



Mobile Aluminum
Double Width Scaffolding
(DWS 3.8M) User Guide

Scaffolding
System

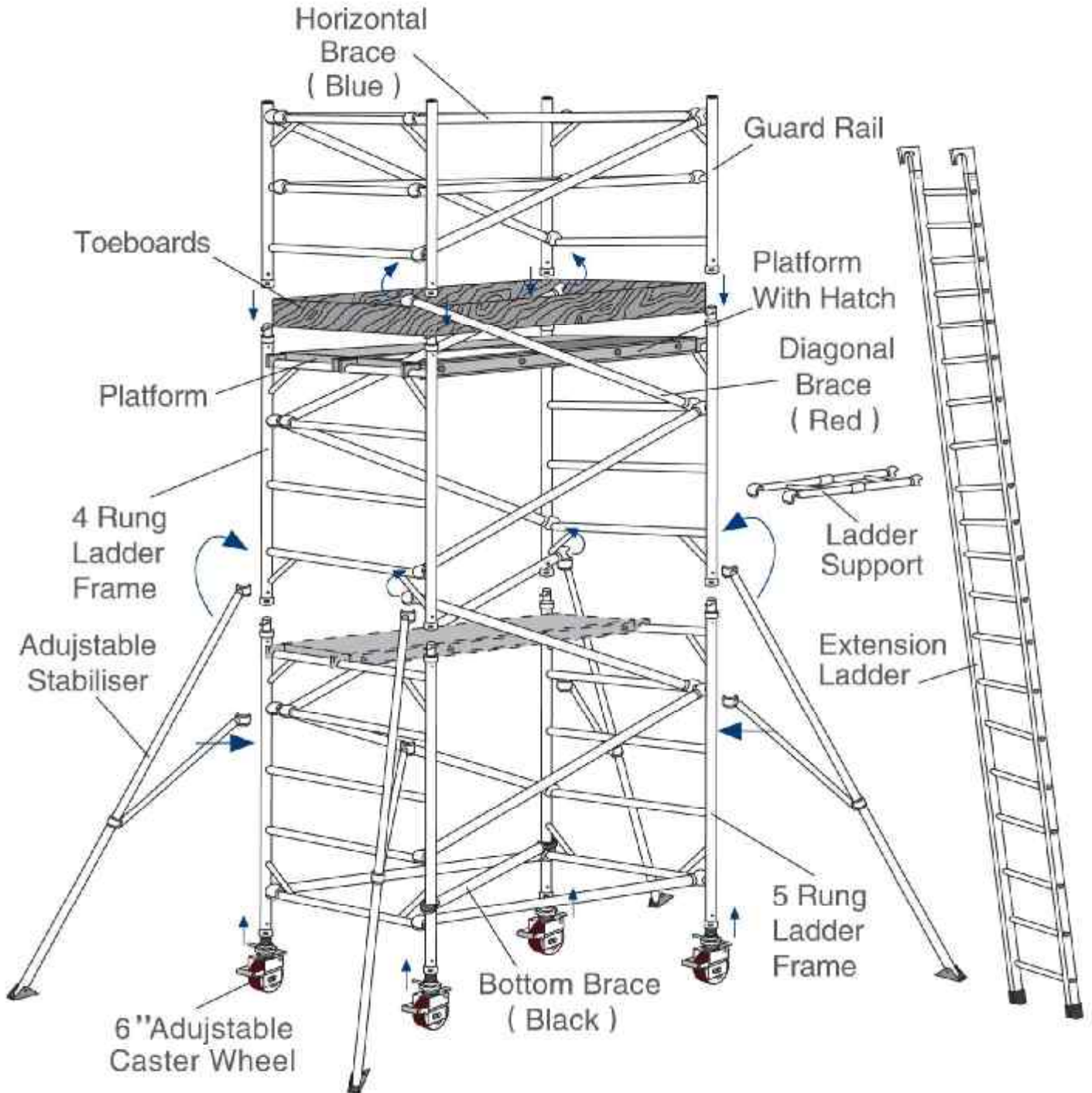


3T - THROUGH THE TRAPDOOR
METHOD

August 2010

Components of Double Width Scaffolding

Quantity Schedule of Double Width Scaffolding refer to page 13.



