UTS 232 DOUBLE WIDTH COMPATABILITY

Euro: 232 Double

Instruction Manual

Mobile Access Tower

3T - Through the trap method

SAFETY & SURED
CERTIFIED
BS EN 1004-1:2020
BS EN 1004-2:2021
SS004
testandresearch.org

Instruction Manual

This Assembly Guide is intended to provide you with step-by-step instructions on how to erect your Mobile Access Tower (MAT) with ease and safety, using the 3T (through the trap) method.

You should read and understand all notes and diagrams, including the parts list for each height, before commencing assembly. Personnel should be qualified or competent to erect this tower.

Please consult the PASMA's code of practice for full information on the use of Mobile Access Towers.

Remember to do a risk assessment of the area where the tower is to be used before commencing erection.

This instruction manual shall be available on the location of use of the mobile access and working tower.

This mobile access and working tower shall only be used according to this manual without any modification.

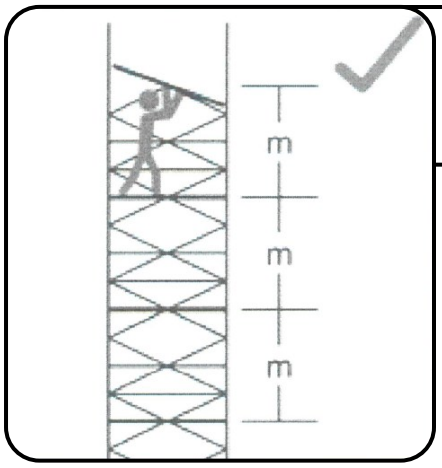
Mobile access and working towers must only be used in accordance with national regulations.

UTS SALES & REPAIR LTD

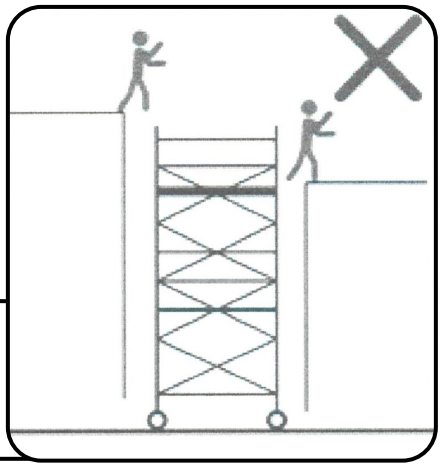
Manufactured to: BSEN1004-1:2020 CLASS 3 8/12 XXXD H2

Instruction Manual EN 1004-2 en

HEALTH AND SAFETY WARNINGS

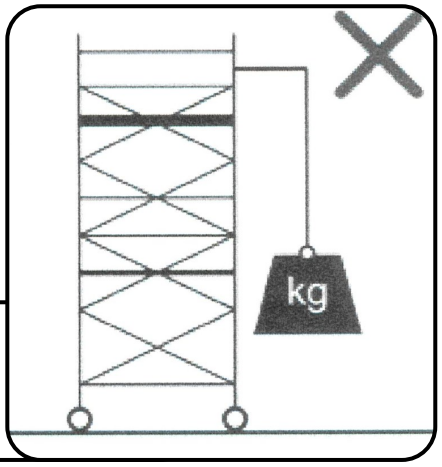


Maximum height between platforms of 2.2m

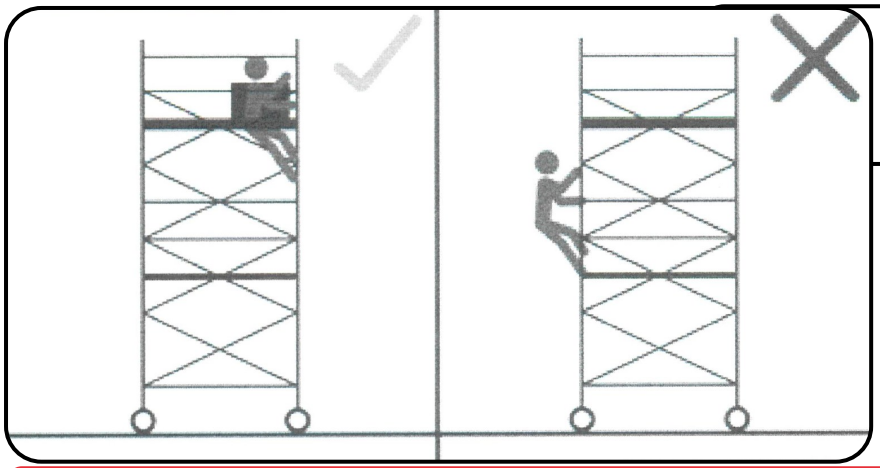


Do not use the tower as a form of access or exit

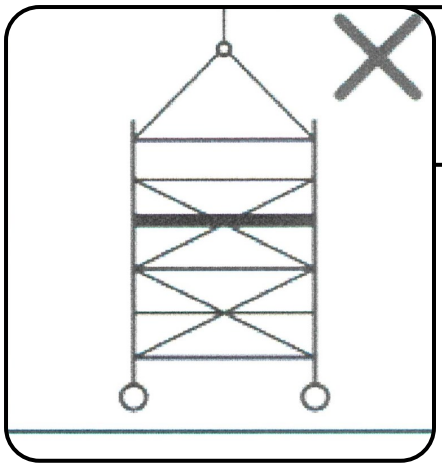
Do not use ladders, boxes or and other objects to gain additional height.



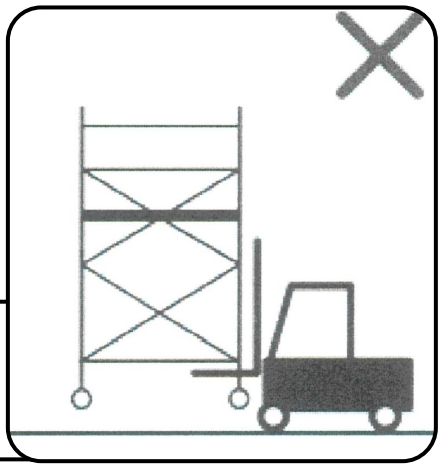
Do not lift heavy objects from the tower



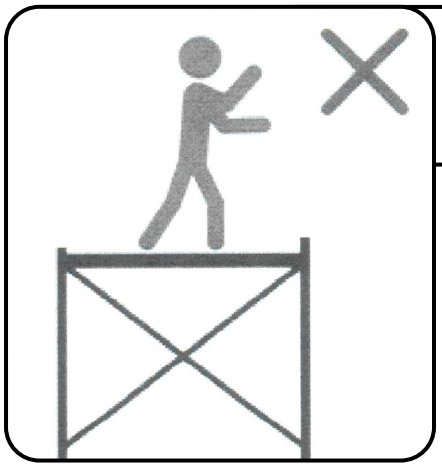
Do not climb outside of the tower, only climb up inside the tower.



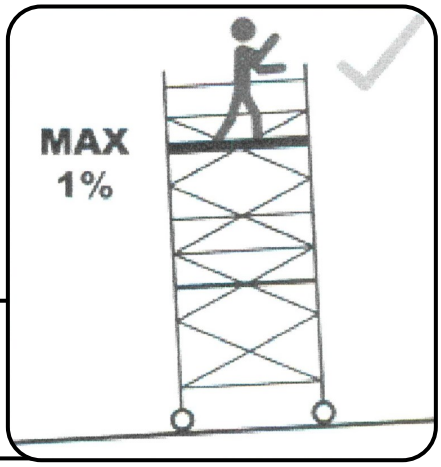
Do not suspend or lift the tower



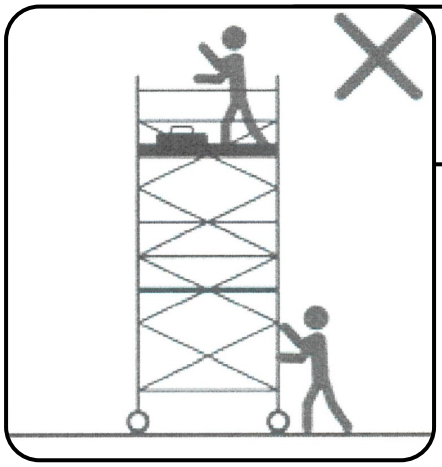
Do not lift the tower with mechanical equipment



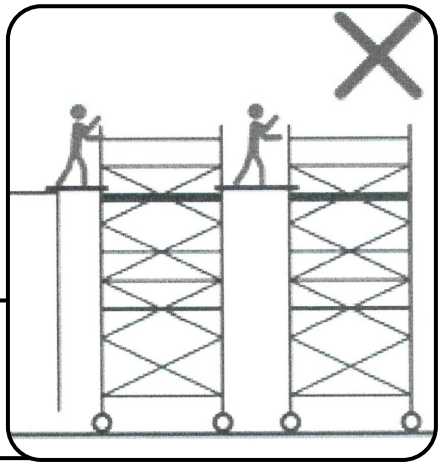
Do not stand up on an unguarded platform



Maximum inclination for working = 1%



Do not move the tower with material or people on it



Do not bridge between towers or other structures

UTS 232 DOUBLE WIDTH COMPATABILITY

Instruction Manual

Mobile Access Tower

Contents

Forword on Compatibility:

If building a hybrid compatible tower the user must use this manual.

Compatible Towers:
UTS 232 Tower, manufactured to BSEN1004-1:2020 CLASS 3 8/12 XXXD H2, **T&R TM 1008**.
Euro 232 Tower, manufactured to BSEN1004-1:2020 CLASS 3 8/12 XXXD H2, **T&R TM1007** .
We are claiming compatibly of the **UTS 232** tower with the **Euro 232** tower. Independent testing has been carried out by **The Test and Research Centre** under the **PASMA** Compatibility Protocol 2023, to award the PASMA Safe and Sure Mark and a Certificate of Conformity to confirm conformance with the Compatibility Protocol.
This means that the **UTS 232** tower can provide either a partial or dominant system when used in conjunction with the **Euro 232** tower, and that all components from the 2 different towers can be interchanged and used where instructed.
The purpose of this manual is to show the user how to safely erect a hybrid tower composing of any combination of components by showing how to erect a **UTS 232** tower while also showing the equivalent **Euro 232** tower components that can be used instead.

Copies of all certification are available from UTS upon request.

Description, Safety Notes & Fittings

Description

The UTS 232 DOUBLE WIDTH tower is manufactured to BSEN1004-1:2020 CLASS 3 8/12 XXXD H2 and TARGET MARKED. The TARGET MARK is a recognised symbol that reassures the user that the product is certified to BSI stated standards.
The UTS 232 DOUBLE WIDTH tower is a lightweight aluminium industrial tower designed for use in a variety of commercial and domestic environments. It gives a safe and secure and robust work area at a range of heights indoors and outdoors to enable maintenance, installation work and short term access, ensuring that working at height is as safe as possible.

- Instructions for erection and use to be followed carefully.
- The UTS 232 DOUBLE WIDTH has a maximum working platform height of 8.2 meters indoors and 12.2 meters outdoors.
- This is a Load Class 3 MAT, therefore maximum permissible load on the UTS 232 DOUBLE WIDTH tower is 750kgs and evenly distributed on each platform is 250kgs. This must not be exceeded over the working height platforms, not including rest platforms.
- Maximum of 1 working platform per tower.
- Maximum of 2 people per working platform.
- Damaged or incorrect components shall not be used.

Risk analysis

Proper risk analysis of our towers reveals that all components are integral to the safety of the tower once assembled, and while assembling is the greatest period of risk. If the user follows the instructions set out in this manual it will contribute to the reduction of risk of injury, this along with the PASMA training recommended in the manual should be enough to significantly reduce the risk possibility down to improbable if not impossible.
The components have been designed in such a way that they can be assembled in an order that allows for minimal risk to occur, such as making locking parts easy to lock but harder to unlock to ensure easy assembly but prevent accidental removal during use, and colour coding parts that are harder to distinguish between. Instructions in the manual and training courses are very clear about how to access the tower and the correct method is displayed on the tower as a reminder, but ensuring all components and materials are of the highest standard, means we can be confident that even if misuse was to occur, we can be confident that the components would be able to still prevent injury.
It is important to limit the risk of all tasks especially when working at height. It is the user's responsibility to complete a risk assessment then use that to reduce the risk associated with the task (a blank one can be found at the back of this manual). Once the full risk assessment is completed and all hazards have been identified and controlled it is down to the user to decide if there is still too much risk in which case do not erect or use tower and look for alternative access arrangements.

