

BOSS®



Side Cantilever

Mobile Aluminium Tower
3T - Through the Trapdoor

Instruction Manual
EN 1004-2 en

Contents

1 Safety First

1.1	Introduction	2
1.2	Tower Specification	3
1.3	Maintenance - Storage - Transport	3

2 Building the Tower

2.1	Pre-Assembly Checks	4
2.2	Component Diagram	6
2.3	Quantity Schedule	8
2.4	Stabilisers	12
2.5	Ballast	13
2.6	Assembly	14
2.7	Dismantling	23

3 Using the Tower

3.1	Safety Checklist	24
3.2	Pre-Use Checklist	24
3.3	Use	25
3.4	Movement of the Assembled Prefabricated Tower Scaffold	26

4	Addendum	28
---	----------	----

1 Safety First

1.1 Introduction

Please read this instruction manual carefully.

This instruction manual shall be available at the location of use of this access tower. Instruction manuals are also available to download at www.bossaccesstowers.com.



This product shall only be used in accordance with this manual without any modification.



FAILURE TO FOLLOW THESE INSTRUCTIONS MAY LEAD TO DEATH OR SERIOUS INJURY.

Access towers must always be used in accordance with the national regulations. If any aspect of these instructions conflicts with local regulations, please contact Werner UK Sales & Distribution Ltd. for advice.

Please note that diagrams are for illustrative purposes only.

User training courses are available but must not be used as a substitute for familiarity with this manual.

BoSS 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.

Verification and assessment documentation is held by Werner UK Sales & Distribution Ltd.

Compliances



The BoSS Side Cantilever tower system has been designed, tested, approved and certified to BS 1139-6:2022 Metal Scaffolding.

This instruction manual is in compliance with EN 1004-2:2021.

1 Safety First

1.2 Tower Specification

2 6/6 XXXD H2

Load Class (2 = 153kg/m² UDL, 3 = 204kg/m² UDL*)

Max. Platform Height Outdoors (m)

Max. Platform Height Indoors (m)

Access Method

A = Stairway, B = Stair Ladder, C = Inclined Ladder, D = Vertical Ladder

Clear Height Class (H1 = 1.85m, H2 = 1.90m)

*UDL = Uniformly distributed load

1.3 Maintenance - Storage - Transport

- The BoSS tower system is robust and requires little maintenance.
- All components and their parts should be regularly inspected to identify damage, particularly to joints.
- Refer to the BoSS Inspection Guidance for detailed inspection and maintenance advice, the guidance is available to download at: www.bossaccesstowers.com.
- Threads, hinges, and brace latches may be lubricated with light oil. Ensure oil does not contaminate climbing or walking surfaces.
- Safety labels should be kept legible. Replacement labels are available from Werner UK Sales & Distribution Ltd.
- Surfaces should be kept reasonably free of dried paint, plaster etc.
- Use of solvents on wooden platform surfaces and plastic components should be avoided.
- Components should be stored in clean, dry conditions with due care to prevent damage.
- During transportation ensure components are not damaged by excessive strapping forces.

2 Building the Tower

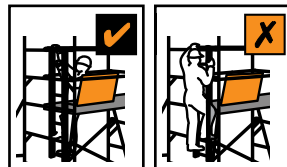
2.1 Pre-Assembly Checks

- Check overhead that the area into which the structure is to be erected contains no obstructions, particularly electrical or radio radiation hazards. The structure is conductive.
- Ensure the ground on which the access tower is to be erected is capable of supporting the tower in use.
- Check the surface is level within the 210mm range of the adjustable legs.
- Only components specified in this manual shall be used with BoSS towers. Check all required components are on site and in a suitable working condition.

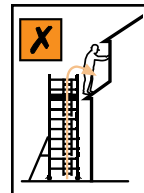
- Damaged components shall not be used and must be put beyond use and disposed of according to local regulations.



- Adjustable legs should only be used for levelling purposes and never to gain extra height.
- Ensure distance from the ground to first climbing rung is less than 400mm.
- Only climb the tower from the inside using the access method provided.



- This tower provides a work platform. It must not be used to access other structures.

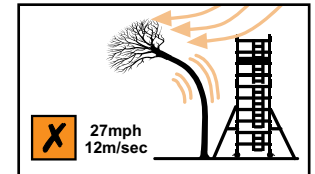


- Tower scaffolds are not designed to be lifted or suspended.
- Ensure the safe working load on the structure is not exceeded.
- Tools and materials should be lifted using a reliable lifting material (e.g. a strong rope) employing a reliable knot (e.g. clove hitch) to ensure safe fastening and always lift within the footprint of the prefabricated tower scaffold (i.e. within the area bounded by the stabilisers).

2 Building the Tower

- Check this manual is available and its contents familiar to all those involved.
- If assembling outdoors; check the forecast windspeed.

- The assembled tower is certified to wind forces equating to 27mph, but handling components under those conditions would be hazardous.



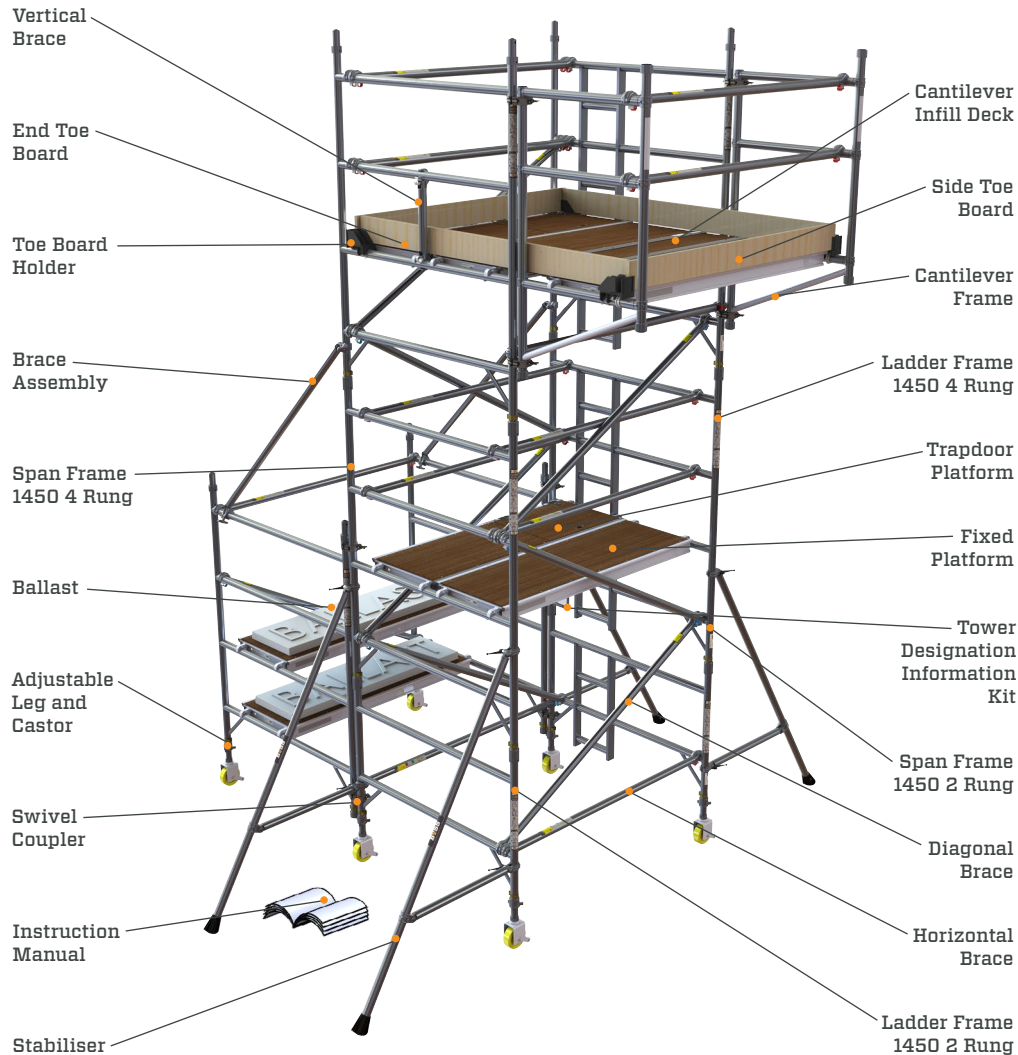
- Also consider the wind funnelling effect of nearby buildings.



