

Operation Manual

Assemble Kit No: Generic Pipe Lifting System

**TB14J Plus, TB20J Plus, TB26J Plus, TB28J Plus, TB32JN
Plus, TB42RJ & TB58RJ**

High-Capacity Restricted Outdoor Use

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Introduction



Failure to read, understand and obey the safety rules will result in death or serious injury.

Do Not Operate Unless:

You learn and practice the principles of the safe system operation contained in this operator's manual.

1. Avoid hazardous situations.
2. Always pre-inspect system.
3. Always perform function tests prior to use.
4. Inspect and clear the workplace.
5. Only use on recommended machines.

You read, understand and obey the manufacturer's instructions and safety rules safely and operator's manuals and system decals.






You read, understand and obey employer's safety rules and worksite regulations.

You read, understand and obey all applicable governmental regulations.

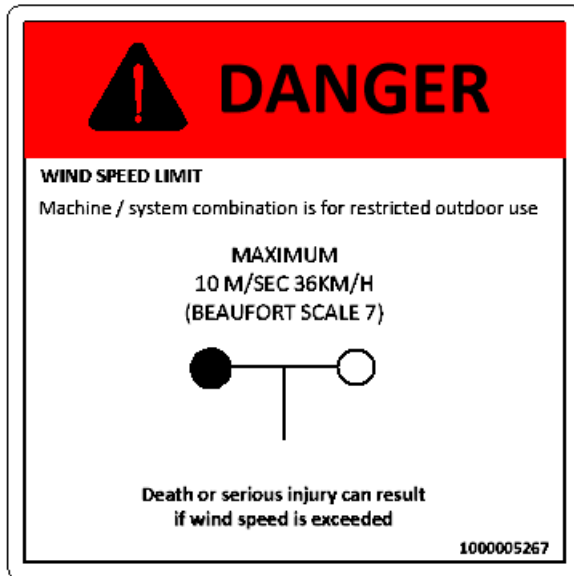
You are properly trained to safely operate the system on the recommended machines.

Decal Legend:

Sinoboom decals use symbols, colour coding and signal words to identify the following:

	Safety alert symbol – used to alert personnel to potential hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
	Red – used to indicate the presence of an imminently hazardous situation which, if not avoided, will result in death or serious injury.
	Orange – used to indicate the presence of a potential hazardous situation which, if not avoided, will result in death or serious injury.
	Yellow – Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
	Green– Indicates a hazardous situation which, if not avoided, could result in property damage.

Wind Force Hazards:



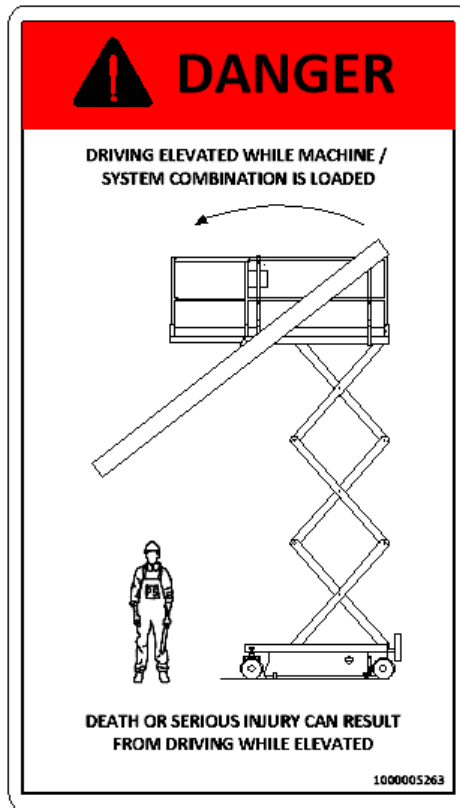
- 1- Pipe lifting system is rated for 10m/sec or 36km/hour do not use machine / system combination in winds exceeding 10m/sec or 36km/hour
- 2- Wind speed rating = 10m/sec or 36km/hour

Note: Refer to Beaufort Scale on next page.

