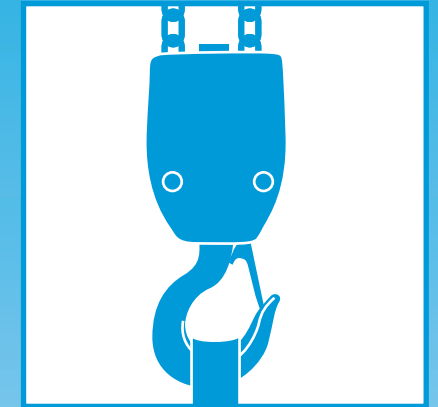


# HSS Lift & Shift



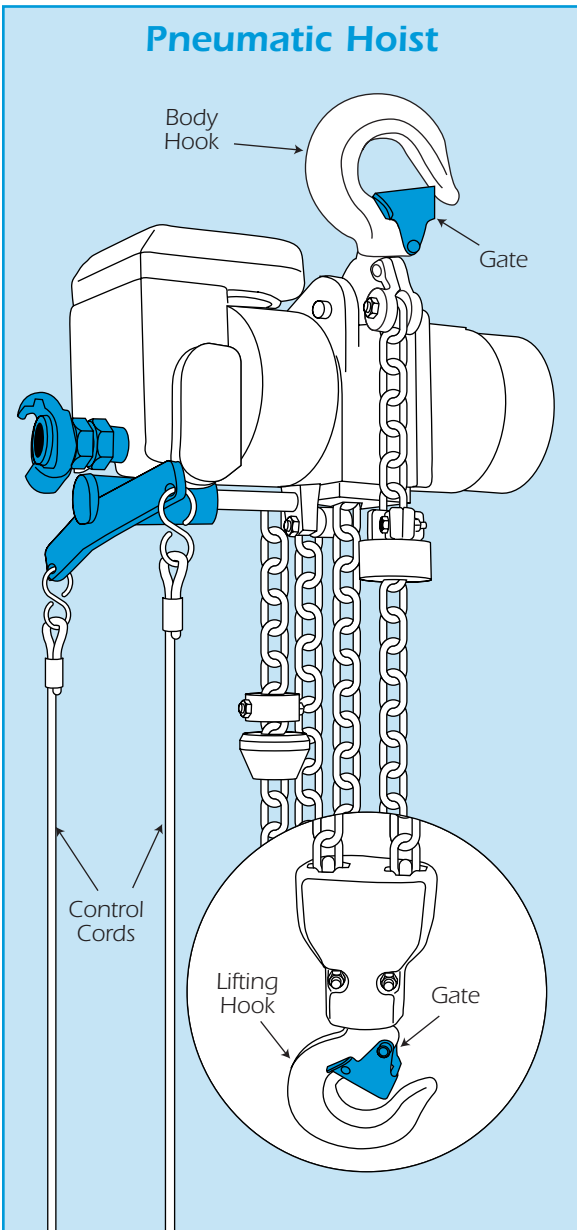
## Electric & Pneumatic Hoists

Electrically and air operated hoists, simple to install and easy to operate.



Code 68931/2/61/2;  
69104/5/7/8/9/11/2/3/4/6/21/2/6/32

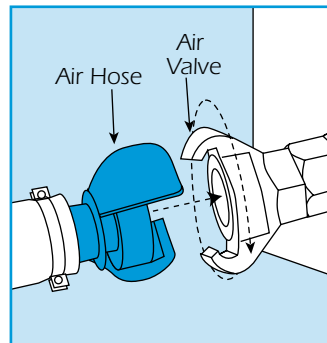
### Pneumatic Hoist



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

If using an electric hoist... Connect the power supply to the fixed plug on the unit, (see illustration). Either using a suitable fly lead or alternatively, a loose end cable drum (available for hire from your local HSS Lift & Shift Depot).

All the hoist controls are found on the pendent. To raise a load press the button with the up arrow. To lower a load, press the button with the down arrow.



There is a red emergency stop button on the pendent, if pressed the hoist will stop. To reset the button turn it clockwise until it pops back out.

If using a pneumatic hoist... With the compressor warmed up, and the air supply valve

**CLOSED**, connect the air hose by pushing it on to the valve and turning clockwise.

Anchor the delivery end of the air hose so that it is not aimed at any person or property then, taking great care, slightly open the air supply valve to clear the hose of any debris. Now fully close the valve and turn the compressor OFF.

Lay the hoist down on a clean firm surface, confirm that its air valve is in the closed position, and then connect the delivery hose in the same way as to the compressor.

