

TOWER ARRANGEMENT FOR STAIRCASES

The drawing is for guidance only.

The offset frame may be smaller or larger depending on the incline of the stairway.

One extra ladder frame is to be used to offset the tower on a stairs.

- 1, Fit base plates and leg assembly to both the plain and ladder frames.**
- 2, Fit 2 Horizontal Braces at the lowest point as shown.**
- 3, Fit 2 Diagonal Braces from the lowest point as shown.**
- 4, Continue building the tower to the desired height as per the manufacturers instruction manual**

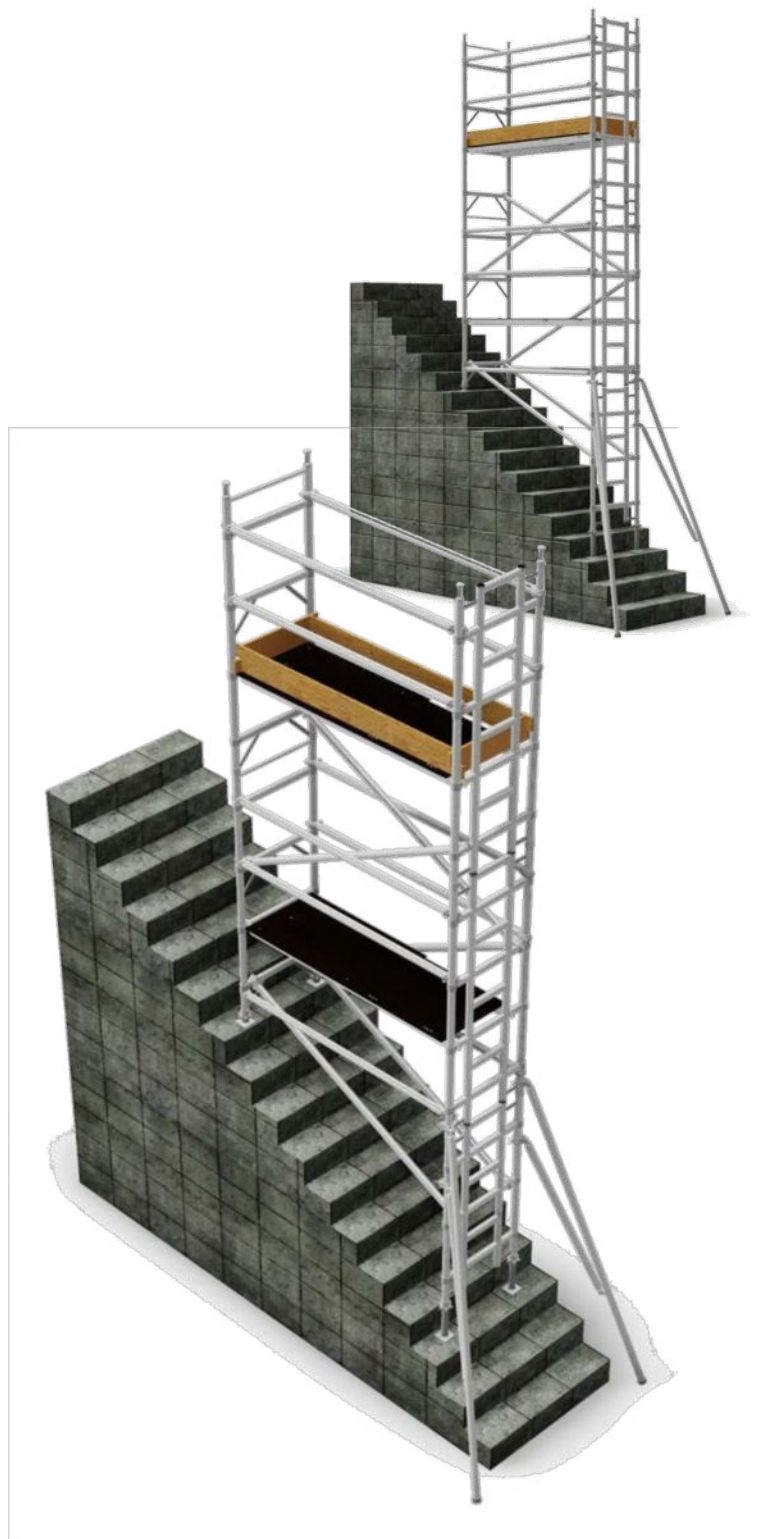
Where possible, fit stabilisers to both sides of the tower with a minimum sideways extension of 650mm, reaching down the stairs with a minimum distance of 650mm.

Where possible the tower should be tied in to a side structure with rigid two way ties fastened to both uprights using double or swivel load bearing couplers.

