MAINTENANCE RULES

Ensure that the scaffold tower is kept clean.

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

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

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

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

Ensure that all locking hooks function correctly. If necessary lubricate with light oil.

Please check that spigot are in to the position and should fit easily into frames.

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

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

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. Adjustable leg's thread should be clean and lightly oiled. Under no circumstances damage or incorrect components shall be used , Either repair it or get replacement.

USE OF STABILIZERS

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

Fig 1 Fig 2 Fig 3

ALWAYS ENSURE STABILIZER SIZE IS CORRECT AND ABLE TO SUPPORT TOWER

Lightly tighten the upper clamps above the third rung on each corner post. Position the lower clamp above the bottom rung. Ensure the lower arm is as horizontal as 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 the clips with locking pin are in place. When in the correct position, tighten the clamps firmly.

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

To position the tower in a corner, remove the inside stabilizer and place the outside two parallel with the wall. (Fig 3)

MOVING A TOWER :

1. If you must move a tower, remove all materials and personnel. When moving a scaffold tower, force must be applied always 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. Make sure tower height is not above 4 mtr while moving the tower. Recheck the tower level and reposition stabilizer before use .
2. Check the location is firm and free from pot holes .
3. Raise the stabilizer feet only enough (25mm) to clear the obstructions.
4. Wind speed should not exceed 29km/h(Beau fort force 4).
5. Check that there are no power lines or obstruction overhead.
6. Before each use check that the MAT is vertical or need readjustment.
7. Whether the structure assembly is still correct and complete.
8. That no environmental changes influenc safe use of the MAT.
9. In accordance with current regulations any tower that has been assembled must be checked every 7 days (minimum)to ensure tower continues to comply with the regulation.
10. That the mobile access tower is vertical or need readjustment.

Beaufort Scale	Description	Air Speed	Action
0	Calm, smoke rises easily	1mph	None Required
<3	Leave & small twigs in constant motion, wind extends light flag	12mph	No Immediate action required
4	Moderate breeze, small branches move	17mph	Cease work
5	Strong breeze, large branches bend	25 mph	Tie tower to a rigid structure
>6	Walking progress impeded	40 mph	Dismantle tower if such conditions are expected

EASE UP TOWER KIT LIST

The ASCEND "EASE UP" gives an exceptionally versatile tower for working in normal applications all frames can be used as upper or lower sections ,simply place the platform on the third rung from the top of the tower and correct guardrail height is achieved. The number of trapdoor platform in the tower kit is sufficient to assemble and dismantle the tower using 3T method .

SIZE: WIDTH 80 CM LENGTH 180CM, 208CM, 255 CM

WORKING HEIGHT		3.2	3.7	4.2	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3
TOWER HEIGHT		2.2	2.7	3.2	3.8	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3
PLATFORM HEIGHT		1.2	1.7	2.2	2.8	3.3	3.8	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3
COMPONENTS	UNIT WEIGHT															
WHEEL	5.78	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
ADJUSTABLE LEG		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
2 RUNG LADDER FRAME	4.10		1	1			1	1			1	1			1	1
2 RUNG SPAN FRAME	3.10		1	1			1	1			1	1			1	1
3 RUNG LADDER FRAME	5.70		1		1		1		1		1		1		1	
3 RUNG SPAN FRAME	4.40		1		1		1		1		1		1		1	
4 RUNG LADDER FRAME	7.60	1		1	1	2	1	2	2	3	2	3	3	4	3	4
4 RUNG SPAN FRAME	5.70	1		1	1	2	1	2	2	3	2	3	3	4	3	4
TRAPDOOR PLATFORM	13.25	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4
HORIZONTAL BRACE	1.75	6	6	6	6	10	10	10	10	14	14	14	14	18	18	18
DIAGAONAL BRACE	1.87	2	3	3	4	5	6	7	8	9	10	11	12	13	14	15
SIDE TOE BOARD	1.66	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
END TOE BOARD	0.98	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
300 CM LONG STABILIZER	4.50			4	4	4	4	4	4	4						
450CM LONG STABILIZER	5.60										4	4	4	4	4	
600CM LONG STABILIZER	7.60															4
TOWER WEIGHT IN KGS																
1.8 MTR LONG		69.19	75.06	96.26	114.28	126.35	132.22	137.29	155.31	167.38	177.65	182.72	200.74	212.81	218.68	231.75
2.08 MTR LONG		72.40	78.44	99.64	119.58	132.42	138.46	143.70	163.64	176.48	186.92	192.16	212.10	224.94	230.98	244.22
2.55 MTR LONG		75.86	82.16	103.36	123.96	138.26	144.56	150.06	170.66	184.96	195.66	201.16	221.76	236.06	242.36	255.86

