

BOSUN CHAIR INSTRUCTION MANUAL

**LOAD CAPACITY
350 LBS.**



USE OF THIS EQUIPMENT IS UNSAFE AND UNLAWFUL WITHOUT PROPER FALL PROTECTION EQUIPMENT BEING PROVIDED BY YOU AND USED IN ACCORDANCE WITH THE REQUIREMENTS OF FEDERAL, STATE, PROVINCIAL AND LOCAL REGULATIONS.



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All product illustrations and specifications are based on information available at the time of publication. Because of a continuing policy of product improvement and a desire to provide better consumer value Tractel, Inc. reserves the right to make changes without notice or obligation

TABLE OF CONTENTS

	PAGE #
1. Warnings	
1.1. Explanation of Symbols	2
1.2. General Warning	3
1.3. Code of Safe Practices (SSFI)	5
2. Wire Rope	
2.1. Wire Rope Specifications	7
2.2. Wire Rope Rigging Instructions	7
3. Power	
3.1. Power Supply	9
3.2. Fuses / Circuit Breakers	9
3.3. Power Cords and Grounding	9
4. Installation	
4.1. Hoist Installation	10
5. Reeving	
5.1. Wire Rope Reeving	11
5.2. Wire Rope Reeving	11
6. Inspection	
6.1. Inspection of Chair Components	13
7. Parts	
7.1. Parts List	14
7.2. Nameplates and Labels	16
8. Dimensions	
8.1. Wire Rope Specifications	17

1. WARNINGS:

1.1. EXPLANATION of SYMBOLS:

<u>Safety advice</u>			
Symbol	Code word	Meaning	Possible consequence of non-compliance
	WARNING	IMMEDIATE or possibly imminent danger:	Fatal or serious injuries!
	CAUTION	possibly dangerous situation:	Injuries to persons or damage to property
<u>Other advice</u>			
	NOTE	possibly dangerous situation:	Damage to equipment or its surroundings
	(none)	Instruction to execution/ documentation in writing (i.e. record keeping)	(none)

1.2. GENERAL WARNING

Read this general warning first.

In suspended scaffold operations, safety is a matter of life or death for riggers, operators and by standers. This warning is your share of duties for achieving safety.

YOUR DUTY TO UNDERSTAND AND COMPLY.

1. It is the responsibility of the rigger's and the operator's, and their employer's responsibility, if they operate under an employer's control, to strictly conform to the following warnings.
2. It is imperative for safety and efficiency of operations that this manual be read and fully understood by the rigger and the operator before rigging or operating the Bosun Chair. All instructions contained herein must be carefully and strictly followed, including applicable Tractel safety guidelines.
3. Should you hand over a Bosun Chair under whatever conditions, to any party operating out of your control, you must attach a clean copy of this manual and draw to other party's attention that strictly following all the instructions therein is a matter of life or death.
4. Before rigging and operating this Bosun Chair, the rigger and the operator must become aware of all the requirements of federal, state, provincial and local safety regulations not only applicable to the Bosun Chair but also to the entire suspended scaffold system and any component of it.
5. Never use the Bosun Chair for any job other than lifting personnel according to the instructions of this manual.
6. Never load the Bosun Chair above its rated load.

YOUR DUTY TO INSPECT AND MAINTAIN.

7. Keep this manual available at all times for easy reference whenever required. Extra copies are available from Tractel and/or your equipment.
8. Carefully take notice of all the labels affixed to the Bosun Chair. Never rig or operate the Bosun Chair if any label, normally fixed on it is obscured or missing. Replacement labels are available from Tractel and/or your equipment supplier.
9. Every time the Bosun Chair is to be rigged or used, check that the Bosun Chair, hoist, wire rope and other components of the suspended scaffold system are complete and in good working condition, prior to proceeding.
10. A careful and regular inspection of the Bosun Chair hoist, wire rope and other components of the installation is part of the safety requirements. If you have a question, call Tractel and/or your equipment supplier.
11. Maintenance may only be carried out by personnel authorized by Tractel Inc / Ltd. in writing. Assigned a dated inspection record should be maintained.
12. After each de-rigging and before re-rigging, the Bosun Chair must be inspected by a competent person familiar with the equipment and professionally trained for the purpose.



13. Inspection by persons authorized by Tractel Inc. / Ltd. is to be carried out once every six months or every 200 hours. A signed and dated inspection record should be maintained.
14. The manufacturer declines any responsibility for consequences of repairs or modifications brought out of its control to the product, specially by replacement of original parts or repair by another manufacturer.

YOUR DUTY TO TRAIN AND CONTROL PEOPLE.

Compliance with safety rules extends to rigging operations which must be carried out only after securing safe conditions of operation as per safety regulations and requirements.

15. An operator must not be assigned to a suspended job or to rigging for a suspended job, or to de-rigging after the job, if that person is not:
 - a) mentally and physically fit for the purpose especially at heights.
 - b) competent for the job to be performed.
 - c) familiar with the scaffold equipment as rigged.
 - d) professionally trained for working under the above requirements.Except for the operations described in this manual, the maintenance of the Bosun Chair, as well as repair, must be exclusively done by repairers authorized by Tractel Inc / Ltd. in writing. Spare parts used for all equipment must be exclusively in accordance with the serial number of each product. No substitutions are allowed.
16. Never let the Bosun Chair or other components of a suspended scaffold system be managed or operated by any person other than authorized and assigned to the job. Keep the equipment, either rigged or unrigged, out of reach of unauthorized persons, while out of operation.
17. Training operators and riggers includes setting up rescue procedure should a scaffold be brought to a stand still during a job. Such procedure must be set up by a competent person of the user, or its technical consultant, according to the working conditions, prior to putting the equipment into operation.
18. Every suspended job must be placed under the control of a person having the required competence and authority for checking that all the instructions prescribed by this manual be regularly and efficiently carried out.

YOUR DUTY TO SAFETY BEYOND THE BOSUN CHAIR

The equipment has been specially designed to be fitted with Tirak hoists. As being only one piece of a scaffold system, the Bosun Chair can contribute to the required safety only if:

19. Compatibility of other brands of hoists has been verified & approved by Tractel Inc / Ltd. engineering department.
20. It is fitted on compatible equipment.
21. Other components meet the requirements of the applicable safety regulations and requirements, are of the proper quality, assembled to form a safe and efficient suspended scaffold system and are approved by Tractel Inc / Ltd. engineering department
22. Every upper support of the scaffold is stable, sufficiently strong and properly tied back to the structure, according to the load either static or dynamic.
23. The supporting structure and tie-back, is required to with stand every load to be applied, either static or dynamic, during rigging or operating the scaffold equipment.
24. All the requirements in strength and resistance are obtained with the necessary safety coefficients (see regulations and professional standards).
25. All the calculations, design and subsequent work necessary to meet the above requirements have been made by a competent person on the basis of proper technical information regarding the site.

YOUR DUTY TO AVOID TAKING CHANCES.

26. Once the motorized Bosun Chair has been lifted off its initial support (ground or any other level), it is imperative not to release, remove, alter or obstruct any part of the equipment under load.
27. NEVER allow any condition which would result in a suspension wire rope becoming SLACK during the operation unless the Bosun Chair is safely supported on a safe surface giving a safe access to the operator in compliance with safety regulations.
28. Never operate a Bosun Chair and its accessories, especially electric ones, in a potentially explosive atmosphere.
29. For any job to be performed on the suspended equipment, consider and control the specific risks related to the nature of the job.
30. Should you decide that this Bosun Chair is no longer to be used, take precautions in disposing of it so that it cannot be used any more.
31. **Tractel Inc. / Ltd. declines any responsibility for any special rigging or structural combinations beyond the descriptions of this manual.**
32. **Tractel Inc. / Ltd. declines any responsibility for any other use of the Bosun Chair, than described in this manual.**

This manual is neither a regulations compliance manual nor a general training guide on a Bosun Chair operations. You must refer to proper instructions delivered by manufacturers of the other pieces of equipment included in your installation. Whenever calculations and specific rigging and handling are involved, the operator should be professionally trained to that end and secure relevant information prior to commencing such work.

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4. INSTALLATION:

4.1. HOIST INSTALLATION:

1. Remove the (2) 1/2"-13 x 2-1/2" lg – GRADE 5. Hex Head Cap Screws Item #18 and the 1/2"-13 Hex Reversible Lock Nuts Item # 19. See Figure-7.



Figure-7

2. Insert Tirak hoist stirrup adapter into the hoist mount as shown in Figure-8.



FIGURE-8

3. Insert the (2) 1/2"-13 x 2-1/2" lg GRADE 5. Hex Head Cap Screw, Item 18, into the Tirak mount and through the hoist stirrup adapter and install the 1/2"-13 Hex Reversible Lock Nuts, Item 19, and tighten.

4. A pendant must be installed to operate the Tirak Hoist (Figure 9). A pendant shall be installed by a service shop authorized, in writing, by Tractel Inc. / Ltd.



FIGURE-9

5. REEVING:

5.1. WIRE ROPE REEVING:

1. Closely inspect wire rope tip
(Section 2.2. – page 9)
2. With gloved hand insert Tirak Wire Rope through the top of the Bosun Chair Fairlead and push through until the wire rope is at the top of the hoist. See Figure - 10
3. Insert Tirak wire rope into the BSO500 and into the hoist and reeve according to the Tirak hoist manual.



FIGURE-10

4. Install the Bucket Holders into the sides of the Bosun Chair. These may be placed either forward or backward. The Bucket Holders have a 50 lb. (22 kg) load capacity each. See Figure – 11

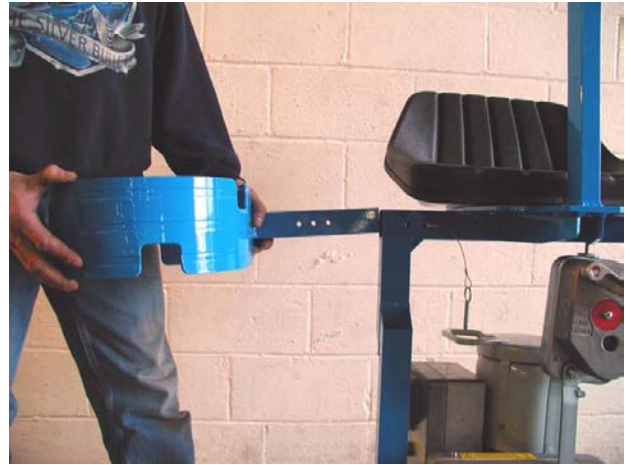


FIGURE-11

5. The Bosun Chair Wheels are adjustable in and out at 2” increments. Pull the 5/16” Detent Ring Pin to make the desired adjustment and replace the pin. See Figure - 12

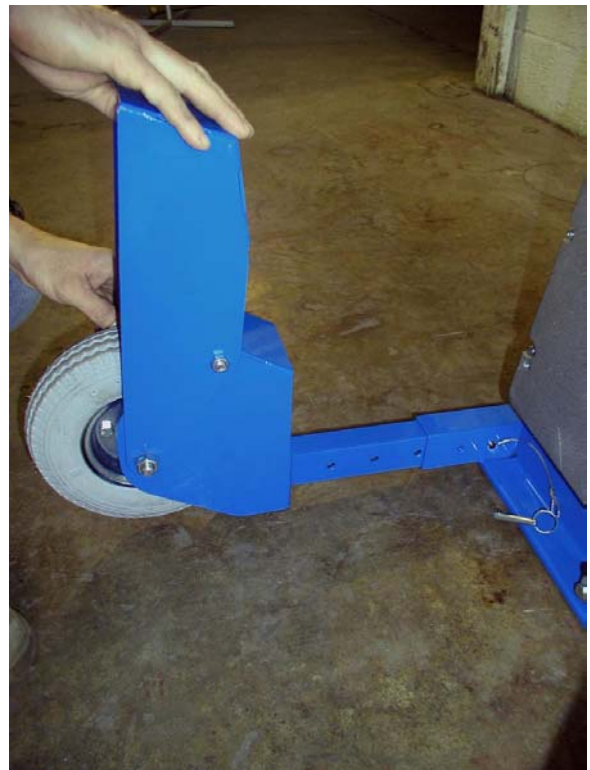


FIGURE-12

5.1. WIRE ROPE REEVING (continued):

After reeving through the hoist, be sure to loop and clamp the free end of the wire rope, to prevent the rope from inadvertently unreeving through the hoist.

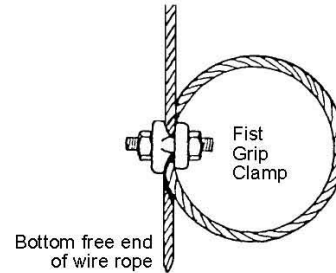
Always tie this loop, using a fist grip clamp, when the platform is at ground level or other safe surface (Figure 13).

WARNING:



AT EVERY SET-UP OR RERIGGING check the wire rope length to ensure that it reaches the ground or other safe level with about five feet (1.5 m) extra for safety.

Figure 13 Loop at Free Wire Rope End

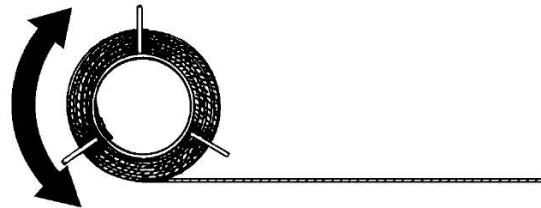


5.2.

De-Rigging

- (1) Before de-rigging each TIRAK® hoist must be unloaded by bringing down the platform to a safe and stable support.
- (2) Remove the loop at the free wire rope end.
- (3) Press DOWN button to let the wire rope run out.
- (4) With gloved hands slowly pull the wire rope through BSO secondary brake.
- (5) Clean the wire rope, **reel** it (Figure 14), and store it in a clean and dry place.

Figure 14 Wire Rope Handling



6. INSPECTION:

6.1. INSPECTION of CHAIR COMPONENTS:

INSPECT THE BOSUN CHAIR BEFORE EACH USE. NEVER USE THE BOSUN CHAIR IF DAMAGED OR DEFECTIVE AND IF IT HAS MISSING PARTS IN ANY WAY.

INSPECT NYLON ROLLERS TO INSURE THEY ARE FREE TO ROTATE.

INSPECT PNEUMATIC WHEELS FOR PROPER INFLATION.



WARNING

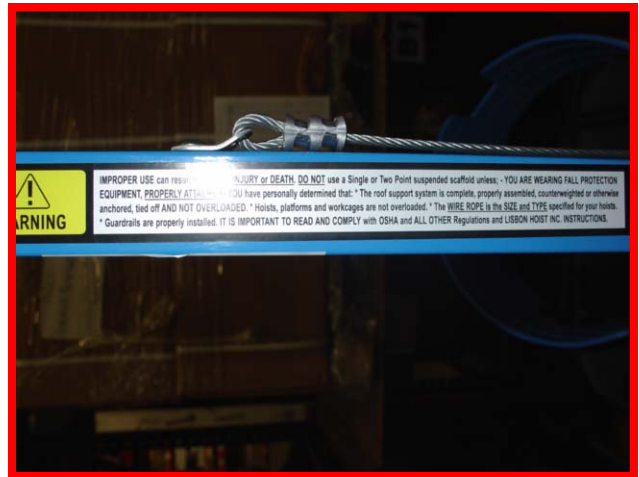
**IF PARTS ARE MISSING
REPLACE BEFORE USE. IF
DAMAGED OR DEFECTIVE
MARK OR TAG BOSUN'S CHAIR
AS DAMAGED OR DEFECTIVE
EQUIPMENT AND REMOVE
FROM THE JOBSITE! SEND BACK
TO THE MANUFACTURER FOR
REPAIR, IF REPAIRABLE.
IF REPLACING PARTS, ALWAYS
USE PARTS FROM
MANUFACTURER TO INSURE
QUALITY AND SAFETY OF THE
DESIGN.**

7.2. NAMEPLATES AND LABELS:

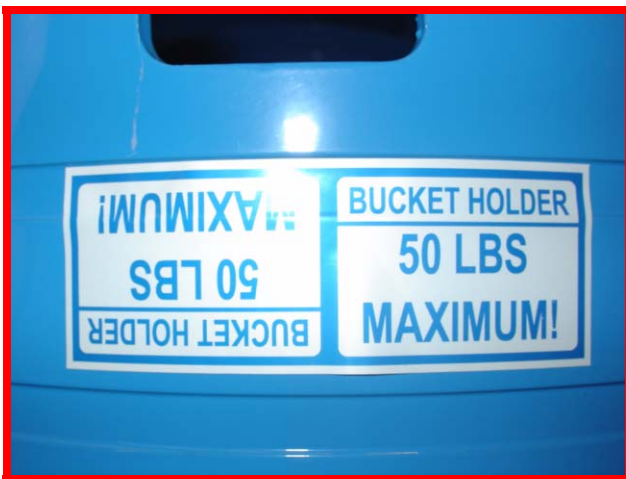
Part# LHB01 LABEL



Part# LHB04 LABEL



Part# LHB02 NAMEPLATE



Part# LHB05 LABEL



Part# LHB03 NAMEPLATE



7.2. NAMEPLATES AND LABELS (continued):

Part# LHB06 LABEL



Part# DECAL32 LABEL



Part# DECAL8 LABEL



Part# LABEL

