YOUNGMAN



BoSS Ladderspan User Guide

Mobile Aluminium Tower 1450/850 Ladderspan

3T - Through the Trapdoor Method

INSTRUCTION MANUAL

Mobile Towers - 3T Method

INTRODUCTION

Please read this manual carefully.

Please note that diagrams are for illustrative purposes only.

User guides are also available to download from our website at youngmangroup.com

BoSS mobile aluminium towers are light-weight scaffold towers used throughout the building and construction industry for both indoor and outdoor access solutions where a stable and secure platform is required. Ideal for maintenance and installation work or short-term access, the highly versatile towers provide a strong working platform for a variety of heights.

This Instruction Manual provides you with step by step instructions to ensure your system is assembled easily and safely, using the 3T (Through The Trapdoor) method.

The law requires that personnel erecting, dismantling or altering towers must be competent. Any person erecting a Youngman BoSS mobile tower must have a copy of this guide. For further information on the use of mobile access and working towers consult the PASMA operators 'code of practice.

If you need further information, design advice, additional guides or any other help with this product, please contact Youngman on +91-9015964626 or email sales@youngman.co.in.

COMPLIANCES

The BoSS Ladderspan aluminium system has been tested and certified to EN 1004: 2004 Class 3





Instruction Manual EN 1298-IM-EN

PREPARATION AND INSPECTION

Inspect the equipment before use to ensure that it is not damaged and that it functions properly. Damaged or incorrect components shall not be used.

SAFE USE

- Che ck that all components are on sit e, undamaged and that they are functioning correctly – (refer to Checklist and Quantity Schedules). Damaged or incorrect components shall not be used.
- Che ck if the ground on which the mobile access tower is to be erected and moved is capable of supporting the tower.
- The sa fe working load is 275 kgs (606lbs), per pl atform level, uniformly distributed up to a maxi mum of 950kgs (2100lbs), per tower (in cluding sel f weight).
- Towers must a lways be climbed from the inside using the built in ladder during assem bly and us e.
- It is recommended the at towers should be tied to a solid structure when left un attended.
- Adjusta ble legs should on ly be used for levelling.

LIFTING OF EQUIPMENT

- Tower components should be lifted using a relia ble lifting material (e.g. strong rope), employing a reliable knot (e.g. clove hitch), to ensure safe fastening and always lift within the footprint of the tower.
- Assem bled mobile towe rs should not be lifted with a crane or other lifting d evice.

STABILISERS / BALLAST

- Stabilise rs or outri ggers and ballast weights shall a lways be fitted when specified.
- The Quantity S chedules show the recommended stabilis ation In circumstances where there is restricted ground clearance for stabilise rs/outriggers, contact your supplier for a dvice. Ballast must be of solid m aterials (i. e. not water or loose sand) and should not be positioned to overload individual leg s. Ballast should be secured a gainst accidental rem oval where practica ble, and be supported on the lowest rung of the bottom frame.

MOVEMENT

- The tower should on ly be m oved by manual effort, and on ly from the bas e.
- When moving the towe r, beware of live electrical apparaus, particularly overhead, plus wires or moving parts of machinery.
- No pe rson or m aterials should be on the tower during movement.
- Caution should be exercised when wheeling a tower over rough, un even or sloping ground, taking care to unlo ck and lock casto rs. If stabilise rs are fitted, they should on ly be lifted a maxi mum of 25mm ab ove the ground to clear ground obstructions.
- The overall height of the tower when being m oved, should not exceed 2.5 times the mini mum base dimension s, or 4 metres overall height.
- Be fore us e, check the tower is still co rrect and complet e.
- After every movement of the tower use a spirit I evel to check that it is vertical and I evel and set the adjusta ble legs as required.
- Do not move the tower in wind speeds over 7.7 metres per second (17mph).

DURING USE

• Beware o f high winds in exposed, gusty or medium bree ze conditions. We recommend that in wind speeds over 7.7 metres per second (17 mph), cease wo rking on the tower and do not attempt to move it. If the wind becomes a strong bree ze, expected to reach 11.3 metres per second (25 mph), tie the tower to a rigid st ructure. If the wind is li kely to reach gale force, over 18 metres per second (40 mph), the tower should be dismantled.

