

### If using a hydraulic toe jack...

First check that the unit has been fully lowered, to do this insert the end of the jacking handle over the pressure release valve (see illustration) and turn anticlockwise. The further the valve is turned, the faster the jack will lower, so start slowly if the jack is supporting a load.

As the load descends under its own weight, it can be held at any point by turning the pressure release valve clockwise.

Once lowered, retighten the release valve.

Before the jack is used, momentarily press down the breather button (see illustration), this will vent any trapped air in the hydraulic reservoir.

To raise the jack, select the appropriate multi-position handle point for the jacking handle. All that remains is to move the handle up and down until the required height is achieved.

### If using a ratchet jack...

First fully lower the jack ready for use, to do this raise the direction control lever and operate the ratchet lever until fully lowered.

To raise the jack, lower the direction control lever and operate the ratchet lever until the required height is achieved.

## BASIC TECHNIQUES

Place the jack under a suitable jacking point. Once in contact with the load, double check that the jack is set upright and that the base is in full contact with the floor surface.

Ensure there is a good area of contact between the ram head/toe plate and the load. Once fully satisfied that the jack is in a safe and effective position you may start to raise the jack.

Now carefully lower the load until the main supports take the weight then remove the jack.

## 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

Fully lower the jack and give the jack a final clean 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

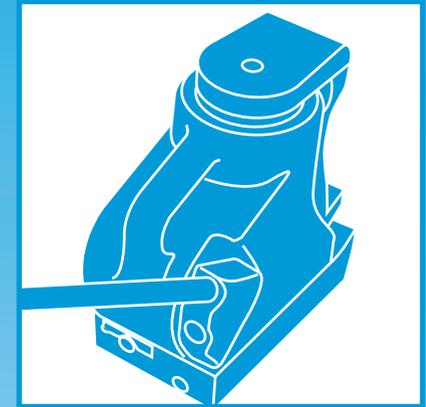
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## Operating & Safety Guide LS48

LS48/01

# HSS Lift & Shift



## Toe Jacks

Hydraulic and manually operated toe jacks, suitable for lifting machinery, rails and even prefabricated buildings.



Code 70305/08/10/12/14/18/25/27

## 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 hard hat. Avoid loose garments and jewellery that could catch in moving parts, 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, stable and that personnel stand clear of the raised load.

## Safety Warning

This equipment **MUST NOT** be used to lift personnel.

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.

Be aware of the raised load when close to ceilings or other overhead obstructions.

## Loading Safety

Bottle jacks are designed to lift, not support. Never leave them loaded for longer than necessary, and never leave them loaded and unattended.

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.

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

Comm Code	SWL top (tonne)	SWL Toe (tonne)
70305	5	5
70308	20	8
70310	25	10
70312	30	12
70314	35	14
70318	60	24
70325	5	5
70327	15	7.5

Do not use this equipment as the main support of a load. Never work under a load that is merely jacked up, it can be extremely dangerous.

Use the equipment only on a hard, level surface such as concrete.

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

There are two types of toe jack available from HSS Lift & Shift.

The toe plate is used and inserted under the load, where the item being raised is close to the floor.

The ram head is used when the jack can be placed fully under the item to be raised. Please note that you should remove the toe plate assembly when lifting a load in this way.

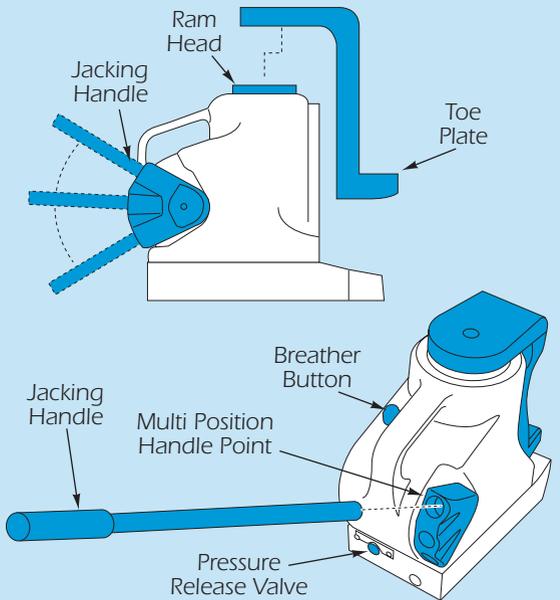
The 'toe' is used and inserted under the load, where the item being raised is close to the floor.

Ratchet Jacks...

These use a manual gearing mechanism to raise the load, rather than the power of hydraulics. The ratchet system is used for raising and lowering.

As with the toe jack, the unit is fitted with both a top plate and a toe.

## Hydraulic Toe Jack



## Ratchet Jack

