

## EQUIPMENT CARE

**Never push the equipment beyond its design limits.** If it will not safely do what you want with reasonable ease and speed, assume you have the wrong equipment for the job. Contact HSS Hire for advice.

**Keep the equipment clean,** you will find this less of a chore if you clean it regularly, rather than wait until the end of the hire period.

**Never exceed the equipment's Safe Working Load.**

When not in use, **store the equipment somewhere clean, dry and safe** from thieves.

## FINISHING OFF

**Lower any raised load and detach from the lifting hook.** Detach the hoist from its suspension point and place complete with chain in the case provided ready for return to HSS Hire.



### ... have you been trained

The law requires that personnel using this type of equipment in the workplace must be competent to do so.

Training is available at HSS Training.  
0845 766 7799

### ...any comments?

If you have any suggestions to enable us to improve the information within this guide please e-mail your comments or write to the Safety Guide Manager at the address below  
e-mail: [safety@hss.com](mailto:safety@hss.com)

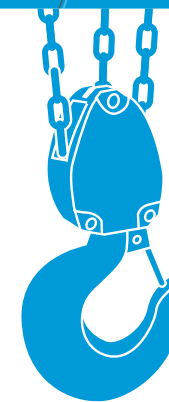
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LS57/03

Operating & Safety Guide LS57

**HSS Hire**



# Manual Chain Hoists

A full range of single and double fall manual chain hoists.



Code 69001-21 / 69032-39 / 69042-49  
69052-56 69073-76 / 69083


## GENERAL SAFETY


For advice on the safety and suitability of this equipment contact HSS Hire.

There is a serious risk of personal injury if you do not follow all instructions laid down in this guide.


This equipment is designed to be used by an able bodied, competent adult who has read and understood these instructions. Anyone with either a temporary or permanent disability, should seek expert advice before using it.


Keep children, animals and bystanders away from the work area. Cordon off a NO GO area using cones and barriers.


 Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.

 Wear practical, protective clothing, gloves, footwear and a protective hard hat. Avoid loose garments and jewellery that could catch in moving parts, tie back long hair.

 Do not use cables or chains to lift the load always use suitable slings and protect them from sharp edges.

 Use this equipment for vertical lifts only and secure to a level point able to take the combined weight of the load and the equipment.

 Ensure the load is balanced and stable and that personnel stand clear of the raised load. Attach "tag" lines to control rotation.

 Before lifting a load check that the hook safety catch is engaged and the load chain is untangled, hanging freely and shows no sign of damage.

Make sure you know how to operate this equipment safely and are aware of its limitations before you use it.

It is the operators responsibility to perform a risk assessment before assembling or using this equipment. You are also responsible for the safety of any one in the work area.

Make sure that anyone in the immediate work area is warned of what you are doing. Never allow anyone under a raised load or in a position where they are at risk if the load shifts.

Raise the load for the minimum of time, aim to lower the load as soon as possible. DO NOT leave the load suspended or unattended for any reason.

Make sure the landing area is unobstructed and able to accept the load in size and weight.

This equipment MUST NOT be used to raise personnel.

Use this type of equipment only on structures that are able to bear its weight and its load.

Never exceed the Hoists safe working load for the item being lifted.

Check the condition of the equipment before use. If it shows signs of damage or excessive wear, return it to your local HSS Hire.

## GETTING STARTED

Check that the hoist you have hired has a sufficient Safe Working Load (SWL) for the item being lifted.

Make sure that the hoist you have hired has a long enough drop both for the load chain and the control chain.

Check and confirm that the suspension point is tested and certified to the equivalent (or preferably greater) SWL of the hoist.

Visually inspect the hoist, paying special attention to the condition of the chains and hooks.

Chains should be clean and free from dust, dirt, moisture and grease. If the chain is gouged, twisted or has distorted or damaged links DO NOT USE IT, return it to your local HSS Hire.

Hooks MUST be distortion free and the gate must return under spring load.

Allow a 10% safety margin to accommodate dynamic forces that may arise during the course of a lift.

## BASIC TECHNIQUES

Attach the hoist to a suitable tested suspension point, using the top hook. Make sure the gate is correctly closed before proceeding.

Lower or raise the lifting hook as required. To raise the hook pull down on the hand chain furthest from the hook. To raise the hook pull down on the hand chain closest to the hook (see illustration).

Where the item to be raised has a dedicated lifting eye this should be used.

If the item has no lifting eye, suitable slings must be used.

Before lifting ensure the load is free and not restrained by fixing bolts etc.