Wind Description	Beaufort Scale	Beaufort No.	Speed in m.p.h	Speed in m/sec
Medium Bree ze	Raises dust and loose pape r, twigs snap off	4	8-12	4-6
Strong Bree ze	Large bran ches in motion, telegraph wires whistle	6	25-31	11-14
Gale Force	Walking is difficult	8	39-46	17-21

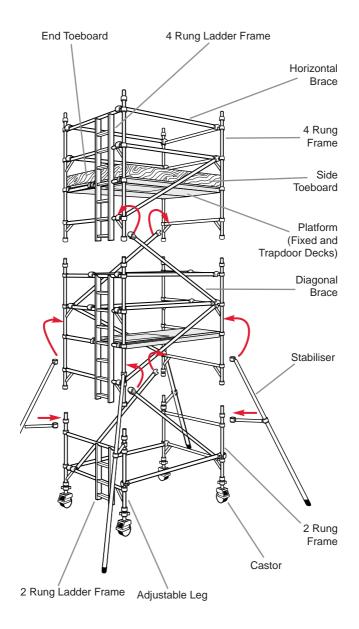
- Beware o f open ended buildings, which can cause funnelling effect.
- Do not a buse equipment. Damaged or inco rrect components shall not be used.
- Raising and lowering component s, tools, and/or m aterials by rope should be conducted within the lower bas e. Ensure that the safe working load of the supporting decks and the tower structure is not exceeded.
- The assem bled tower is a wo rking pl atform and should not be used as a means o f access or egress to other st ructures.
- Beware o f horizontal forces (e.g. power tools) which could generate instability. Maximum horizontal force 20 kg.
- The stairw ay towers, featuring an in clined staircase acces s, are for frequent use by personnel carrying tools and/or materials.
- Mobile towers are not designed to be suspended please refer to your supplier for a dvice.
- Do not use b oxes or stepladde rs or other objects on the platform to gain extra height.

TIES

- Ties should be used when the tower goes b eyond its sa fe height, b eyond the limits of the stabilise rs/outriggers, or if there is a danger of instability. They should be rigid, two way ties fastened to both uprights of the frame with load-bearing right angled or swivel couple rs. On ly couple rs suitable for the 50.8mm diameter tube of the tower should be used. Ideally, ties should be secured to both faces of a solid structure by means of an chorages.
- The tie frequen cy may vary depending on the applic ation, but they should, at a mini mum, be every 4 metres height.
- For further information on tying-in a tower please contact your supplier or Youngman.

MAINTENANCE - STORAGE - TRANSPORT

- All components and their pa rts should be regula rly inspected
 to identify damag e, pa rticularly to joints. Lost or bro ken pa rts
 should be replaced, and a ny tubing with indent ation greater
 than 5mm should not be used and put to one side for
 manufacture repai r. Adjusta ble leg threads should be cleaned
 and light ly lubric ated to keep them free running.
- Brace claws, frame interlock clips, trapdoor I atches and platform windlocks should be regula rly checked to ensure they lock correctly.
- Refer to the BoSS Inspection Ma nual for detailed inspection and maintenance a dvice
- Components should be stored with due care to pr event damag e.
- Ensure components are not damaged by excessi ve strapping forces when transpo rted.



Quantity Schedule 1450 Width Towers

Internal Use

Internal/External Use - Towers under 2.5m are outside of the scope of EN1004 BoSS 1450 Ladderspan to EN 1004: Available in 2 lengths - 1.8m and 2.5m