Safety Notes

ERECTION & DISMANTLING - THE 3T(through the trap) METHOD

Towers should be erected following a safe method of work, there are two approved methods recommended by 'Prefabricated Access Suppliers & Manufacturers Association' (PASMA) in co-operation with the Health and Safety Executive (HSE) & the "working at height regulations 2005"
The method used for erecting and dismantling the UTS 232 DOUBLE WIDTH tower is the 3T METHOD (through the trap).
This method ensures the operators erecting the tower position themselves in the trapdoor of the platform to add or remove horizontal guardrail braces for the level above the platform.

NEVER STAND ON AN UNGUARDED PLATFORM.

Before assembly or erection of this Mobile Access Tower (MAT) please ensure that:

- A risk assessment has been done and all safety equipment is on site.
- The ground conditions will take the working loads of MAT as specified.
- Always check that the MAT is vertical, (Level, slope, uneven ground etc.) if levelling is required make sure you adjust legs , in line with instructions (use spirit level).
- Beware of (overhead) obstructions – live wires, electrical apparatus or moving parts of machinery or other.

- Wind conditions are within limits as specified. (Refer to page 7)
- Do not use boxes, ladders, or other devices on the platform to gain additional height.
- If in doubt DO NOT ERECT.
- Check that all components are on site and that they are in good working order before use (refer to the components and quantities shown at each stage). Auxiliary equipment and safety equipment. (ropes, etc)
- All platforms MUST have horizontal guardrails fitted.
- The tower should always be accessed from the inside using the rungs of the end frames.
- Never climb up the outside.
- Use of Scaffolding tags or similar is required during use to ensure all correct safety information is on display; **MUST INCLUDE**:
    - The name and contact details of the responsible person.
    - If the tower is ready for application or not.
    - The load class and the uniformly distributed load.
    - If the mobile access and working tower is intended for indoors use only.
    - The date of assembly.
- Do not use the guardrail braces as a rung or step.
- It is recommended that 2 persons erect this tower.
- The assembled tower should not be used as a means to enter or exit other structures, e.g. as a stair tower.
- Beware of horizontal forces (e.g., when using power tools on an adjacent structure), which could generate instability or overturning of the tower.
- Maximum distance between platforms is 2.25m, maximum distance to the first platform is 3.4m.
- Maximum horizontal force 30kgs.
- Mobile access and working towers are not designed to be sheeted
- The tower height used should be appropriate for the working height, e.g. within 2 meters above the platform
- User training courses cannot be a substitute for instruction manuals but only complement them.
- Only the original UTS or Euro Tower components specified in the manual shall be used.
- Mobile access and working towers designed in accordance with BS EN 1004-1:2020 are not anchor points for personal fall arrest equipment.
- Working is only permitted on a platform with a complete side protection including guardrails and toe boards.
- Mobile access and working towers are not designed to be used as edge protection.

STABILISERS & BALLAST

Stabilisers or outriggers and ballast shall always be fitted when specified. When using the MAT externally stabilisers must be fitted. Should ballast be required, a platform should be positioned on the lowest rung and the weights should be firmly attached to it and evenly distributed. For advice on ballast contact your supplier.

MOVING THE TOWER AND LEAVING IT UNATTENDED

- Adjust the stabilisers to provide ground clearance.
- Unlock the castor wheels.
- Move with manual force only, and only from the base.
- Beware of (overhead) obstructions – live wires, hanging apparatus or other objects.
- Do not move with people or material on the tower.
- Do not move the assembled MAT if wind speeds exceed a moderate breeze.
- When moving the tower over uneven or sloping ground remove all tools.
- Do not move the assembled tower if over 4 meters high.
- Mobile access and working towers shall only be moved on a flat and solid ground without obstacles and not on a slope of more than 10mm/1m
- It is recommended that towers should be tied to a solid structure, when left unattended.
- Recheck that the MAT is vertical or needs readjustment of legs before ascending. (Using spirit level)
- Relock Caster brakes and readjust the stabilisers once in the new position before ascending.
- Check to make sure all components are there before using after moving or leaving unattended.
- Recheck environment before using tower after it has been moved or left unattended.

LIFTING OF EQUIPMENT

Tools and other equipment should be hauled up by a person on the platform using rope or similar, through the trapdoor of the platform or within the tower footprint.
Please see footprint guide on page 24.
Safe working loads of platform and tower not to be exceeded.

LIFTING OF INDIVIDUAL TOWER COMPONENTS

Raising and lowering components, tools and/or materials by rope should be conducted within the tower base (i.e. within the area bounded by the stabilisers). Ensure that the safe working load of the supporting decks and the tower structure is not exceeded.
Check for environmental changes before every use. (i.e.: all weather conditions).

Tools

- The use of a spirit level is required when levelling the tower
- Rope may be required to hoist components or tools to higher work platforms.

TIES

When ties are required, they should be in accordance with table 17 of BS 5973:1990 and table 24 of BS 5975:1982.
Always tie to a solid structure.
The tie frequency should be at 4 meter intervals or less vertically.

CHECK LIST, INSPECTION CARE AND MAINTENANCE FOR MOBILE ACCESS TOWERS

- All components should be inspected before use to ensure that they are not damaged or broken, particularly the welds.
- ANY damage to ANY part particularly tubular members, castors, platform decking MUST be replaced.
- Adjustable leg threads should be cleaned and lightly oiled.
- All locking claws should be cleaned, and the locking mechanism checked for operation.
- When storing your MAT, please ensure that all components are neatly stored and not left lying around where they could be stood on or damaged.
- When transporting the MAT always tie the components down so that they do not move around and get damaged.
- Should the tower be left unattended it should be tied to a suitable structure and on reuse ALWAYS check that the tower is vertical and safe before ascending correct and complete structure.
- The MAT is not designed to be lifted or suspended as a complete structure.
- Always keep this instruction manual safe.
- Broken, damaged or incorrect components must never be used. The equipment shall be quarantined and assessed for replacement repair or destruction.

WIND EFFECTS

- Beware of high, gusty, or moderate breeze conditions in exposed areas. It is recommended that in wind speeds over a Moderate Breeze (see Beaufort Scale below) that work on the tower is stopped and reassessed. If the wind becomes a Strong Breeze, (see Beaufort Scale below) the tower should be tied to a rigid structure. If the wind is likely to reach Gale Force (see Beaufort Scale below) or over, work should be stopped, and the tower should be dismantled.
- Beware of tunnelling effect caused by open ended buildings, uncladded buildings and building corners.

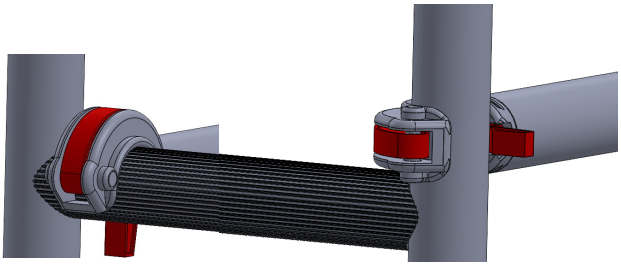
Wind	Beaufort Scale 10 Meters above ground	Force	Speed in m.p.h.	Speed in knots
Moderate Breeze	Raises dust and loose paper, small branches move.	4	13–18	11–16
Strong Breeze	Large branches in motion, telegraph wires whistle.	6	25–31	22–27
Gale Force	Walking is difficult, twigs break off trees.	8	39–46	34–40

FITTING ADJUSTABLE LEGS

Take the adjustable leg assembly complete with its castors, make sure that all the adjusting nuts are positioned down at the castor and slide them into the vertical tube, turn the base unit the right way up and with the aid of a spirit level placed on the platform, the adjusting nuts can be used to level the structure. (and not to gain additional height).

CORRECT FITTING OF HORIZONTAL BRACING

THE CORRECT FITTING OF HORIZONTAL BRACING IS IMPORTANT.
The diagrams opposite illustrate the CORRECT brace positions.
REMEMBER: Always fit braces DOWNWARD or from the inside facing OUTWARD – BUT NEVER INWARD

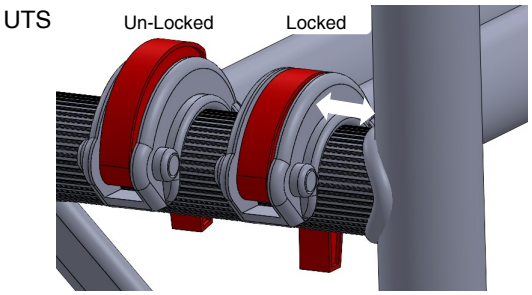


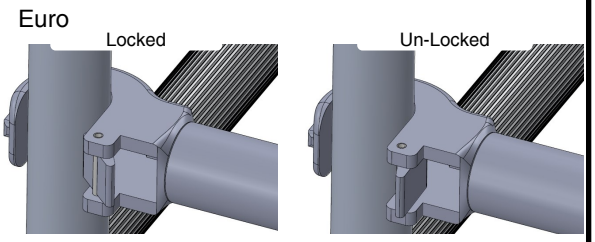
BRACE CLAMP LOCKING

Always make sure the brace is not clamped too close to the weld as indicated by the arrow on the drawing on the right.

UTS
Push brace claw onto tube until latch returns to closed position, to remove pull trigger back away from the frame tube until brace can be removed.

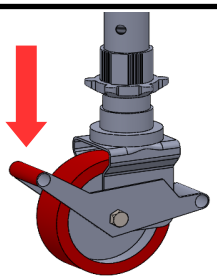
Euro
Push brace claw onto tube until latch returns to closed position, to remove push lock forward towards frame tube until brace can be removed.





LOCKING CASTORS

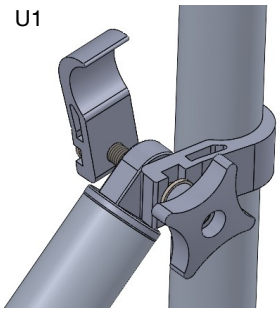
Castor wheels should be pointed outwards at approximately 45 degrees and locks engaged as shown opposite.

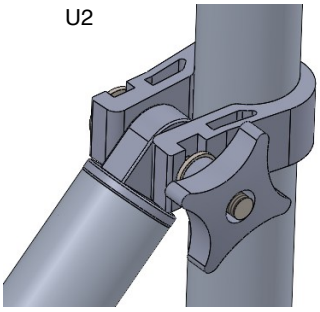


FITTING STABILISERS

UTS

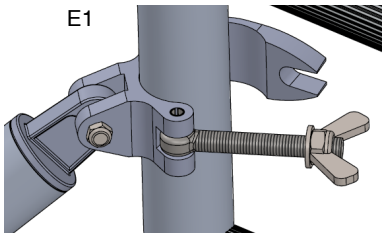
To attach stabilisers clamps, undo palm wheel all the way, fit one side of clamp to vertical frame (U1), then rotate second side of clamp to fit vertical frame and tighten palm wheel (U2).

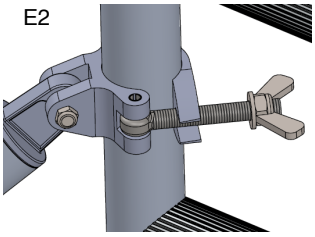


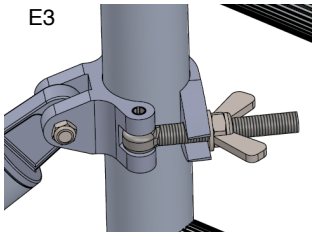


Euro

To attach stabilisers clamps, undo wingnut all the way, fit one side of clamp to vertical frame (E1), then move rest of clamp around the frame and hook the eyebolt through the open slot (E2), tighten wingnut all the way down until finger tight (E3).



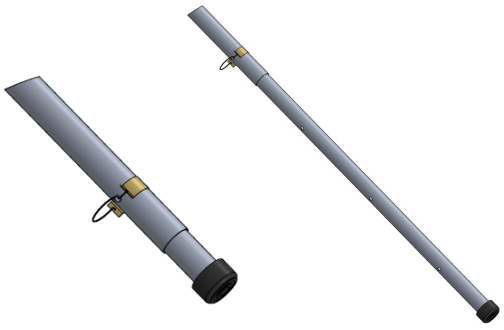




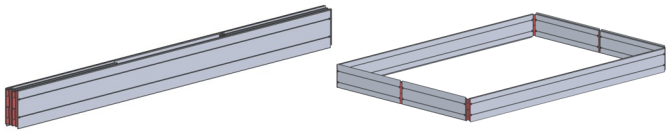
Attach a stabilisers in configurations as shown on pg24 for maximum stability in different situations.

