

GENERAL WARNINGS

1. This manual must be read and understood prior to any installation or operation of the manual lever hoist and must be kept available for any user to consult.
2. Never use a hoist which is not in good working order. Replace the load chain if it shows signs of wear. For safety it is important to regularly check the condition of the hoist and the load chain.
3. We decline all responsibility for any modification or repair work carried out without its consent. Specifically in the case of replacement of original parts by parts other than those supplied or recommended by our company.
4. NEVER use lever hoist for the lifting or transport of personnel.
5. Do not use more than one lever hoist to lift a load.
6. The hoist must never be motorized.
7. Do not work or stand under a suspended load.
8. Do not use any device, such as a pipe, to exert a greater force on the lever handle other than that which can be applied manually.
9. Do not use the load chain to sling the load.
10. NEVER exceed the nominal capacity of the hoist stated on the metal label.

IMPORTANT: If the equipment described in this manual is supplied to an employed person, check that you meet our obligations with respect to safety at work regulations.

1. DESCRIPTION OF THE HOIST

The lever hoist is a portable manual lever hoist for lifting, pulling and tensioning which is normally used on a fixed anchor point or with suspension trolleys. Information about suspension trolleys can be obtained from our company on request.

Lever hoist has a compact design, is light, portable and easy to install.

Lever hoist is supplied with a standard 1.5 metre length of **grade 100** load chain. Unique free-wheeling system allows fast and easy adjustment of the load chain.

2. INSTALLATION

Before installing the lever hoist, please make the following checks:

- 2.1 Check that the hoist is in good condition.
- 2.2. Check that the correct capacity hoist is to be used.
- 2.3 When using a hoist with 2 or more falls of load chain ensure that there is no twisting.
- 2.4 Check that the load chain is correctly lifted with the link welds on the outside of the load sheave especially when lifts other than the standard 1.5 metres are used.
- 2.5 Check that the anchor point is sufficient to take the intended load.

Once these checks have been carried out and the hoist is installed on its anchor point the following procedure should be carried out before any work commences:

- 2.6 Check that the hoist is correctly attached to the anchor point and that the safety catches are closed.
- 2.7 Check that the load chain has not become twisted during installation.
- 2.8 Without load, check that the up and down functions operate correctly.
- 2.9 When using the hoist with a push suspension trolley, without load, check that the trolley moves freely. If using a geared suspension trolley, without load. Check the direction of movement by pulling on the trolley hand chain.

3. OPERATION

The lever hoist is operated by means of a lever handle which is moved back and forth by the operator to lift or lower a suspended load. Alternatively lever hoist can be used to pull or tension a load.

- 3.1 Put the selector lever in the neutral position “N”.
- 3.2 With no load on the machine, turn the load wheel (30) anti-clockwise to open the brake; the chain is released.
- 3.3 Attached the top anchor hook to the fixed point and the lifting hook to the load and take up the slack chain by hand. Alternatively, attach the top anchor hook to the load and the lifting hook to the fixed point and take up the slack chain by hand.
- 3.4 Turn the load wheel (30) clockwise; the brake is closed. The chain is engaged in the hoist.

NOTE: The operation to open the brake must only be attempted with no load on the machine.

- 3.5 To lift, pull or tension : put the selector lever to position / (UP) and operate the lever handle back and forth.
- 3.6 To lower or slacken: put the selector lever to position \ (DN) and operate the lever handle back and forth.

WARNING

The selector lever must not be left in the “N” position when a load is suspended on the hoist or the hoist is under tension.

Do not attempt to operate the load wheel (30) during any operation or when a load is suspended on the hoist.

It is not recommended to operate the lever handle at excessive speed as this will lead to an uneven movement of the load. It is recommended to operate the lever handle in a steady movement to prevent any unnecessary jerking of the load.

4. REMOVAL FROM SERVICE AND STORAGE

When taking the hoist out of service ensure that any load is placed safely and securely on the ground and that the load chain is slack enough to enable the bottom hook to be removed from the load.

It is recommended that the hoist be stored hanging so that the load chain does not become tangled. Store the hoist in a dry and weather proof area. Before storage clean the load chain with a brush and lubricate with machine oil.

5. LOAD CHAIN

It is essential to guarantee the safety of the hoist to use only the correct dimension grade 100 load chain.

The good condition of the load chain is a guarantee of safety and at the same time the good condition of the hoist. It is therefore necessary to constantly be aware of the condition of the load chain and to clean and lubricate with machine oil at regular intervals.

The load chain must be examined daily when the hoist is being used to detect any signs of wear or deterioration. In case of any apparent deterioration have the load chain checked by a competent person. Do not expose the load chain to excessive temperatures, abrasive materials or chemicals.

6. MAINTENANCE

The lever hoist does not require any special maintenance.

Periodically, in particular after frequent use, or at least annually and according to your country's safety regulations the hoist must be returned to a recognised and competent lifting equipment service and repair centre for maintenance and repair.

Maintain the load chain by cleaning regularly and lubricating with machine oil. If the hoist suffers any damage it must be returned to a recognised and competent lifting equipment repair centre.