



Self Erecting Tower

This tower can be fully erected in seconds from its flat pack stowed position offering a stable work platform. The unit is easy to erect, manoeuvre and transport



Code 80B10

LOWERING UNIT

Lowering the unit is the complete **reverse of erection**. **Before lowering** the unit ensure that all **castors are locked**.

Locking elbow hinges have to be **released** at each stage to lower the unit. To release elbow hinge, squeeze in trigger and push elbow to make it hinge.

Ensure the **hinge is just disengaged**, do not fold the section completely unless the **platform weight is supported**.

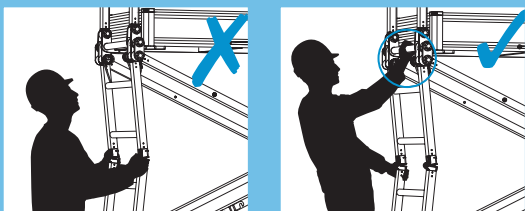
To release the **secondary safety lock** on the 'access' section of the Self Erecting Tower **lift the locking bar** up before depressing the red trigger, then open the hinge.

Lower platform slowly and with care.

Re-engage the transit deck lock lever.

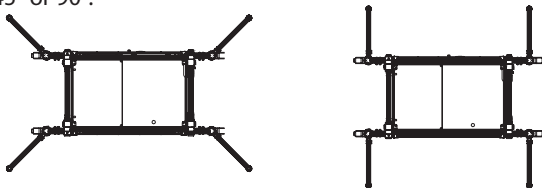
Fold down the hand rails and stow the outriggers, ensuring that the variable height adjusters are engaged to hold them in position.

MUST ENSURE THAT WEIGHT OF PLATFORM IS SUPPORTED WITH ONE HAND BEFORE FOLDING THE FRAME. KEEP HEAD AND CHEST CLEAR OF PLATFORM AS IT DESCENDS.



OUTRIGGER POSITIONING

If placing your Self Erecting Tower in the middle of a work area you are advised to deploy the outriggers at either 45° or 90°.



If positioning Self Erecting Tower against a wall the 2 outriggers closest the wall will not require deploying, as long as the wall offers adequate protection against overturning. Against low walls the outriggers should be deployed at either 45° or 90°



SAFETY CHECKLIST

FUNCTIONALITY CHECKS

- ☐ SECURITY AND FUNCTIONALITY OF CASTORS AND BRAKES.
- ☐ FUNCTION AND SECURE LOCKING OF ALL ELBOW JOINTS AND TRIGGERS.
- ☐ FUNCTION AND OPERATION OF THE OUTRIGGERS INCLUDING SELF-LOCKING PLUNGER. ENSURE ALL PRESET INCREMENTS CAN BE ENGAGED AND FULLY LOCK.
- ☐ FUNCTION AND OPERATION OF THE TRANSIT LOCK LEVER.
- ☐ FUNCTION AND OPERATION OF THE HAND RAIL SYSTEM.
- ☐ FUNCTION AND OPERATION OF THE SPRUNG END TOE BOARDS.
- ☐ FUNCTION AND OPERATION OF THE SECONDARY LOCK ON THE ACCESS SECTION OF THE RAZOR DECK.
- ☐ FUNCTION AND OPERATION OF THE HINGED ACCESS TRAPDOOR.
- ☐ ENSURE THE GATE LOCKING CATCH MECHANISM IS FUNCTIONAL AND SELF-LOCKING.