Usage Advice

Erection

- Under no circumstances must safety harnesses be attached to these scaffoldings during erecting or dismantling.
- Check that all components are on site and that they are functioning correctly – See Quantity Schedule of Double Width Scaffolding.
- Check if the ground on which the mobile access scaffolding is to be erected and moved is fairly level, even and capable of supporting the scaffolding.
- The quantity of platforms restricts the safe working load of scaffold. Per platform unit of the safe load is 275kg, uniformly distributed up to a maximum of 720kg per scaffolding (including self-weight) as the height of 3.8m. The maximum entire capacity load is 720kg above the height of 5.0m (including 5.0m). Overload is unallowed.

Stabilisers

- Stabilisers should always be fitted when specified. The ground for laying scaffolding must be of solid materials (i.e. not water or loose sand) and should not be positioned to overload individual legs.
- Adjustable stabilisers should only be used for levelling.

Movement

- The scaffolding should only be moved by manual effort, and only from the base.
- When moving scaffolding, beware of any overhead obstructions including live electrical apparatus, overhead cables or moving parts of machinery.
- No personnel or materials should be on the scaffolding during movement.
- Caution should be exercised when wheeling a scaffolding over rough, uneven or sloping ground, taking care to unlock and lock castors. If stabilisers are fitted, they should only be lifted sufficiently above the ground to clear ground obstructions.
- The height of the scaffolding, when being moved, should not exceed 4.0m platform height.

Usage Advice

During Use

- Beware of high winds in exposed, gusty or medium breeze conditions. We recommend that in wind speeds over 7.7 metres per second (17 m.p.h.), cease working on the scaffolding. If the wind becomes a strong breeze, expected to reach 11.3 metres per second (25 m.p.h.), tie the scaffolding to a rigid structure. If the wind is likely to reach gale force, over 18 metres per second (40 m.p.h.), the scaffolding should be dismantled.

BEAUFORT WIND SCALE			
FORCE	WIND DESCRIPTION	SPEED IN MPH	GENERAL EFFECT
4	Moderate	13–18	Small branches move. Dust, leaves & paper raised.
5	Fresh Breeze	19–24	Small trees sway.
6	Strong Breeze	25–31	Small branches move. Telephone wires whistle.
7	Moderate Gale	32–38	Large trees sway. Walking becomes difficult.
8	Gale Force	39–46	Twigs & small branches broken from trees. Walking is difficult.

Beware of open ended buildings which can cause funneling effect.

- Debris netting or plastic sheeting should not be fixed to the scaffolding without consulting your local branch.
- Do not abuse equipment. Damaged or incorrect components should never be used.
- Raising and lowering components, tools, and/or materials by rope should be conducted within the scaffolding base. Ensure that the safe working load of the supporting decks and the scaffolding structure is not exceeded.
- The assembled scaffolding is a working platform and should not be used as a means of access to other structures.
- Beware of horizontal forces (e.g. power tools) which could generate instability. Maximum horizontal force 20kg.
- Mobile scaffolding are not designed to be suspended – please refer to your supplier for advice.

Assembly and Dismantling Procedures

Assembly Principles

The 3T Method (Illustrated in this guide)

WHEN BUILDING A SCAFFOLDING:

- To comply with the Work at Height Regulations, we show assembly procedures with platforms every 2 metres in height, and, the locating of guardrails in advance of climbing onto a platform to reduce the risk of a fall.
- All platforms feature double guardrails on both faces of either individual platforms or fully decked levels.
- All guardrails should be 1 and 2 rungs (0.5m and 1.0m) above platforms.
- Never stand on an unguarded platform.