- This structure is designed to be self-supporting under the loading condition requirements of EN 1004-1:2020 and does not require tying in. Consideration should be given to potential wind conditions if the tower is left unattended.

2 Building the Tower

2.2 Component Diagram



2 Building the Tower

Component Weights

Component		
Code	Name	Weight (kgs)
32842300	Castor 150mm	3.3kg
33551300	Adjustable Leg	1.1kg
60551300	Span Frame 1450 2 Rung	4.0kg
60451300	Span Frame 1450 3 Rung	5.6kg
60351300	Span Frame 1450 4 Rung	7.1kg
61151300	Ladder Frame 1450 2 Rung	5.4kg
61051300	Ladder Frame 1450 3 Rung	8.0kg
60951300	Ladder Frame 1450 4 Rung	10.4kg
34051300	Cantilever Frame	7.5kg
34651400	Vertical Brace 0.5m	1.1kg
31251300	Horizontal Brace 1.8m (red)	2.0kg
34851300	Horizontal Brace 2.5m (red)	2.4kg
31351300	Diagonal Brace 2.1m (blue)	2.1kg
31451300	Diagonal Brace 2.7m (blue)	2.5kg
34051600	Brace Assembly 0.89m	1.6kg
34451300	Brace Assembly 1.98m	2.4kg
00214100	Swivel Coupler - Steel	1.7kg
30151100	Fixed Platform 1.8m	11.8kg
30251100	Fixed Platform 2.5m	16.0kg
30451100	Trapdoor Platform 1.8m	12.7kg
30551100	Trapdoor Platform 2.5m	16.3kg
31351100	Cantilever Infill platform 1.8m	7.9kg
31451100	Cantilever Infill Platform 2.5m	11.2kg
30150900	Toe Board Holder	0.3kg
33650900	End Toe Board 2.1m	3.6kg
30450900	Side Toe Board 1.8m	3.2kg
30550900	Side Toe Board 2.5m	4.4kg
31751300	SP7 Fixed Stabiliser	3.8kg
31851300	SP10 Telescopic Stabiliser	8.8kg

BoSS Side Cantilever - 1.8m Long Main Tower with 0.6m Wide Cantilever

Code	Name	Working Height (m)	Internal or External Use														
			3.2	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2				
		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	7.2	7.7	8.2
32842300	Castor 150mm		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
33551300	Adjustable Leg		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
60551300	Span Frame 1450 2 Rung		-	1	1	-	-	1	1	-	-	1	1	-	-	1	1
60451300	Span Frame 1450 3 Rung		-	1	-	1	-	1	-	1	-	1	-	1	-	1	-
60351300	Span Frame 1450 4 Rung		3	2	3	3	4	3	4	4	4	3	4	4	5	4	5
61151300	Ladder Frame 1450 2 Rung		-	1	1	-	-	1	1	-	-	1	1	-	-	1	1
61051300	Ladder Frame 1450 3 Rung		1	-	1	-	1	-	1	-	1	-	1	-	1	-	-
60951300	Ladder Frame 1450 4 Rung		1	-	1	1	2	1	2	2	2	2	2	2	3	2	3
34051300	Cantilever Frame		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
34651400	Vertical Brace 0.5m		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31251300	Horizontal Brace 1.8m (red)		10	10	10	14	14	14	14	14	14	14	14	18	18	18	18
31351300	Diagonal Brace 2.1m (blue)		2	4	4	6	6	8	8	10	10	10	10	12	12	12	12
34051600	Brace Assembly 0.89m		-	-	-	-	-	-	-	2	2	2	2	2	2	2	2
34451300	Brace Assembly 1.98m		-	-	-	2	2	2	2	2	2	2	2	2	2	2	2
00214100	Swivel Coupler		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
30151100	Fixed Platform 1.8m		3	3	3	5	4	5	5	6	5	5	5	6	5	5	5
30451100	Trapdoor Platform 1.8m		1	1	1	1	2	2	2	2	2	2	2	2	3	3	3
31351100	Cantilever Infill platform 1.8m		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30150900	Toe Board Holder		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
33650900	End Toe Board 2.1m		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30450900	Side Toe Board 1.8m		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
31751300	SP7 Fixed Stabiliser		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
31851300	SP10 Telescopic Stabiliser		-	-	-	-	-	-	-	-	-	-	-	4	4	4	4
30001900	Tower Designation Information Kit		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Tower Total Self-weight (kg)	192	201	205	250	255	276	280	332	336	346	350
Ballast Internal Use (kg)	110	120	130	150	160	160	170	175	180	185	190
Ballast External Use (kg)	120	155	190	230	260	290	320	365	410	450	490
Max. Exerted Leg Load Internal Use (kg)	280	290	300	310	320	340	350	350	350	350	350
Max. Exerted Leg Load External Use (kg)	280	290	300	310	330	350	360	390	420	450	480
Max. No. of Persons on Any One Platform Unit	2	2	2	2	2	2	2	2	2	2	2
Max. No. of Persons Permitted on the Tower During Assembly & Dismantling	2	2	2	2	2	2	2	2	2	2	2
Max. No. of Simultaneous Working Platforms Permitted	1	1	1	1	1	1	1	1	1	1	1
	Max. No. of Persons Permitted on the Working Platform During Use										
Highest Working Platform During Use	2	2	2	2	2	2	2	2	2	2	2
2nd / 3rd / 4th / 5th / 6th Highest Working Platform During Use	-	-	-	-	-	-	-	-	-	-	-
	Max. Safe Working Load on the Working Platform (kg u.d.l.)										
Highest Working Platform (kg u.d.l.)	587	587	587	587	587	587	587	587	587	587	587
2nd / 3rd / 4th / 5th / 6th Highest Working Platform (kg u.d.l.)	-	-	-	-	-	-	-	-	-	-	-
Max. Safe Working Load on the Entire Tower Scaffold (kg u.d.l.)	587	587	587	587	587	587	587	587	587	587	587
Max. Working Platform Height for Internal Use (m)	1.2	1.7	2.2	2.7	3.2	3.7	4.2	4.7	5.2	5.7	6.2
Max. Working Platform Height for External Use (m)	1.2	1.7	2.2	2.7	3.2	3.7	4.2	4.7	5.2	5.7	6.2
Max. Horizontal Force at Working Platform (Kg per bay)	30	30	30	30	30	30	30	30	30	30	30
Max. Working Wind Limit (mph)	27	27	27	27	27	27	27	27	27	27	27
Max. Tower Wind Limit (mph)	27	27	27	27	27	27	27	27	27	27	27
Design Standard	BS1139-6	BS1139-6	BS1139-6	BS1139-6	BS1139-6	BS1139-6	BS1139-6	BS1139-6	BS1139-6	BS1139-6	BS1139-6
Load Class	2	2	2	2	2	2	2	2	2	2	2
Access Class	D	D	D	D	D	D	D	D	D	D	D
Clear Height Class	-	-	-	H2	H2	H2	H2	H2	H2	H2	H2

NOTE: The safety data specified within the schedule above which relates to the specific tower to be assembled must be transferred into the pre-defined boxes on the Tower Designation Information insert found in the Tower Designation Information Kit.

BoSS Side Cantilever - 2.5m Long Main Tower with 0.6m Wide Cantilever

Code	Name	Working Height (m)	Internal or External Use												
			3.2	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2		
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	7.2	7.7	8.2
32842300	Castor 150mm	6	6	6	6	6	6	6	6	6	6	6	6	6	6
33551300	Adjustable Leg	6	6	6	6	6	6	6	6	6	6	6	6	6	6
60551300	Span Frame 1450 2 Rung	-	1	1	-	-	1	1	-	-	1	-	-	1	1
60451300	Span Frame 1450 3 Rung	-	1	-	1	-	1	-	1	-	1	-	1	-	1
60351300	Span Frame 1450 4 Rung	3	2	3	3	4	3	4	4	3	4	4	5	4	5
61151300	Ladder Frame 1450 2 Rung	-	1	1	-	-	1	1	-	-	1	-	-	1	1
61051300	Ladder Frame 1450 3 Rung	-	1	-	1	-	1	-	1	-	1	-	-	1	-
60951300	Ladder Frame 1450 4 Rung	1	-	1	1	1	2	1	2	1	2	2	3	2	3
34051300	Cantilever Frame	2	2	2	2	2	2	2	2	2	2	2	2	2	2
34651400	Vertical Brace 0.5m	1	1	1	1	1	1	1	1	1	1	1	1	1	1
34851300	Horizontal Brace 2.5m (red)	10	10	10	14	14	14	14	14	14	14	18	18	18	18
31451300	Diagonal Brace 2.7m (blue)	2	4	4	6	6	8	8	10	10	10	12	12	12	12
34051600	Brace Assembly 0.89m	-	-	-	-	-	-	-	-	-	-	2	2	2	2
34451300	Brace Assembly 1.98m	-	-	-	-	-	-	-	-	-	-	2	2	2	2
00214100	Swivel Coupler	4	4	4	4	4	4	4	4	4	4	4	4	4	4
30251100	Fixed Platform 2.5m	3	3	3	5	5	5	5	5	5	5	6	5	5	5
30551100	Trapdoor Platform 2.5m	1	1	1	1	1	2	2	2	2	2	2	3	3	3
31451100	Cantilever Infill Platform 2.5m	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30150900	Toe Board Holder	4	4	4	4	4	4	4	4	4	4	4	4	4	4
33650900	End Toe Board 2.1m	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30650900	Side Toe Board 2.5m	2	2	2	2	2	2	2	2	2	2	2	2	2	2
31751300	SP7 Fixed Stabiliser	4	4	4	4	4	4	4	4	4	4	-	-	-	-
31851300	SP10 Telescopic Stabiliser	-	-	-	-	-	-	-	-	-	-	-	4	4	4
30001900	Tower Designation Information Kit	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Tower Total Self-weight (kg)	218	229	233	288	308	319	323	381	385	396	399
Ballast Internal Use (kg)	110	120	130	150	160	160	160	160	170	170	170
Ballast External Use (kg)	130	170	210	250	290	310	350	400	440	490	530
Max. Exerted Leg Load Internal Use (kg)	285	300	310	325	335	350	360	370	380	390	400
Max. Exerted Leg Load External Use (kg)	285	310	330	355	375	400	420	455	482	520	550
Max. No. of Persons on Any One Platform Unit	2	2	2	2	2	2	2	2	2	2	2
Max. No. of Persons Permitted on the Tower During Assembly & Dismantling	2	2	2	2	2	2	2	2	2	2	2
Max. No. of Simultaneous Working Platforms Permitted	1	1	1	1	1	1	1	1	1	1	1
	Max. No. of Persons Permitted on the Working Platform During Use										
Highest Working Platform During Use	2	2	2	2	2	2	2	2	2	2	2
2 nd / 3 rd / 4 th / 5 th / 6 th Highest Working Platform During Use	-	-	-	-	-	-	-	-	-	-	-
	Max. Safe Working Load on the Working Platform (kg u.d.l.)										
Highest Working Platform (kg u.d.l.)	715	715	715	715	715	715	715	715	715	715	715
2 nd / 3 rd / 4 th / 5 th / 6 th Highest Working Platform (kg u.d.l.)	-	-	-	-	-	-	-	-	-	-	-
Max. Safe Working Load on the Entire Tower Scaffold (kg u.d.l.)	715	715	715	715	715	715	715	715	715	715	715
Max. Working Platform Height for Internal Use (m)	1.2	1.7	2.2	2.7	3.2	3.7	4.2	4.7	5.2	5.7	6.2
Max. Working Platform Height for External Use (m)	1.2	1.7	2.2	2.7	3.2	3.7	4.2	4.7	5.2	5.7	6.2
Max. Horizontal Force at Working Platform (kg per bay)	30	30	30	30	30	30	30	30	30	30	30
Max. Working Wind Limit (mph)	27	27	27	27	27	27	27	27	27	27	27
Max. Tower Wind Limit (mph)	27	27	27	27	27	27	27	27	27	27	27
Design Standard	BS1139-6	BS1139-6	BS1139-6	BS1139-6	BS1139-6	BS1139-6	BS1139-6	BS1139-6	BS1139-6	BS1139-6	BS1139-6
Load Class	2	2	2	2	2	2	2	2	2	2	2
Access Class	D	D	D	D	D	D	D	D	D	D	D
Clear Height Class	-	-	-	H2	H2	H2	H2	H2	H2	H2	H2

NOTE: The safety data specified within the schedule above which relates to the specific tower to be assembled must be transferred into the pre-defined boxes on the Tower Designation Information insert found in the Tower Designation Information Kit.