GENERAL SAFETY RULES

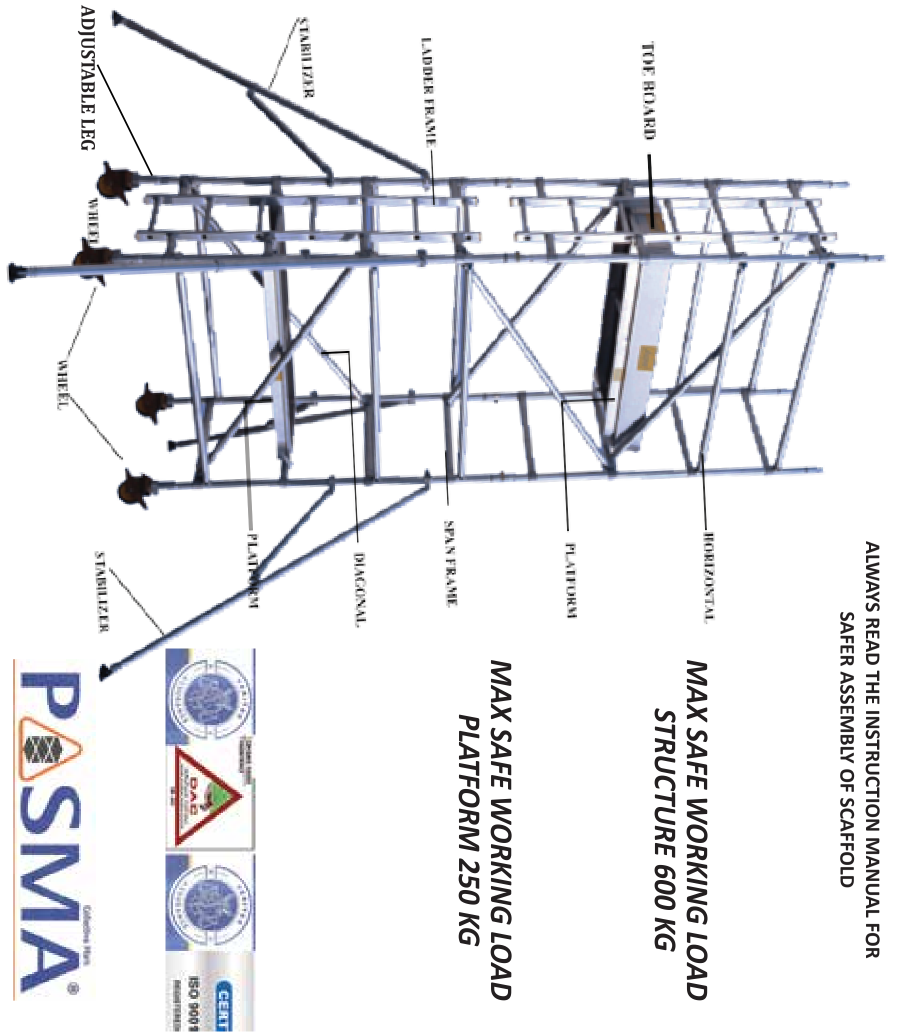
1. A risk assessment has been done and safety equipment (Rope etc) and auxiliary tools are available on site for erection and dismantling the tower.
2. The ground condition will take the working load as specified .
3. The location of tower should be checked to prevent hazards during erection & dismantling, moving and while working on the tower. Level and slope, obstruction and wind condition should be checked.
4. Minimum 2,3 persons are required to safely erect and dismantle the tower.
5. Check instructions before use. Mobile access working towers may only be erected and dismantled by person competent for working on aluminium movable tower.
6. 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.
7. Do not erect a scaffold tower on unstable ground, slopes or objects such as loose bricks, boxes or blocks. Only a sound rigid footing must be used.
8. 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.
9. 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. Never mix parts or components from other manufacturers. Damaged components should be replaced with the new components.
10. It is recommended that the vertical distance between two platform level is 2mtr. Maximum vertical distance between platform level must not exceed 4 mtr.
11. Ensure that the scaffold tower is within the maximum platform height stated, and that the appropriate stabilizers or outriggers shall always be fitted when specified.
12. 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.
13. A free standing scaffold tower must not be used in winds stronger than 17mph/27kph/ Beaufort scale 4. Be cautious if erecting or using the tower in open places, such as hangers or un-cladded buildings. In such circumstances the wind forces can be increased, as a result of the funnelling effect.
14. Do not use sheeted towers.
15. Do not erect or use a scaffold tower near un-insulated, live or energised electrical machinery or circuits, or near machinery in operation.
16. If an overhead hazard exists, head protection should be worn.