Dismantling Principles

TO DISMANTLE A SCAFFOLDING:

- Remove toeboards, and pass down the scaffolding.
- Unclip farthest end of braces and immediately go to protected trapdoor position on ladder to complete removal.
- Remove upper platforms from protected platform levels below.
- Pass removed components out of the scaffolding to a colleague.

Maintenance

- All components and their parts should be regularly inspected to identify damage, particularly to welds. Lost or broken parts should be replaced, and any tubing with indentations greater than 5mm should be put to one side for manufacture repair.
- Adjustable wheel threads should be cleaned and lightly lubricated to keep them free running.

Check List

- Inspect components prior to erection
- 'Inspection of Scaffolding' report prior to use
- Scaffolding upright and level
- Wheels locked correctly adjusted
- Guardrails fitted
- Diagonal braces, horizontal braces and bottom brace fitted
- Stabilisers fitted as specified
- Platforms located and windlocks on
- Toeboards located

Refer to this check list before using each time.

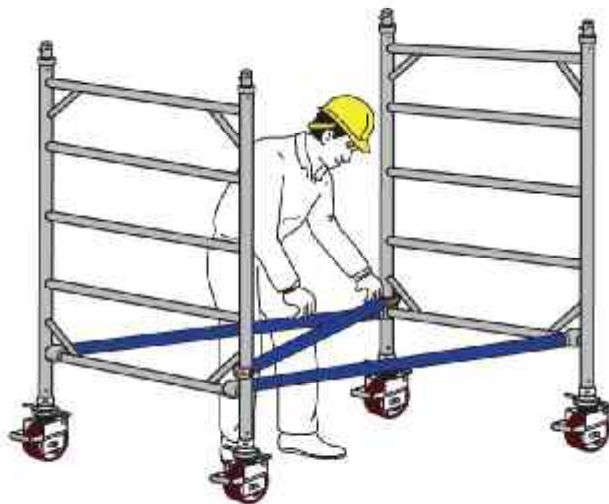
Assembly Procedure (DWS 3.8M)

We recommend two persons are used to build scaffoldings. Above 4m height it is essential that at least two persons are used. Only climb the scaffolding from the inside.

- 1 Push adjustable caster wheels into 5 rung ladder frame, and tighten it, then inspect the locking situation of the wheel. Use this way to erect the frame.



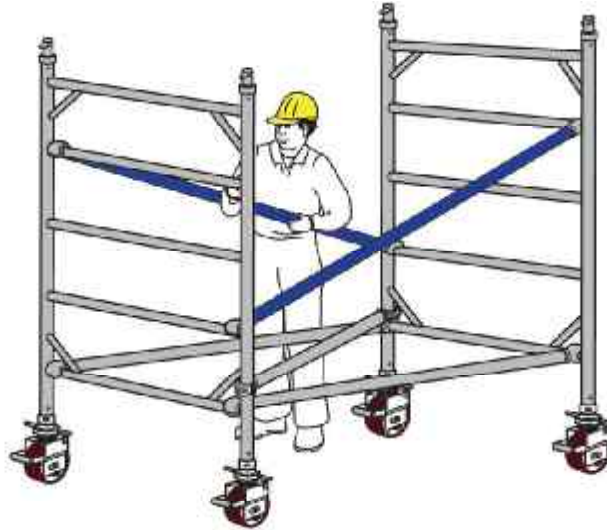
- 2 Position ladder frame as shown. Lay it on the flat surface vertically, then lock four wheels, also clip other end of horizontal braces and bottom brace onto frame rung to square the scaffolding.