2 Building the Tower

Assembly Variations

This section lists the permitted component variation from the Quantity Schedule.

Note: These substitutions must be made before assembly.

Stabilisers

Stabilisers with Universal Clamps may be substituted:

Component Code	Description	Weight (kg)
31751400	SP7	4.0
31851400	SP10	9.0

Castors

Other Castor sizes and types may be substituted:

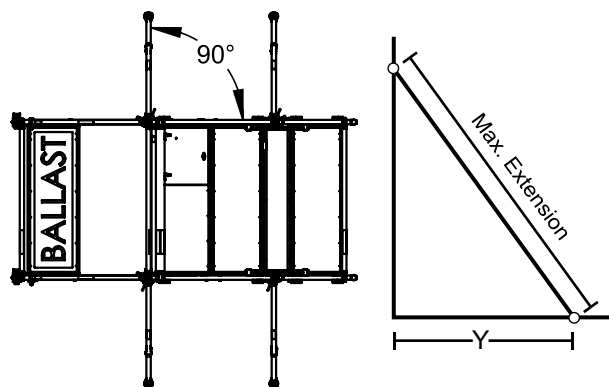
Component Code	Description	Weight (kg)
31842300	Diameter 150mm (Tyred)	3.2
32942300	Diameter 200mm	3.9
31942300	Diameter 200mm (Tyred)	3.9

2.4 Stabilisers

Stabilisers should always be fitted when specified. See quantity schedule on pages 8 to 11. Stabilisers must always be fully extended.

Attach one stabiliser to each corner of the tower as shown.

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



Description	Y (mm)
SP7	1227
SP10	2241

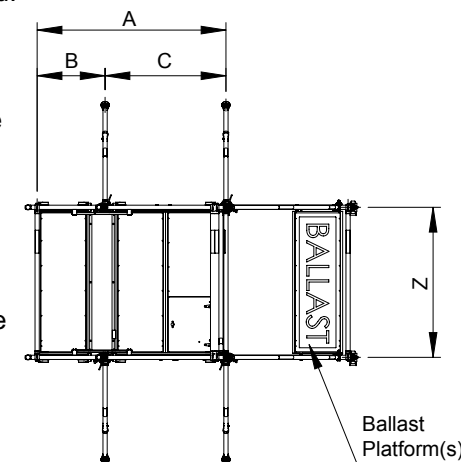
2 Building the Tower

2.5 Ballast

Ballast should always be fitted when specified. Ballast should be securely positioned to prevent unintentional movement or removal. Ballast should be made of rigid material such as steel or concrete. Ballast should not utilise liquid or granular materials.

Ballast weights placed at the base of the structure will increase tower self-weight, thereby increasing stability. Care must be taken to ensure that the weight of the ballast weights used is known, and that the total safe load on the structure, and particularly on the castors, is not exceeded. Use good manual handling techniques when handling ballast. See quantity schedule on pages 8 to 11 for ballast information.

Note: Ballast weights should be uniformly distributed to a maximum of 275kg per platform.



1.8m Long Main Tower with 0.6m Wide Cantilever

Defined Working Area	Max. Safe Working Load (Uniformly Distributed Including Persons)	Load Class	Max. No. of Persons*
A x Z	587kg	2	2
B x Z	275kg		
C x Z	312kg		

2.5m Long Main Tower with 0.6m Wide Cantilever

Defined Working Area	Max. Safe Working Load (Uniformly Distributed Including Persons)	Load Class	Max. No. of Persons*
A x Z	715kg	2	2
B x Z	275kg		
C x Z	440kg		

*Persons are assumed to be 122kg (Reference to HSE - Revision of body size criteria in standards Protecting people who work at height - Research report 342).


2 Building the Tower

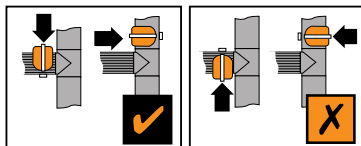
2.6 Assembly

This tower structure must be assembled, and components oriented, in accordance with this instruction manual. Deviation from this instruction manual is not permitted.



THIS TOWER MUST NOT BE USED AS AN ANCHOR POINT FOR PERSONAL FALL PROTECTION EQUIPMENT.

- No tools are required for assembly.
- An inclinometer, such as a spirit level, will be required to level the base.
- A tape measure will be required to set the stabiliser positions.
- The assembly uses the 3T (Through the Trapdoor) method that provides collective fall protection.
 - From the sitting position in the trapdoor opening fit all guardrails before standing on the platform.
 - Fit braces in the locations described and ensure the claws are locked.
- DO NOT stand on an unprotected platform.
 
- The tower may be assembled by a single person, but it is recommended that two or more are used to pass up components on the taller assemblies.
- Components must be lifted within the footprint of the tower using a reliable method such as a strong rope with a clove hitch knot.
- The tower base should be levelled to within 0.6° before continuing the assembly.
- The adjustable legs are for levelling the tower only and not to be used to gain extra height.
- Ensure when the base is levelled the distance from the ground to the first climbing rung is less than 400mm.
- Stabilisers of the size specified in the quantity schedule should be fitted at the earliest opportunity.



2 Building the Tower

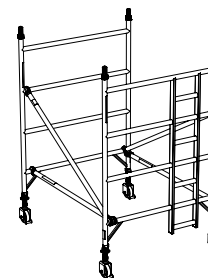
- Always start assembly with the smallest end frames at the base.

Platform Height (m)	1 st Frame	2 nd Frame	1 st Platform
1.2*, 3.2, 5.2	4 Rung (2m)	4 Rung (2m)	2 nd Rung
1.7, 3.7, 5.7	2 Rung (1m)	3 Rung (1.5m)	3 rd Rung
2.2, 4.2, 6.2	2 Rung (1m)	4 Rung (2m)	4 th Rung
2.7, 4.7	3 Rung (1.5m)	4 Rung (2m)	1 st Rung

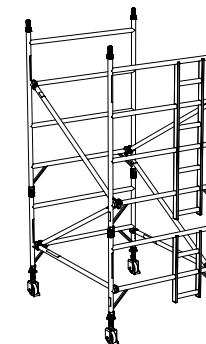
*1.2m platform height tower only requires the 1st 4 rung frame.

- Where all three frames are specified, start with the 2 rung, 3 rung next and 4 rung on top. Refer to the quantity schedule for details.

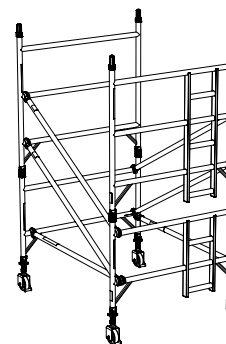
Platform heights:
1.2m, 3.2m, 5.2m



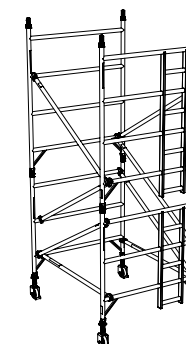
Platform heights:
2.2m, 4.2m, 6.2m



Platform heights:
1.7m, 3.7m, 5.7m



Platform heights:
2.7m, 4.7m

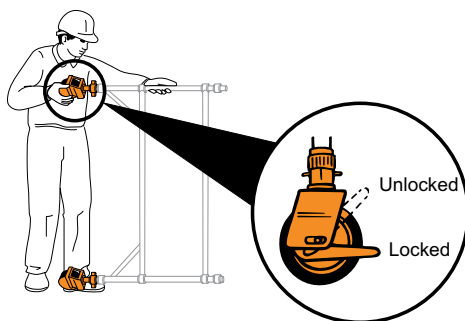


2 Building the Tower

The procedure illustrated shows a 1450 tower 4.2m platform height starting with a 2 rung end frame.