17. Do not lean ladders against the tower, or climb outside of tower. Whatever your intended access system, it should only be used inside the tower.
18. Never climb on horizontal or diagonal braces. Do not gain access or descend from the working platform other than by the intended access system.
19. Do not work from ladders or stairways, they are a means of access only.
20. Always lift components from inside the tower.
21. When lifting materials or components always use reliable lifting materials to ensure there is no possibility of it falling.
22. Always tie the tower when it is left unattended .
23. Guardrails and toe boards must be fitted to the working platforms.
24. Never jump on to or off platforms.
25. Never place the working platform on the guardrail frame. Always keep double height guardrail at each platform levels, never stand on an unguarded platform.
26. 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.
27. 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.
28. Beware of horizontal forces (e.g. when using power tools), which could generate instability or overturning of the tower. Maximum horizontal force 20kg.
29. 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.
30. Do not throw the scaffold parts , always lower them to the ground.
31. Mobile towers are not designed to be lifted or suspended. Permissible load according to scaffold load group is 200 kg/m2. Load Class 3.
32. It is not permissible to attach and use hoisting facilities on towers, unless specifically provided for by the manufacturer.
33. According to EN 1004 : 2004 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 use.
    - 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.
34. The maximum working load on the Ascend EASE UP is 600 kg for overall structure (including tower self weight) and 250 kg evenly distributed on the platform. This must not be exceeded. Do not overload the scaffolding tower.
35. Always take care of Aluminium scaffold tower equipment. Remember your safety depends on the safe erection and use of the equipment.
36. It is not permissible to attach bridging between a tower and a building.