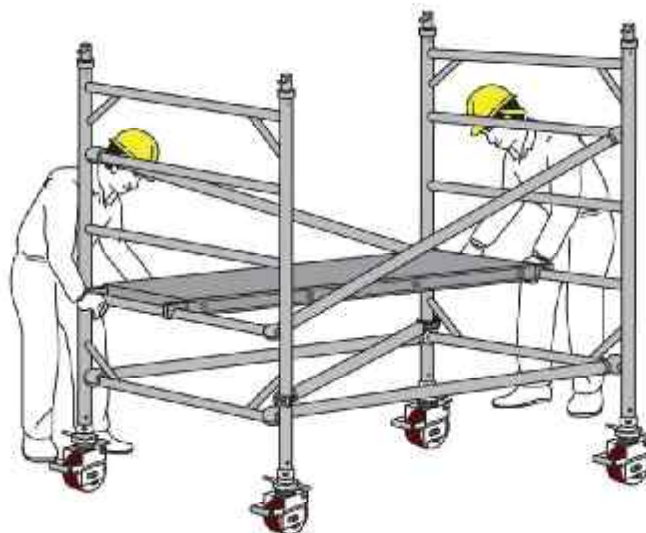
Note: All locking graspers should be primed before use, and released for dismantling or relocation.

Assembly Procedure (DWS 3.8M)

- 3 Clip on diagonals (Red) onto second rungs in opposing directions. Ensure lock them entirely. Frame will now be self-supporting.

