumbo Scaffold is a unique design of towers, which allows us to access with the complete safety. Anti-slip steps platform with the safer access methods to assemble and dismantle. The number of components in the Tower- Kit is sufficient for proper installation.

WORKING HEIGHT		4	4.5	5.5	9	6.5	7.5	∞	8.5	9.5	10	10.5	11.5	12	12.5	13.5	14
TOWER HEIGHT		3	3.5	4.5	2	5.5	6.5	7	7.5	8.5	6	9.5	10.5	11	11.5	12.5	13
PLATFORM HEIGHT		2	2.5	3.5	4	4.5	5.5	9	6.5	7.5	8	8.5	9.5	10	10.5	11.5	12
SIZE: WIDTH 140 CM LENGT	ᅵᅟᅟ	255CM															
COMPONENTS	UNIT	V															
20CM WHEEL	7 70	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
ADJUSTABLE LEG	5.78	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
2 RUNG LADDER FRAME	4.70	1	0	1	1	0	1	1	0	1	1	0	1	τ	0	1	1
2 RUNG SPAN FRAME	3.70	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1
3 RUNG LADDER FRAME	08.9	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0
3 RUNG SPAN FRAME	5.40	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0
4 RUNG LADDER FRAME	9.00	1	1	1	2	2	2	3	3	3	4	4	4	2	5	5	9
4 RUNG SPAN FRAME	7.10	1	1	1	2	2	2	3	3	3	4	4	4	2	5	5	9
256.5CM TRAPDOOR PLATFORM	14.08	1	1	2	2	2	3	3	3	4	4	4	5	5	5	9	9
256.5CM STANDARD PLATFORM	13.70	1	2	2	2	3	3	3	4	4	4	5	5	5	9	9	9
255CM HORIZONTAL BRACE	2.32	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
275CM DIAGAONAL BRACE	2.46	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
255 CM ADVANCE GUARDRAIL	7.65	2	2	4	4	4	9	9	9	8	8	8	10	10	10	12	12
244CM WOODEN SIDE TOEBOARD	3.38	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
118CM WOODEN END TOE BOARD	1.84	2	2	2	2	2	2	2	2	2	2	2	2	7	2	2	2
300 CM LONG STABILIZER	4.64	0	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0
450CM LONG STABILIZER	5.90	0	0	0	0	0	4	4	4	4	4	4	0	0	0	0	0
600CM LONG STABILIZER	06.9	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4
TOWER WEIGHT IN KGS																	
2.55 MTR I ONG		1107	1160	107	1001	0 100	0 000	7	. 070	0.000	0 110		, ,,,	140			6 1/51

8. That no environmental changes influenc safe use of the MAT.

- 7. Whether the structure assembly is still correct and complete.
- 6. Before each use check that the MAT is vertical or need readjustment.
 - 5. Check that there are no power lines or obstruction overhead.
 - 4. Wind speed should not exceed 29km/h(Beau fort force 4).
- 3. Raise the stabilizer feet only enough (25mm) to clear the obstructions.
 - Check the location is firm and free from pot holes. eposition stabilizer before use.

the weight of the structure. Make sure tower height is not above 4 mtr while moving the tower. Recheck the tower level and speed should not be exceeded during relocation. The ground over which a tower is moved should be capable of supporting from the base. The tower should only be moved manually on firm, level ground which is free from obstacles. Normal walking 1. If you must move a tower, remove all materials and personnel. When moving a scaffold tower, force must always be moved

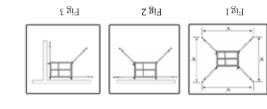
: A SMOVING A TOWER :

(E giH) stabilizer and place the outside two parallel with the wall. To position the tower in a corner, remove the inside

To position the tower against a wall, do not remove the stabilizer; move parallel with the wall. (Fig 2)

position, tighten the clamps firmly. the clips with locking pin are in place. When in the correct possible. Position the stabilizers so that the footpads are approximately equidistant from each other, as shown in Fig 1. Adjust the stabilizer and reposition the clamps as required to make firm contact with the ground. Ensure bottom rung. Ensure the lower arm is as horizontal as each corner post. Position the lower clamp above the Lightly tighten the upper clamps above the third rung on