VISUAL CHECKS

- ☐ ALL ALUMINIUM SECTIONS AND SUB ASSEMBLIES FOR FATIGUE OR DAMAGE.
- ☐ INSPECT ALL WELDED PARTS FOR ANY SIGNS OF DAMAGE OR FATIGUE.
- ☐ INSPECT EXTERNAL SPRING SET FOR SIGNS OF FATIGUE OR DAMAGE.
- ☐ INSPECT ALL WELDS FOR SIGNS OF FATIGUE OR DAMAGE.
- ☐ INSPECT THE FLEXIBLE HANDRAIL CABLES FOR FATIGUE AND DAMAGE, ENSURE THE EYELETS ARE SECURED TO THE HANDRAIL UPRIGHTS.
- ☐ INSPECT THE DECK BOARDS FOR SPLITTING, CRACKS OR DELAMINATING.
- ☐ INSPECT ALL TOE BOARDS FOR FATIGUE OR DAMAGE.
- ☐ INSPECT ALL VISIBLE NUT AND BOLT FIXINGS.
- ☐ ENSURE ALL RUBBER FEET BUNGS ARE PRESENT WITHIN THE ADJUSTABLE SECTIONS OF THE OUTRIGGERS.
- ☐ ENSURE ALL THE WARNING AND INSTRUCTION LABELS ARE PRESENT AND CLEARLY LEGIBLE.

EQUIPMENT CARE

Never push the equipment beyond its design limits. If it will not do what you want with reasonable ease and speed, assume you have the wrong tool for the job. Contact your local HSS Hire for advice.

Keep the equipment clean, you will find this less of a chore if you clean it regularly, rather than wait until the end of the hire period.

When not in use, **store the equipment somewhere clean, dry and safe** from thieves and unauthorised users.

FINISHING OFF

Gently Lowering the unit reversing in strict order the erection instruction.

Collect all parts together and give them a final clean up ready for return, to your local HSS Hire.



... have you been trained

The law requires that personnel using work equipment have received adequate training and must be competent when using the equipment within the workplace.
Training is available at HSS Training Solutions
0845 766 7799

...any comments?

If you have any suggestions to enable us to improve the information within this guide please e-mail your comments or write to the Safety Guide Manager at the address below
e-mail: safety@hss.com

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Web Site: <http://www.hss.com>

GENERAL SAFETY

For advice on the safety and suitability of this equipment contact your local HSS Hire.

There is a serious risk of personal injury if you do not follow all instructions laid down in this guide.

The hirer has a responsibility to ensure that all necessary risk assessments have been completed prior to the use of this equipment.

This equipment should only be used by an operator who has been deemed competent to do so by his/her employer.

This equipment is designed to be used by an able bodied, competent adult who has read and understood these instructions. Anyone with either a temporary or permanent disability should seek expert advice before using it.

Keep children, animals and bystanders away from the work area. Cordon off a NO GO area using cones and either barriers or tape, available for hire from your local HSS Hire.

Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.

Wear practical, protective clothing, gloves, footwear and a protective hard hat. Avoid loose garments and jewellery that could catch in moving parts, tie back long hair.

Make sure you are aware of all safety requirements and that this equipment is suitable for the task you wish to undertake.

Ensure that the Self Erecting Tower is thoroughly inspected before use. If any of the components are damaged DO NOT use this equipment and return it to your local HSS Hire.

Only gain access to the platform using the described methods as mentioned within this manual and on the unit. Only use this equipment if you are comfortable with working at height.

Never exceed the equipment's working load limit of 150kg.

If required to manually lift please note the unit weights 82 Kg. Check the ground on which the equipment is to be erected and moved is capable of supporting the Self Erecting Tower. Do not use on soft or uneven surfaces. Ensure the

ground upon which the Self Erecting Tower is to be used is capable of withstanding the combined weight of the unit and any additional loading.

The platform should be used by one person only.

Always beware of live electrical apparatus, cables and moving parts of machinery around the work area

Make sure that everyone in the immediate work area is warned of what you are doing.

Ensure the work area is kept tidy and observe other people within the environment

Do not leave the Self Erecting Tower unattended.

Always inspect the Self Erecting Tower after moving it and before use.

Do not use hoisting apparatus on Self Erecting Tower.

Safety Warning

Gaining additional height e.g. steps or trestles MUST NOT be used on the Self Erecting Tower.

DO NOT stand on guard wires, toeboards or the handrail.

Ensure your centre of gravity remains within the Self Erecting Tower. DO NOT OVERREACH

Never bridge between Self Erecting Tower and another building or structure.

Care should be taken when using power tools, wash jets or other tools that cause lateral force. The maximum lateral force on Self Erecting Tower at platform level is 45kg.

To move the unit over great distance (aprx. more than 50 metres) or uneven ground, fully lower it before moving. Consider any restrictions/limitations along the route.

