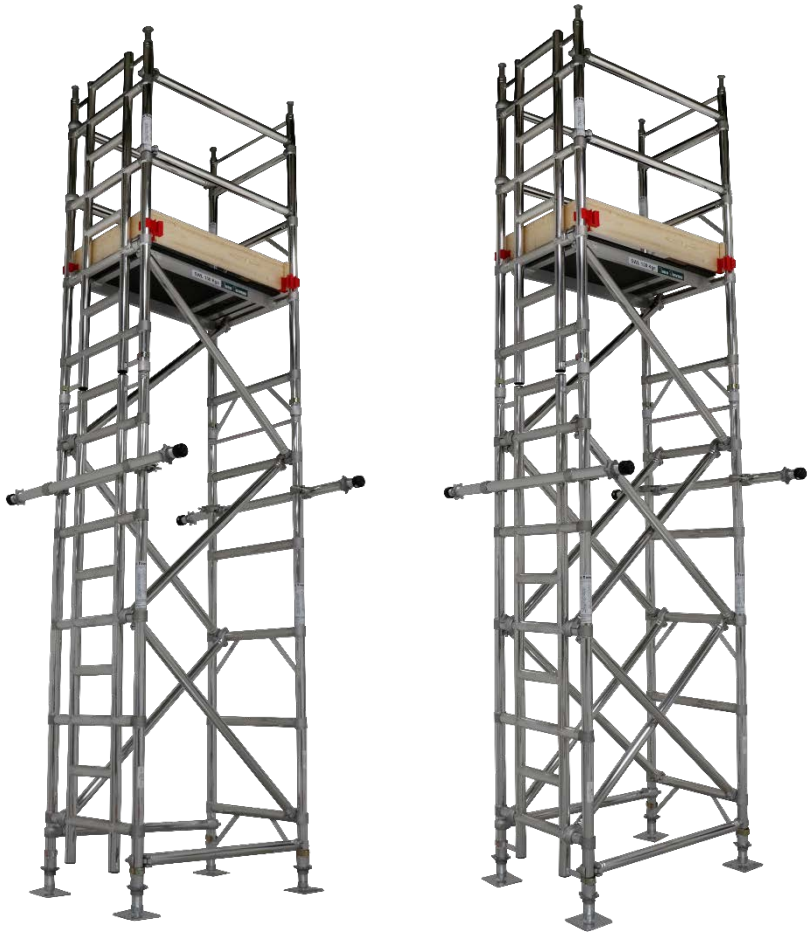
EURO TOWERS LTD

UK Manufacturer of Aluminium Access Equipment



LIFT SHAFT TOWER INSTRUCTION MANUAL

MAX SAFE WORKING LOAD FOR STRUCTURE: 750KG

MAX SAFE WORKING LOAD FOR PLATFORM: 250KG

GENERAL SAFETY RULES

1. Check instructions before use. Lift Shaft towers may only be assembled and dismantled by persons familiar with these instructions.
2. DO NOT use any Lift Shaft tower which is damaged, which has not been properly assembled, which is not firm and stable, and which has any missing or damaged parts.
3. DO NOT assemble a Lift Shaft 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 Lift Shaft tower is always level and the adjustable legs are engaged. Lift Shaft towers MUST be assembled on adjustable legs fitted with base plates, DO NOT use castors.
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 Lift Shaft tower is within the maximum platform height is stated, and that the appropriate side props are fitted. DO NOT use an up-propped tower.
7. DO NOT use a Lift Shaft tower in any other location other than a Lift Shaft.
8. Beware of wind if the Lift Shaft is in an exposed position or where wind can be funnelled through a building, in such cases the wind force can be increased. A Lift Shaft tower must not be used in winds stronger than 7.7 meters per second (Beaufort scale 4).
9. DO NOT use sheets, tarpaulin or other materials that could act like sails or put load stress on the Lift Shaft tower.
10. Lift Shaft towers are NOT insulated, DO NOT assemble or use a Lift Shaft 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 Lift Shaft tower, or climb or descend from the platform on the outside of the Lift Shaft tower. YOU MUST climb using the built in ladder from inside the Lift Shaft tower GOING THROUGH the trapdoor platforms.
13. The ladder frames MUST run in a continual pattern.
14. NEVER climb on horizontal or diagonal braces.
15. DO NOT work from the ladders, they are a means of access only.
16. Guardrails AND toeboards MUST BE fitted to the working platforms or where materials are stored.
17. NEVER jump on to or off platforms.
18. 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.
19. Dismantle the Lift Shaft tower completely before moving it. DO NOT move an assembled tower.
20. NEVER use a ladder or other objects on a platform to achieve additional height, should you require additional platform height, add further frames, braces and platforms as per the kitting list. NEVER extend your adjustable legs to achieve extra height, these are for levelling only. 22. DO NOT attach and use hoisting facilities on Lift Shaft towers.
23. DO NOT attach bridging sections between a Lift Shaft tower and a building or between 2 Lift Shaft towers.