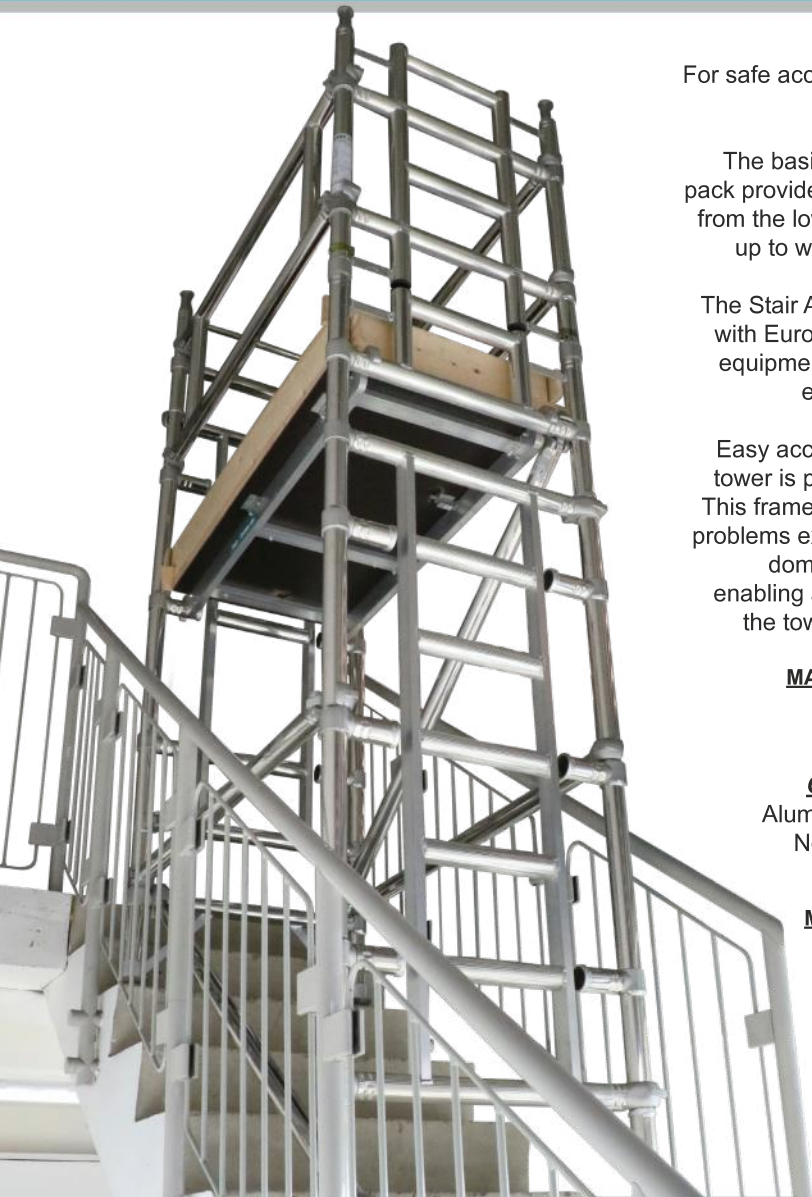
Only base plate are to be used on a tower erected on stairs.

Single width towers can be built to 7.9m and double width towers can be built to 12.09m

Never climb the tower from the outside of the frame. Always climb from within the structure, using the ladder frame



STAIR ACCESS TOWER



Tower Information

For safe access on both industrial and domestic stairs.

The basic stair access tower basic pack provides a platform level of 2.2m from the lowest step and can be built up to working heights of over 9m.

The Stair Access Tower can be used with Euro Towers 3T Ladder Frame equipment meaning you can utilise existing stock in your build.

Easy access from both sides of the tower is provided by a gated frame. This frame design solves the access problems experienced on narrow and domestic staircases, while still enabling a safe point of access into the tower and up to the platform.

MAX SAFE WORKING LOADS

Structure 750KG

Platform 250KG

Optional Extra's Include:

Aluminium Toeboard assembly

No Bump Impact Protectors

MAX SAFE WORKING LOAD

FOR PLATFORM 250KG

STRUCTURE 750KG

PASMA
The Professional Association of Scaffolders and Metal Fabricators

Training Available

2.25m Tower Build



Insert 2 adjustable legs into each of the portal frames



Fit the offset ladder frame* on to the ladder portal frame & position the frame down the stairs.



Position the plain portal at the top of your stairs then fit the horizontal braces above the 1st rung.



Position the ladder portal at the bottom of your stairs and connect the horizontal braces above the 3rd rung. Level the tower by adjusting the legs.



Fit diagonal brace from bottom rung of ladder portal frame to bottom rung of plain portal frame, on the left hand side.



Fit another diagonal from the bottom rung of the ladder portal frame to the top rung of plain portal frame on the right hand side.



Fit a platform to the 3rd rung of the plain portal frame, trapdoor at the ladder frame side.



Sitting through the platform, fit 2 guardrail frames, one either side or 4 Horizontal braces 2 either side with hooks facing out.
Ensure hooks are fully engaged.



Fit a side prop to the top of each frame, one either end of the tower and then fit your Toe-boards to the tower using the clips.

Dismantling is the reverse of assembly

Extra Heights Build



Fit a plain 4 rung frame to the plain portal frame and engage the interlock clips.



Fit a diagonal brace from the 2nd rung above the platform to the second rung of the 4 rung plain frame.



Fit a plain 4 rung frame to the ladder portal frame and engage the interlock clips.



Fit a platform to the 2nd rung of the 4 rung plain frame with the trapdoor on the ladder frame side.



Sitting through the platform, fit 2 guardrail frames, one either side or 4 Horizontal braces 2 either side with hooks facing out. Repeat steps 1 - 5 to build additional heights
Ensure hooks are fully engaged.



Fit 2 side props every 2m, one either end of the tower. If you cannot fit side props, stabilizers shall be fitted to all 4 corners of the tower. They shall be fitted to create the largest footprint possible. Then fit your toe-boards using the clips.

Dismantling is the reverse of assembly

Stair Access Tower Kit List

Platform Height	SWAL	PKT4	SPPF	SPLF	FSL2*	FKS4	FSL4	SASF	BKH4	BKD4	TLK4/B	TKSW/B	SWSP	RTBC
2.25m	4	1	1	1	1			2	2	2	2	2	2	4
4.10m	4	2	1	1	1	1	1	4	2	3	2	2	4	4
5.96m	4	3	1	1	1	2	2	6	2	4	2	2	6	4
7.81m	4	4	1	1	1	3	3	8	2	5	2	2	8	4
9.67m	4	5	1	1	1	4	4	10	2	6	2	2	10	4

*Offset frame will depend on the length of tower and the stairs used.

SWAL - Stairwell Adjustable Leg
 SPPF - Stair Portal Plain Frame
 SPLF - Stair Portal Ladder Frame
 FSL2 - 2 Rung Ladder Frame
 FSL3 - 3 Rung Ladder Frame
 FKS4 - 4 Rung Plain Frame
 FSL4 - 4 Rung Ladder Frame
 SASF - Stair Access Side Frame

PKT4 - 4ft Trapdoor Platform
 BKH4 - 4ft Horizontal Brace
 BKD4 - 4ft Diagonal Brace
 TKL4/B - 4ft Toe-Board Length Blank
 TKS/W/B - 2ft Toe-Board End Blank
 RTBC - Red Toe-Board Clip
 SWSP - Stairwell Side Prop

General Safety Rules

Check instructions before use.

A RISK ASSESSMENT must be carried out before assembly and use of this equipment.

1. Do not use any Stair access tower which is damaged, which has not been properly assembled, which is not firm and stable and which has any missing or damaged parts.
2. Do not erect a Stair access tower on unstable ground or objects such as loose bricks, boxes or blocks. Only a sound rigid footing must be used.
3. Ensure that the Stair access tower is always level and the adjustable legs nuts are engaged. The tower must be built with base plates and positioned as close to the stair risers as possible.
4. 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. Always pass the equipment up and down the tower. Never throw the equipment.
5. Ensure that the Stair access tower is within the maximum platform height stated, and that the appropriate side props or stabilisers are fitted.
6. Stair access towers should, wherever possible be secured to the building or other solid structure. It is good practice to tie in all Stair access towers of any height, especially when they are left unattended.
When used, select and install anchors in concrete and masonry must be selected and installed in accordance with BS 8539. This prefabricated tower scaffold has been designed to be properly secured to a suitable adjacent supporting structure capable of withstanding the forces that will be imposed upon it by the attachment of the tower. Devices for securing the tower must be simultaneously rigid in both tension and compression and capable of withstanding and transmitting the loads imposed by the tower to the supporting structure. If ballast is necessary, it must be secured in position and made of rigid materials such as steel or concrete, but excluding liquids or granular materials.
7. Do not lean ladders against the Stair access tower.
8. Never climb the outside of the Stair access tower or climb on Horizontal or Diagonal braces. Do not gain access or descend from the platforms other than by the trapdoor platform and built in ladder.
9. Guardrails must be fitted to ALL platforms. Toe-boards must be fitted to any working platform or platform where materials are stored.
10. Never jump on to or off platforms.
11. 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.
12. NEVER extend your adjustable legs to achieve extra height, these are for levelling only.
13. NEVER use a ladder or other objects on the platform to achieve additional height

14. It is not permissible to attach and use hoisting facilities on Stair access towers, unless specifically provided for by the manufacturer.

15. It is not permissible to attach bridging sections between a Stair access tower and a building.

16. STABILIZERS improve the STABILITY of the Stair access tower. Position the SIDE PROPS symmetrically to obtain MAXIMUM STABILITY.

17. NEVER move your tower while it is erected. To move your tower you must first disassemble it. The tower should also never be lifted or suspended.

18. Platforms must be installed with vertical distances between them not exceeding 2.1 m when assembling and dismantling. The maximum number of people on a working platform level permitted to simultaneously exert a horizontal load of 30 kg is: 1 person per bay for bays less than 4 m in length and; 2 persons per bay for bays greater than 4 m in length. The weather forecast must be taken into account before use.

General Maintenance Rules

1. Ensure that the Stair access 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 Stair access tower equipment, consult the manufacturer.
7. Do not misuse or abuse the Stair access tower with heavy objects, hammers etc.
8. 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 Stair access tower.
9. Under no circumstances use a Stair access tower which is damaged, has not been properly assembled, has any missing parts.