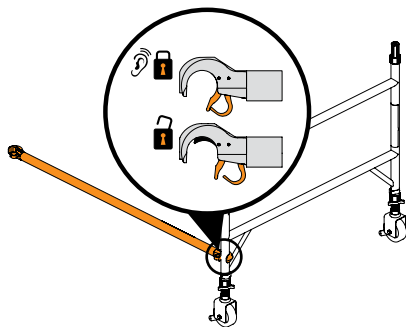
- 1** Push castor into adjustable leg. Push castor/adjustable leg assemblies into a span frame. Lock castors. Repeat procedure with a ladder frame.

It is recommended that for ease of levelling a gap of 50mm is left between the bottom of the leg and the adjustable nut.



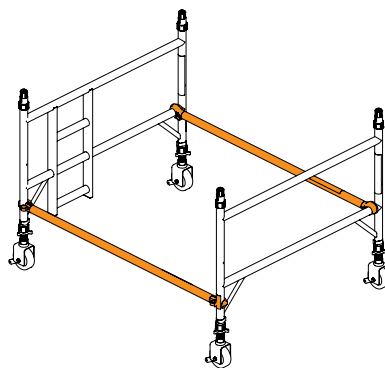
- 2** Fit one horizontal brace (red) onto the vertical of a span frame as shown, with the claw facing outwards. The frame will now be self-supporting.

All locking claws must be opened before fitting & positively locked after fitting.



- 3** Position the ladder frame as shown and fit the other end of the horizontal brace on to the vertical.

Fit a second horizontal brace between the bottom rungs on the other side of the frames to square the tower.



2 Building the Tower

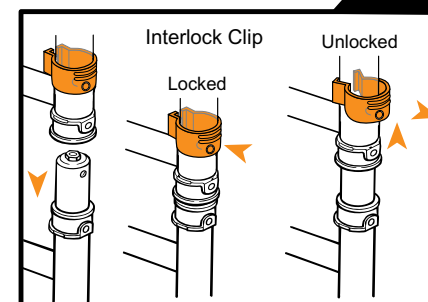
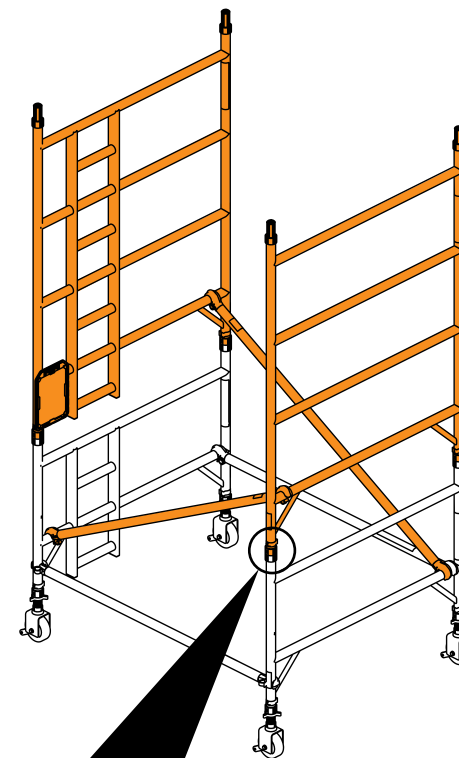
- 4** Fit two additional end frames, ensuring the frame interlock clips are engaged.

Fit two diagonal braces (blue) in opposite directions between the 1st and 3rd rungs.

Ensure the frames are vertical and level by checking with a spirit level and setting the adjustable legs as required.

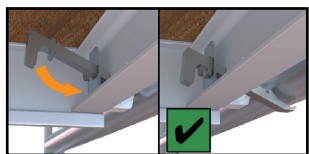
Only use the adjustment on the legs to level the tower and not to gain extra height.

Record tower designation and safety data within the tower designation information kit and attach to the tower in position shown. Refer to safety data schedule for content.



2 Building the Tower

5 Fit the next pair of diagonal braces in opposite directions between the 3rd and 5th rungs. Fit a trapdoor and fixed platform 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, and all platform wind-locks are engaged.

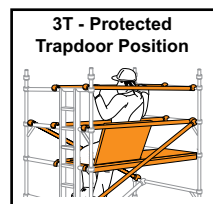
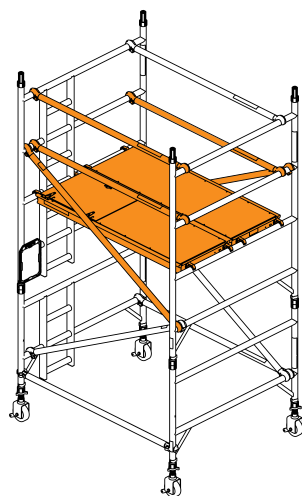
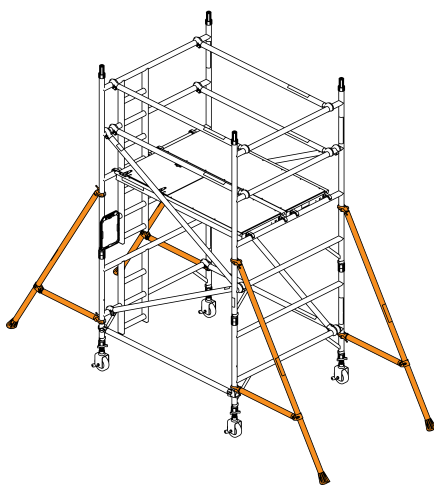


Climb the ladder from the protected trapdoor position, fit the horizontal braces on the 5th and 6th rungs (in that order) on both sides of the platform.

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.

Do not climb on the platform until all guardrails are in place.