. 13.2 13.7 14. 11.2 11.7 12.	4	4	-	-	-	-	6 5 6	9 2 9	1 1	9 9	26 26 26
2 12.7 2 10.7	4	4			-	-	5	5	2	5	2 22
7 12.2	4	4	-	-			2	2	-	2	22
2 11.7	4	4	-	-	-	-	4	4	-	2	22
11.2	4	4					5	5	-	2	22
10.7	4	4			-	-	4	4	2	4	18
10.2	4	4	-	-			4	4	-	4	18
9.7	4	4	-	-	-	-	е	е	-	4	18
9.2	4	4					4	4	-	4	18
8.7	4	4			-	-	m	m	2	æ	14
8.2	4	4	-	-			m	m	-	m	14
5.7	4	4	-	-	-	-	2	2	-	m	14
7.2	4	4					т	m	-	т	4
6.7	4	4			-	-	2	2	2	2	10
6.2	4	4	-	-			2	2	-	2	10
5.7	4	4	-	-	-	-	-	-	-	2	10
5.2	4	4					2	2	-	2	10
4.7	4	4			-	-	-	-	2	-	9
4.2	4	4	-	-			-	-	*-	-	9
3.7	4	4	-	-	-	-			-	-	9
3.2	4	4					-	-	-	-	9
COMPONENT WORKING HEIGHT (m) PLATFORM HEIGHT (m)	125/150/200mm Castor	Adjusta ble leg assem bly	14502 Rung Ladder Frame	1450.2 Rung Span Frame	14503 Rung Ladder Frame	14503 Rung Span Frame	14504 Rung Ladder Frame	1450 4 Rung Span Frame	1.8m and 2.5m Fi xed De ck	1.8m and 2.5m Trap Door De ck	1.8m and 2.5m Hori zontal Brace (red)

* If you are una ble to position the working platform easily from the ground, you may require an additional fi xed platform for this tower MPORTANT: Please ensure you also read the Quantity Schedule on page 8. height.

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2.1m and 2.7m Diagonal Brace (

Quantity Schedule 1450 Width Towers

nternal Use

BoSS 1450 Ladderspan to EN 1004: Available in 2 lengths - 1.8m and 2.5m

8.2 6.7 6.2 4.7 WORKING HEIGHT (m) PLATFORM HEIGHT (m) 1.8m TOWER Total Self-weight (kgs) 2.5m TOWER Total Self-weight (kgs) 1.8m and 2.5m Side Toeboard Internal/External Use SP10 Telescopic Stabiliser SP15 Telescopic Stabiliser 1.2m End Toeboard SP7 Fi xed Stabiliser

Toeboard Holder

See pages 10 and 30 for stabiliser position s.

Quantity Schedule

1450 Width Towers

NUMBER OF WORKING PLATFORMS ALLOWED

The MAXIMUM SAFE WORKING LOAD (the combined weight of the use rs, tools and materials) that may be placed on the tower is the total weight less the self weight of the tower. The total weight for the towers shown in the schedule is 950kg.

Example 1:

A 1450 tower built using the 3T method with a 4.2m pl atform height and a pl atform length of 1.8m has a sel f weight of 175k g.

950kg — 180kg = 775kg maximum safe working load total weight sel f weight (users, tools and materials)

Example 2:

A 1450 tower built using the 3T method with a 11.7m pl atform height and a pl atform length of 2.5m has a sel f weight of 436k g.

950kg — 436kg = 514kg maximum safe working load total weight sel f weight (users, tools and materials)

For gre ater heights and load s, consult Youngman for guidanc e.

PLATFORM LOADING

On a 1450 tower a pl atform may comprise of a single deck or two decks placed side by side. The maximum safe working load (the combined weight of the users, tools and materials) that may be placed on a platform is 275kg. This must be evenly distributed over either one deck, or two decks placed side by side.

The quantities on pages 7 and 8, will enable BoSS towers to be built safely and there fore comply with the requirements of the Work at Height Regulations. They include double guardrails to all platforms, and to eboards will need to be added if any levels are used as working platforms and for storage of materials. EN 1004 requires platforms at least every 4.2m, and these measures will exceed that requirement.

Quantity Schedule 1450 Width Towers

BALLAST: Internal/External Use

There is no requirement for ballast on 1450 towe rs if using stabilise rs as detailed in the ta ble on page 8.

MOBILE OUTRIGGERS

MP16 outri ggers can be used instead o f SP15 stabilise rs, as detailed belo w. Mobile outri gger kits comprise:

Mobile Outrigger Kit	
MP16 Mobile Outri gger	4
125/150/200mm Castor (Use same diameter casto rs as on tower)	4
250mm Adjusta ble leg	4
Plan Braces	4
The ab ove components replace:	
SP15 Stabiliser	4

STABILISERS

To improve rigidity, larger stabilise rs can be used at a lower level than shown in the table on page 8.

Angle of Stabiliser 1450 TOWER



Double width 1450 Towers Dimension X

	Platform Length 1.8m	Platform Length 2.5m
SP7	X= 3351	X= 3629
SP10	X= 4789	X= 5100
SP15	X= 5520	X= 5838

Stabiliser feet should form a square as shown in the diagram and table above.

