

Before taking cable from the drum check that the spindle is horizontal, if not, the drum will wander along the spindle.

Keep your hands and feet clear of the cable drum at all times.

Uncoil the cable slowly, if the drum rotates too quickly there is a risk of the assembly toppling over.

When finished, carefully lower the drum to the ground then remove the spindle.

## 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 drum, remove the spindle and give the equipment 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

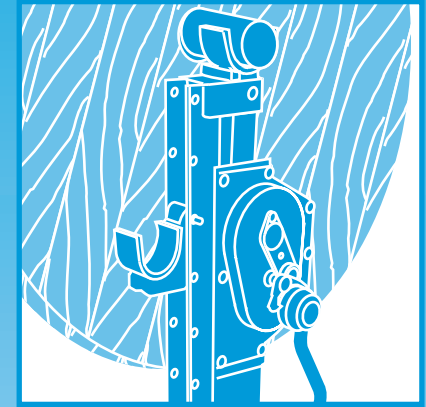
Fax: 020 8687 5001

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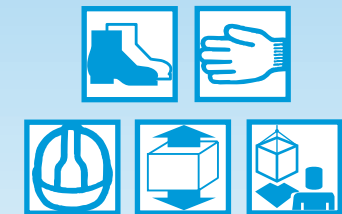
Web Site: <http://www.hss-liftandshift.co.uk>

# HSS Lift & Shift



## Cable Drum Rack & Pinion Jacks

Manually operated jacks, supplied in pairs, suitable for lifting cable drums of up to 1.6m in diameter and to a maximum of 20,000kg.



Code 70733/70734


## 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.

Never exceed the equipment's safe working load of 10,000kg per jack (20,000kg when used in pairs).

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.

Use the equipment only on a hard, level surface (such as concrete), capable of supporting the jacks and their load.

## Lifting Safety

HSS cable drum rack and pinion jacks are designed to lift and support, however, never leave them loaded for longer than necessary, and never leave them loaded and unattended.

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

Each jack has two heads one fixed at the top of the centre column the other fitted to the side.

The top centre column head is used for large diameter drums, whereas the side head is used on all small drums and its height can be adjusted as necessary.

The jacks are supplied in pairs complete with a spindle, ensure the spindle supplied is rated to suit the drum you are lifting. In if doubt, contact your local HSS Lift & Shift Depot for advise.

First fully lower the jack ready for use, to do this turn the ratchet handle clockwise until fully lowered.

To raise the jack, simply turn the ratchet handle anti-clockwise until the required height is achieved.

## BASIC TECHNIQUES

Position the cable drum so that when raised the cable feeds off from the bottom of the drum and not the top.

Insert the spindle through the centre of the drum. Ensure the spindle is long enough to allow a 100mm overhang on each jack, if not, contact your local HSS Lift & Shift depot for a replacement.

Place a jack either side of the drum and line the spindle up with the head of the jack.

If the fixed head on the centre column is too high, align the side head with the spindle. To adjust the side head's position, firstly hold the head and extract the lock pin.

Align the side head with the spindle and reposition onto the jack to the nearest location hole. Double check that the lock pin is replaced correctly.

Repeat with the second jack.

Raise both jacks equally until the drum is just off the ground, double check that the bases of both jacks are in full contact with the floor surface.

Once satisfied that the jacks are balanced and in a stable position you may start to raise the drum. Raise the drum a maximum of 150mm off the ground.

## Cable Drum Rack & Pinion Jacks

