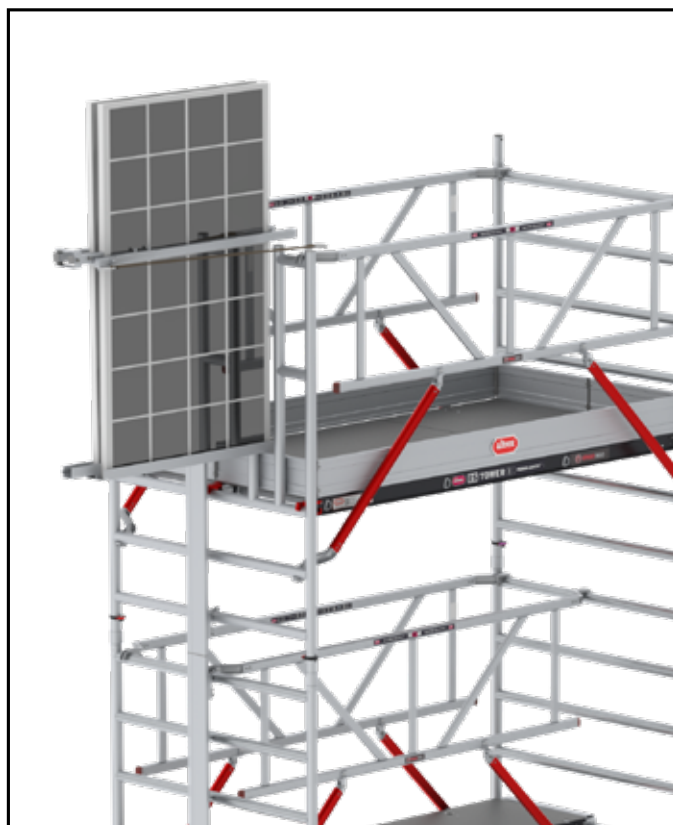




# SHUTTLE

# INDUSTRY SUPPLIES



## 1. Introduction

This manual applies exclusively to the Shuttle as described in this assembly & user manual (hereinafter: 'the manual'). Prior to starting to assemble the Shuttle, you should carefully read this manual. The required tower should be assembled and used in accordance with this manual. All instructions in this manual have to be followed strictly. Not following the instructions contained in this manual can easily result in serious accidents. Altrex cannot be held liable for any loss resulting from the assembly or use of the Shuttle that is not in compliance with the manual. The employer, supervisor and user are responsible for the correct use of the Shuttle in accordance with this manual and they must ensure that this manual is available at all times when work is being carried out using the Shuttle. Additional copies of the manual can be ordered from Altrex. The Shuttle Solar may only be used in combination with the wide Altrex rolling scaffolds from the RS TOWER 52 series. The shuttle carrier may only be used in combination with the Altrex RS TOWER 5 or MiTOWER.

In addition to this manual, use the RS TOWER 5 (760285), RS TOWER 5 with Safe-Quick Guardrail (760284) or MiTOWER (760293) manual to assemble and use the mobile scaffold tower.

Local legislation and regulations might encompass measures in addition to those stated in this manual.

Altrex BV – Mindenstraat 7 – 8028PK Zwolle – Tel.: +31 (0)38 455 7700 – Email: [sales@altrex.com](mailto:sales@altrex.com) – Internet: [www.altrex.com](http://www.altrex.com)

## 2. Safety instructions

To prevent accidents during assembly, disassembly and operation of the Shuttle, the following safety regulations must be strictly adhered to.