EXENDING STABILISERS

On the telescopic stabiliser use the telescopic leg for adjustment on uneven ground.
Remove long pin clip, the leg can now extend, line up desired hole on inner leg with outer hole, reinsert long pin to ensure it cannot come undone.
Make sure that all stabilisers are firmly in contact with the ground when using the structure.



FITTING TOE-BOARDS

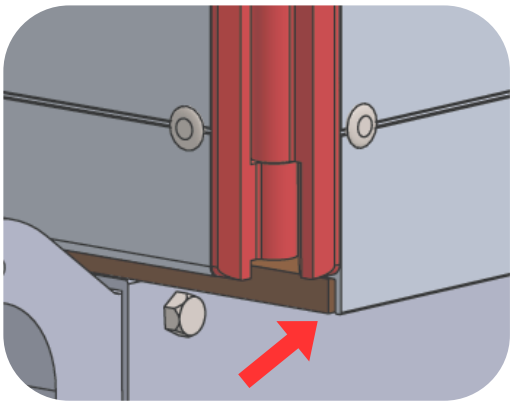


1 piece folding aluminium toe board.

Unfold out over platform, hook bottom edges over sides of platform.

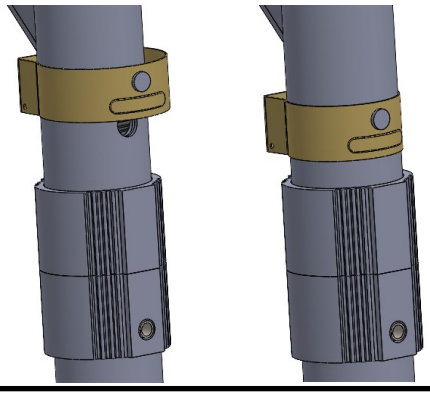
Ensure sides are down flat on the platform, ends will rest against the platform claws.

UTS ends also have cut outs to fit over platform hooks.



LOCKING CLIPS

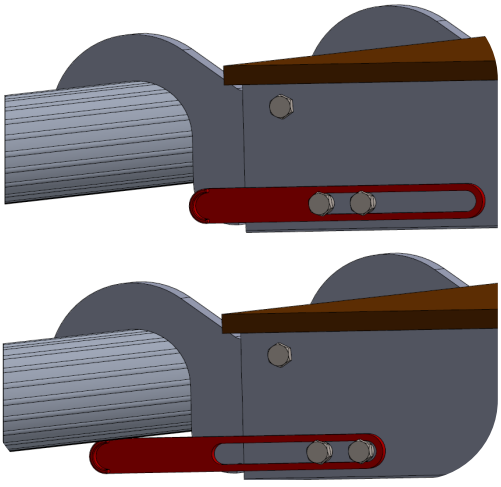
Fit the locking clips as shown in the diagram opposite.



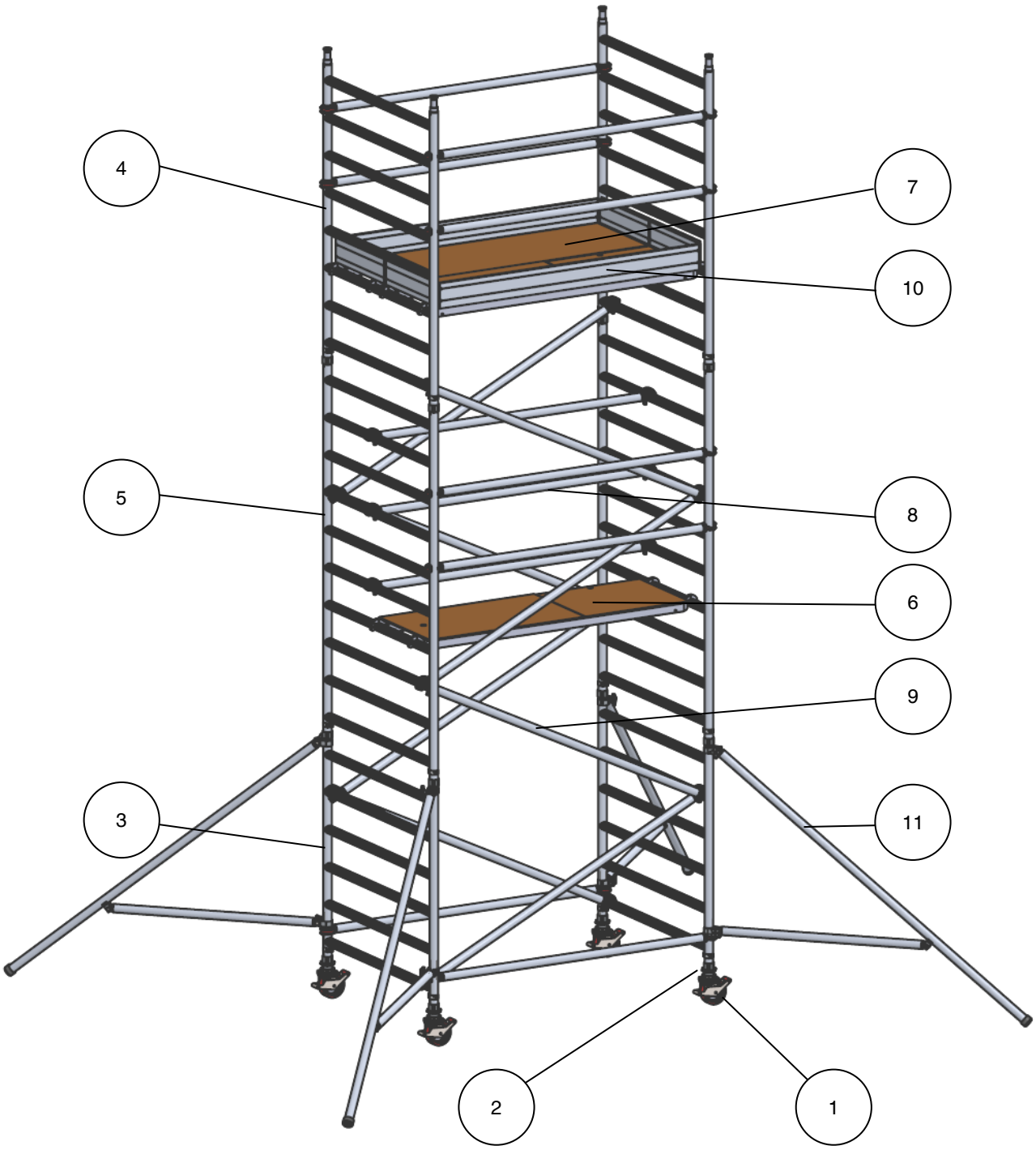
PLATFORM WINDLOCK LOCKING

Make sure wind locks are pushed forward until they sit securely under the rung.

They should not be able to fall out and should require a reasonable pull to disengage them.



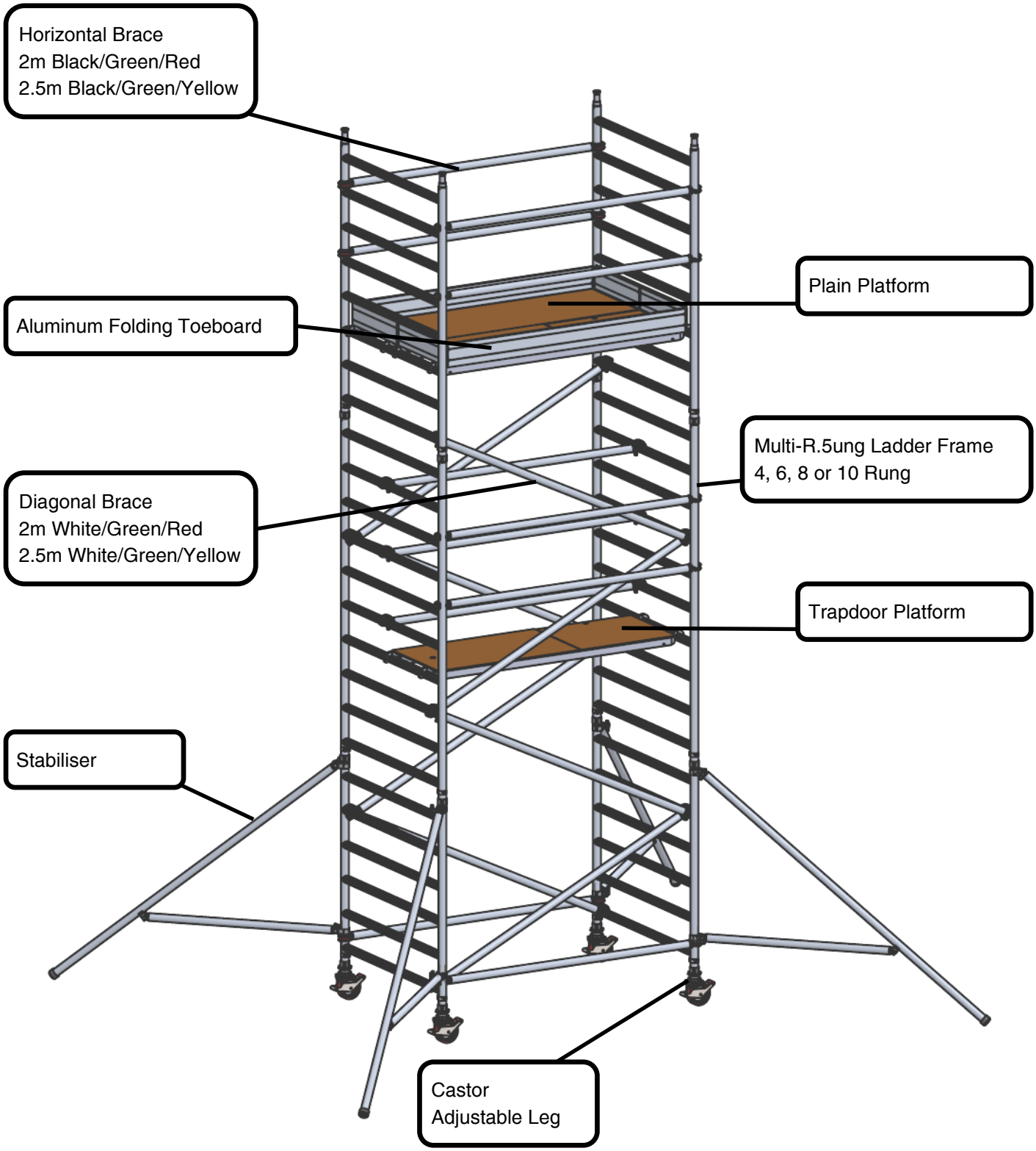
UTS - Identifying Components and Their Weights



Tower Components and Approx. Weights

Item	Description	Weight (Kg)	Item	Description	Weight (Kg)
1	150mm Locking Caster	3.4	7	2.0m Fixed Platform	13.2
2	Adjustable Leg 500mm	1.1	8	2.0m Horizontal Brace	2.1
3	6 Rung Frame	8.6	9	2.0m Diagonal Brace	2.2
4	8 Rung Frame	10.6	10	2.0 Double Toeboard assembly	14.0
5	10 Rung Frame	14.0	11	Standard Stabiliser	4.1
6	2.0m Trapdoor Platform	12.7	12	Telescopic Stabiliser	5.9

EURO - Identifying Components and Their Weights



UTS & Euro Components with Weights

UTS components with equivalent Euro components on the same line. These components are then interchangeable with each other.

For example any time the instructions call for a UTS 6 Rung Single Width Frame (232S6RF) you could use the Euro 6 Rung Single Width Frame (FKS3/6) instead, or vice versa.