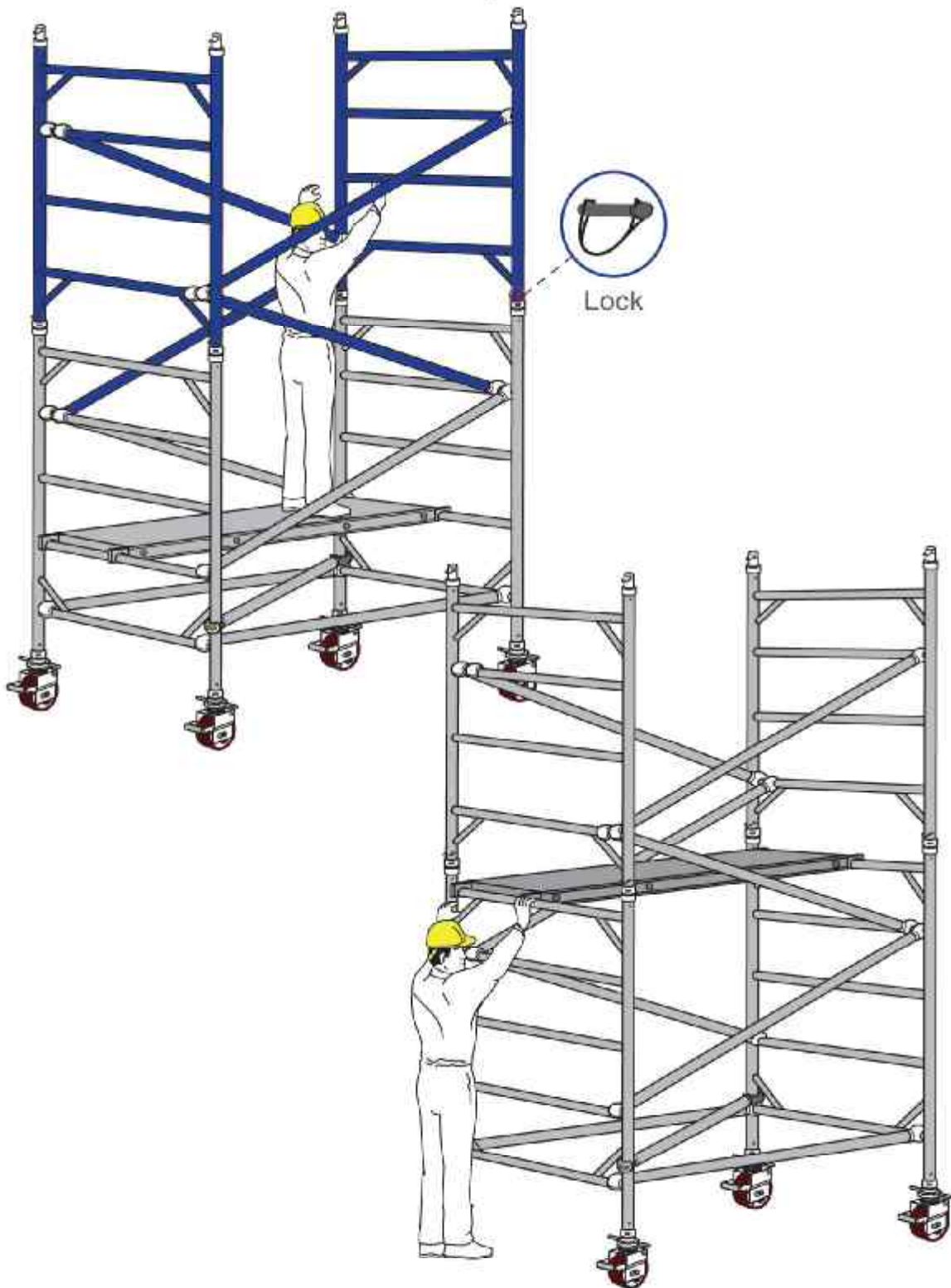


- 4 Locate the platform on 2th rung (1.0m) of 5 rung ladder frame. Ensure scaffolding is correctly aligned by using a spirit level.