Beaufort Scale

Level	When you see ...	Wind Speed in km/h
0	Calm. Smoke goes straight up. No wind.	0 - 2
1	Weathervane does not move. Smoke drifts. Slight wind.	2 – 5
2	Feel wind on your face. Weathervane moves. Leaves rustle. Light wind	6 – 11
3	Leaves & twigs move steadily. Gentle breeze.	13 – 19
4	Small branches move. Dust & paper are being blown around. Moderate breeze.	21 - 29
5	Small trees begin to sway	19 - 24
6	large branches of trees in motion, whistling heard in wires	25-31
7	whole trees in motions, resistance felt in walking against the wind	32 - 38
8	Twigs and small branches broken off trees	39 - 48

Crushing Hazards:



- 1- Use extreme care when driving the machine while elevated with the lifting system loaded. Ensure work area is clear of personal and equipment before any lifting operation.
- 2- Do not use anything other than the lifting system to level the loads.

- 3- Do not operate the machine unless the load is securely fitted into the lifting system utilizing the supplied tie-down straps.
- 4- Avoid debris and uneven surfaces.
- 5- Always use gloves when setting up & operating the lifting system.
- 6- Lifting system shall be installed via component person as per the instructions listed.

Recommended Machines:

This system is designed for Sinoboom machines only do not use on other manufacturers machines. Do not use this system on machines that are not listed below.

- 1- **TB14J Plus, TB20J Plus, TB26J Plus TB28J Plus, TB32JN Plus, TB42RJ & TB58J Plus telescopic high-capacity boom lifts.**

The system can only be used on Sinoboom equipment equipped with high-capacity platforms.

Death or Serious injury will occur if the pipe lifting system is used on machines which are not listed within the manual.

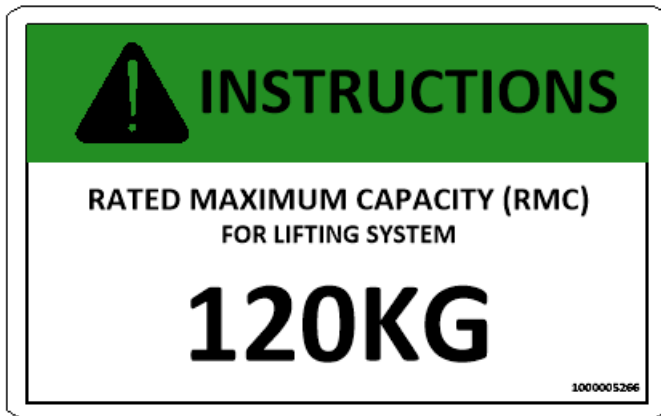
Rated Max Capacity:

The generic pipe lifting system is used for pipes and similar materials and carries a fixed rated max capacity.

Rated Max Capacity = **120Kg (Across both frames)**

Max pipe diameter = **150mm or 6inches**

Max pipe length = **6m**



Note: Refer to manufacturer's operators manual & supporting decals for specific machine max rated capacity.

System weight and RMC of the lifting system shall be subtracted from the operational RMC of the machine.

Specifications:

System weight 6Kg / 13.2lbs each

Installation Procedures:

Assemble each attachment as per **figure 1.2**.