6 Fit four stabilisers as shown (see notes on page 12).

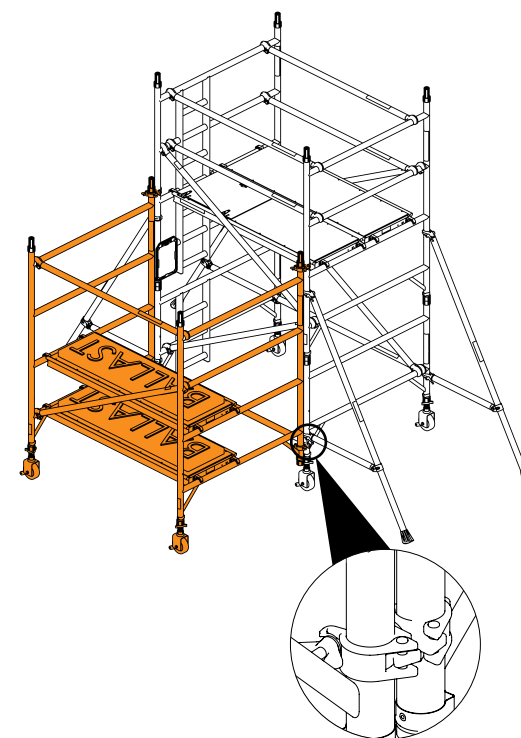


2 Building the Tower

7 Fit two castors with adjustable legs to the outer tubes of two 4 rung span frames and link them to the tower structure using four swivel couplers. The couplers should be fitted below the 1st and above the 4th rungs of the tower structure. Fit one horizontal brace followed by one diagonal brace, as shown. Fit fixed platforms to support ballast (see ballast information on page 13).

Note: Ballast weights should be uniformly distributed to a maximum of 275kg per platform.

Adjust the ballast section of the tower so that is level to within 0.6°.



Quantity of Fixed Platforms to Support Ballast

1.8m Long Main Tower with 0.6m Wide Cantilever											
Working Height (m)	3.2	2.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2
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
No. of Fixed Platforms	1	1	1	1	1	2	2	2	2	2	2

2.5m Long Main Tower with 0.6m Wide Cantilever											
Working Height (m)	3.2	2.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2
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
No. of Fixed Platforms	1	1	1	1	2	2	2	2	2	2	2

2 Building the Tower

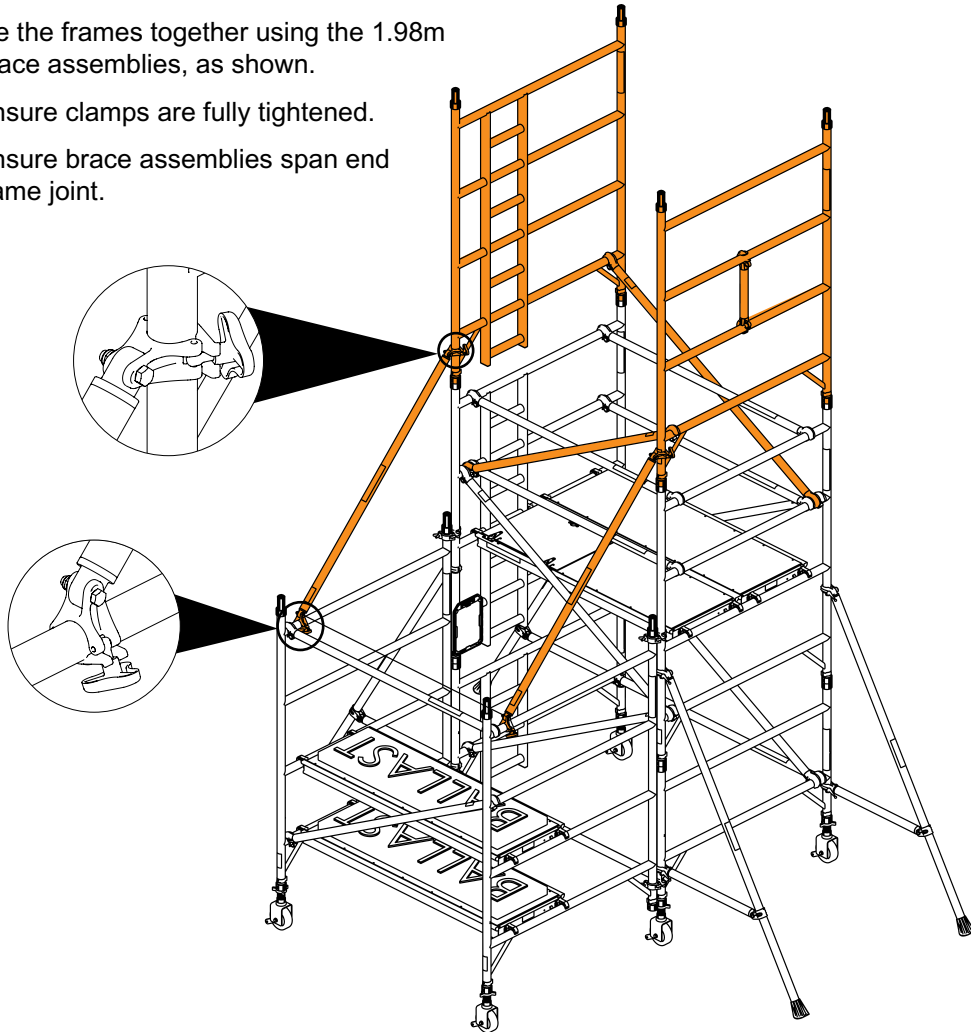
8 Fit the 0.5m vertical brace into a span frame between the 2nd and 3rd crossbars at mid span as shown.

Fit this span frame and the next ladder frame ensuring interlock clips are engaged. Fit two diagonal braces, as shown. Fit two 1.98m brace assemblies.

Tie the frames together using the 1.98m brace assemblies, as shown.

Ensure clamps are fully tightened.

Ensure brace assemblies span end frame joint.



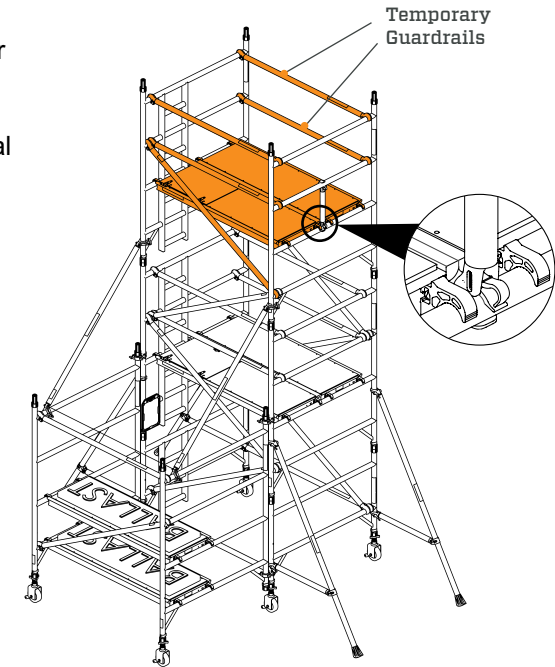
2 Building the Tower

9 Fit the fixed platform and trapdoor platform 2.0m above the previous level, ensuring the platforms are positioned each side of the 0.5m vertical brace as shown. Ensure all platform wind-locks are engaged. Note the orientation of the trapdoor.

Climb up the inside of the tower and from the protected trapdoor position, fit guardrails at 0.5m and 1.0m (in that order) above the platform level. Fit one diagonal brace in position shown.

Ensure trapdoor is directly aligned with inbuilt ladder.