UTS COMPONENTS				EURO COMPONENTS		
Code	Name	Weight (kgs)	↔	Code	Name	Weight (kgs)
150 CAS	150MM CASTOR	3.4	↔	K6CR	6" Castor	3.65
ADJ	ADJUSTABLE LEGS	1.1	↔	KALA	Adjustable Leg	0.98
232S4RF	4 Rung Single Width Frame	3.7	↔	FKS2/4	4 Rung Single Width Frame	3.69
232S6RF	6 Rung Single Width Frame	5.1	↔	FKS3/6	6 Rung Single Width Frame	5.08
232S8RF	8 Rung Single Width Frame	6.5	↔	FKS4/8	8 Rung Single Width Frame	6.47
232S10RF	10 Rung Single Width Frame	7.9	↔	FKS5/10	10 Rung Single Width Frame	7.86
232D4RF	4 Rung Double Width Frame	5.6	↔	FKD2/4	4 Rung Double Width Frame	5.61
232D6RF	6 Rung Double Width Frame	8.6	↔	FKD3/6	6 Rung Double Width Frame	8.63
232D8RF	8 Rung Double Width Frame	10.6	↔	FKD4/8	8 Rung Double Width Frame	10.59
232D10RF	10 Rung Double Width Frame	14.0	↔	FKD5/10	10 Rung Double Width Frame	14.00
2322PP	2M Plain Platform	13.2	↔	PKP1	2M Plain Platform	13.22
23225PP	2.5M Plain Platform	16.9	↔	PKP2	2.5M Plain Platform	16.88
2322TP	2M Trapdoor Platform	13.5	↔	PKT1	2M Trapdoor Platform	13.48
23225TP	2.5M Trapdoor Platform	17.4	↔	PKT2	2.5M Trapdoor Platform	17.38
2322HB	2m Horizontal (Red)	1.9	↔	BKH1	2m Horizontal (Black/Green/Red)	1.93
2322DB	2m Diagonal (Blue)	2.2	↔	BKD1	2m Diagonal (White/Green/Red)	2.24
23225HB	2.5m Horizontal (Red)	2.1	↔	BKH2	2.5m Horizontal (Black/Green/Yellow)	2.06
23225DB	2.5m Diagonal (Blue)	2.4	↔	BKD2	2.5m Diagonal (White/Green/Yellow)	2.35
232SS	Standard Stabilizer	4.0	↔	SKS1	Standard Stabilizer	4.02
232TS	Telescopic Stabilizer	5.7	↔	Y250	Telescopic Stabilizer	5.66
232S2AT	Single 2.0M Aluminium Toeboard	9.5	↔	TAS1	Single 2.0M Aluminium Toeboard	4.75
232S25AT	Single 2.5m Aluminium Toeboard	12	↔	TAS2	Single 2.5m Aluminium Toeboard	6.00
232D2AT	Double 2.0M Aluminium Toeboard	11.5	↔	TAD1	Double 2.0M Aluminium Toeboard	5.75
232D25AT	Double 2.5m Aluminium Toeboard	13.5	↔	TAD2	Double 2.5m Aluminium Toeboard	6.75

Tower Setups

Guidance for all Double width tower size configurations
Please follow guide for:

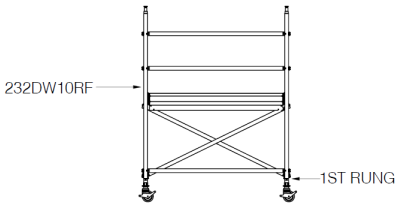
- End frame orders.
- Diagonal Brace positions.
- Temporary Platform Placements.

Notes for building:

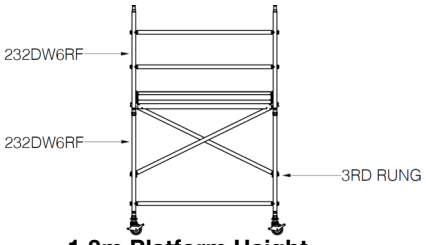
- Platforms to be placed on the 9th rung above previous platforms.
- Working platform to be on the 6th rung below the top of the tower.
- Guardrails to be positioned just above the 2nd and 4th rungs above the platform on outside verts.
- On intermediate platforms Guardrails to be connected to the 1st, 3rd and 5th rung above platform in centre of the tower.
- Diagonal Braces standard patten is a zig zag where the next braces starts on the same rung the previous one finished on, creating a cross when viewed from the sides.
- Diagonal Braces to be on opposite sides of the tower as they zig zag up the height .
- Ensure Diagonal braces are pushed to the outside edges of the frames as close to the vertical tubes as the welds will allow as they pass platforms.

Alternative frames can be used on towers up to 2.7m platform height provided they are replaced the same on both sides of the tower.

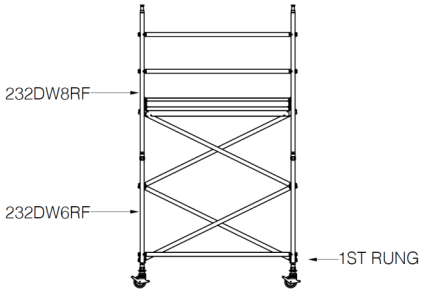
- For example if the manual says use 2x 8 rung frames these can be replaced with 1x 6 rung frame and 1x 10 rung frame as both combinations total 16 rungs.
- Only replace with the same number of frames, for example 2x 8 rung frames **cannot** be replaced with 4 x 4 rung frames even though it still totals 16 rungs.



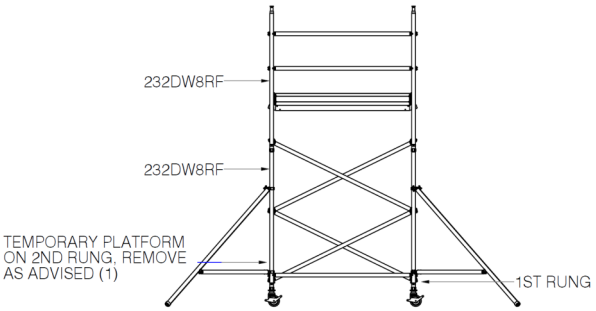
1.3m Platform Height



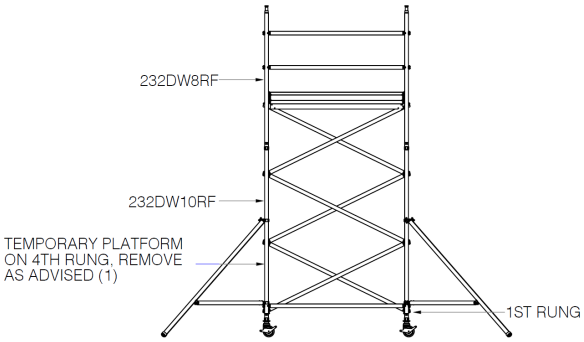
1.8m Platform Height



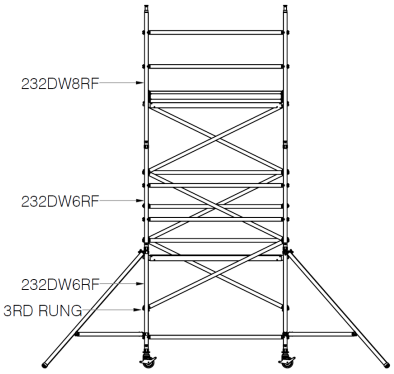
2.3m Platform Height



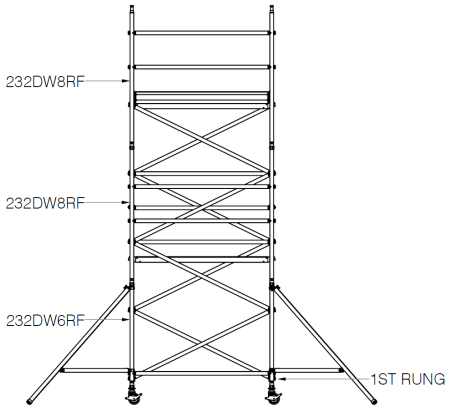
2.7m Platform Height



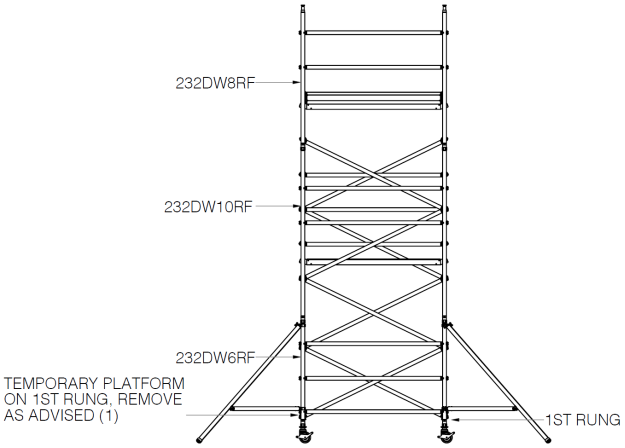
3.2m Platform Height



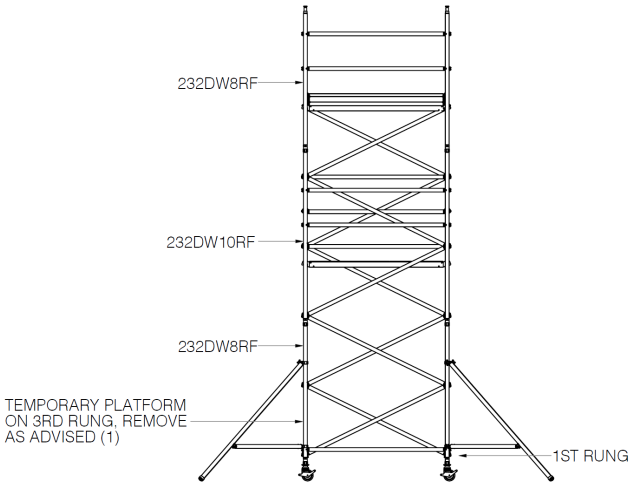
3.7m Platform Height



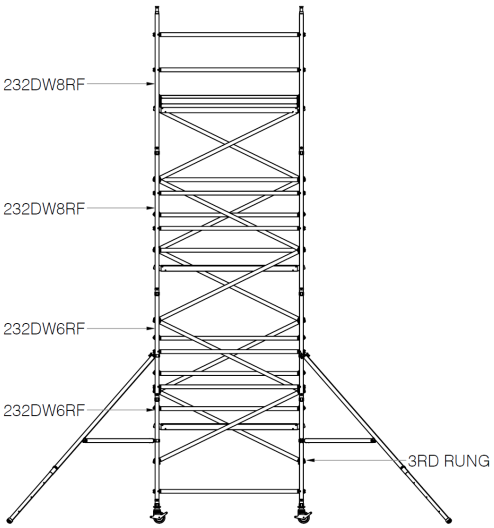
4.2m Platform Height



4.6m Platform Height



5.0m Platform Height



5.5m Platform Height

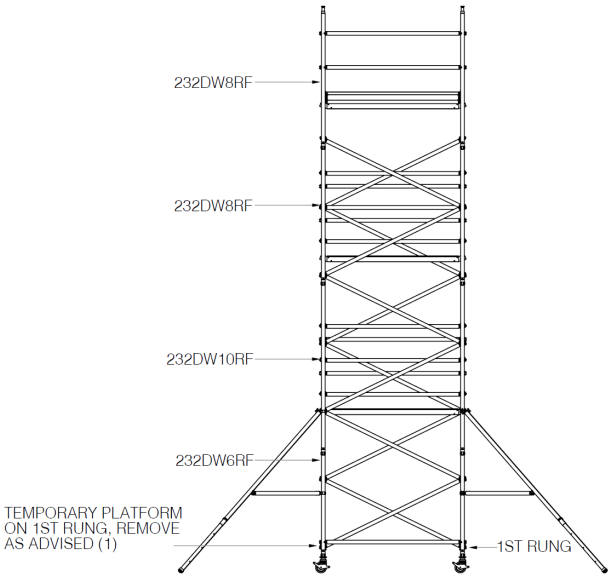
(1)

1. Place temporary platform on the indicated rung.
2. Ensure horizontal braces are fitted to the vertical tube above the 2nd and 4th rungs above the platform to act as guardrails.
3. Fit the towers 1st platform to the 9th rung above the temporary platform.

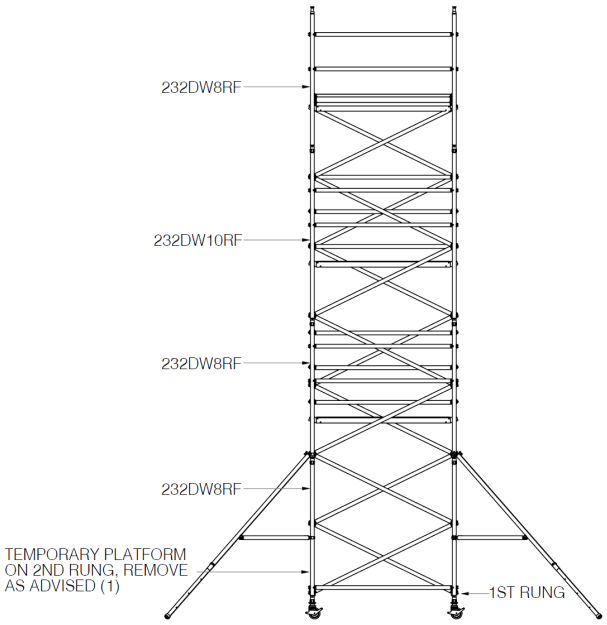
Before climbing the tower

4. Remove the temporary platform and its guardrails.
5. Now continue build process as standard, feel free to reuse the temporary components in the tower build.

