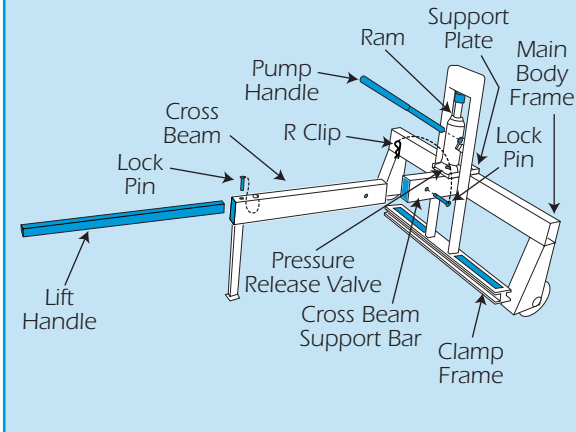


## Single Ram Model



Ensure the ram's pressure release valve/s is/are closed (turn fully clockwise using the end of the pump handle).

The force exerted by the hydraulic rams (up to a maximum of 3,000kg) creates a potentially dangerous situation when the seal is broken.

If great force is used, the assembly and man-hole cover will spring up when the seal is broken. NEVER place yourself in a position where you could be hit by the equipment or cover as the seal breaks. Using the pump handle, gradually pump the ram until the man-hole cover lifts. Where two rams are used, pump each simultaneously.

Take your time and don't overdo it. You are more likely to have an accident if you are tired or rushing.

## 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 equipment 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.

**Transport, store and operate the rams in an upright position.** If the ram is knocked over, check for signs of leaked hydraulic oil. If the ram has leaked do not use the equipment, contact your local HSS Lift & Shift Depot for a replacement.

**Never wheel this type of equipment over rough ground.** It damages the equipment and could prove to be extremely dangerous.

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

## FINISHING OFF

Move the man-hole cover clear of the opening, gently **lower the cover and remove the keys.** Disassemble the unit by reversing the instruction in GETTING STARTED.

Give the unit a final clean up ready for return, to your local HSS Lift & Shift Depot.



## ... have you been trained

The law requires that personnel using this type of equipment in the workplace must be competent and qualified 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)

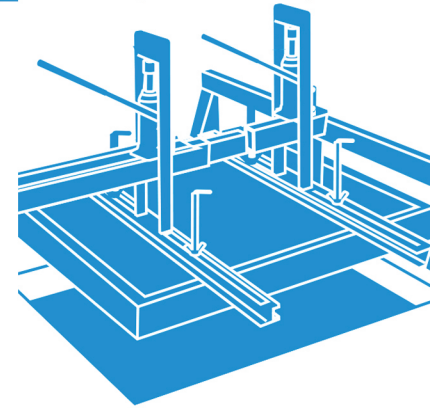
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[www.hss.com](http://www.hss.com)

## Operating & Safety Guide LS31

# HSS Hire



## Man-Hole Lifters

One man operated man-hole lifters. Single ram for applications up to 1,500kg and twin ram for up to 3,000kg.



Code 69314 / 5

## 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 and footwear.** Avoid loose garments and jewellery that could get in the way of the work, tie back long hair.