Quantity Schedule 850 Width Towers

BoSS 850 Ladderspan to EN 1004: Available in 2 lengths - 1.8m and 2.5m	Internal/External Use - Towers under 2.5m are outside of the scope of EN1004
BoSS 850 Ladderspan	Internal/External Use -

IMPORTANT: Please ensure you also read the Quantity Schedule on page 12.

* If you are una ble to pos ition the working platform easily from the ground, you may require an additional fixed platform for this tower height

Quantity Schedule 850 Width Towers

4

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14.2 12.2 2 4

Internal Use

Internal/External Use - Towers under 2.5m are outside of the scope of EN1004 BoSS 850 Ladderspan to EN 1004: Available in 2 lengths - 1.8m and 2.5m

																		Ī	Ī		Ī		Ī
COMPONENT	WORKING HEIGHT (m) 3.2 3.7 4.2 4.7 5.2 5.7 6.2 6.7 7.2 7.7 8.2 8.7 PLATFORM HEIGHT (m) 1.2 1.7 2.2 2.7 3.2 3.7 4.2 4.7 5.2 5.7 6.2 6.7	3.2	3.7	4.2	4.7	3.2	3.7	4.2	5.2 5.7 6.2 6.7 7.2 7.7 3.2 3.7 4.2 4.7 5.2 5.7	7.2	5.7	8.2	8.7	9.2 9.7 7.2 7.7			10.7 8.7 9	10.7 11.2 11.7 8.7 9.2 9.7	9.7	12.2 12.7 10.2 10.7	12.7	13.2 13.7 11.2 11.7	13.7
0.6m End Toeboard	ard	2	2	2	2	2	2	2	2	2	2	2	2	2	2	 	2	2	2	2	2	2	2
Toeboard Holder		4	4	4	4	4	4	4	4	4	4	4	4	4	4	 	4	4	4	4	4	4	4
SP7 Fixed Stabiliser	iliser			4	4	4	4	4	4	4		H		H			_	Н	Г	Г	Г	Г	Г
SP10 Telescopic Stabiliser	c Stabiliser									П	4	4	4 4 4	L	4		4	4	4	4	4	4	4
SP15 Telescopic Stabiliser	c Stabiliser														_								
1.8m TOWER T	1.8m TOWER Total Self-weight (kgs)	72 79		106	126	139	146	151	172	186	106 126 139 146 151 172 186 204 210 230 243 250	10 2	330 2	243 2		270 2	276 2	289	296	301	321	335	341
2.5m TOWER T	2.5m TOWER Total Self-weight (kgs)	84	06	117	143	158	165	172	198	225	90 117 143 158 165 172 198 225 233 239 264	39 2	264 2	280 2	286 38	382 3	318	334	341 347		372	488	395

See pages 14 and 30 for stabiliser position s.

Quantity Schedule

850 Width towers

NUMBER OF WORKING PLATFORMS ALLOWED

The MAXIMUM SAFE WORKING LOAD (the combined weight of the use rs, tools and materials) that may be placed on the tower is the total weight less the self weight of the tower. The total weight for the towers shown in the schedule is 950kg.

Example 1:

An 850 tower built using the 3T method with a 4.2m pl atform height and a pl atform length of 1.8m has a sel f weight of 151k g.

950kg — 151kg = **799kg maximum safe working load** total weight sel f weight (users, tools and materials)

Example 2:

An 850 tower built using the 3T method with a 11.7m pl atform height and a pl atform length of 2.5m has a sel f weight of 408k g.

950kg — 410kg = **540kg maximum safe working load** total weight sel f weight **(users, tools and materials)**

For greater heights and load s, consult Youngman for guidanc e.

PLATFORM LOADING

On an 850 tower a pl atform comprises of a single deck only. The maximum sa fe working load (the combined weight of the users, tools and materials) that may be placed on a platform is 275kg, evenly distributed over the deck.

The quantities on **pages 11 and 12**, will enable BoSS towe rs to be built sa fely and there fore comp ly with the requirements of the Work at Height Regulations 2005. They include double guardrails to all platforms, and to eboards will need to be added if any levels are used as working platforms and for storage of materials. EN 1004 requires platforms at least every 4.2m, and these measures will exceed that requirement.

