

## DOUBLE WIDTH 232 (NARROW RUNG) 3T INSTRUCTION MANUAL



The 232 Tower Approved to the requirements of BS EN 1004

**MAX SAFE WORKING LOAD FOR STRUCTURE: 750KG**  
**MAX SAFE WORKING LOAD FOR PLATFORM: 250KG**



## GENERAL SAFETY RULES

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

## MAINTENANCE RULES

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

## USE OF STABILIZERS

Stabilizers increase the EFFECTIVE BASE dimensions and improve the STABILITY of the tower.  
Position the stabilizers symmetrically to obtain the MAXIMUM BASE DIMENSION.  
Maximum platform heights for free standing towers are based on the base to height ratio of 3:1 outdoors and 3.5:1 indoors. When moving a tower with stabilizers the height to base ratio must not exceed 2.5:1.

OPTIMUM BASE DIMENSION	MAX HEIGHTS	STABILIZER TYPE
DOUBLE WIDTH OR STEP TOWER		
Double Width	2.34M	NONE
4.20M	5.13M	STANDARD
4.90M	10.23M	TELESCOPIC
5.40M	12.10M	LARGE

## DISMANTLING NOTES:

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

# DOUBLE WIDTH 232 TOWER KIT LIST

WORK HEIGHT	2.85	3.41	3.88	4.34	4.81	5.27	5.73	6.20	6.66	7.13	7.59	8.05	8.52	8.98	9.45	9.91	10.37	10.84	11.30	11.77	12.23	12.69	13.16	13.62	14.09
TOWER HEIGHT	2.18	2.66	3.13	3.59	4.06	4.52	4.98	5.45	5.91	6.38	6.84	7.30	7.77	8.23	8.70	9.16	9.37	9.84	10.30	10.77	11.23	11.69	12.16	12.62	13.09
PLATFORM HEIGHT	0.85	1.41	1.88	2.34	2.81	3.27	3.73	4.20	4.66	5.13	5.59	6.05	6.52	6.98	7.45	7.91	8.37	8.84	9.30	9.77	10.23	10.69	11.16	11.62	12.09
PARTS LIST	KIT LIST ABOVE 8M PLATFORM FOR INDOOR USE ONLY																								
CASTOR	4	4	4	4	4	4	4	4	4	4	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	4	4	4	4	4	4	4	4	4	4
6 RUNG 232 FRAME			4	2				2																	
8 RUNG 232 FRAME	2			2	4	2		4	6	4	2		8	6	4	2		8	6	4	2		8	6	4
10 RUNG 232 FRAME		2				2	4			2	4	6		2	4	6	8	2	4	6	8	10	4	6	8
DIAGONAL BRACE	2	2	2	4	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24
HORIZONTAL BRACE	6	6	6	6	6	10	10	10	10	10	10	10	10	14	14	14	14	14	14	14	14	14	18	18	18
PLAIN PLATFORM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TRAPDOOR PLATFORM	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4
STABILIZER					4	4	4	4	4	4															
TELESCOPIC STABILIZER											4	4	4	4	4	4	4	4	4	4	4				
JUMBO STABILIZER																						4	4	4	4
TOEBOARD ASSEMBLY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOWER WEIGHT (Kgs)																									
2M WEIGHT	86	91	96	105	125	155	160	170	177	186	197	203	229	238	243	251	256	265	270	278	283	300	327	332	362
2.5M WEIGHT	99	104	109	118	139	174	179	189	194	203	214	223	255	265	269	278	283	293	298	307	311	329	361	370	375
3M WEIGHT	107	114	120	130	150	192	197	205	212	222	233	243	280	290	295	304	309	320	325	334	339	357	395	405	409

## BASE SET UP

PLEASE ENSURE THE BASE SET UP IS CORRECT IN ORDER TO MAINTAIN ASSEMBLY  
6 RUNG FRAMES ARE TO BE USED AS BASE FRAMES ONLY\*

## STOCK UTILISATION

\*1 x 6 + 1 x 10 RUNG FRAMES MAY BE USED IN EXCHANGE FOR TWO 8 RUNG FRAME

## PLATFORM REPOSITIONS

CORRECT PLATFORM LEVELS ENABLE SAFE WORKING LEVELS

REPOSITIONED PLATFORMS MUST BE FITTED WITH SAFE GUARDRAILS INCLUDING TOP AND MIDRAILS  
SAFE GUARDRAILS REQUIRE 5 RUNGS ABOVE EACH PLATFORM AT ALL LEVELS

## BRACE POSTIONING

IF A PLATFORM IMPEDES A DIAGONAL BRACE IT IS PERMISSIBLE TO REPOSITION IT UP/DOWN  
ONE RUNG WITHOUT EFFECTING THE STRUCTURAL INTEGRITY OF THE TOWER

NEVER OMIT A DIAGONAL BRACE FROM THE STRUCTURE

DIAGONAL BRACING ENDS ON THE RUNG ON OR BELOW THE WORKING PLATFORM, NO  
DIAGONALS RUN PAST THE WORKING PLATFORM ON ANY EURO TOWER.

## ASSEMBLY AND DISMANTLING

The Assembly pictures are for illustrative purposes only; the tower set up is that of 4.20m to aid Pasma Training. Other tower sizes may have different base set ups.

## DISMANTLING PROCEDURE

DISMANTLING IS THE REVERSE OF ASSEMBLY.

## DO NOT THROW EQUIPMENT DOWN

REMOVE TOEBOARDS BEFORE HANDRAILS. DISCONNECT THE GUARDRAIL BRACES FROM THE FAR END AND THEN FROM A SITTING POSITION THROUGH THE TRAPDOOR REMOVE THE GUARDRAILS.  
DO NOT REMOVE THE GUARDRAILS WHILST STANDING ON THE PLATFORM, THIS WOULD LEAVE YOU AT RISK

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Please ensure that all parts are present before assembly



Insert Castors and adjustable legs into frames.



Fit 2 horizontal braces to the vertical member of the frame as low down as possible.



Fit in 2 diagonal braces, starting at the bottom rung – on opposing sides.



Add 2 frames, after adding any frames always engage the interlock clips



Lock Castors and level the tower, Insert diagonal braces in a regular pattern opposing each other as illustrated.



Put platform on the 9<sup>th</sup> rung.



Fit stabilizers at this point



From the sitting position, through the trapdoor (3T Method) Fit horizontal braces as mid rails and guardrails to the vertical member, Hooks facing outwards.



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Stand on platform board, Fit 2 diagonal braces from the 2<sup>nd</sup> rung above board, opposing each other.



Fit 2 more frames.



Insert Diagonal Brace



Fit platform on the 6<sup>th</sup> rung above the board you're standing on.

Repeat the 3T procedure until the final height is reached



At the final height, from the sitting position, through the trapdoor (3T Method) Fit horizontal braces as mid rails and guardrails to the vertical member, Hooks facing outwards.



Fit Toeboards

- Dismantling is the reverse except when dismantling the mid rail and guardrail braces.
- Unclip the far end hooks and then from a sitting position through the trapdoor (3T Method) remove the braces
- Do not remove the mid rail and guardrails whilst standing on the platform, this would leave you at risk