IF YOU HAVE A SAFETY QUESTION THAT HAS NOT BEEN ANSWERED HERE PLEASE CONTACT EURO TOWERS LTD.

ALWAYS TAKE CARE OF ALUMINIUM SCAFFOLD TOWER EQUIPMENT. REMEMBER YOUR SAFETY DEPENDS ON THE SAFE ASSEMBLY AND USE OF THE EQUIPMENT. RESPECT IT.

KITTING LIST

PLATFORM HEIGHT	1.41m	3.27m	5.13m	6.98m	8.84m	10.69m	12.40m	14.26m	16.12m	17.94m	19.83m	21.68m	23.54m	25.39m	27.25m	29.10m	30.95m
WORKING HEIGHT	3.41m	5.27m	7.13m	8.98m	10.84m	12.69m	14.40m	16.26m	18.12m	19.94m	21.83m	23.68m	25.54m	27.39m	29.25m	31.10m	32.95m
OVERALL TOWER HEIGHT	2.66m	4.52m	6.38m	8.23m	10.09m	11.94m	13.65m	15.51m	17.37m	19.19m	21.08m	22.93m	24.79m	26.64m	28.50m	30.35m	32.20m
PARTS LIST																	
Base Plate	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 Rung Plain Frame		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
4 Rung Ladder Frame		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
5 Rung Plain Frame	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 Rung Ladder Frame	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Diagonal Brace	2	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
Horizontal Brace	6	10	10	14	18	22	26	30	34	38	42	46	50	54	58	62	66
Trapdoor Platform	1	2	2*	3*	4*	5*	6*	7*	8*	9*	10*	11*	12*	13*	14*	15*	16*
Side Prop	2	2	4	4	6	6	8	8	10	10	12	12	14	14	16	16	18
Toeboard Assembly	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOWER WEIGHT (KGS)																	
TOWER WEIGHT (KGS)	**61**	**94**	**135**	**169**	**210**	**243**	**290**	**313**	**359**	**392**	**434**	**467**	**508**	**542**	**583**	**616**	**657**
Temporary Platform*			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total no. of rungs	5	9	13	17	21	25	29	33	37	41	45	49	53	57	61	65	69

Front page photo shows Double Brace base set up for 13.65m tower and above

All towers over 10.69m platform height must be double braced on the first 2 sets of braces at the base.

MAINTENANCE RULES

Ensure that the Lift Shaft Tower is kept clean, especially the spigots and sockets. These should fit together with ease and be secured by an interlock clip. Where brace and platform hooks attach to the frames, ensure the frame rungs are kept clean.

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.

Ensure that all locking hooks function correctly. If necessary lubricate with light oil. The inside diameter of all hooks should be kept clean to ensure they fit to other components without being forced.

Do not misuse or abuse the Lift Shaft Tower with heavy objects, hammers etc. Do not throw components in and out of vehicles or to the ground when the Lift Shaft Tower is being dismantled. Such abuse may reduce the structural integrity of the Lift Shaft Tower.

Under no circumstances use a Lift Shaft Tower which damaged, has not been properly assembled, and is it not rigid or which has any missing parts.

If in any doubt about the proper use and maintenance of the Lift Shaft Tower equipment, consult the Euro Towers Ltd.