Assembly Procedure (DWS 3.8M)

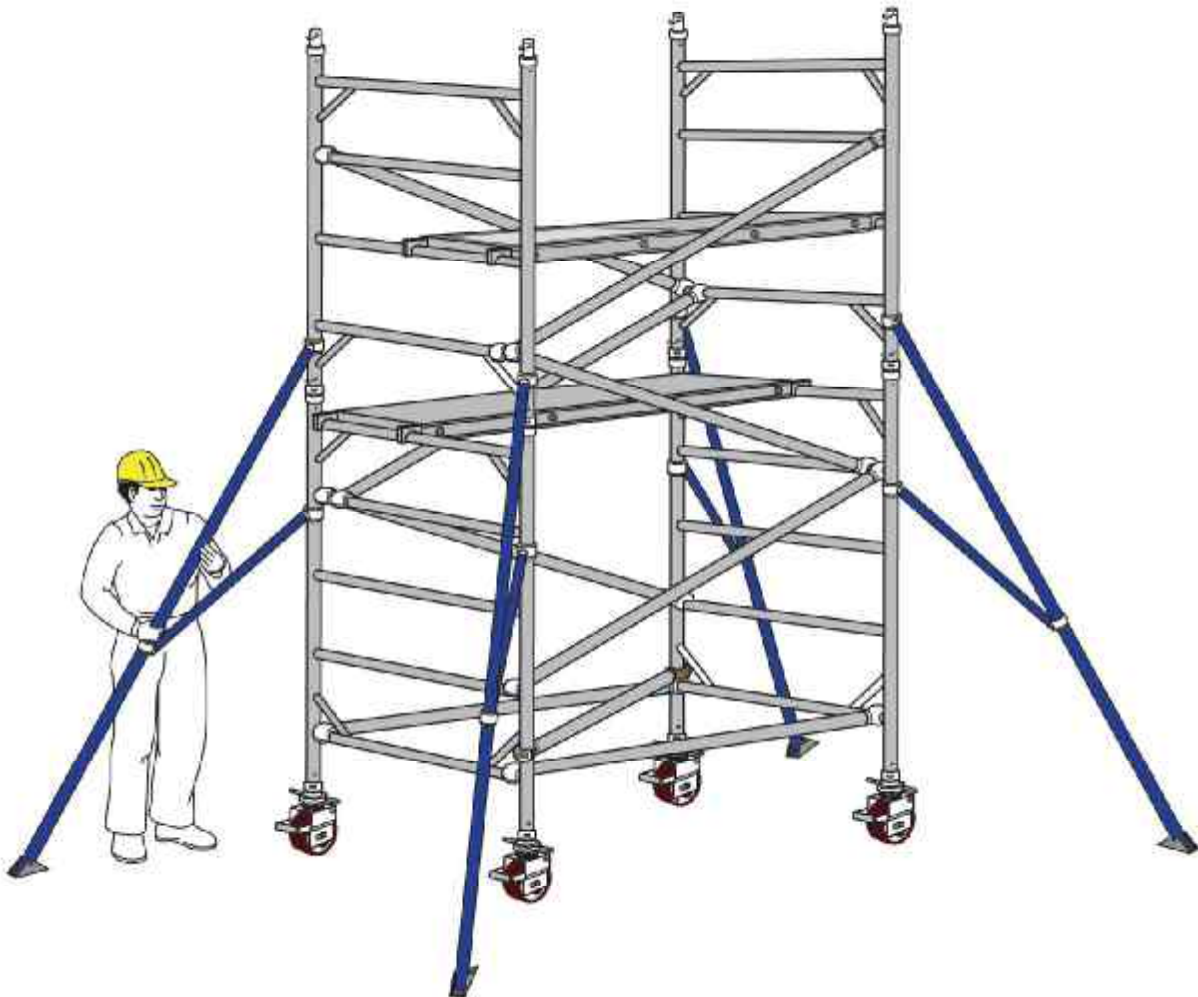
- 5 Locate next diagonal braces. Add next lift of 4 rung ladder frames and lock them. You must stand on the platform fixed.