Quantity Schedule 850 Width Towers

BALLAST: Internal/External Use

There is no requirement for ballase on 850 towe rs if using stabilise rs as detailed in the ta ble on page 12

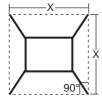
MOBILE OUTRIGGERS

MP16 mobile outri ggers can be used instead o f SP15 telescopic stabilise rs respecti vely, as detailed belo w. Mobile outrigger kits comprise:

Mobile Outrigger Kit	
MP16 Mobile Outri gger	4
125/150/200mm Castor (Use same diameter casto rs as on tower)	4
250mm Adjusta ble leg	4
Plan Braces	4
The ab ove components replace:	
SP15 Stabiliser	4

STABILISERS

To improve rigidity, larger stabilise rs can be used at a lower level than shown in the table on page 12.



Single Width 850 Towers Dimension X

	Platform Length 1.8m	Platform Length 2.5m
SP7	X= 2994	X= 3201
SP10	X= 4458	X= 4734
SP15	X= 5195	X= 5485

Stabiliser feet should form a square as shown in the diagram and table above.

Mobile Towers - 3T Method

ASSEMBLY AND DISMANTLING PROCEDURES

When building a BoSS Tower:

- To comp ly with the Work at Height Regulations we show assem bly procedures with pl atforms every 2 metres in height, and, the loc ating of guardrails in a dvance of climbing onto a platform to reduce the risk of a fall.
- All platforms feature double guardrails on both faces o f either individual platforms or fully decked levels.
- All guardrails should be 1 and 2 rungs (0.5m and 1.0m) ab ove platforms.
- Never stand on an unguarded pl atform positioned ab ove the first rung of a towe r. If your risk assessment shows it necessa ry, you may also need to guardrail pl atforms at this level.
- Always start building with the smallest height frames at the base of the tower:

Platform Heights in Metres	Frame at base
1.7, 2.2, 3. 7, 4.2, 5.7, 6 .2, 7.7, 8.2, 9.7, 10.2, 11.7, 12.2	2 rung
2.7, 4.7, 6.7, 8.7, 10.7	3 rung
1.2, 3.2, 5.2, 7.2, 9.2, 11.2	4 rung

Where all 3 frame heights are used in a tower, start with 2 rung frames at the base, with the 3 rung frames next and the 4 rung frames on the top. Refer to the quantity schedules for detail.

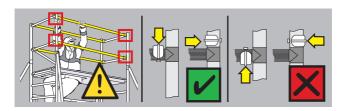
TO DISMANTLE A BoSS LADDERSPAN TOWER

- Remove to eboard s, and pass down the towe r.
- Unclip farthest end of braces and immedi ately go to protected trapdoor position on ladder to complete rem oval.
- Remove upper pl atforms from protected pl atform levels belo w.
- Pass rem oved components out of the tower to a colleague.

Safety Checklist Mobile Towers - 3T Method

CHECKLIST

Ensure all b race claws o perate and lock correctly prior to erection	/
Inspect components prior to erection	~
Inspect tower prior to use	/
Tower upright and I evel	/
Casto rs lo cked and legs co rrectly adjusted	~
Diagonal braces fitted	~
Stabilise rs/outriggers fitted as specified	✓
Platforms loc ated and windlo cks on	~
Toeboards loc ated	~
Che ck guardrails are fitted co rrectly. See illustration below.	/





Assembly Procedure Mobile Towers - 1450 3T Method

ASSEMBLY FOR 1450 TOWERS

Always start building with the smallest height frames at the base of the tower:

Platform Heights in Metres	Frame at base
1.7, 2.2, 3.7 , 4.2, 5.7, 6.2, 7.7, 8.2, 9.7, 10.2, 11.7, 12.2	2 rung
2.7, 4.7, 6.7, 8.7, 10.7	3 rung
1.2, 3.2, 5.2, 7.2, 9.2, 11.2	4 rung

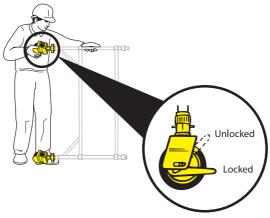
Where all 3 frame heights are used in a tower, start with 2 rung frames at the base, with the 3 rung frames next and the 4 rung frames on the top. Refer to the Quantity Schedules for detail. The procedure illustrated shows 4.2m platform height tower starting with a 2 rung frame.

