

BASIC TECHNIQUES

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

Lift the load a nominal distance to check balance and security of the load.

Lift slowly and carefully taking extra care if moving a load from horizontal to vertical.

Keep the chain slings vertical at all times.

Do not move the load at speed, ensure that any movement can be fully controlled. Lift the load as little as possible, keeping the load 'just off the ground'.

If guiding the load by hand, wear suitable protective gloves and only handle the load from the top. Keep hands and feet clear of the load at all times.

Where necessary, use tag lines to control long or bulky loads to prevent swinging.

Once raised lower as soon as possible, lowering the load slowly as fast lowering, may cause the clamp to loose its hold.

DO NOT leave the load suspended or unattended for any reason.

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

If the clamp or load is knocked during the lift, lower the load as soon as possible and check the clamp still has a firm hold before continuing.

The clamp can only be released when the weight of the load has been removed. To release, lower the load on to a suitable surface, then open the clamp's jaws by depressing the lifting eye and turning the locking lever fully clockwise.

Do not force or hit the locking lever for any reason, if the lever will not move or the jaws will not release, contact your local HSS Lift & Shift Depot for advice.

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.

Regularly inspect the clamp for signs of damage and deterioration.

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

Remove any lifting equipment from the clamp, then remove the clamp from the load.

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: 020 8687 5001

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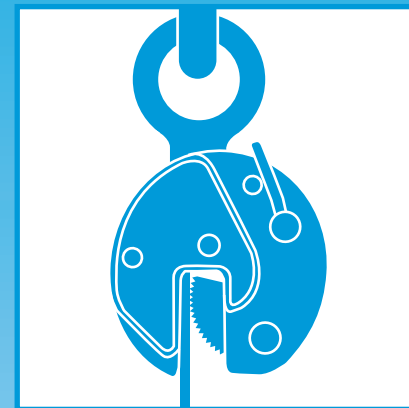
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Operating & Safety Guide LS65

LS65/01

HSS Lift & Shift



Universal Plate Clamps

A simple device for gripping sheet metal and plate, ideal when you have to either lift or turn over a load.



Code 69361/2/6/7


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.

 Join lifting equipment with a 'D' shackle.

 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.

The HSS universal plate clamp is designed to be used on structural steel plates and sections with surface hardness up to 300 Brinell (32RHC). If you are unsure of the hardness of the item you wish to lift or turn, contact the manufacturer / supplier for advice.

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.

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

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).

The load must be a minimum of 20% of the equipment's SWL.

For example...

If the clamp's SWL is 1,000kg, the load must be at least 200kg in weight.

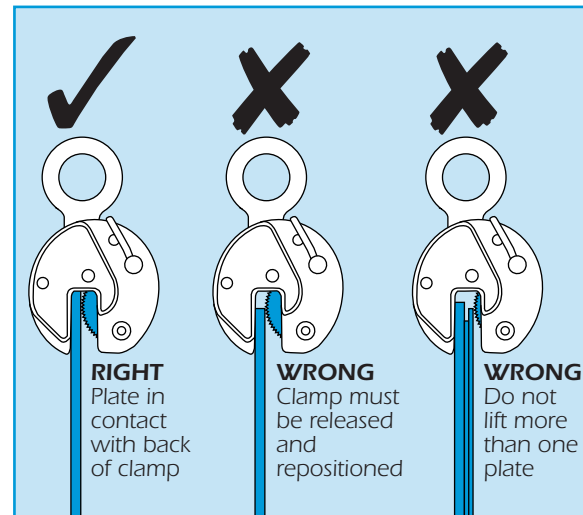
Take great care when raising material whose thickness is less than 20% of the clamp's maximum jaw capacity.

For example...

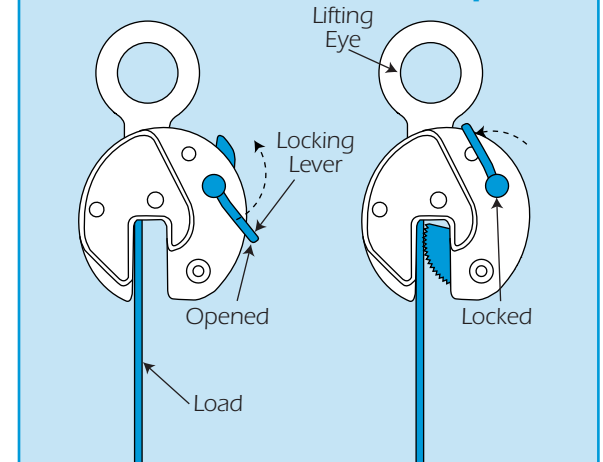
If the clamp's maximum jaw capacity is 20mm, take extra care with material whose thickness is 4mm and less.

Comm Code	SWL (kg)	Jaw Capacity (mm)
69361	1,000	0 – 20
69362	2,000	0 – 32
69366	6,000	0 – 50
69367	6,000	50 – 100

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.



Universal Plate Clamps



GETTING STARTED

Take the unit to the area where it is required and double check the following...

The clamp you have hired is rated at the SWL required for the job.

The loads weight is at least 20% of the clamp's SWL (see GENERAL SAFETY).

The clamp has a sufficient size jaw opening for the item being lifted (see chart).

The lifting equipment has been tested and is capable of supporting the clamp and its load.

The item being lifted is hard enough for this method (do not use on soft material such as copper or brass).

The item being lifted is made of mild steel, free from grease, liquid, scale or paint.

Attach the clamp to the lifting equipment using a suitably rated chain sling, available for hire from your local HSS Lift & Shift Depot.

Lock the clamp's jaws open by depressing the lifting eye and turning the locking lever fully clockwise (see illustration).

Offer the clamp to the load and insert to the full depth of the clamp's throat.

Position the clamp over the load's centre of gravity so the load is evenly balanced. Do not attach to more than one piece of material.

Turn the locking lever anti-clockwise to the LOCK position to bring the clamp jaw in contact with the load, then check that the clamp is secure and correctly positioned.