DO NOT use in adverse weather conditions. If the wind is greater than BEAUFORT SCALE 6 do not use the equipment (see chart).

Scale	Knots	mph	Description
0	0	0mph	Calm
1	1-3	1-3mph	Light air
2	4-6	4-7mph	Light breeze
3	7-10	8-12mph	Gentle breeze
4	11-16	13-18mph	Moderate wind
5	17-21	19-24mph	Fresh wind
6	22-27	25-31mph	Strong wind
7	28-33	32-38mph	Very strong wind
8	34-40	39-46mph	Gale
9	41-47	47-54mph	Severe gale
10	48-55	55-63mph	Storm
11	56-63	64-72mph	Severe storm
12	63	73mph	Hurricane force

GETTING STARTED

Prior to use inspect the Self Erecting Tower (see Safety Checklist). Make sure all the parts are complete and ready to use.

Wheel the equipment to working place and erect as instructed.

If positioning against a wall ensure that it would offer adequate protection against the Self Erecting Tower overturning. If positioning Self Erecting Tower against small walls ensure that outriggers are deployed (see Outrigger Positioning).

Self Erecting Tower can be moved manually, by pushing from the base.

Ensure that the unit is unmanned and free of equipment and that brake locks are off prior to movement. Beware of soft or uneven ground and overhead obstructions.

Before moving equipment ensure the ground along the intended route is clear of any obstacles. Consider any size limitations/restrictions along the route at both ground

level and at the fully extended height (3 metres).

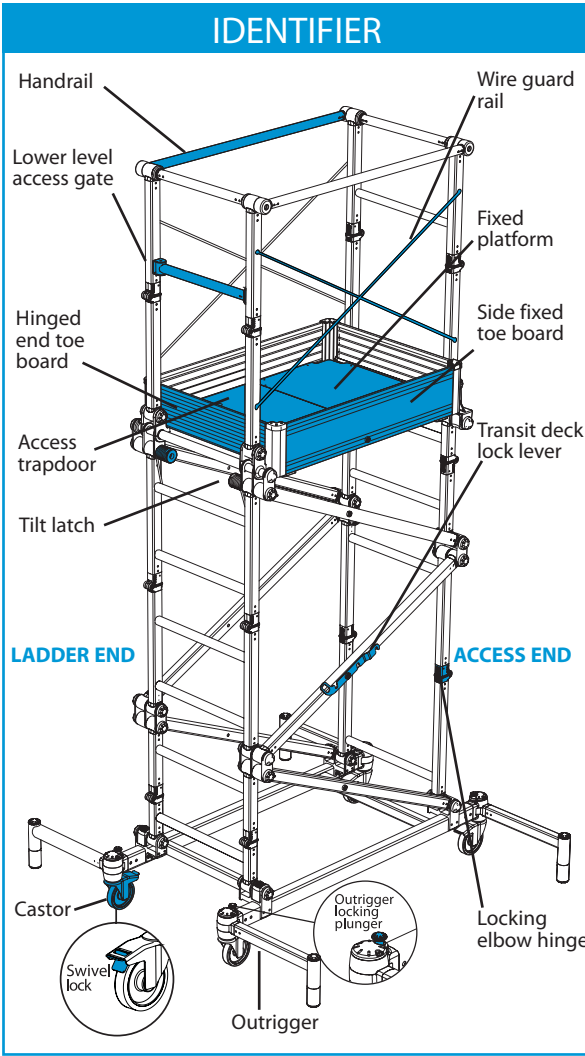
Ensure the ground is level and suitable to transit the equipment.

If lifting the Self Erecting Tower ensure that the unit is lifted from the lifting points labelled on the unit.

When lifting the Self Erecting Tower, ensure the transit lock is in the locked position and all brakes on the castors are applied.