Fully open the air supply valve and start the compressor.

To raise a load pull on the red control cord, to lower a load pull on the white pull cord,

### BASIC TECHNIQUES

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

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

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

Before lifting, ensure the load is free and not restrained by fixings etc.

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

Attach suitable slings/chains to the load and attach to the lifting hook ensuring the hook is not overcrowded 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.

Once raised lower as soon as possible. **DO NOT** leave the load suspended or unattended for any reason.

### EQUIPMENT CARE

Never push the equipment beyond its design limits. If it will not do what you want with reasonable ease and speed, assume you have the wrong tool for the job. Contact your local HSS Lift & Shift Depot 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.

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

### FINISHING OFF

Lower any raised load and detach from the lifting hook.

Detach the hoist from its suspension point and disconnect from the power/air supply and place in the case provided ready for return to your local HSS Lift & Shift Depot.



### ...any comments?

If you have any suggestions to enable us to improve the information within this guide please fax your comments or write to the Product Manager at the address below

Fax: 020 8687 5001

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## GENERAL SAFETY


For advice on the safety and suitability of this equipment contact your local HSS Lift & Shift Depot.


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 either barriers or tape, available for hire from your local HSS Lift & Shift Depot.


 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.

 Prevent hook overcrowding, with a 'Bow' shackle. Join lifting equipment with a 'D' shackle. Protect sharp edges to prevent load damage.

 Use this equipment for vertical lifts only and use on a level area able to take the combined weight of the load and the equipment.

 May be used at any angle for lifting, dragging or pulling. Anchor to a safe, secure point able to take the load force applied. Allow for contact friction if dragging.

 Ensure the load is balanced, stable and that personnel stand clear of the raised load.

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

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

It is both the hirer's and the operator's responsibility to perform a risk assessment before using this equipment. You are also responsible for the safety of any person in the work area.

Make sure that anyone in the immediate work area is warned of what you are doing.

## SAFETY WARNING

This equipment MUST NOT be used to carry or lift personnel.

Do not shock load this equipment.

Never leave the equipment loaded or unattended.

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

Never exceed the equipment's safe working load, see chart.

Comm Code	SWL (kg)	Height of Lift (m)
<b>Pneumatic Model</b>		
68931	1,000	10
68932	1,000	20
68961	6,000	10
68962	6,000	20
Comm Code	SWL (ton)	Height of Lift (m)
<b>Electric Model</b>		
69104	0.5	6
69105	0.5	9
69107	0.5	12
69108	0.5	15
69109	0.5	25
69111	1.0	6
69112	1.0	9
69113	1.0	12
69114	1.0	15
69116	1.0	25
69121	2.0	6
69122	2.0	12
69126	2.0	25
69132	3.0	15

Always switch OFF and unplug the machine before making adjustments to it.

Never carry or pull the equipment by its power supply cable.

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

## ELECTRICAL SAFETY

HSS Electric Hoists must be provided with a suitable 110V generated supply, or powered from the mains via a suitable 110V transformer (minimum 3kVA tool rating).


If the equipment fails, or if its power supply cable or plug becomes damaged, return it. Never try to repair it yourself.

Keep cables out of harm's way, and clear of the work area.

Extension leads should be avoided, however, if you have no alternative ensure it is fully unwound and loosely coiled, away from the equipment.

Never run leads through water, over sharp edges or where they could trip someone.

Using electrical equipment in very damp or wet conditions can be dangerous.

 To reduce the risk of electric shock, always use a suitable RCD (Residual Current-Operated Device) available from your local HSS Lift & Shift Depot.

Ensure the power socket is switched OFF before plugging into the power supply.

## AIR SAFETY

Most HSS pneumatic hoists require a 125 cfm compressor to run them. The air connections used are the claw type quick action couplings.

If the tool fails, or if its hose or coupling gets damaged, return it. Never try to repair it yourself.

Keep the air hose/s out of harm's way, keep it clear of moving parts. Never run them through water, over sharp edges or where they could trip someone.

Never carry or pull the equipment by its air hose.

Never allow compressed air to travel down an air hose which is not connected to an air tool or securely anchored, this may cause personal injury.

Ensure the air supply is turned OFF before connecting or disconnecting it from the air hose. Isolate it from the air supply before making any adjustments.

## GETTING STARTED

Double 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 load chain.

Check and confirm that the suspension/anchorage 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.

Check that the lifting hook assembly has not been looped between the chains. Looped chains will damage the equipment and may cause the equipment to fail during a lift.

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 Lift & Shift Depot.

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