1. Always erect the scaffold in accordance with the instructions supplied with the scaffold.
2. Never place loads heavier than 60 kg on the Shuttle solar. Never place loads heavier than 30 kg on the Shuttle Carrier.
3. It is forbidden to hoist people and/or animals using the Shuttle.
4. Check the hoisting strop carefully beforehand to ensure that it is free of tears, frayed edges / holes, deformations or other damage.
5. Replace the hoisting strop every 5 years, even if it still seems completely intact.
6. Always position the scaffolding in combination with the Shuttle on a flat, horizontal and firm surface.
7. Make sure there are no obstacles in the Shuttle's path.
8. Never use the Shuttle at wind speeds greater than 10.7 m/s (max. 5 Beaufort).
9. The maximum platform height for outside use is 8.20 m and 12.20 m for inside use
10. Use a portable drill (powertool) with a minimum (continuous/nominal) power of 600 Watts to operate the winch.
11. Turn the machine counter-clockwise to hoist the load and clockwise to lower it.
12. Never allow objects to protrude outside the Shuttle.  
Pay attention to the following points when using the hoist:
13. The hoisting strop must run flat between winch and console, ensuring that the belt is free of twists.
14. To increase the longevity of the winch, avoid running once the highest hoisting position has been reached.
15. Always use the winch lock to secure the winch.  
Avoid getting crushed and keep your distance:
16. The load you hoist with the Shuttle moves vertically up and down the scaffolding. Avoid getting crushed. Make sure you keep enough distance from the load – also when within the scaffolding.
17. Keep a safe distance from the scaffolding when hoisting a load or when it is in a higher position, ensuring that the load you are hoisting cannot fall out of the carrier.
18. Cordon off the area around the scaffolding if people can walk under the load

## 3. Parts

For an overview of the components, see Appendix A1.

#### 4. Assembling the Shuttle

On first use, slide the couplers (Part K) onto the back of the profiles.

The Shuttle has two versions:

- Shuttle Carrier for transporting small goods with the plastic container upwards.
- Shuttle Solar to transport solar panels upwards.

In the latter case, one Solar end frame is used to easily get the panels onto the work platform.

Even **working height**; Assemble the scaffold according to step A1 in the scaffold tower operating instructions.

Uneven **working height**; Assemble the scaffold according to step A2 in the scaffold tower operating instructions.

1. Mount the basic profile (Part B) level to the mounting frame and secure it firmly with the clamps.
2. If the solar frame (part A) is used as an end frame, the clamps must be mounted at 72.5 cm from the inside of the left stand.
3. Slide the console (Part F / I) over the profile from the top and lower it to the travel stop.

Tip! Mark the position of the clamps after the first time they are mounted on the scaffolding frame so that assembly of the scaffolding in combination with the solar frame will be faster next time.

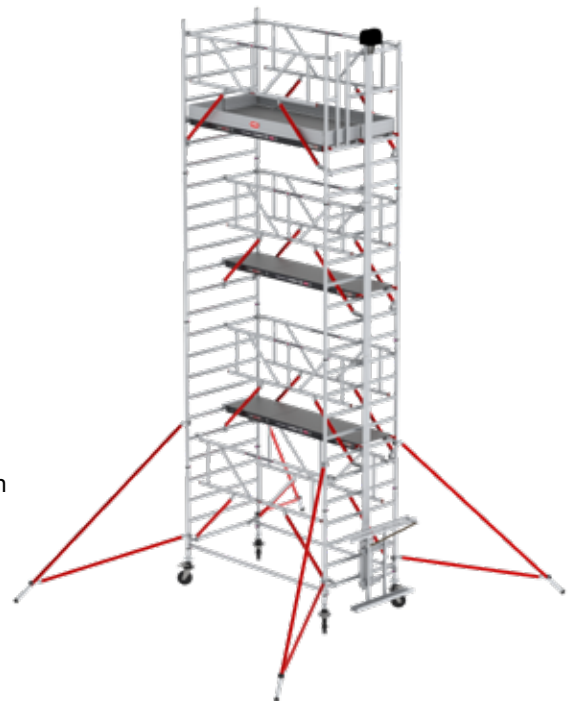
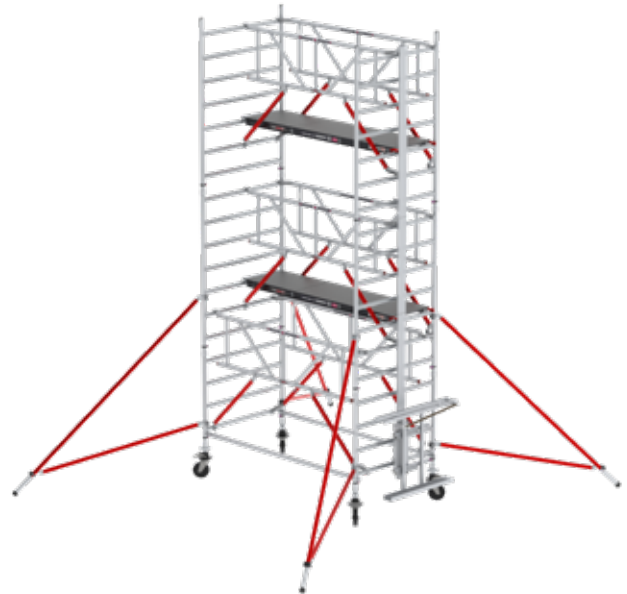
4. Continue assembly of the scaffold as per steps B1/B2 in the scaffold tower operating instructions.
5. After each repetition of step B1/B2 of the scaffolding, assemble the next profile (Part D) and secure it with the clamps.
6. Check that the profiles are placed straight/level above each other.

