

Setup and Configurations

Installation of a standard single unit configuration – with mast ties

Installation of outriggers and planking

- 3- Adjust the outriggers and install planks, as required and allowed (see p. 74 of the *Accessories* section for more information).

Verification of the setup

- 4- Make a final verification of the setup before starting to install mast sections. Make sure all the guardrails are in place and secure (see p. 69 of the *Accessories* section for more information about guardrails). In all cases where workers are exposed to fall hazards greater than specified by local regulations, the installation of guardrails or face guardrail supports is **mandatory**.
- 5- Before authorizing workers to use the motorized unit, perform every step in the daily inspection checklist. If required, fill out the handover sheet to complete the installation. Refer to the *Transport, Storage and Maintenance* section on p. 93 for more information about the daily inspection checklist and to p. 97 for information about the handover sheet.

Installation of mast sections and mast ties

- 6- Using a crane or a rough terrain forklift, load mast sections on the platform. **Mast sections should be stored horizontally and distributed equally on either side of the mast to ensure good balance.** Refer to the *Load Capacities* section on p. 60 for more information about loading the platform.
- 7- Proceed with the installation of mast sections. Refer to p. 51 of the *Masts and Mast Ties* section for more details on how to install mast sections.
- 8- Install mast sections until a first tie level is required. Refer to p. 51 of the *Mast and Mast Ties* section for instructions on how to install mast sections. For more information about the schedule of installation of tie levels, refer to the *Mast Tie Schedule* table on p. 51 of the *Mast and Mast Ties* section. Refer to p. 51 of the *Mast and Mast Ties* section for instructions on how to install mast ties.
- 9- **Once at least two tie levels have been installed, the base outriggers can be either parallel to the face of the work (at a 0-degree angle) or completely closed, if required.**
- 10- Install as many mast sections as the plan layout requires and as is allowed. A setup with mast ties should not be raised above 250' (76 m). Make sure throughout the process that the mast remains plumb on both its front and side axis and that tie levels are installed when required.
- 11- It is important to make sure to verify the mast bolts when lowering the platform to make sure they are tightened to the proper torque and are in good condition, especially on **brand-new mast sections**, as the galvanized coating may have compressed. In all cases, mast bolts must be tightened to a torque of 120 lb-ft (163 N-m). Failure to tighten bolts properly may lead to serious injury or death.

WARNING



It is important to make sure that all base outriggers are **opened** at a 30-degree angle until at least **two tie levels** have been installed. If base outriggers are required to be parallel to the face of the work (at a 0-degree angle) during the initial stages of installation, the first tie level must be installed no higher than 10' (3 m) above base level; if base outriggers are required to be closed completely, it is mandatory to refer to and comply with the *Mast Tie Schedule* for an installation using a mast base plate, on p. 84 of the *Accessories* section.



To access the work platform by climbing up the mast, it is recommended to use an access bridge installed on the right-hand side of the mast. In a **multiple units configuration**, it is important to make sure that this **access bridge is installed on the motorized unit located the furthest on the right side of the installation**. It is also suggested to install a retractable rest platform when the setup has been raised at more than 30' (9 m) above base level or beyond the maximum allowable height prescribed by local regulations for mast climbing without a rest platform.