> ABLE TO SUPPORT TOWER ALWAYS ENSURE STABILIZER SIZE IS CORRECT AND



the structural stability of the tower Stabilizers are to be used, when specified, to guarantee

USE OF STABILIZERS

Under no circumstances damage or incorrect components shall be used, Either repair it or get replacement. Adjustable leg's thread should be clean and lightly oiled. abuse may reduce the structural integrity of the scaffold tower. hammers etc. Do not throw components in and out of vehicles or to the ground when the tower is being dismantled. Such Do not misuse or abuse the scaffold tower with heavy objects,

scaffold tower equipment, consult the manufacturer. If in any doubt about the proper use and maintenance of the

ensure they fit to other components without being forced. The inside diameter of all hooks should be kept clean to

Please check that spigot are in to the position and should fit

lubricate with light oil.

Ensure that all locking hooks function correctly. If necessary

ensure that the frame rungs are kept clean. Where brace, ladder and platform hooks attach the frames,

Check frames and braces, adjustable legs and boards for paint, grit, burrs etc. Remove any foreign substance with a light wire

secured by an interlock clip. Spigots and sockets should fit together with ease and be

Position the stabilizers symmetrically to obtain the MAXIMUM BASE Grease all moving parts with commercial oil. Wipe off excess oil.

Ensure that the scaffold tower is kept clean.

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MAINTENANCE RULES



"JUMBO" TOWER INSTRUCTION MANUAL AGR METHOD



WHEEL STABILIZER

MANUFACTURER OF ALUMINIUM & FIBER GLASS SCAFFOLD TOWER AND LADDERS

A risk assessment has been done and safety equipment (Rope etc) and auxiliary tools are available on site for erection and dismantling the tower. **GENERAL SAFETY RULES**

- should be checked to prevent hazards while working on the tower. Level and slo rds during erection a slope, obstruction a

22. Always tie the tower when it is left unattended

Guardrails and toe boards must be fitted to the working platforms.

Never jump on to or off platforms.

Never place the working platform on the guardrail frame. Always keep double height guardrail at each platform levels, never stand on an unguarded platform.

When lifting materials or components always use reliable lifting materials to ensure there is no possibility of it falling.

20. Always lift components from inside the tower.

19. Do not work from ladders or stairways, they are a means of access only.

- Check instructions before use. Mobile access working towers may only be erected and dismantled by person competent for working on aluminium movable tower.
- Do not erect a scaffold tower on unstable ground, slopes or objects such as loose bricks nsure that the scaffold tower is always level and the adjustable Only a sound rigid footing must be used. the

27.

insure that all frames, functioning correctly. Ensure that all frame locking clips are engaged. braces and platforms are firmly in place and that all locking hool

29.

Should you require additional platform height, add further frames

turther trames. NEVER extend your levelling only. NEVER use a ladder or

NEVER extend

adjustable legs to achieve extra height, these are for levelli other objects on the platform to achieve additional height.

28. Beware of horizontal forces (e.g. when using power tools), which could generate

instability or overturning of the tower. Maximum horizontal force 20kg.

 The tower should always be accessed from the inside using the ladder frame, never climb up from outside. Ensure that the locking hooks on the platform are functioning correctly. DO NOT exceed the safe working load of the platform or structure by accumulating debris, material tools on platforms as these can be a significant additional load.

30. Do not throw the scaffold parts, always lower them to the ground.

: is recommended that the vertical distance between two platform laximum vertical distance between platform level must not exceed 4 mtr.

that the

- insure that the scaffold tower is within the maximum platform height stated, and that the
- Outdoor scaffold towers should, Outdoor scaffold towers should, wherever possible, structure. It is good practice to tie in all scaffold towers are left unattended, or in exposed or windy conditions be secured to a building of any height, especially w 윽

33.

- Do not erect or use a scaffold tower near un-insulated, machinery or circuits, or near machinery in operation. energised electrical

Do not use sheeted towers.

Do not lean ladders against the tower, or climb outside of tower. access system, it should only be used inside the tower.

17.

- 31. Mobile towers are not designed to be lifted or suspended. Permissible load according to scaffold load group is 200 kg/m2. It is not permissible to attach and use hoisting facilities on towers, unless specifically provided for by the manufacturer. For single width tower maximum working height for both interior and exterior work is 8 mtr.
 If the platform height reaches more than 6 mtr for single width and 8 mtr for the double width scaffold, then it should be secured against the wall prior to use.
 Always tie to a solid structure, while tying the tower attach a tie at 4 mtr interval. According to HD 1004 the double width tower must not be exceeded 12 mtr to top platform for indoor use and 8 Mtr platform height (working height 10 mtr) for outdoor
- The maximum working load on the Ascend span 50 is 750 kg for overall structure (including tower self weight) and 250 kg evenly distributed on the platform. This must not be exceeded. The safe working load at each level of platform is 360 kg evenly distributed. Therefore, if two platforms are installed side by side, total cumulative load shall not exceed 360kg distributed. Do not overload the scaffolding tower.

Always take care of Aluminium scaffold tower equipment. Remember your safety depends on the safe erection and use of the equipment.

ASCEND ACCESS SYSTEMS SCAFFOLDING L.L.C.

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JUMBO TOWER INSTRUCTION MANUAL

The law requires that the personnel erecting, dismantling Or altering the tower must be competent. Any person erecting Ascend Mobile Tower must have a copy of this guide.



Step 1 Press STOP and *Lock Brakes on all* castor wheels.



Step 2 Insert castor and adjustable lea in to the 2 rung span and ladder (or base frame)

Make sure all the adjusting nuts are approximately at the same height.



Step 3 Add two horizontal braces, blue colour coded to the bottom of the span frame and ladder frame rungs .Brace hook facing outside from the Inside.



Step 4 Level the Mobile Tower. using sprit level. Use the adjustable jack of the wheel if require to level the tower



Step 5 Fit one span frame and one ladder frame to the lower frame. Make sure ladder frame is in one line.

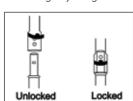
Step 10 Fit stabilisers ASAP to increase

so that the foot pads are approximately

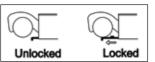
equidistant from other at 45° for

maximum stability.

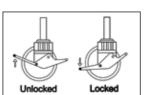
the base dimension . Position the stabilizer



2)Snap pins - Unlock the interlock Clips Position.



on the platform at the hook. This is



4)Wheel lock - Install castor / leg assem-



Step 6 After adding frames engage Interlocking clips.



Step 7 Fit two diagonal braces yellow colour coded from 1st rung to 3rd rung of the frame , braces must be positioned in the opposite Direction as shown.



Step 8 Add advance guardrail frame to the top rung on both the sides.



Step 9 Position one standard & one trapdoor three rungs lower from the top.Make sure trapdoor opening on the side of ladder frame. Apply wind lock. As Illustration3



Step 14 Add toe boards to complete the structure. Slide the side board into the correct slot in the end boards, ensuring the object cannot fall through & the trapdoor can open fully.



Step 11 Standing on the platform continue to build the structure following step 5,6,8 & 9.



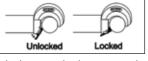
Step 12 Add two advanced guardrail frames to the top rungs of tower.



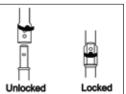
Step 13 Position platforms three rungs lower from the top and apply wind lock.

ILLUSTRATION





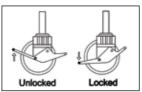
1)Brace lock - Sort the braces into horizontal and diagonal braces, the diagonal brasses are slightly longer in size.



on all frames. When installed, always move the interlock clip to the "Locked"



3)Windlock - A windlock clip is installed locked as shown here.



bly to frame by pushing the leg into the frame tube. This Should be done with manual force only, no tools. Lock Castors before ascending any part of the tower.

IMPORTANT NOTICE PLEASE DISMANTLE IN REVERSE FROM BUILD SAFELY

Dismantling is the reverse except when dismantling the Advance guardrails, Unclip the four end of the hooks and then remove the platform. Do not remove the Advance guardrails while standing on the platforms to avoid any risk of fall