- 6 Locate the platform on 5th rung (about 2.0m) of 5 rung ladder frames.

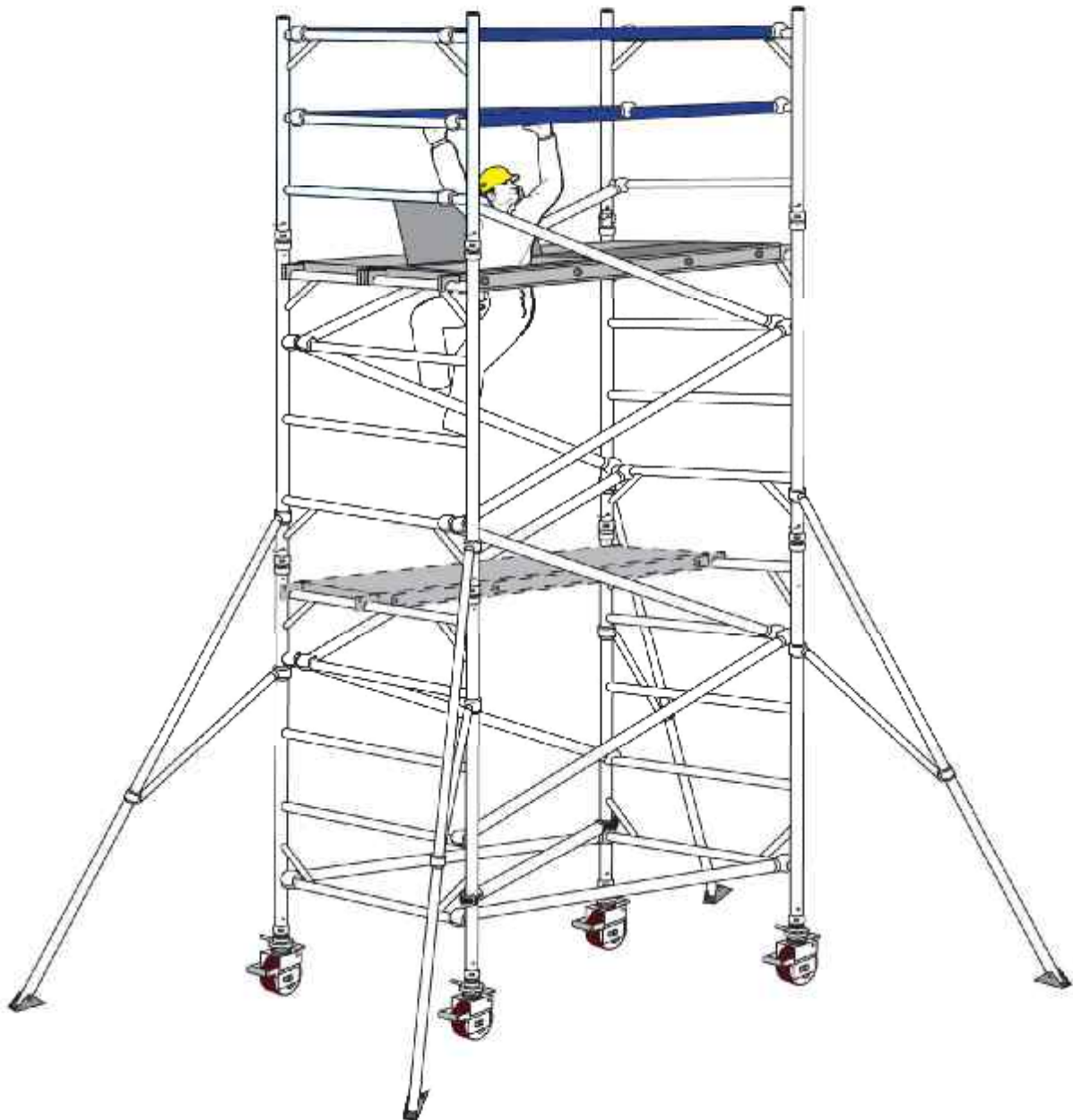
Assembly Procedure (DWS 3.8M)

- 7 Add platform with hatch. Locate the platform on 2th rung of 4 rung ladder frames and lock them. Altering the adjustable stabilisers. Climb ladder from a protected trapdoor position, the operator must stand on the center of the platform in order to keep balance.



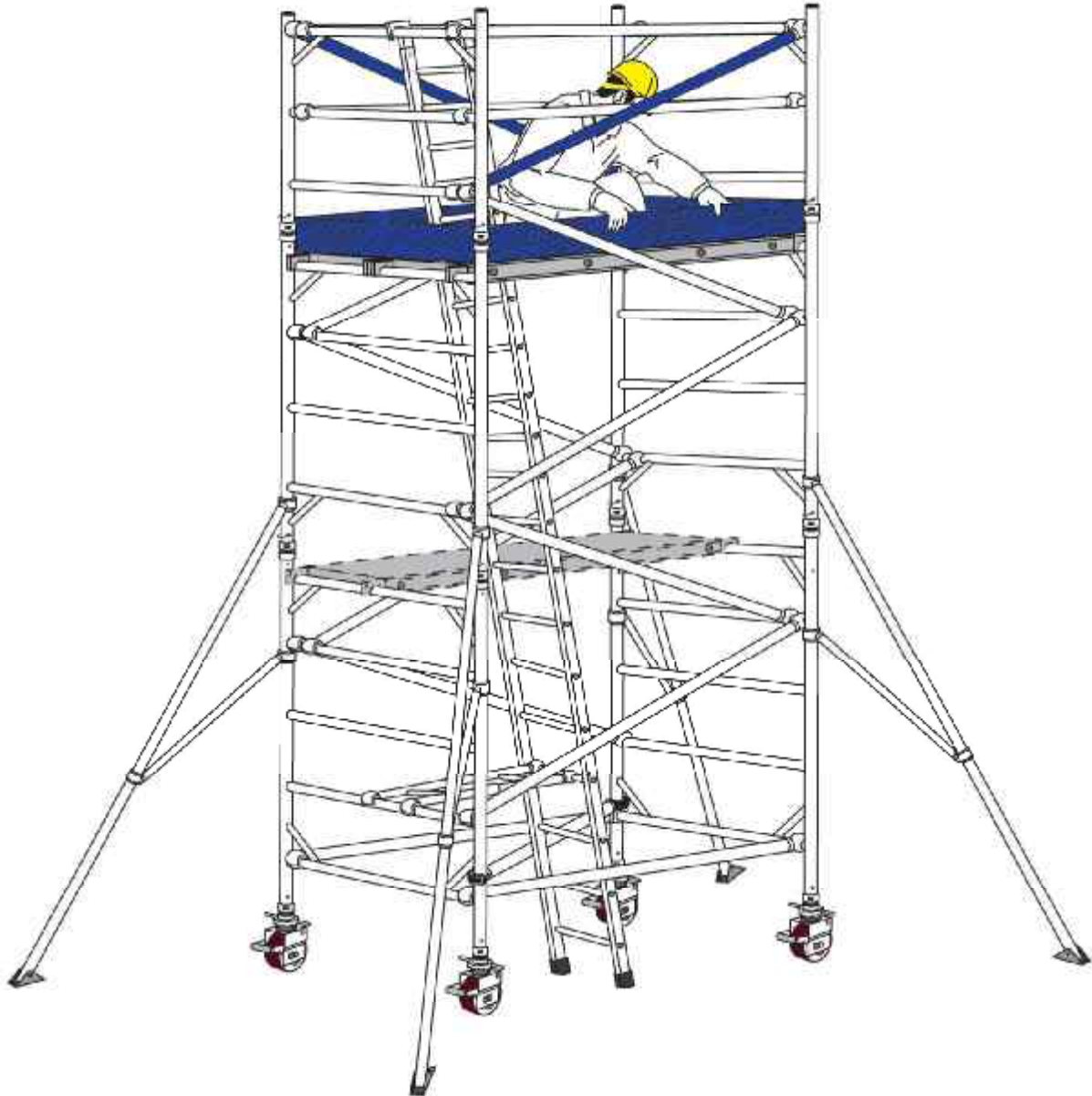
Assembly Procedure (DWS 3.8M)

- 8** Erect guardrails and horizontal braces. Guardrails should be 0.5m and 1.0m (1 and 2 rungs) above platform in all cases. Then move all platforms onto the top rung of 4 rung ladder frames. Now required working height(3.8m) is reached, then the following results as shown.
Do not climb onto the platform until fully guardrailed.



Assembly Procedure (DWS 3.8M)

- 9 Add last diagonal braces. Fit toeboards to all working platforms. Then put the 6m extension ladder go through the hatch of the platform and hang over the guard rail, add the ladder supporter onto the 2th rung of 5 rung ladder frame, as the diagram below. The scaffolding is now complete.



Quantity Schedule–Double Width Scaffolding

Quantity Schedule – Scaffolding (DWS) : Available in 2 height

No.	Description	Platform Height Total Height	3.8m 4.89m	5.0m 6.09m	Note
1	2110*1250mm 5 Rung Ladder Frame		2	2	
2	1710*1250mm 4 Rung Ladder Frame		2	2	
3	1310*1250mm 3 Rung Ladder Frame			2	
4	2500*540mm Platform With Hatch		1	1	
5	2500*540mm Platform		1	1	
6	1250*1000mm Guard Rail		2	2	
7	2620mm Diagonal Brace (Red)		10	12	Welding
8	2500mm Horizontal Brace (Blue)		6	6	Welding
9	2791mm Bottom Brace (Black)		1	1	Welding
10	2500*1530mm Stabiliser		4	4	
11	6''/8'' Adujstable Caster Wheel		4	4	
12	2500*1080mm Toeboards		1	1	
13	6m Extension Ladder and Supporter		1	1	

Note:Product images only for reference purposes,so please see the subject produce.