

# **TEE-BAR HOIST**

## **Instructions 2.4m and 3.3m**

### **WARNING**

**100KG Safe working load must not be exceeded.**

**Do not modify hoist, refer to manufacturers specifications**

### **Pre-Use Inspection**

#### **(1) Inspect Decal**

Maintaining decal in good condition is essential for safe machine operation. An illegible label may fail to alert personnel, of a procedure or hazard which could result in an unsafe operating condition.

\* Inspect decal for damage and legibility, contact manufacturer for replacement.

#### **(2) Inspect for loose or missing parts**

Daily inspection of the machine is essential for safe machine operation. Failure to locate and repair damage could result in other parts being affected, resulting in expensive repairs and unsafe operating conditions.

- Cable anchor
- Cable and pulleys
- Masts
- Nuts and bolts
- Load lifting platform and locking pin
- Correct operation of winch
- Legs their locking devices
- Casters
- Cracks in welds

#### **Inspect winch**

Winch must be checked daily for damage and correct operation. An unsafe condition exists if winch is faulty.

- Visually inspect winch
- Raise hoist through a partial cycle and release winch handle
- Winch should operate smoothly, hoist should not lower when handle is released
- Lower hoist
- Winch should operate smoothly

#### **(3) Inspects masts**

As the mast provides the structural strength for the lifting of materials, it is essential that they be inspected for damage and smooth operation. An unsafe condition exists if masts are damaged.

- Visually inspect masts for dents, abrasions, bends, warping and excessive wear.
- Raise hoist to full height
- Mast should raise and lower in sequence smoothly.

**(4) Inspect cable, pulleys and Slides**

Detection of damage to cable, pulleys and rollers is essential for safe operation. An unsafe condition exists if these components are damaged. Visually inspect the cable for:

- Frayed strands
- Kinks
- Secured properly to winch
- Secured properly to mast

Using correct lifting techniques lay the machine back, after the mast has been locked onto a suitable support. And check the following:

- Cable is on pulleys
- Excessive play in pulleys
- Check condition of mast bushing (top and bottom)

**(5) Casters and wheels**

- Visually check casters for cuts and cracks
- Roll machine onto a flat surface, checking that the casters roll smoothly and freely
- Check brakes on casters

**Operation of Hoist**

1. Lock brakes on casters.
2. Do not operate hoist in high wind areas
3. Position goods in the centre of the platform.
4. Keep hair, clothing, and etc clear of winch mechanism.
5. Keep personnel clear of hoist when lifting.
6. Do not use hoist as scaffold or lean ladders against it.
7. Stand clear of hoist when lowering.

**Maintenance**

Sealed bearings have been used on this machine, in the pulleys and mast rollers and don't require lubrication. The mast must not be lubricated with oil, grease or sprays. As this will over time, lead to the build up of dirt which could cause the plastic slides to bind.

Periodic maintenance must be carried out and the pre-use inspection list can be used as a guide.

**Samson Industries recommend that the cable be replaced every 12 months**

Manufactured by



Complies with the following  
Australian Standards

- AS 1418.8-2008 Cranes hoists and winches
- AS 1418.7-1999 Builders hoists and equipment
- AS 1418.2-1997 Serial hoists and winches

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