ASSEMBLY AND DISMANTLING

You must get your base set up correct in order to achieve safe guardrail heights.

Temporary platforms are used to achieve correct working heights; reposition them when dismantling

Euro Towers recommend a minimum of 2 people to build this tower system.

Dismantling is the reverse of assembly, last part on, first part off.

Replace temporary boards and guardrail braces where they have been removed during assembly.

DO NOT stand on an unguarded platform at ANY time during the build or whilst dismantling.

DO NOT drop or throw equipment from the Lift Shaft tower, pass it down by hand or by another secure method.

ANY part of the Lift Shaft tower lowered by rope (or other means) must be secured in a way that the part CANNOT SLIP out of the rope.

DO NOT use the trapdoor latch access hole as a tying point, Platforms have a tie hole in the fixed part of the deck.

USE OF SIDE PROPS

Side Props increase and improve the STABILITY of the Lift Shaft Tower.

Position the Side Props symmetrically to obtain the MAXIMUM STABILITY

Position the first set of Side props above the first rung of the first platform level and then every 3.5m.

SAFE WORKING LOADS

The MAXIMUM number of persons on a Lift Shaft Tower at any one time during assembly and dismantling is TWO.
The MAXIMUM number of simultaneous Work Platforms allowed is ONE.
The MAXIMUM number of persons allowed on a Work Platform is ONE.
The MAXIMUM number of persons allowed on a Rest Platform is ONE.
To calculate you are within safe working loads you MUST take into account the total weight of the tower, the equipment and materials you are using and the people on the tower.

LIFT SHAFT TOWER ASSEMBLY GUIDE

1. Insert a base plate into each adjustable leg, leave approximately 25mm between the nut and the end of the leg for levelling purposes.

2. Insert the assembled legs into each 5 rung frame.

3. From inside the tower, fit in 2 horizontal braces to the vertical member of the frames, as low as possible, below the 1st rung.

4. Add 2 diagonal braces from the 1st to 3rd rungs as shown, check and adjust the base position (if required) for the build.

5. Add temporary trapdoor platform to the 3rd rung, trapdoor at the ladder end.

6. Level the tower adjusting the leg nut using a spirit level as a guide.

7. Sitting through the trapdoor fit 4 horizontal braces to the verticals above each rung of the frames above the platform to complete a guardrail.

8. Fit a 4 rung ladder and 4 rung plain frame to the 5 rung base frames, ladders MUST run continuously throughout the tower; lock in place with the interlock clips.

LIFT SHAFT TOWER ASSEMBLY GUIDE

9. Fit 2 diagonals to the frame rungs in a cross pattern starting 2 rungs up from the platform. ALL other platform levels start 1 rung up from the platform.

10. Fit a side prop to the outside of the frames at each end above the platform ensuring the couplers are tight, wind the legs to engage the walls, check there's no side movement. FIT SIDE PROPS EVERY OTHER PLATFORM LEVEL.

11. Fit the next trapdoor platform to the 4th rung above the platform alongside the brace hooks. Ensure the trapdoor is at the ladder end,

12. Sitting through the trapdoor fit 4 horizontal braces to the verticals above each rung of the frames above the platform to complete a guardrail.

13. Go back down to the 1st platform, sitting through the trapdoor remove all the guardrail braces and descend to the ground and remove the temporary platform.

14. Fit 2 diagonal braces to complete the brace run on the tower.
THIS COMPLETES THE BASE SET UP FOR ALL TOWERS UP TO 10.69m PLATFORM HEIGHTS. REPEAT STEPS 8 - 12 UNTIL YOU REACH YOUR REQUIRED HEIGHT.
GO TO STEP 16.

15. ALL TOWERS ABOVE 10.69m PLATFORM HEIGHT DOUBLE BRACE THE BASE THEN REPEAT STEPS 8 – 12.
Fit 4 diagonals to the 2 base run of braces running in opposite directions to the existing ones on the tower. You should create an X on each side on the first 2 levels of braces

16. Fit toeboard clips and toeboards to complete the tower.

Dismantling is the reverse of assembly

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