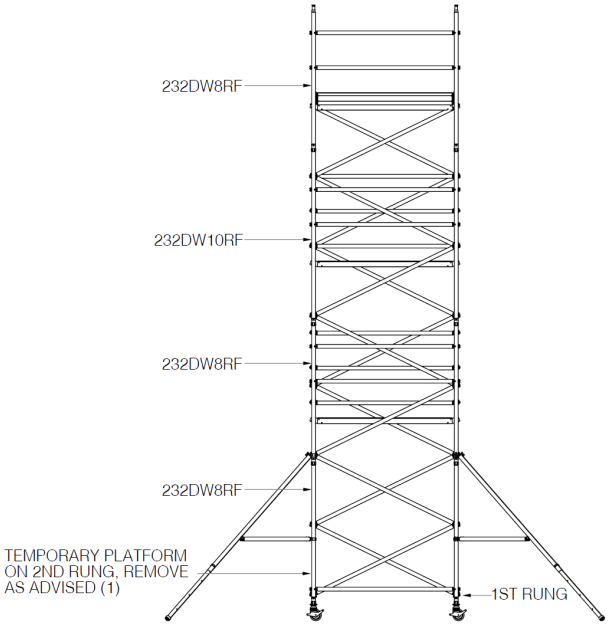
Tower Setups



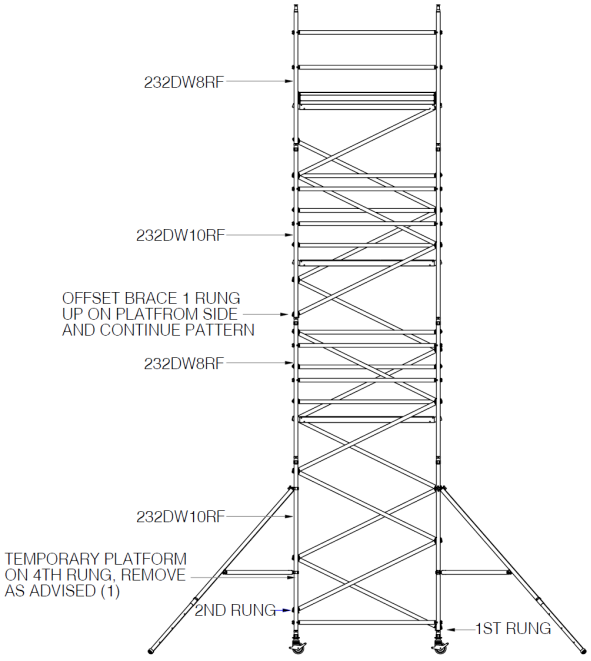
6.0m Platform Height



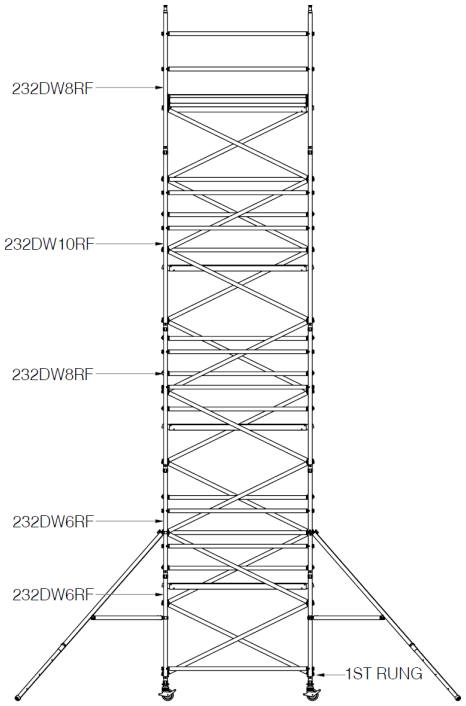
6.5m Platform Height



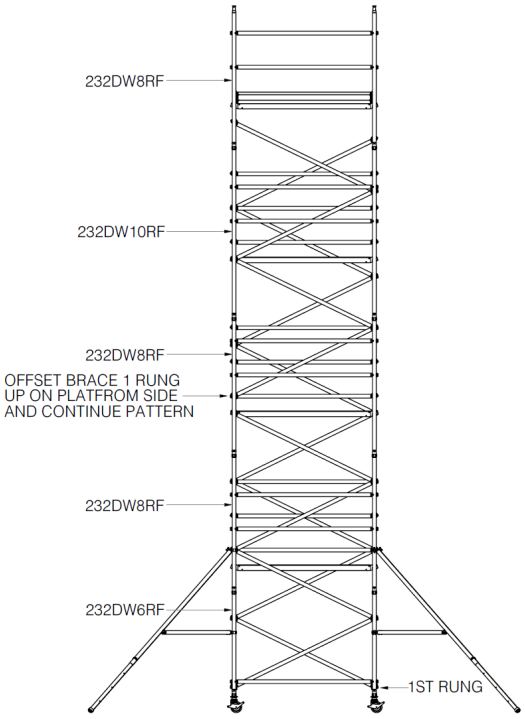
6.9m Platform Height



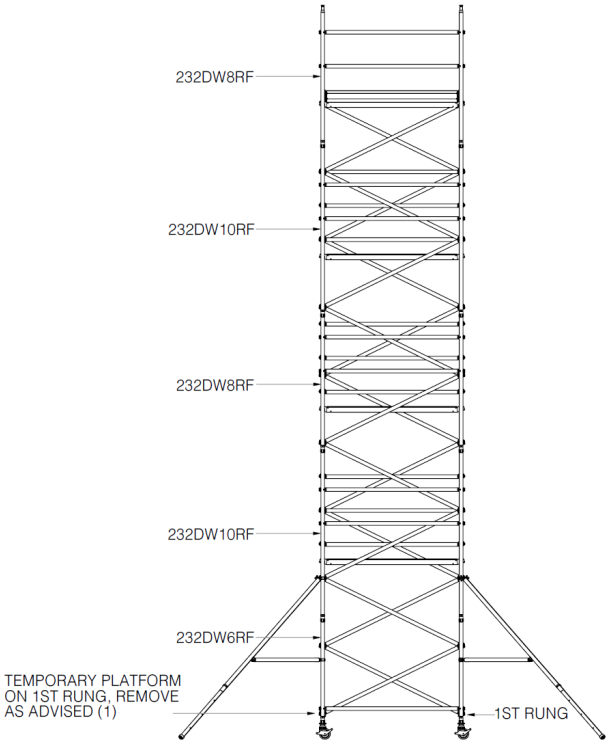
7.4m Platform Height



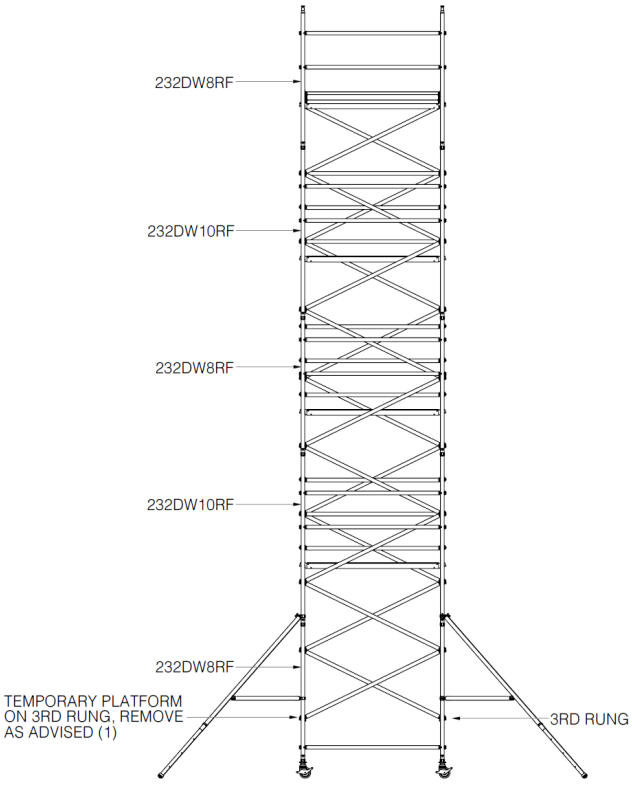
7.8m Platform Height



8.3m Platform Height



9.0m Platform Height



9.2m Platform Height

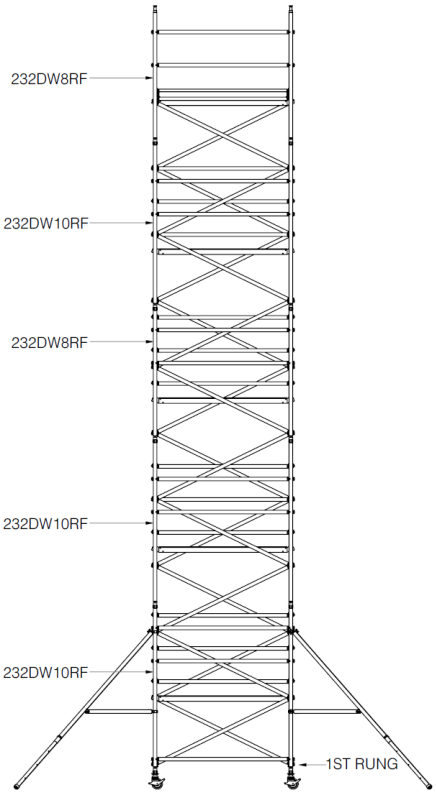
(1)

1. Place temporary platform on the indicated rung.
2. Ensure horizontal braces are fitted to the vertical tube above the 2nd and 4th rungs above the platform to act as guardrails.
3. Fit the towers 1st platform to the 9th rung above the temporary platform.

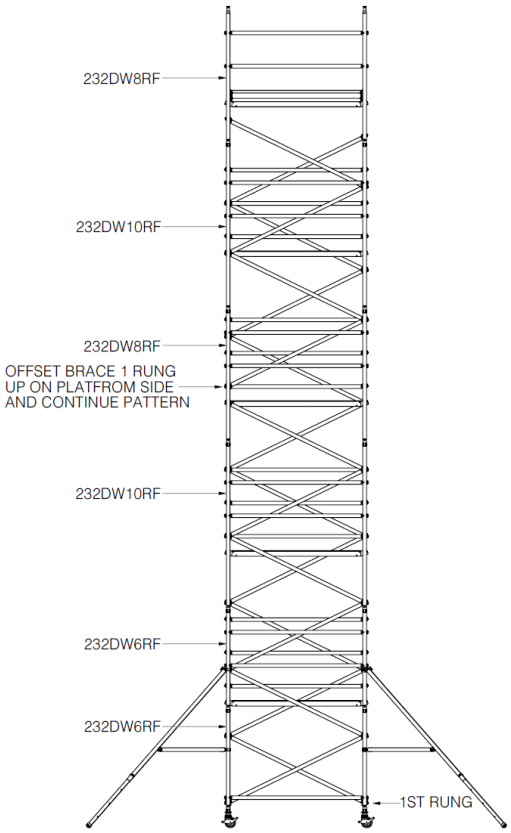
Before climbing the tower

4. Remove the temporary platform and its guardrails.
5. Now continue build process as standard, feel free to reuse the temporary components in the tower build.