**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.**



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

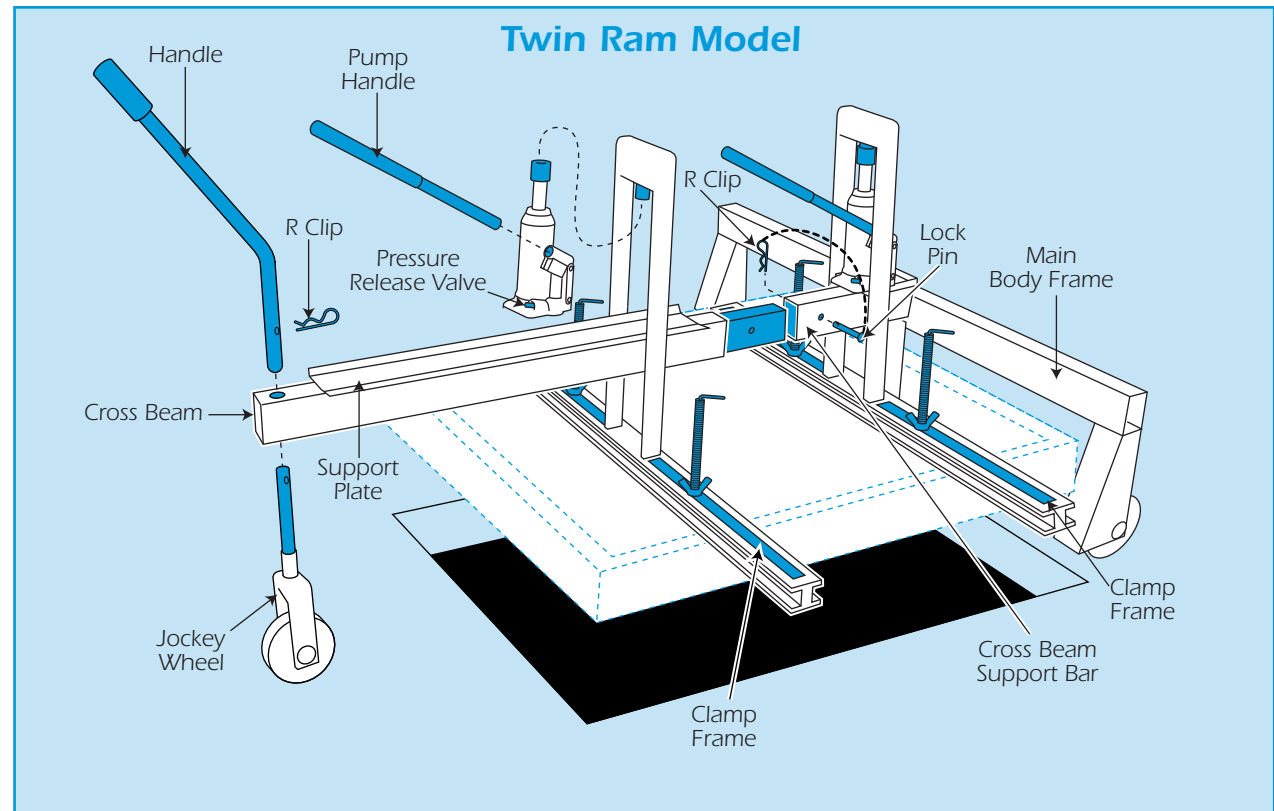
**Ensure the work area is well lit and ventilated,** if in doubt, ask about lighting and ventilation equipment at your local HSS Lift & Shift Depot.

## Confined Spaces Can Be Dangerous

**Do not enter until you have checked that it is safe to do so.**

**Gas detection equipment, fall arrest systems, escape breathing packs and safety lighting are available for hire from your local HSS Lift & Shift Depot.**

**Never exceed the equipment's safe working load of 1,500kg for the single ram model and 3,000kg for the twin ram.**



**Use the equipment only on firm, level ground.**

**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.

## GETTING STARTED

**Take the main body frame (fitted with castors) and place on its back with the crossbeam support bar uppermost.**

**Slide the crossbeam onto the support bar and insert the lock pin to hold it in place. Fit the 'R' clip to the end of the pin to hold it captive.**

**Lower the assembly into its operating position and slide the clamp frame/s over the crossbeam.**

**If using the twin ram model, insert the front jockey wheel onto the end of the crossbeam and the handle onto the jockey wheel, securing it in place with the 'R' clip.**

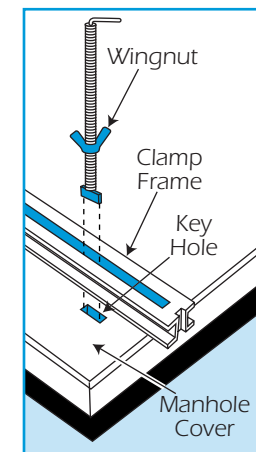
**If using the single ram model, insert the lift handle into the end of the crossbeam and secure in place with the lock pin.**

**Whichever you are using, place the ram/s onto the support plate, then raise the clamp frame/s and place onto the top or the ram/s**

## BASIC TECHNIQUES

**Wheel the unit to the man-hole cover and lower the ram/s, simply turn the pressure release valve 1 turn anti-clockwise using the end of the pump handle.**

**Manoeuvre the unit ensuring the slots on the clamp frame/s line up with lifting holes on the cover.**



**Select the correct keys (supplied) for the type of cover being lifted.**

**NOTE: DO NOT attempt to lift a cover using a single key.**

**Insert each key through the slots in the clamp frame and into the lifting holes, turn the key 90 degrees then wind down the wing nuts until under pressure.**

**Make sure that the lift pressure is balanced between each lifting hole to ensure a vertical lift. Uneven pressure will cause the cover to twist and could damage the equipment.**

# 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



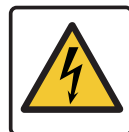
HAV Hand Arm Vibration



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



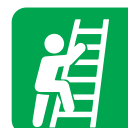
**Cf**  
Check Fuel daily



**Cw**  
Check Water daily



**Bc**  
Battery Care



**Sh**  
Safe Height Working



**Swl**  
Refer to Data Plate



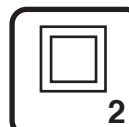
**V**  
Check Power Voltage Data Plate

## 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