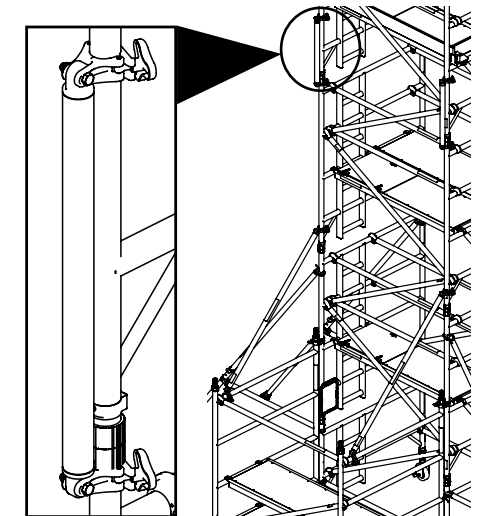
Do not climb on the platform until all guardrails are in place.



When building beyond 4.2m platform height: Before fitting cantilever frames ensure end frame joints on opposite tower face are tied together with the 0.89m braces, as shown.

Ensure clamps are fully tightened.

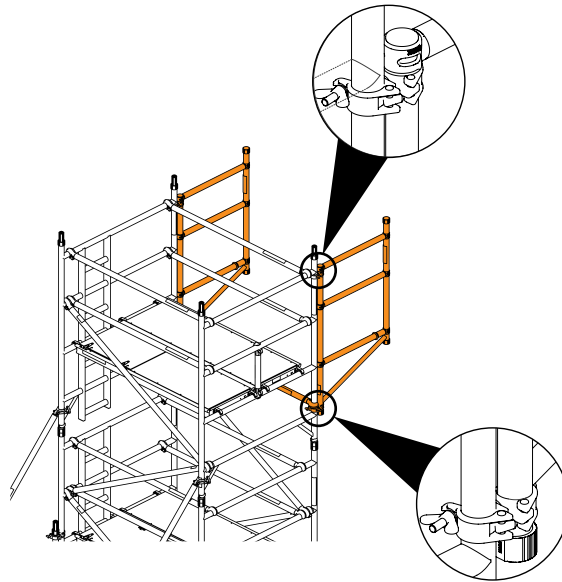
Ensure brace assemblies span the end frame joint.



2 Building the Tower

- 10** Fit two cantilever frames, as shown. Note position of couplers.

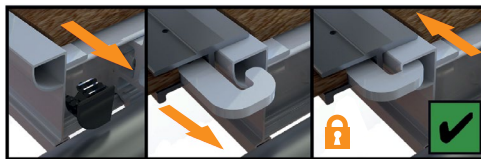
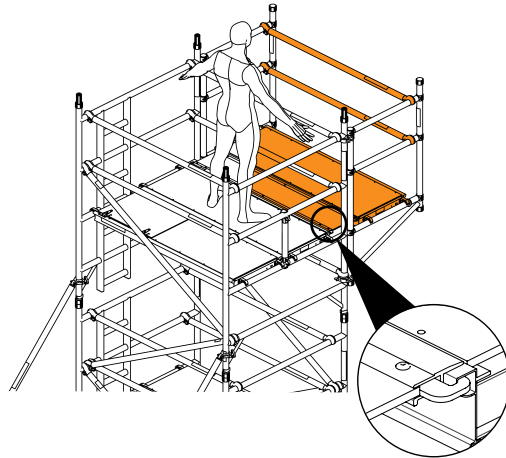
Fit one horizontal brace in position shown. Ensure all claws are positively locked into position. Ensure wing nuts are fully tightened.



- 11** From the protected position within the main tower, fit one fixed platform and infill deck, as shown.

Fit two extra guardrails at the end of the cantilever frames, as shown.

Do not walk out onto the cantilever bay until it is fully assembled and all guardrails are in place.



Remove four end plugs

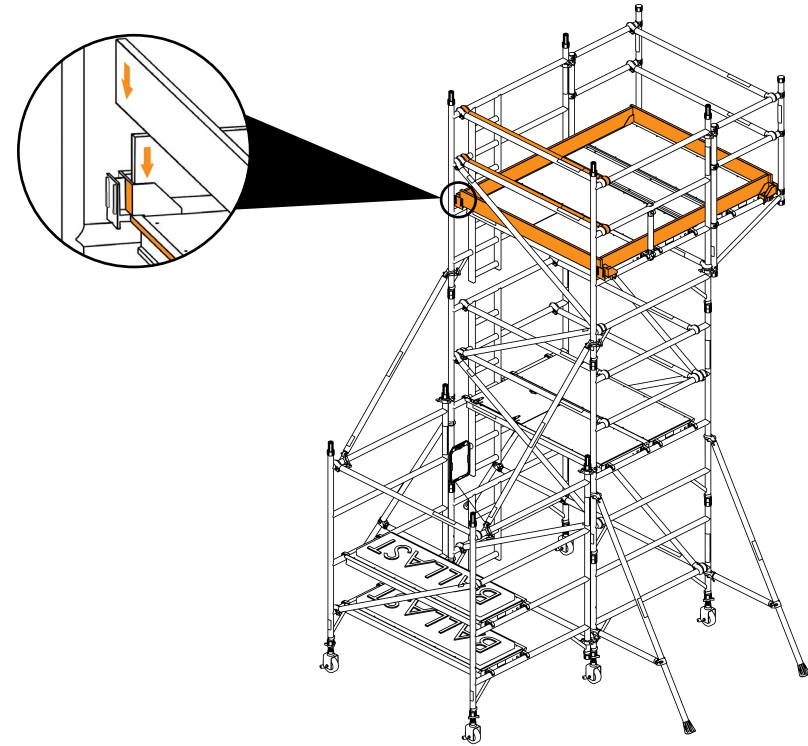
Position infill platform

Engage all wind-locks

2 Building the Tower

- 12** Fit toe board holders and toe boards around edges of top platforms.

Temporary Guardrails to be stored in positions shown.



The tower is now complete.

2.7 Dismantling

To dismantle the tower, reverse the assembly procedure, ensuring that the 3T method is followed.

When removing the guardrails unlock the four claws furthest from the trapdoor and return immediately to the protected position within the trapdoor. The other claws can then be unlocked, and the guardrails removed from the tower.

3 Using the Tower

3.1 Safety Checklist

This inspection must be carried out before initial use, after moving the tower, if any environmental condition change that may affect the tower and at regular intervals determined by local regulations.

Local regulations may also specify other information to be supplied to the user or attached to the structure. These regulations must be followed.

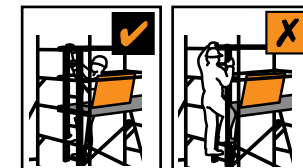
3.2 Pre-Use Checklist

Tower upright and level to within 0.6°	✓
Castor brakes locked and all wheels in ground contact	✓
All interlock clips engaged	✓
Braces/Guardrails correctly positioned	✓
All claws latched	✓
All platform wind-locks engaged	✓
Correct stabiliser size fitted and positioned	✓
Toe boards fitted to working platform	✓
0.89m and 1.98m brace assemblies fitted (when specified)	✓
Infill decks fitted correctly	✓
Ballast fitted as specified	✓
Tower designation information kit fitted	✓
Instruction manual available to user	✓
No environment changes affecting safe use have occurred or are likely	✓
Tower is the correct height for intended use	✓

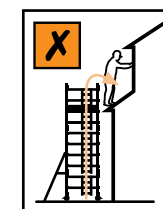
3 Using the Tower

3.3 Use

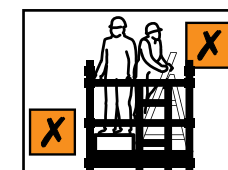
- This tower must not be used as an anchor point for personal fall arrest equipment.
- The tower must only be climbed on the inside, using the access method specified.