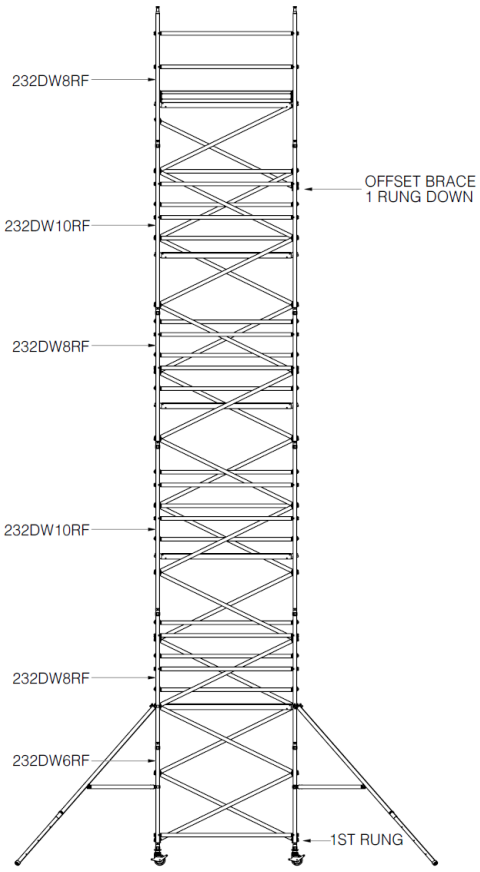
Tower Setups



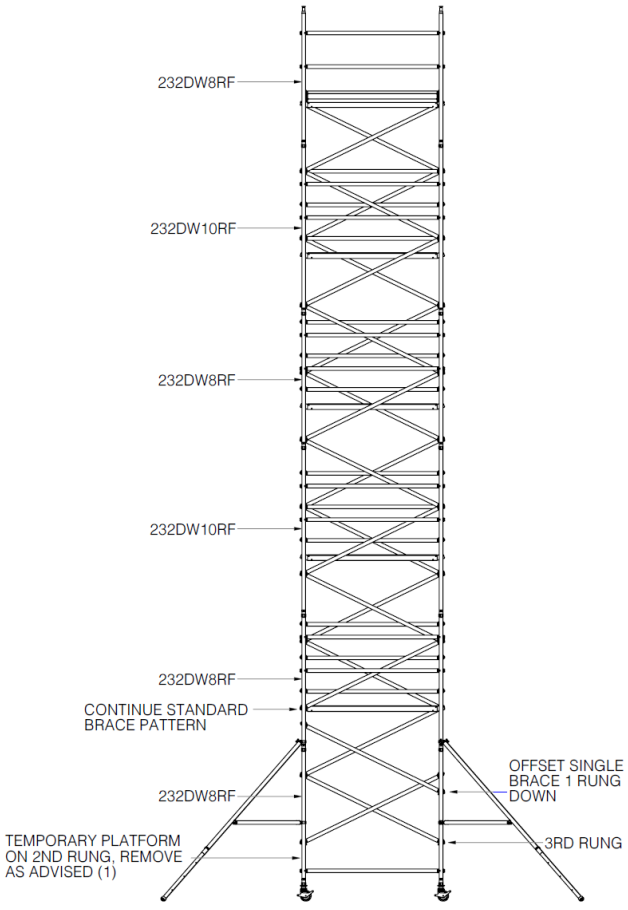
9.7m Platform Height



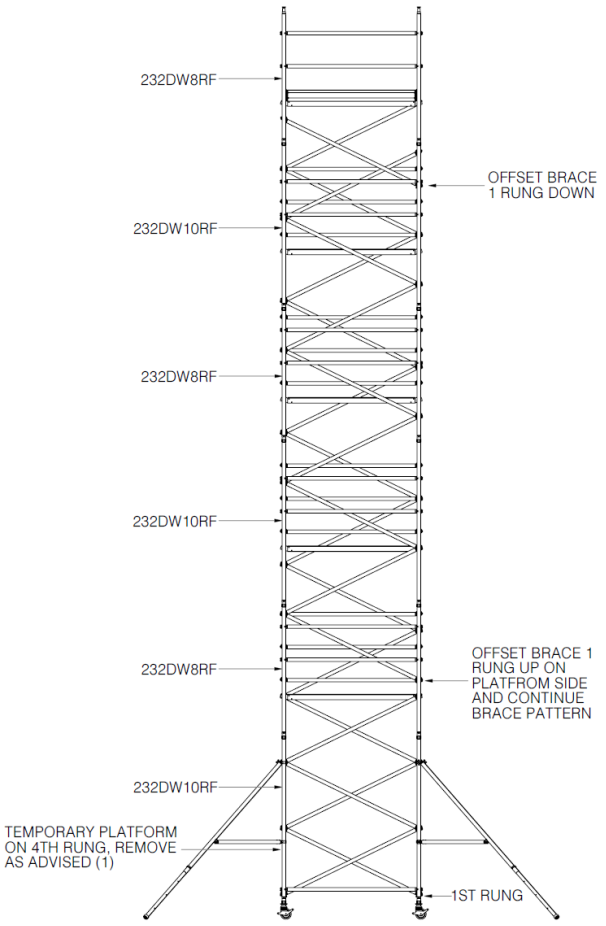
10.1m Platform Height



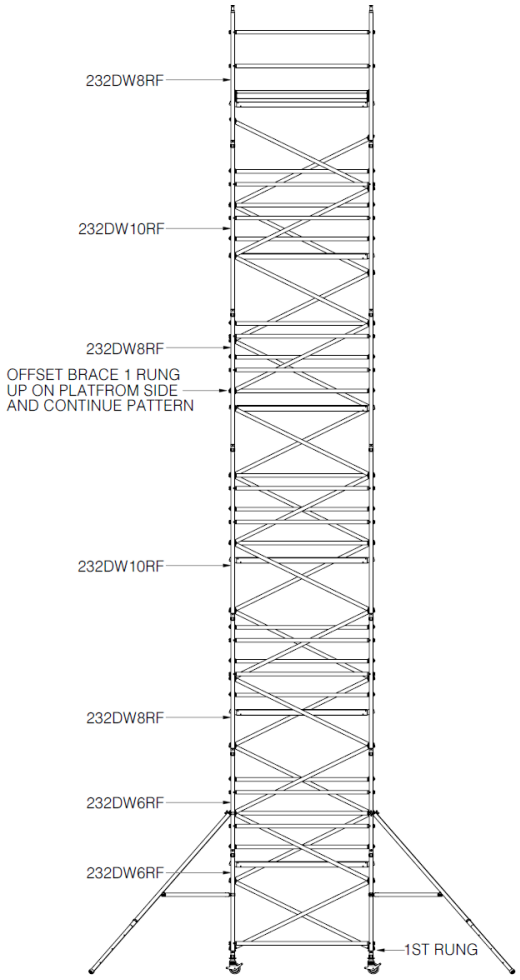
10.6m Platform Height



11.1m Platform Height



11.5m Platform Height



12.0m Platform Height

(1)

1. Place temporary platform on the indicated rung.
2. Ensure horizontal braces are fitted to the vertical tube above the 2nd and 4th rungs above the platform to act as guardrails.
3. Fit the towers 1st platform to the 9th rung above the temporary platform.

Before climbing the tower

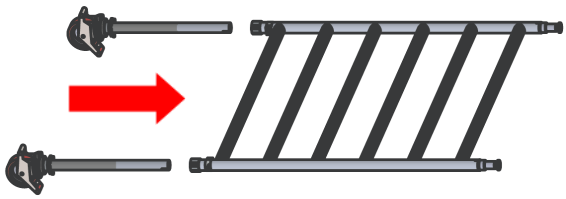
4. Remove the temporary platform and its guardrails.
5. Now continue build process as standard, feel free to reuse the temporary components in the tower build.

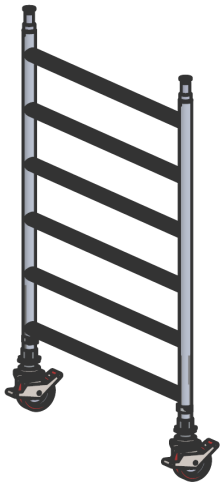
Assembly Procedure

UTS recommends that a minimum of two people is required for the assembly of the UTS 232 DOUBLE WIDTH tower. Only climb the tower from the inside using the end rungs.

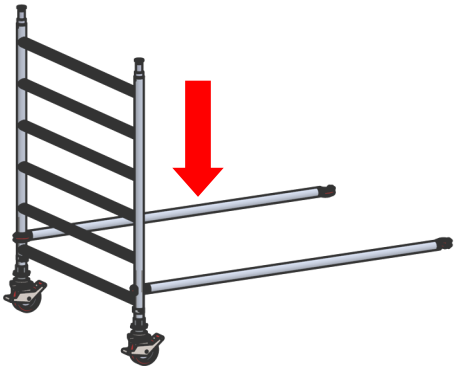
Example 4.6m Platform height assembly

1. Insert adjustable leg assembly (with castors) into the base of a rung end frame, the repeat this with the other rung end frame.
Lock all castor wheels

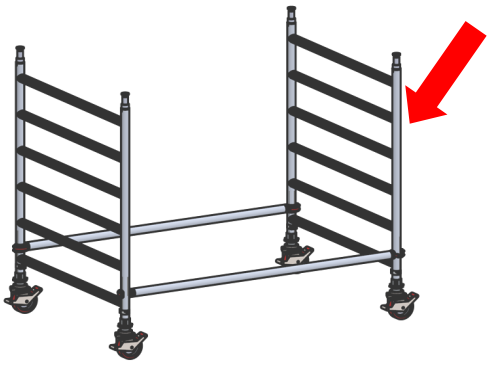




2. Attach 2x horizontal braces to a 6 rung frame.
Connect claw to the vert between the 1st and 2nd rung of the frame, claw facing outwards.
This frame will now be self-supporting.



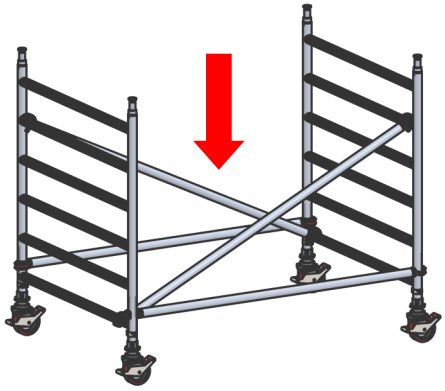
3. Position the 2nd 6 rung frame with leg assembles already inserted at the other end of the horizontal brace. Then connect the claws to the vert of the frame between the 1st and 2nd rung.



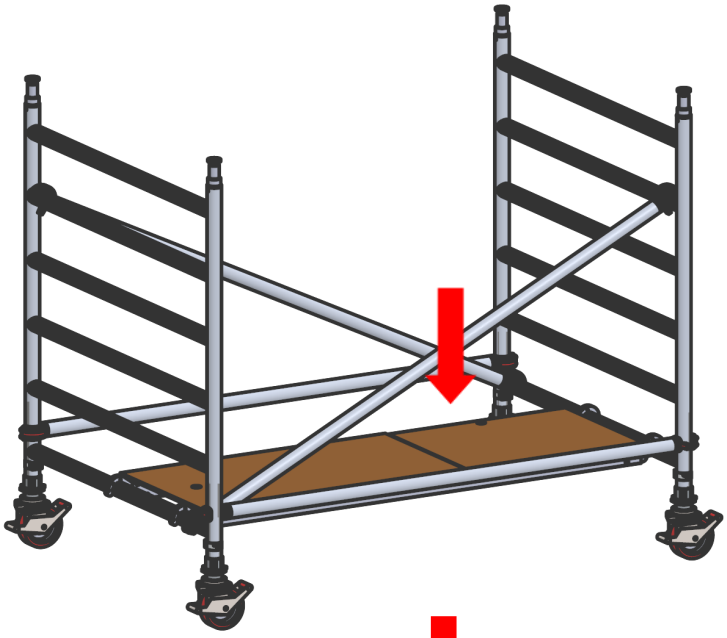
4. Attach 2x Diagonal braces. Starting at the 1st rung on opposite corners of the tower.

They should create a X when viewed from the side.

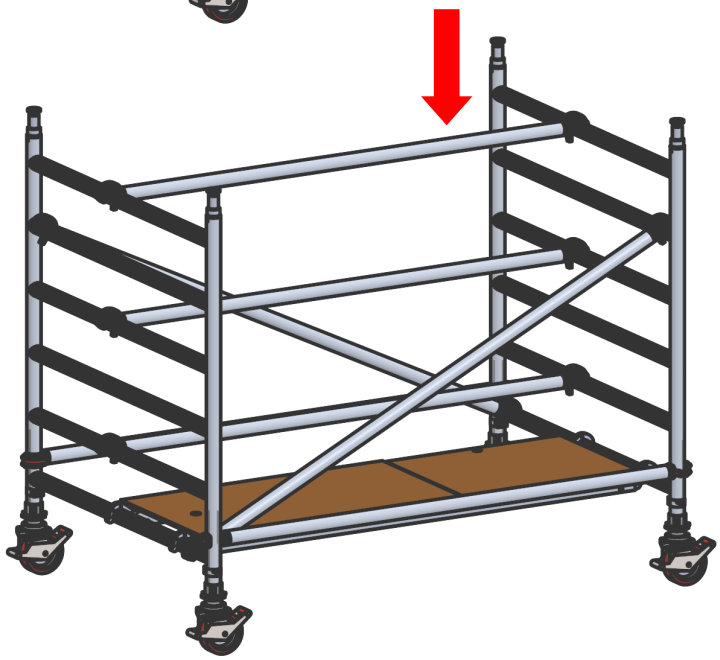
Make sure both diagonal braces are placed as close to the welds as possible.



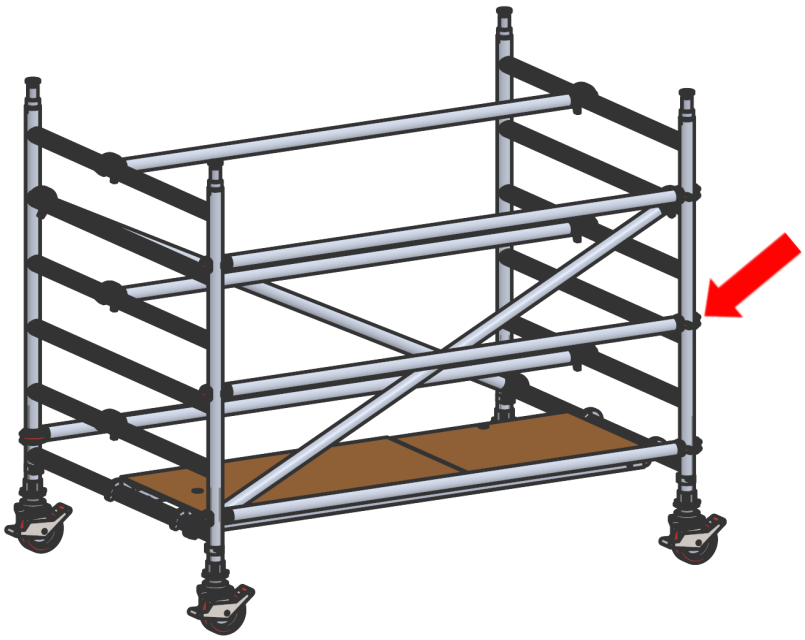
5. Fit a temporary platform to the 1st rung of the tower.
Check tower is vertical and level (Using spirit level) Use adjustable legs to correct as needed.



6. Fit 3x Horizontal Braces to the middle of the frames. To act as guardrails.
Braces need to be placed on the 1st, 3rd and 5th rungs above the platform.
The should be lined up with the edge of the platform.

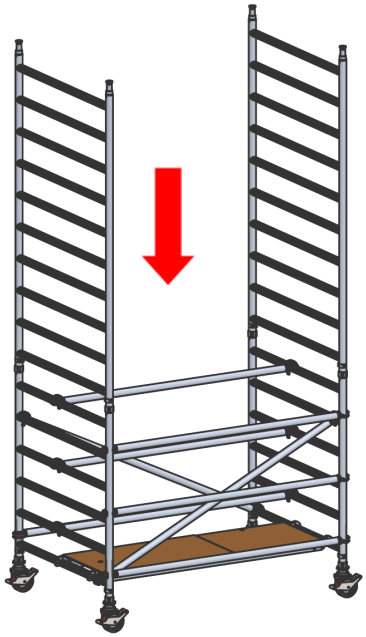


7. Attach 2x Horizontal Braces to the outer side of the tower on the platform side, to act as guardrails.
Braces need to be positioned just above the 2nd and 4th rungs above the platform.



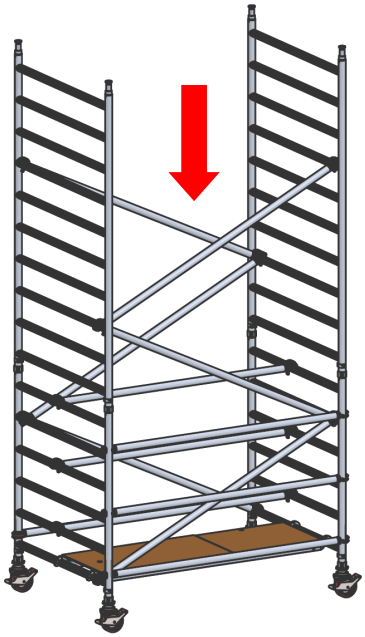
8. Fit 2x 10 rung frames, 1 to each end of the tower.

Ensure frame clips are engaged.



9. Attach 4x Diagonal Brace, starting on the same rungs previous ones finished on, creating a zig zag pattern on either side of the tower.

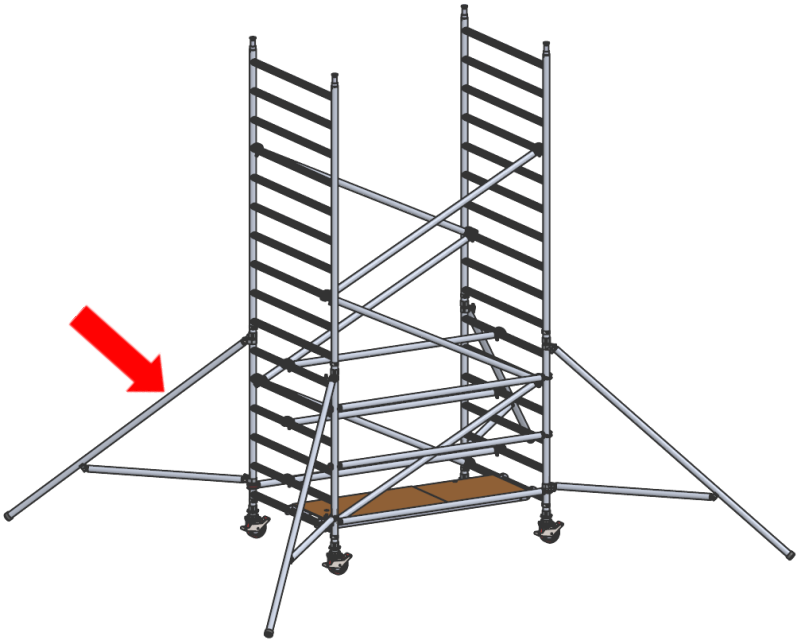
Ensure the braces stay straight, and connect to both rungs in the same location.



10. Fit 4x Standard stabilisers to the tower, 1 to each corner.

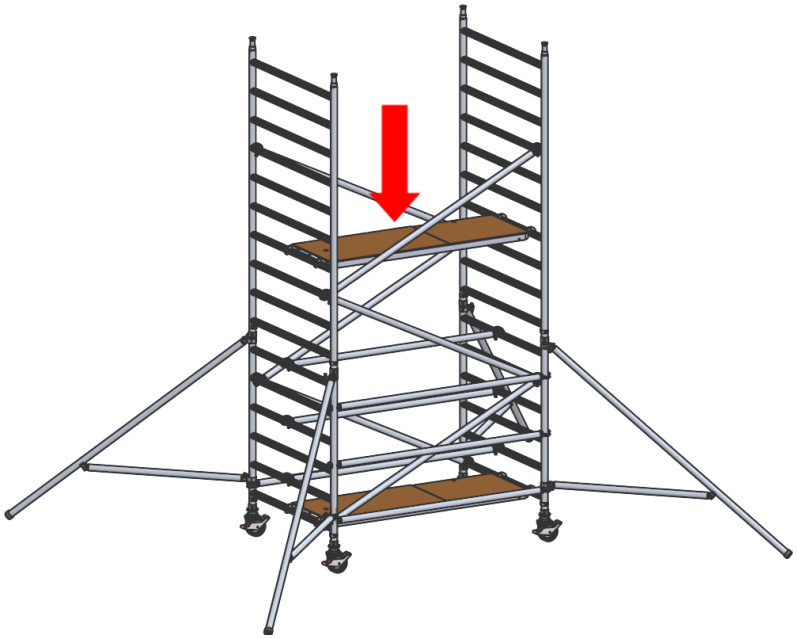
Bottom arm should be as close to horizontal as possible.

Ensure all stabilisers make solid contact with the ground.



11. Fit a trap platform to the 9th rung above the temporary platform.

Ensure all windlocks are engaged.



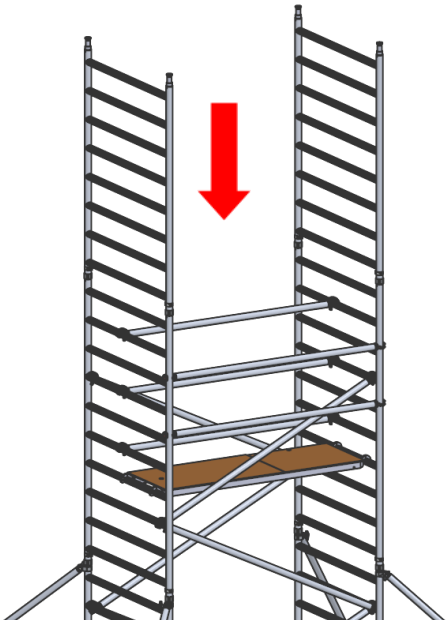
12. Remove temporary platform and guardrails from base of the tower.

These parts can now be used later in the tower build as needed.

13. From the 3T position seated in the trapdoor.
Fit 3x Horizontal Braces to the middle of the frames, and 2x Horizontal Braces to the outer side of the tower on the platform side, To act as guardrails.
Middle braces need to be placed on the 1st, 3rd and 5th rungs above the platform. The should be lined up with the edge of the platform.
Outside braces to be positioned just above the 2nd and 4th rungs above the platform.

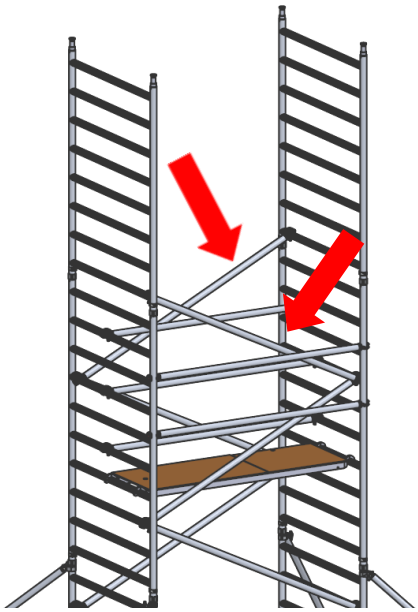
14. Fit 2x 8 rung frames, 1 to each end of the tower.

Ensure frame clips are engaged.



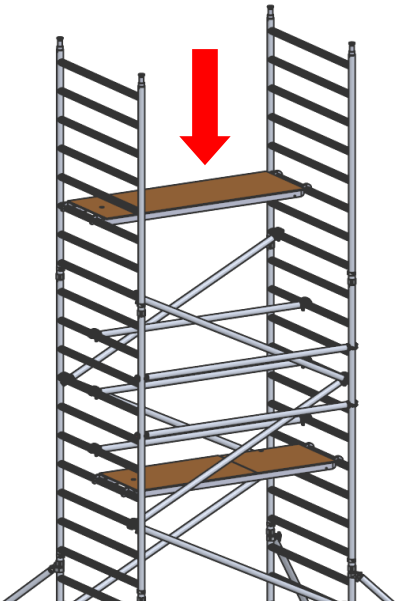
15. Fit 2x Diagonal Braces

Following the zig zag pattern up the sides of the tower.



16. Fit 1x Fixed Platform to the 9th rung above the last platform.

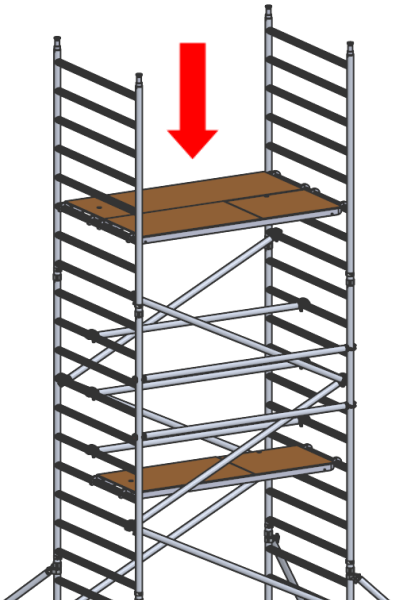
On the opposite side of the tower to the Trap Platforms. Make sure to leave room for a 2nd platform.