Youngman recommend two persons are used to build BoSS Towers. Above 4m height, it is essential that at least two persons are used. Only climb the tower from the inside.

Push castor into adjustable leg. Push Castor /adjustable leg assemblies into 2 rung span frame. Lock castors. Repeat procedure with 2 rung ladder frame.

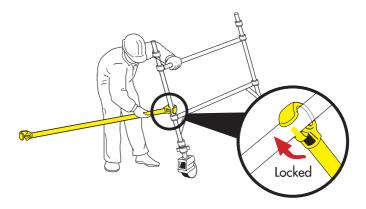
It is recommended that for ease of levelling a gap of 50mm is left between the bottom of the leg and the adjustable nut. Adjustable Legs are for levelling only. You must not adjust all four to gain extra height.

NB: Base plates can be fitted to adjustable legs in lieu of castors if it is not necessary to move the tower.

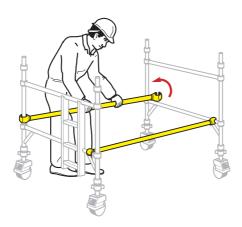


2 Fit one hori zontal brace (red) onto the vertical of an span frame, just ab ove the bottom rung, with the claw facing outwards. The frame will now be self supporting.

Note: All locking claws must be opened before fitting.

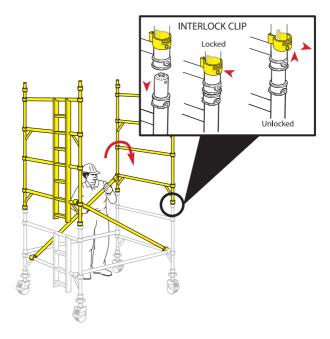


Position the ladder frame as shown and fit the other end of the horizontal brace on to the vertical, just above the bottom rung. Fit a second horizontal brace between the bottom rungs on the other side of the frames to square the tower.



Fit 2 additional end frames ensuring the frame interlock clips are engaged. Fit 2 diagonal braces (blue) in opposing directions, between the 1st and the 3rd rungs. Ensure the frames are vertical and I evel by checking with a spirit I evel and setting the adjustable legs as required.

IMPORTANT – Only use the adjustable legs to level the tower and not to gain extra height.

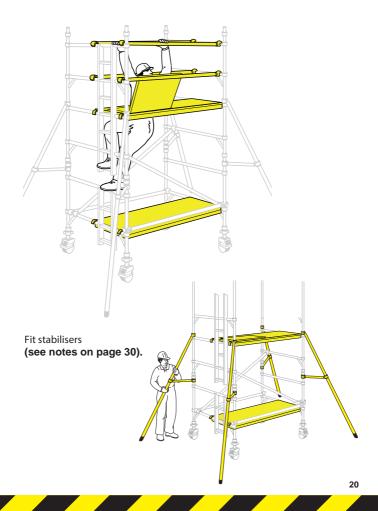


Fit a temporary deck on the lowest rungs. Fit a trapdoor deck on the 4th rung (2.0m) with the trapdoor next to the ladder. Ensure the trapdoor is positioned with the hinges towards the outside of the tower as shown. Climb the ladder and, from the protected trapdoor position, fit guardrails on the 5th and 6th rungs (in that order) on both sides of the platform.

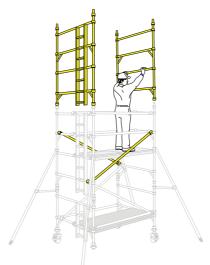
Do not climb onto the deck until it is fully guard-railed.

When horizontal braces are fitted as guardrails, they should be 0.5m and 1.0m (1 and 2 rungs) above the platform level in all cases.