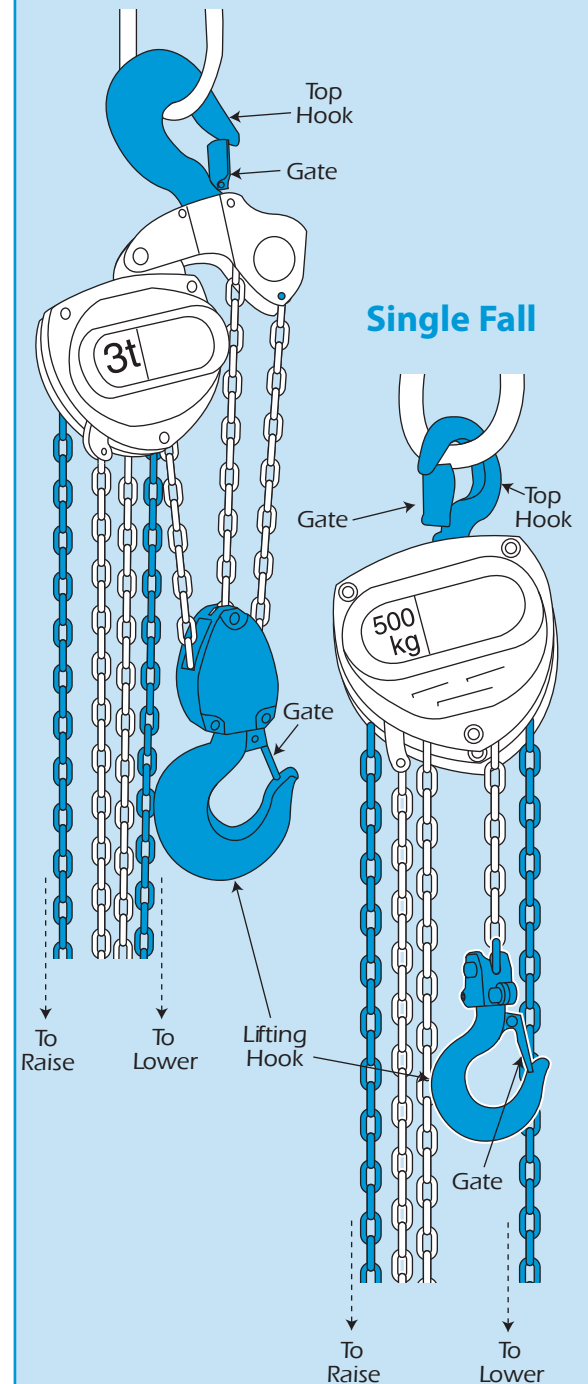
Determine the loads weight and centre of gravity as accurately as possible.

Attach suitable slings to the load and attach to the lifting hook ensuring the hook is not over crowded and that the hooks gate closes correctly.

Lift the load a nominal distance to check balance and security of the load.

Use tag lines to control long or bulky loads.

## Double Fall



# Know Your Symbols

HSS have created clear Icons to inform the hirer of their responsibilities towards the safe use of hire equipment.

These are designed to reduce the amount of different safety information labels required for each product for hire.

## General use PPE / Warning

Clearly marked minimum PPE will be visible on all equipment,



Correct PPE must be worn



HAV Hand Arm Vibration



Danger Rotating blade



Danger Hot exhaust



Danger Electric shock



Caution Abrasive Wheel



Caution Finger trap

## Fuel and Supply Types



Pe  
Petrol



Di  
Diesel



2t  
2 - Stroke Petrol



EI  
Electric

## Safe Procedures

All hirers must understand and respect the safe procedures of all equipment.

It is the responsibility of the hirer to maintain and return the equipment in a clean condition and good working order.



Ro  
Read OPS Guide



Ou  
Outdoor Use only



HI  
Heavy Lifting



Cd  
Check Oil daily



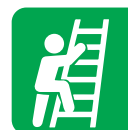
Cf  
Check Fuel daily



Cw  
Check Water daily



Bc  
Battery Care



Sh  
Safe Height Working



Swl  
Refer to Data Plate



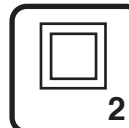
V  
Check Power Voltage Data Plate

## Electrical Safety

Safe wiring procedures.



Ea  
Must be Earthed Class 1



Doi  
Double Insulated Class 2



Enl  
Earth Live Neutral Wire Coding

## Return Responsibility

Charges apply to equipment returned dirty and damaged.



Cc  
Cleaning Charge



Rc  
Repair Charge