MANUFACTURER OF ALUMINIUM & FIBERGLASS SCAFFOLD TOWER AND LADDERS

ASCEND

"EASE UP" TOWER INSTRUCTION MANUAL 3T METHOD

ALWAYS READ THE INSTRUCTION MANUAL FOR SAFER ASSEMBLY OF SCAFFOLD



MAX SAFE WORKING LOAD STRUCTURE 600 KG

MAX SAFE WORKING LOAD PLATFORM 250 KG

PASMA(UK)APPROVED SCAFFOLD TOWER TRAINING CENTER

ASCEND ACCESS SYSTEMS SCAFFOLDING L.L.C.

Tel : +971 4 885 5001
Toll Free : 800 722 33653
Email : sales@ascenduae.com
Website : www.ascenduae.com

EASE UP 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.

Step1 Press **STOP &** *Lock Brakes on all castor wheels.*

Step 2 *Insert castor and adjustable leg* 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 vertical member of the frame, as low as possible. All horizontal Brace must fit from inside the tower facing out.*

Step 4 *Add further frames ensuring the ladder frames are in line.*

Step 5
Engage Snap pins to the frames
(As Illustration 2)

Step 6 *Position diagonal braces YELLOW colour coded From the first rung of both frame in a zig zag pattern from 1st to 3rd rung & 3rd to 5th rung either side of the tower* opposing each other as illustrated
Make sure diagonal brace is aligned.

Step 7 *Position trapdoor platform* on 3rd rungs from the top
Make sure the trapdoor opens to the ladder side. Engage windlock.
(As ILLUSTRATION 3)

Step 8 Check with the spirit *level on both length and width,* side of the tower, adjust the wheel *if it is required to level the tower.*

Step 9 *Add four* stabilizer *to the structure at the earliest opportunity.* Position the stabilizer so that the footpads *are approximately equidistant from the other 45° for maximum stability, ensure* lower arm as horizontal as possible.

Step 10 Sitting through the trapdoor add two horizontal braces on 5th & 6th rung ,two each on both end of the frame.

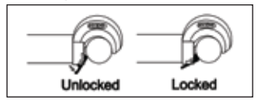
Step 11 Continue to build the tower using the 3T method as step 4,5,6, 7,10. Till the desired height is achieved.

Step 12 *Position platform at final height 3rd rung from the top . Ensure windlock system is applied*
Sitting on the platform fit two horizontal braces on both open sides of platform.

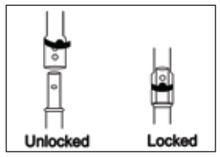
Step 13 *Fit the toe board .Slide the side board into the correct slot in the board. Ensuring the object shouldn't fall and trap door opens fully.*

ILLUSTRATION

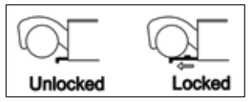
Assembly Process



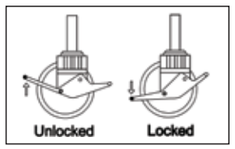
1)Brace lock - Sort the braces into horizontal and diagonal braces, the diagonal brasses are slightly longer in size.



2)Snap pins - Unlock the interlock Clips on all frames. When installed, always move the interlock clip to the "Locked" Position.



3)Windlock - A windlock clip is installed on the platform at the hook. This is locked as shown here.



4)Wheel lock - Install castor / leg assembly 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.

DISMANTALING THE TOWER

Please Dismantle the Tower reverse from build process.

EASE UP INSTRUCTION MANUAL

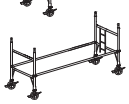
1.7m Baseout

This base out will allow the operative to achieve 1.8m,3.8m,5.8m,7.8m,9.8m and 11.8m Platform heights

1: Fit leg and castor assembly into the 2 rung Span Frame and in 2 rung Ladder Frame

2: Fit horizonal brace on frame lower rung on each side as shown

3: Attach both horizontal braces to Ladder frame as shown in illustration



4: Fit 3 rung Span and Ladder frames,ensure the circlips are locked

5: Fit 2 diagonal braces in opposing direction from the 1st rung to the 3rd rung as shown

6: Place platform on the 3rd rung ensuring hatch is to the ladder side and it opens outwards.check the platform is secure and level then lock the wind locks.

7: Fit the stabilisers ensuring that the maximum footprint is achieved.

8: Using the 3T method of assembly,fit horizontal bracing on the 4th and 5th rungs.The platform is now safe Stand On.

2.7m Baseout

This base out will allow the operative to achieve 2.8m,4.8m,6.8m,8.8m and 10.8m Platform heights

1: Fit leg and castor assembly into the 3 rung Span Frame and in 3 Rung Ladder Frame.

2: Fit horizonal brace on frame lower rung on each side as shown

3: Attach both horizontal braces to Ladder frame as shown in illustration

4: Fit 2 diagonal braces in opposing direction from the 1st rung to the 3rd rung as shown.Fit 4rung ladder and span frame,ensure the circlips are locked

5: Fit the stabilisers ensuring that the maximum footprint is achieved.

6: Fit another 2 diagonal braces in opposing direction from the 3rd rung to the 5th rung.

7: Place platform on the 5th rung ensuring hatch is to the ladder end and it opens outwards. check the platform is secure and level then lock the windlocks.Using the 3T method of assembly,fit horizontal bracing on the 6th and 7th rungs,the platform is now safe to stand on.Please note you need to use a Platform on the 1st Rung

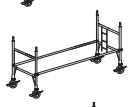
2.0m Baseout

This base out will allow the operative to achieve 2.3m,4.3m,6.3m,8.3m and 10.3m Platform heights

1: Fit leg and castor assembly into the 2 rung Span Frame and in 2 Rung Ladder frame.

2: Fit horizonal brace on frame lower rung on each side as shown

3: Attach both horizontal braces to Ladder frame as shown in illustration



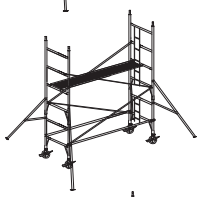
4: Fit 4 rung Span and Ladder frames,ensure the circlips are locked

5: Fit 2 diagonal braces in opposing direction from the 1st rung to the 3rd rung as shown

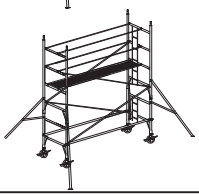
6: Place platform on the 4th rung ensuring hatch is to the ladder side and it opens outwards.check the platform is secure and level then lock the wind locks.

7: Fit the stabilisers ensuring that the maximum footprint is achieved.

5: Fit 2 diagonal braces in opposing direction from the 3rd rung to the 5th rung as shown



9: Using the 3T method of assembly,fit horizontal bracing on the 5th and 6th rungs.The platform is now safe Stand On.



"Do not stand on the unprotected platform"

ASCEND ACCESS SYSTEM SCAFFOLDING
NADD AL HAMAR, DUBAI
UNITED ARAB EMIRATES

CERTIFICATE
OF
REGISTRATION

This is to certify that the management system of

Ascend Access Systems Scaffolding L.L.C

PO.Box: 182519, Nad Al Hamar, Dubai, United Arab Emirates.

has been assessed and registered by
Veritas Assurance International as conforming to the requirements of

ISO 9001:2015

Quality Management System

The Quality Management System is applicable to

**Fabrication, Supply & Installation of Light and Heavy Scaffolds,
Manufacturing of all types of Scaffolds Accessories & Ladders,
Scaffolds Maintenance and Repair Works and Scaffolds Renting Services.**

Certificate No : 321183

Original approval date : 05 - 04 - 2018 | Certificate issue date : 05 - 04 - 2018 | Certificate valid till : 04 - 04 - 2021

1st Surveillance due before : 04 - 04 - 2019 | 2nd Surveillance due before : 04 - 04 - 2020

Authorised Signatory
Veritas Assurance International

Full Member of IAF

Accredited by United Accreditation Foundation (UAF) - Full Member of IAF
3510, Colmar, Norfolk, VA 23509, United States of America (USA).

This certificate remains valid while the holder maintains the management system in accordance with the standard(s) above, which will be periodically audited by Veritas Assurance International.

This certificate remains the property of Veritas Assurance International and must be returned on request. In the issuance of this certificate, Veritas Assurance International assumes no liability to any party other than to the client, and then only in accordance with the agreed upon certification agreement. Validity of this certificate may be confirmed at www.veritasassurance.com, directly through QR code by using any device with correct information or email to admin@veritasassurance.com.

VERITAS ASSURANCE INTERNATIONAL
www.veritasassurance.com

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Occupational Health & Safety Management System

The Occupational Health & Safety Management System is applicable to

**Fabrication, Supply & Installation of Light and Heavy Scaffolds,
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Certificate No : 321184

Original approval date : 05 - 04 - 2018 | Certificate issue date : 05 - 04 - 2018 | Certificate valid till : 04 - 04 - 2021

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