17. Fit a trap platform to the 9th rung above the last platform.

Next to the Fixed Platform.

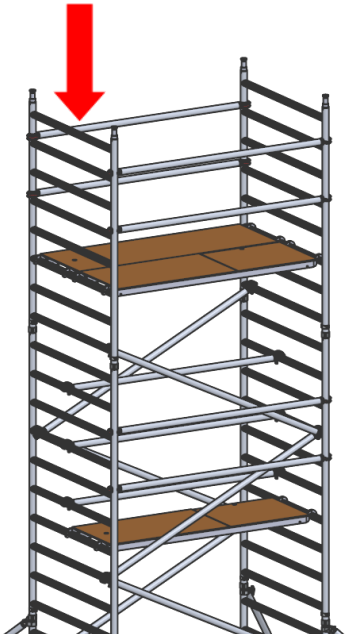
Ensure all windlocks are engaged.



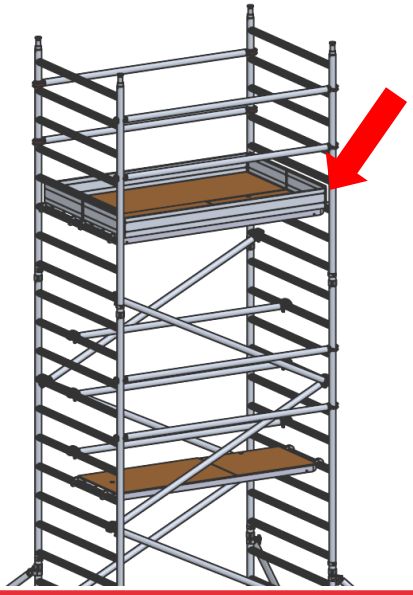
18. From the 3T position fit 4x Horizontal Braces.

They need to be either side of the tower, connect to the verts of the end frames, just above the 2nd and 4th rungs above the platform to act as guardrails.

Make sure claws are facing out.



19. Fit folding Toeboard to the working platform. Ensure edges down over the sides of the platform.



STABILISERS

Attach one stabiliser to each corner of tower at approx. 45 degrees. The bottom clamp should be fitted as low as possible, refer to the diagram opposite. Ensure that all four rubber feet are in contact with the ground and that the clamps are secured. Position stabilisers as shown in the diagrams.

When using the large stabilisers, always extend the telescopic legs to their maximum position and lock into position with the interlock clip.

When moving the tower lock each leg just clear of the ground, unlock castors ensuring area is firm and clear of all obstructions both on the ground and above.

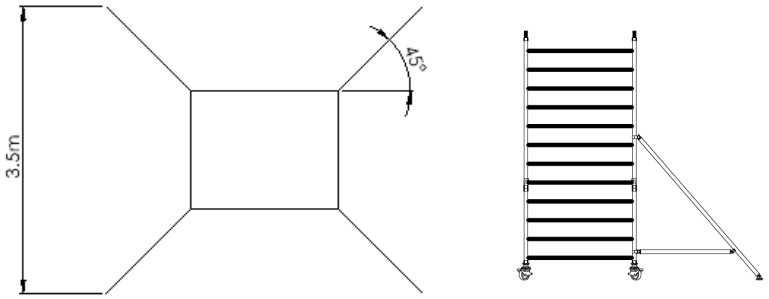
After moving check all castors are firmly on the ground and locked, and that the tower is vertical. Re-position stabilisers as above.

When using tower near a wall or in a corner, the stabiliser layout needs to adjusted to accommodate.

As shown in the diagram if against a wall 2 stabilisers should be made parallel to the wall and the others should remain at 45°.

If being used in a corner, the closed corner stabiliser can be removed and the 2 near walls should be made parallel with the open corner stabiliser remaining at 45°.

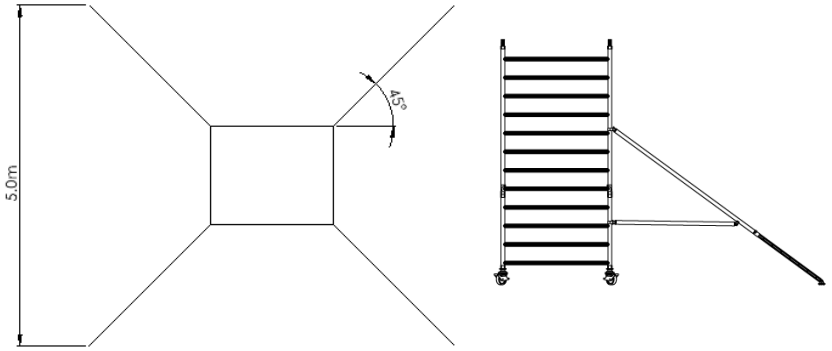
STABILISERS—Standard



Static Stabiliser maximum platform height

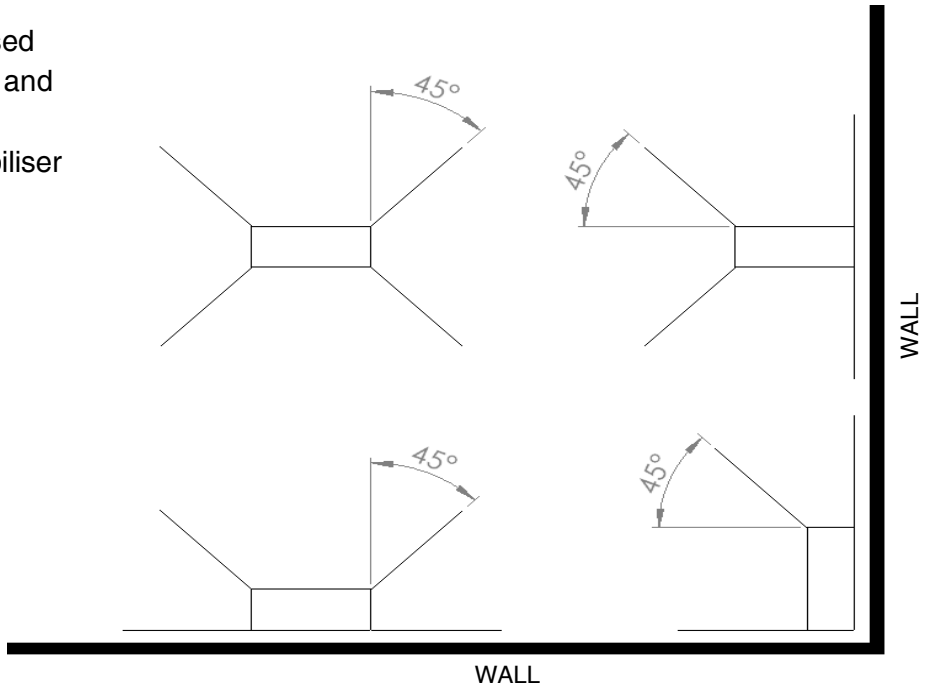
Double Width
Indoors & Outdoors: 7.8m

STABILISERS—Large



Telescopic Stabiliser maximum platform height

Double Width
Outdoors: 5.5m - 7.8m
Indoors: 5.5m - 12.0m



Dismantling

The dismantling procedure should follow the assembly steps in reverse order, take particular attention about the removal of guardrails and platforms.

You should ensure that you are standing in a safe position and always protected by guardrails NEVER remove diagonal braces or stabilisers prematurely.

After removing the toe-boards the operator disengages the horizontal guardrail brace clamps furthest from the trap door, horizontal guardrail braces are then removed with the operator positioned through the trap door before descending to the lower level, from where the upper platform and extensions/guardrail frames can be removed.

NOTES:
DO NOT OVER-REACH and NEVER DROP COMPONENTS when dismantling always lower them to the ground.

Pre-Use checklist

- Check Tower is level using spirit level
- All castors are locked and facing in at 45°
- All castors are in contact with the ground
- All frame clips are engaged
- All braces in position
- All platforms guarded by handrails as required
- All brace claws engaged fully and locked on
- All platform windlocks engaged
- Stabilisers fitted and secured
- Toeboards present on working platform
- Instruction manual available for reference
- Tower is correct height for intended use.
- Check environment before using tower, especially after it has been moved or left unattended.

DOUBLE Width

Configurations to BSEN 1004:-1:2020

Available in two lengths: 2.0m & 2.5m

Note: When calculating Compatible tower shelf weight, the user needs to use the table on pg13 to compare weights of any exchanged components and adjust total tower weight accordingly.

If you need further advice or help please contact the manufacturer.

			Internal and External Use															Internal Use Only								
Component		Working Height (M)	3.3	3.8	4.3	4.7	5.2	5.7	6.2	6.6	7.0	7.5	8.0	8.5	8.9	9.4	9.8	10.3	11.0	11.2	11.7	12.0	12.6	13.1	13.5	14.0
Approx Kgs	Description	Platform Height (M)	1.3	1.8	2.3	2.7	3.2	3.7	4.2	4.6	5.0	5.5	6.0	6.5	6.9	7.4	7.8	8.3	9.0	9.2	9.7	10.1	10.6	11.1	11.5	12.0
3.4	Castors		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1.1	Adjustable Leg Unit		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
8.6	6 Rung Frame			4	2			4	2	2		4	4	2			4	2	2			4	2			4
10.6	8 Rung Frame				2	4	2	2	4	2	4	4	2	4	6	4	4	6	4	6	4	4	6	8	6	6
14.0	10 Rung Frame		2				2			2	2		2	2	2	4	2	2	4	4	6	4	4	4	6	4
13.5 17.4	2.0m or 2.5m Trap Door Platform		1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
13.2 16.9	2.0m or 2.5m Fixed Door Platform		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4	5	6	7	8	9	10
2.1 2.3	2.0m or 2.5m Horizontal Brace		6	6	6	6	11	11	11	11	11	16	16	16	16	16	21	21	21	21	26	26	26	26	26	31
2.2 2.4	2.0m or 2.5m Diagonal Brace		2	2	4	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24
4.0	Standard Stabiliser					4	4	4	4	4	4															
7.8	Telescopic Stabiliser											4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10.5 12.5	2.0m or 2.5m Aluminum Folding Toeboard		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4	5	6	7	8	9	10
Approx. Tower Shelf weight (Kgs) 2.0m			100.2	106.6	115.0	135.0	170.2	176.6	185.0	191.8	213.7	245.8	257.0	261.0	282.9	289.7	311.0	338.7	387.1	414.8	460.2	490.3	535.9	563.6	598.5	639.1
Approx. Tower Shelf weight (Kgs) 2.5m			111.4	117.8	126.6	146.6	187.1	193.5	202.3	209.1	235.3	268.4	280.0	284.0	310.2	317.0	339.7	373.1	431.5	464.9	517.4	553.2	608.8	642.2	683.2	730.5

RISK ASSESSMENT COMPLETION FORM

NO	DATE
Site & Location	
Assessment carried out by:	
Signed	
MAIN ACTIVITY/SITUATION	

NOTE

A – Personnel at Risk		B – Severity		C – Probability			
Employee	E	Negligible	1	Impossible	1	Probable	5
Contractor	C	Minor Injury	2	Improbable	2	Frequent	6
Public	P	Serious Injury	3	Remote	3		
		Major Injury	4	Occasional	4		

NO	Activity/Location Materials/Tools etc.	Hazards Identified	A	B	C	Risk Rating (B x C)	Equipment to be used to minimise risk	B	C	Risk Rating (B x C)	Action By

Risk value key: 1 – 4 = Acceptable, 5 – 9 = Medium – Investigate and where practicable reduce the risk, 10 – 14 = High – Action must be taken to reduce the risk

15 – 24 = VERY HIGH – RISK IS TOO HIGH TO START WORK OR CONTINUE, WORK MUST BE STOPPED

Notes:

UTS SALES & REPAIRS LTD
UNIT 1A CANTERBURY INDUSTRIAL PARK,
ISLAND ROAD,
HERSDEN,
CANTERBURY,
KENT,
CT3 4HQ
TEL: 01227 860085
WWW.TOWERSANDPODIUMS.CO.UK

SAFETY&SSURED™
CERTIFIED
BS EN 1004-1:2020
BS EN 1004-2:2021
SS004 testandresearch.org

DOC NO: CPT007, VERSION:1.1, DATE:01/02/26, APPROVED BY:A.GUNTRIPP, REVIEWED BY:M.GRANGER