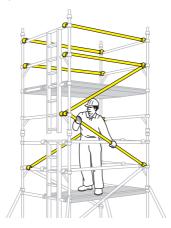
Remove the temporary deck from the lowest rung



6 Fit the next pair of diagonal braces in opposing directions between the 3rd and 5th rungs add 2 additional end frames.



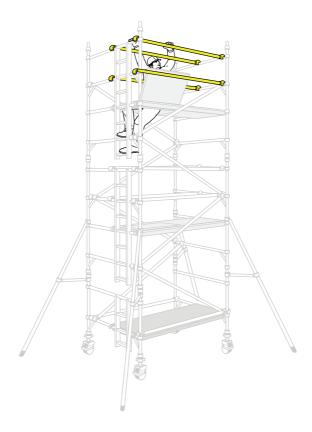
Add two more diagonal braces between the 5th and 7th rungs. If finishing at this height (4.2m platform),reposition the fixed deck to the 8th rung on the tower. Fit a trapdoor deck alongside it, with the hinges towards the outside of the tower, and the trapdoor next to the ladder. Add a single diagonal between the 7th and 9th rungs as shown. Climb up the ladder, and from the protected trapdoor position, fit the guardrails on the 9th and 10th rungs, in that order, on both sides of the tower.



When building beyond a 4.2m platform height.

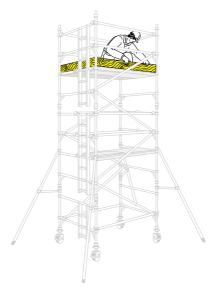
Continue to add pairs of end frames, diagonal braces and fit trapdoor decks as shown in the previous steps. Add guardrails at 0.5m and 1.0m, (in that order), above the platform from the protected trapdoor position.

Do not climb onto the platform until it is fully guard-railed.



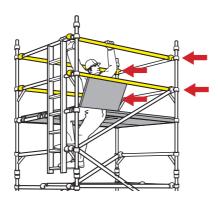
Continue until the required height is reached. Re-position the fixed deck to the required platform height and fit a trapdoor deck alongside it as shown in stage 7. Fit a single diagonal at the top of the tower as shown in stage 7.

7 Fit toeboards (see Inst ructions on page 29). The tower is now complet e.



Dismantling Procedure

To take down the tower r everse the building sequence. When removing guardrail braces, unlock the 4 claws furthest from the trapdoor and then return immediately to the protected position within the trapdoor. You may then unlock the claws at the other ends of the guardrails to remove them from the tower.



Assembly Procedure Mobile Towers - 850 3T Method

ASSEMBLY FOR 850 TOWERS

Always start with the smallest height frames at the base of the tower:

Platform height in Metres	Frame at base.
1.7, 2.2, 3.7, 4.2, 5. 7, 6.2, 7.7, 8.2, 9.7, 10.2, 11.7, 12.2	2 Rung
2.7,4.7,6.7,8.7,10,7	3 Rung
1.2,3.2,5.2,7.29.2,11.2	4 Rung

Where all 3 frame heights are used in a towe r, start with 2 rung frames at the bas e, with the 3 rung frames n ext and the 4 rung frames on the to p. Refer to the quantity s chedules for detail.

The procedure illustrated shows a 3.2m platform height tower starting with an 4 rung frame.

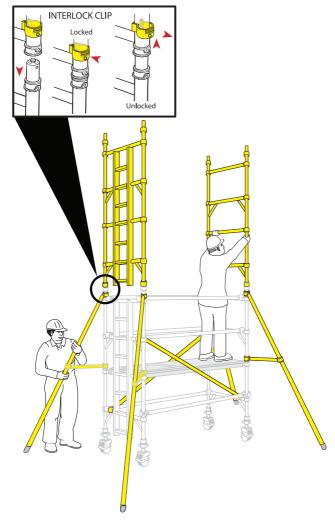
Insert adjustable leg/castor assemblies into end frames and lock the casto rs, see diagram Step 1 (page 17). Base pl ates can be fitted to the adjusta ble legs i f it is not necessa ry to move the tower. Fit 2 hori zontal braces to the 850 end frames as shown in steps 2 and 3 for the 1450 tower procedure (page 18).

Fit a trapdoor de ck on the 2nd rung. Fix the hori zontal braces (red) as guardrails on the 3rd and 4th rungs ab ove the pl atform) on both sides o f the tower.



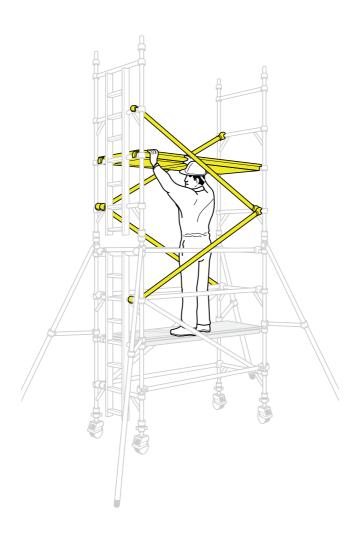
Fit 2 diagonal braces in opposing directions between the 1st and 3rd rungs. Ensure the frames are vertical and I evel by checking with a spirit I evel and setting the adjusta ble legs as necessary. Fit stabilisers (see notes on page 30). Fit the next pair of end frames and check the frame interlock clips are en gaged.

IMPORTANT. Only use the adjustment on the legs to level the tower and not to gain extra height.

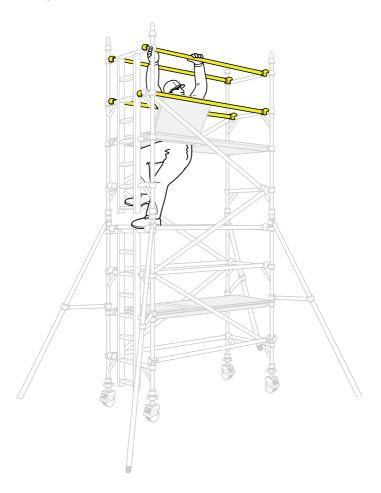


Fit 2 pairs of diagonal braces in opposing directions between the 3rd and 5th rungs and the 5th and7th rungs.

Loc ate a trapdoor de ck on the 6th rung, with the trapdoor n ext to the ladde r.



Climb up the inside o f the tower and from the protected position of the trapdoo r, fit guardrails to the 7th and 8th rungs, (in that order), on both sides o f the tower.



Continue the procedure until the required wo rking height is reached, adding additional pairs of end frames, diagonal braces and fitting trapdoor platforms, as shown on previous steps. At every platform level, add horizontal braces as guardrails from the protected position within the trapdoor, (as shown in step 5).

Fit a single diagonal at the top of the tower as shown.

Fit the to eboards (see inst ruction on page 29).

The tower is now complet e.



Dismantling Procedure

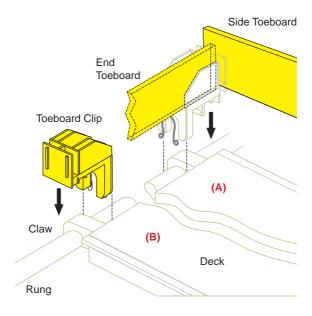
To take down the tower r everse the building sequence. When rem oving guardrail brace s, unlock the 4 claws furthest from the trapdoor and then return immediately to the protected position within the trapdoor. You may then unlock the claws at the other ends of the guardrails to remove them from the tower.

Toeboards

Mobile Towers - 3T Method

FITTING TOEBOARDS

Lock yellow plastic to eboard clips over rung and de ck claw as shown. Position as (A) on right hand de ck claw. On other side of the working platform, position the clip as (B). Place 25mm thi ck toeboards into slots in to eboard clips as shown.



Stabilisers and Outriggers

Mobile Towers - 3T Method

STABILISERS

Attach one stabiliser to each corner of the tower as shown. Ensure stabiliser feet are equal ly spaced to form a squar e.

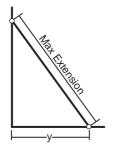
SP10 and SP15 telescopic stabilise rs must a lways be ful ly extended.

Position the lower clamp so that the lower a rm is as close to the horizontal as possible. Adjust the position of the top clamp to ensure the stabiliser foot is in firm contact with the ground. Ensure clamps are secure.

Stabilise rs are used when the tower is to be moved occasional ly, frequent movement will require mobile outriggers.

When moving the towe r, adjust the top clamps to lift the four stabiliser feet a maxi mum of 25mm off the ground and then unlock the castor brakes. After moving ensure all four stabiliser feet are repositioned in firm contact with the ground.

STABILISER DIMENSIONS



	У
SP7	1227
SP10	2241
SP15	2757

OUTRIGGERS

For information on mobile outriggers please consult your supplier.

YOUNGMAN

For further information about this product or any other products and services, please contact:

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