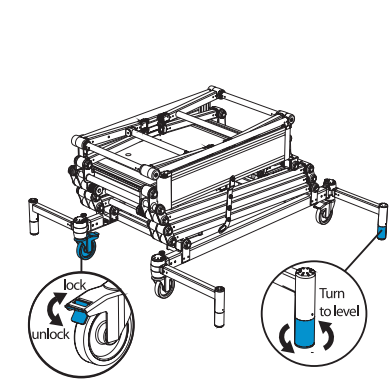
If moving or lifting the unit to another location follow the steps:

1. Clear platform of all tools, materials and personnel.
2. Raise 4x outriggers, locking them approximately 25 mm from ground.
3. Release 4x castor brakes.
4. Carefully move tower.
5. Once in position – lock castors, reset outriggers and continue to work.



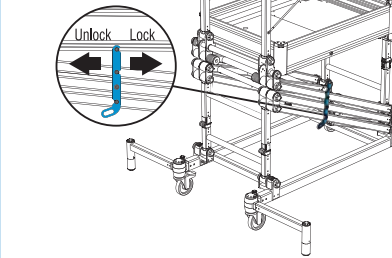
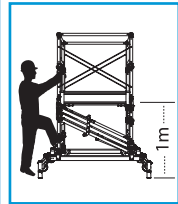
1. Wheel unit into position where work is to be done. Lock wheels and deploy outriggers (by removing outrigger locking plunger) into designated locking position. Reinsert outrigger locking plunger to hold assembly in position.

Adjust outrigger variable height adjuster to ensure maximum contact with ground.



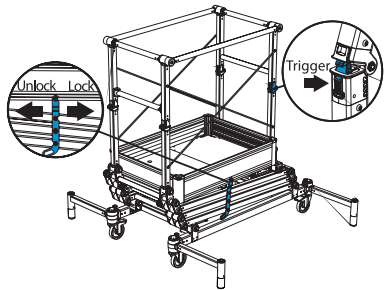
4. Move to 'ladder end' and lift yellow bar to open into locked elbow hinge position. Platform is now level.

Lock the transit deck lock lever. Climb integral ladder from the outside and access through lower level access gate. Lock gate immediately once on platform.



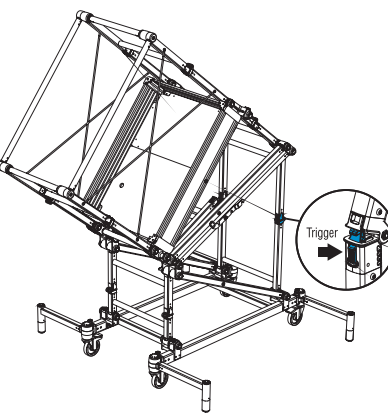
2. Ensure transit deck lock lever is locked. Lift and pull 2 locking elbow hinges of handrail set off the platform towards you at 'access' end until securely locked in place. Repeat at the other end to form a complete sturdy handrail.

If required to use at current height check that transit deck lock lever is locked. Access platform through lower level access gate by unlocking and opening access gate lock mechanism. Lock gate immediately once on platform. Note that hinged toe board folds down to allow for easy access.

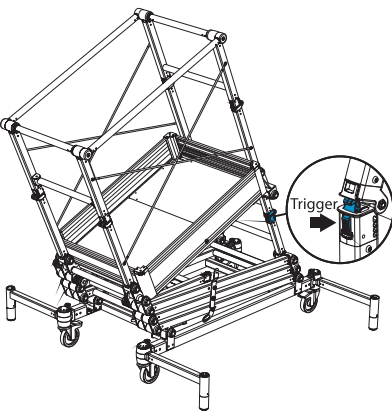


5. For further erection release transit deck lock lever.

At 'access end' raise bar to open into locked elbow hinge position. Move to 'ladder end' and unlock tilt latch. Press and hold lock in position during start of lifting sequence. At 'ladder end' lift yellow bar to open into locked elbow position.



3. For erecting to higher level release transit deck lock lever. Standing at 'access' end lift first bar located below platform to open into locked elbow hinge position. Platform is now at an angle.



6. Make sure ladder is vertical and all hinged elbow locks are engaged.

The Self Erecting Tower is fitted with an additional lock on the access section joint for safety. This lock will self latch during assembly.

Move back to 'access' to climb inside tower structure. Mount integral ladder and enter platform through access trap door by lifting it. Close access trap door firmly.