7. When the working height is reached, place, for using the Shuttle Solar, the solar frame (Part A) on the same side as the guide profile.
8. Mount the last profile (Part D) and secure it with the clamps.
9. Mount the edging board (see step C of the scaffolding manual).
10. Mount the winch on the last guide profile with the clutch and brake plate towards the scaffolding, and tighten it to the profile.

11. Unlock the safety clutch by positioning the locking bar to the left.
12. Lower the hoisting stop with the portable drill (powertool) in combination with socket wrench M10.
13. Attach the lifting eye of the hoisting stop. Make sure that the hoisting stop hangs neatly flat and straight and avoid twists.



EN



## 5. Using the Shuttle

### Hoisting with the Shuttle

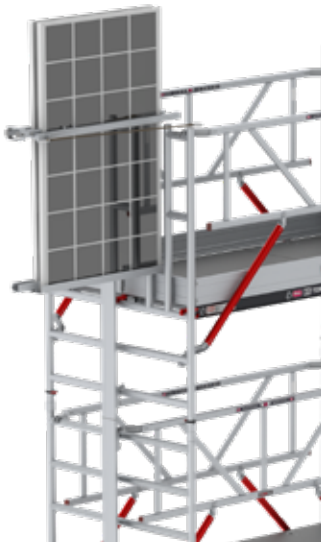
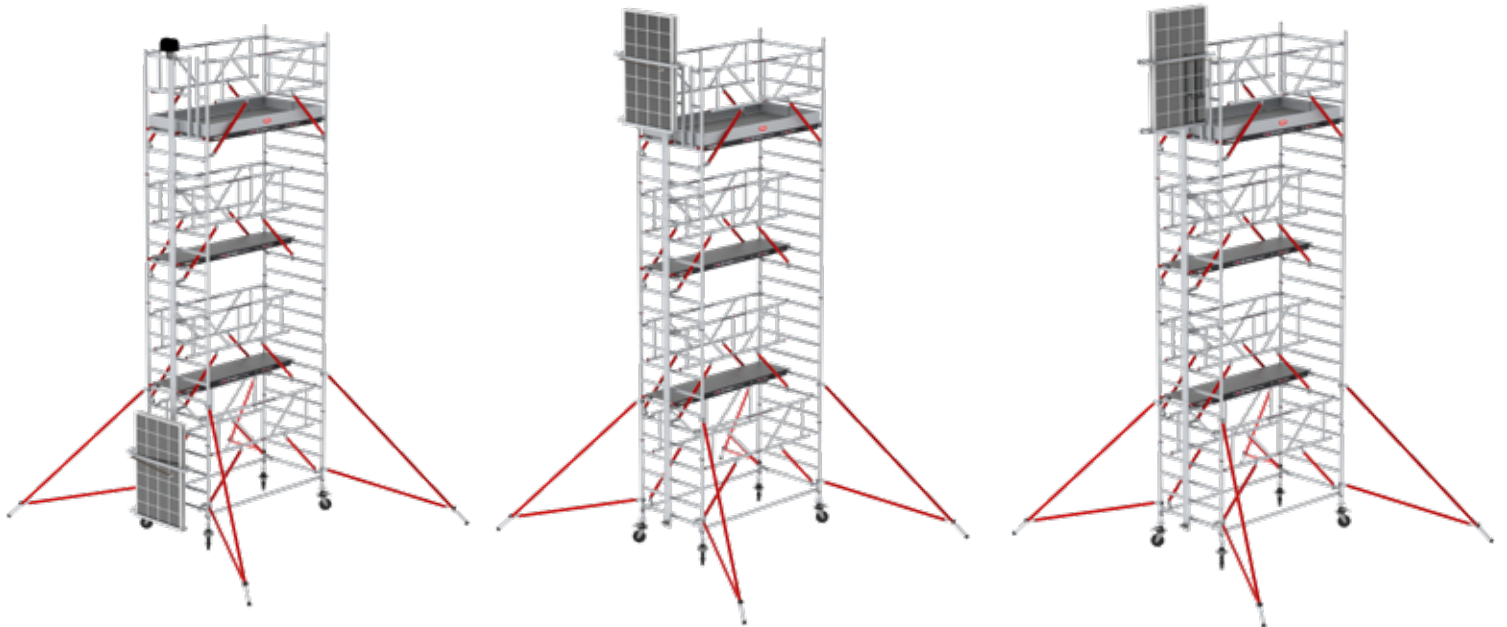
1. Mount the correct console (Part G / J) to the Shuttle.
2. Place the load.
  - Shuttle Carrier: place the load in the crate. Make sure that the load does not protrude outside the crate.
  - Shuttle Solar: place the solar panel on the Solar carrier and fix it
3. Place the socket wrench adapter on the safety clutch.
4. Hoist the carriage by turning the portable drill (powertool) to the left in combination with socket wrench M10.
5. Lock the winch when the carrier is in its highest position.
6. Unlock the solar frame, turn the carrier 90 degrees and slide the solar panel on the scaffolding.
7. Use the wind strap of the solar frame to secure the carrier. The wind strap must be used under all circumstances.

Pay attention to the following points when using the solar frame and solar carrier:

- Always fasten the solar panel securely.
- Make sure the solar carrier is in its locked position during lifting so that it does not open by accident.
- Always secure the carrier with the wind strap after use.

### Customize solar panel

The solar panel can be made wider by unscrewing the cap nuts up to a maximum of 120 cm. After adjusting, tighten the cap nuts firmly again.



## 6. Use of the wind strap

Place the ring of the wind strap over the collar tube as shown in the picture below.

## 7. Disassembling the Shuttle

The Shuttle should be disassembled in reverse order, as described in the assembly instructions.

## 8. Inspection, care and maintenance

1. Shuttle parts must be handled and transported with care in order to avoid damage.
2. Storage should be organised in such a way that only undamaged parts, in the correct amounts, are available for assembly of the Shuttle.
3. Check all parts for contamination. Clean contaminated parts.
4. Check all moving parts for correct functioning and check that these are not filthy.
5. Check the safety clutch of the winch. This is done easily by hoisting a load that is heavier than 30 kilograms. The safety clutch should then start slipping.
6. Check all parts for damage. Damaged, worn-out or incorrect parts may not be used. Replace these parts only with original Altrex parts. To prevent accidents, these parts must be mounted in the same way as the part that is replaced. Mounting (fastening) and/or repair are at your own expense and risk. Altrex shall not be liable for damage resulting from erroneous mounting and/or repair.
7. The Shuttle must be inspected periodically by an expert.

**EN**