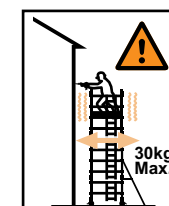
- This tower provides a work platform. It must not be used to access other structures or as a means of edge protection for other structures.



- Raising and lowering tools and materials must only be conducted within the tower footprint.
- Only one platform at a time can be used as a working platform. Toe boards must be fitted to that platform.
- Ensure the safe working load on the structure is not exceeded. The number of people permitted on the tower at any time is limited by the safe working load. See loading information on page 13.
- The adjustable legs are for levelling the tower only. They must not be used to gain extra height.
- Do not use boxes, stepladders or other objects to gain extra height.

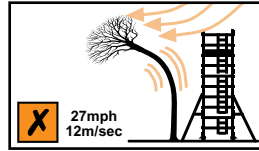


- Beware of horizontal forces that might cause instability. Maximum horizontal force = 30kg.



3 Using the Tower

- Beware of high winds. This tower has been assessed as a freestanding structure for wind loads equating to 27mph (43kph, 12m/s). If greater windspeeds are forecast the tower must be moved to a sheltered location or dismantled while it is still safe to do so. Forecast windspeed must be taken into account if leaving the tower unattended.
- Sheets, tarpaulins, or signage must not be attached to this tower outdoors.



3.4 Movement of the Assembled Prefabricated Tower Scaffold



MOVING A FULLY ASSEMBLED TOWER CAN BE EXTREMELY HAZARDOUS.

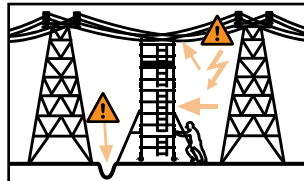
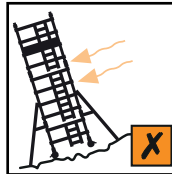
If there is any doubt about the safety of the move, the tower must be dismantled and reassembled in the new location.

This tower is not designed to be lifted or suspended.

Ensure gloves or other suitable hand protection is worn.

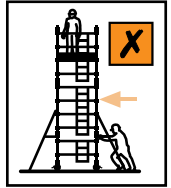
Before

- Beware of rough, sloping ground and high winds. Tower stability is improved by reducing height. Reduce the height of the tower prior to moving in accordance with any applicable and relevant risk assessment, safe system of work or method statement.
- Survey the route to be taken. Assess the ground condition/slope and any overhead obstructions or hazards and wind conditions.
- Ensure there are no persons, tools, or materials on the tower.



3 Using the Tower

- Remove cantilever by reversing assembly steps 12, 11 and 10.
- Remove ballast.
- Release the castor brakes.
- Release the stabiliser top clamp to allow the feet to be raised a maximum of 25mm. Re-tighten the clamps.



During

- The tower must be moved only by manual effort, pushing at the base of the tower.
- The tower should never be moved faster than normal walking speed.
- Constant attention must be given to the position of the castors, stabiliser feet and the top of the tower.
- If there is any resistance to movement, stop and investigate the reason before continuing.

After

As soon as the move is complete; lock the castor brakes, lower the stabiliser feet, fit ballast, fit cantilever and perform the pre-use inspection.

4 Addendum



Werner UK Sales and Distribution Ltd. believes that some of the following may cause confusion or misunderstanding. This should be considered before acting on this information.

Mandatory wording, required to gain certification to BS 1139-6:2022.

This information shall be available at the location of use of the prefabricated tower scaffold.

This prefabricated tower scaffold shall only be used according to this information.

When working outdoors, the weather forecast shall be taken into account before assembly, use and dismantling.

Platforms shall be installed with vertical distances between them not exceeding 2.1m when assembling and dismantling.

Alterations to the prefabricated tower are only permitted where they are shown in these instructions.

User training courses cannot be a substitute for instruction manuals and assembly, use and dismantling plans but can only complement them.

Only the components specified in this information shall be used.

Damaged or incorrect components shall not be used.

Prefabricated tower scaffolds designed in accordance with this standard are not anchor points for personal fall arrest equipment.

Working is only permitted on a platform with a complete side protection including guardrails and toeboards.

In the event that an alteration to the prefabricated tower scaffold design is required, approval from the supplier and/or designer shall be obtained and a revised instruction manual or assembly, user and dismantling plan created.

After assembly or alteration, the following minimum information should be displayed on the prefabricated tower scaffold and be clearly visible from the ground (e.g. on a tag).

- a) The name and contact details of the responsible person.
- b) If the tower is ready for application or not.
- c) The load class and uniformly distributed load.
- d) If the prefabricated scaffold is intended for internal use only.

4 Addendum

- e) The date of assembly.
- f) The maximum number of simultaneous working platforms permitted.
- g) The maximum number of persons permitted on the working platform(s) during use.
- h) The maximum number of persons permitted on the tower during assembly and dismantling.
- i) The maximum number of persons permitted on any one platform.
- j) The maximum safe working load on the working platform.
- k) The maximum safe working load on the prefabricated tower scaffold.
- l) The load class of the prefabricated tower scaffold.
- m) The maximum horizontal force permitted at the working platform(s).
- n) The maximum wind limits for working on the prefabricated tower scaffold.
- o) The maximum wind limits for the prefabricated tower scaffold.

Mandatory information, required to gain certification to BS 1139-6:2022.

When moving the tower:

- Maximum windspeed = 0mph
- Maximum slope = 0°
- Maximum platform height = 2.2m

Explanatory Note

This tower may be moved when a wind is blowing, when there is a slope and with platform heights greater than 2.2m, but many factors contribute to safe movement. It is not possible to give maximum figures that apply in all circumstances. See section 3.4 above. A task risk assessment should be made.

When working on the tower:

- Maximum windspeed = 0mph

Explanatory Note

It is possible to work on the tower at windspeeds greater than 0mph. The safe working windspeed will depend on the work being undertaken. A task risk assessment should be made.



For further information and support for the Side Cantilever or any other products, design advice and services, please contact:

Werner UK Sales & Distribution Ltd.
Blackwater Trading Estate,
The Causeway, Maldon,
Essex, CM9 4LJ,
United Kingdom

WernerCo Hungary Kft.
6000 Kecskemét,
Szt. Istvan Krt. 19.

☎ +44 (0)1621 745900

✉ uk.customer@wernerco.com

🌐 bossacesstowers.com

Werner UK Sales & Distribution Ltd.
is a manufacturer member of:

