

Continually check the path behind and in front of you to make sure there are no trip hazards.

Do not allow the load to travel at speed or change its direction of travel abruptly.

NEVER allow yourself or others to be in a position between the load and a wall or other fixed structures as you could become trapped and seriously injured.

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.

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

## FINISHING OFF

Raise the load and remove the skates, disconnect the tie bars from the two rear skates.

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



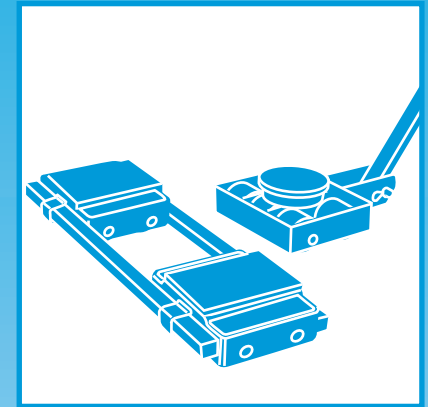
### ...any comments?

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: 0181-687 5001**

©HSS Hire Service Group Plc 1999 No. LS43/01  
Group Office: 25 Willow Lane, Mitcham, Surrey CR4 4TS  
Web Site: <http://www.hss-liftandshift.co.uk>

# HSS Lift & Shift



## Shifting Skates

A range of shifting skates for moving machinery from 6 to 60 ton.



Code 70406/12/14/16/20


## 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 catch in moving parts, tie back long hair.

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

## Safety Warning

This equipment **MUST NOT** be used to carry or 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.

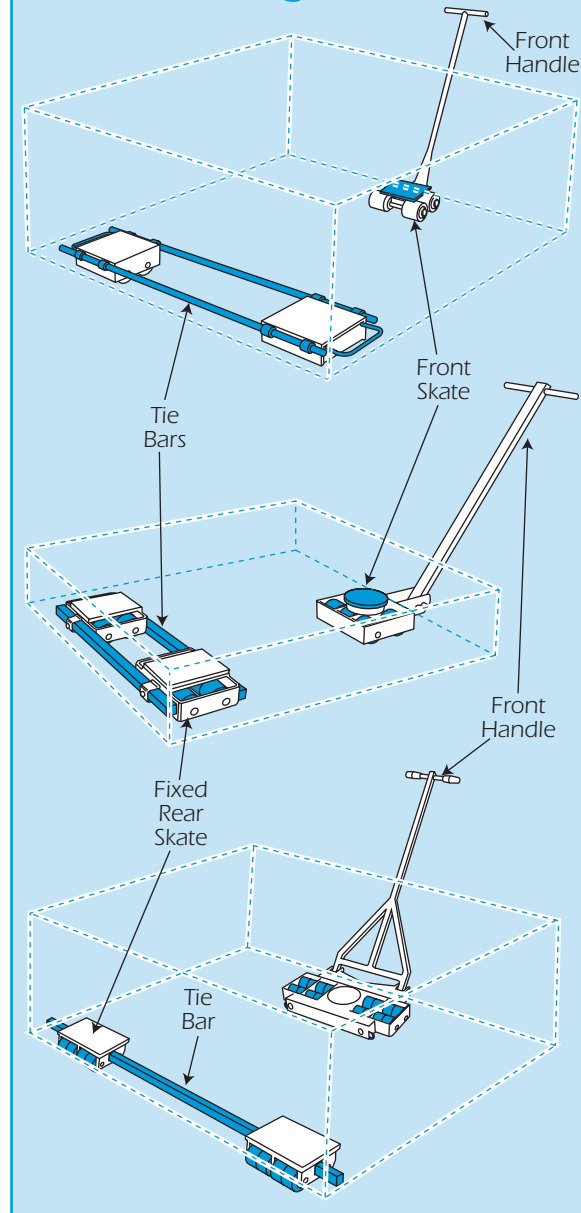
Make sure that anyone in the immediate work area is warned of what you are doing.

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

Comm Code	SWL	Never exceed the equipment's safe working load, the SWL is based on a SET of skates and NOT rated individually, see chart.
70406	6T	Check the condition of the equipment before use. If it shows signs of
70412	10T	
70414	20T	
70416	30T	
70420	60T	

damage or excessive wear, return it to your local HSS Lift & Shift Depot.

## Shifting Skates



## GETTING STARTED

This equipment must only be used on a smooth, hard surface capable of withstanding the weight of the load.

Thoroughly clear and clean the floor area to remove oil, grease and swarf.

Ensure you have selected a set of shifting skates that are designed for the item's weight.

Have to hand, any necessary lifting and pulling equipment needed for the job. HSS can offer for hire, various components depending on what you are trying to achieve.

The equipment available ranges from nylon and wire ropes, shackles, manual and hydraulic tirfor winches, to pinch rollers and toe jacks. For advice on the range of equipment, contact your local HSS Lift & Shift Depot.

Check that the route to the destination is clear and the surface is suitable for both the weight and the shifting skates.

Assess the load's design to determine the best position for the skates, the load must rest on the skates top pads.

The contact point of the load **MUST** be able to support its weight, I.E. A suitable jacking point, in the same way as jacking a car.

Determine the best position for the two fixed rear skates, then link them together using the tie bars supplied.

Simply slide the bars through the slots on the skate's body, and secure at the required distance with the lock bolts.

Raise the load using suitable jacks then place the rear skates in position, ensuring that the protective pads are in place.

Under no circumstances must anyone allow their hands or feet under the load, whether raised on jacks or set on skates. Where the skates need to be manoeuvred use a crowbar or similar.

Next place the front skate (fitted with a turntable) under the front of the load, again, ensuring that the protective pad is in place.

The skates should be in a position whereby the load will be evenly distributed and safely balanced.

Lower the load onto the skates and double check that everything is OK, make sure that the contact point between the load and skate is strong enough.

## BASIC TECHNIQUES

The handle on the front skate is only for steering the load, **DO NOT** use the handle to pull the load.

The front skate must not be steered with the load stationary, steering may only occur when the load is moving.

When the load is moving always position yourself so you can control the skates while staying clear of the raised load.