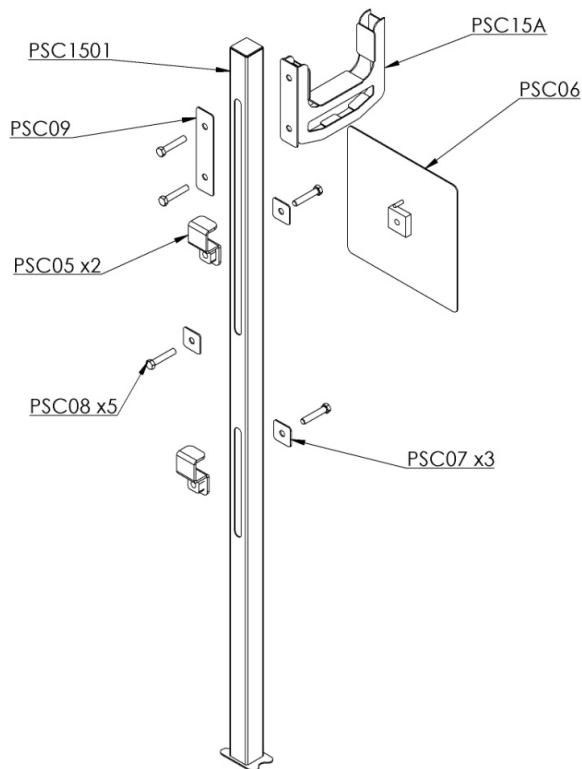


Figure 1.2

1. Position into machine. Foot pad should be sitting on the floor of the platform.
2. Install lifting heads & decal plate so they are facing inwards within the platform. **(Refer to Image 1.3)**
3. Lifting system should be secured to the top and middle rails of the platform via the clamp plates provided with kit. (Spanner size = 14mm)

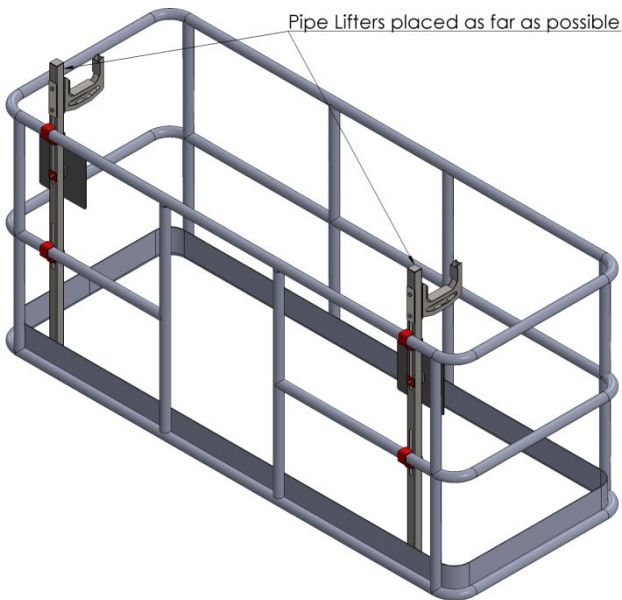


Figure 1.3

Image – full assembly installed into the platform of the boom.

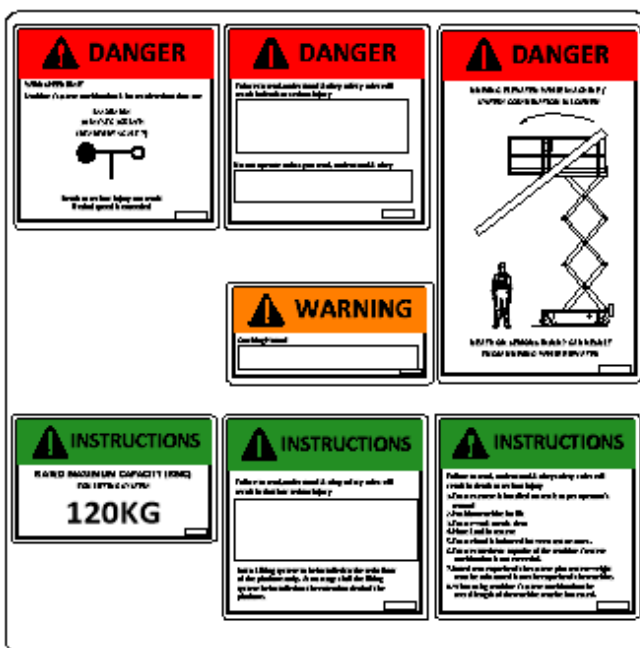
Operating Instructions:

Using the Sinoboom Generic Pipe Lifting System for anything other than its intended purpose is unsafe.

- 1- Always use the machine / system combination on firm level surfaces.
- 2- Ensure work area is clear.
- 3- Position machine to lift.
- 4- Place load in system.
- 5- Ensure load is balanced between system heads.
- 6- Confirm RMC of system via the decal within this manual or on the decal plate of the system.
- 7- Rated max capacity + system weight must be subtracted from the RMC of the machine.
- 8- Secure load with provided tie down straps.
- 9- When using system, it may increase the overall length of the machine. Allow for extra length when raising and lowering.
- 10- All work procedures must cease when wind speed exceeds 10m/sec or 36 km/hour.

Decals:

Use the appropriate information to verify that all decals are legible and in place.



Notes: