

## 1511-MANHOLE COVER LIFTER



The 1511 Hydraulic manhole cover lifter has been designed to meet general requirements of lifting and moving manhole covers whilst being flexible and easy to store thanks to its quick release parts.

Using quality components the 1511 can be set for 2 or 4 key lift. Ask when ordering for full details

Appearance may vary from picture above.

Product Code	SWL (kg)	Maximum Cover Size (mm)	Weight (kg)
1511	1500	900 x 900	29

**NOTES**

## SAFETY FIRST

The following instructions must be read and understood by each intended user of this equipment; if there is anything you do not understand contact Eichinger Equipment Ltd. Ensure the equipment is adequate for the job you need to carry out.

You must not operate this equipment if you are under the influence of alcohol, drugs or if you are feeling unwell.

A risk assessment should be carried out prior to moving or using this equipment.

The following PPE (Personal protective equipment) should be worn when using this equipment, Gloves / Goggles / Hard Hat / Steel Toecap boots / Hi-Vis Vest.

We also suggest suitable clothing should be worn.

Familiarise yourself with the equipment, its use and how it works!

This equipment must always be used in conjunction with your site safety policies!

## PREPARATION

The work area must be clear of obstructions with adequate space for the operative to work safely around the equipment.

Check and ensure the equipment is inspected and in a safe condition prior to its use. Also ensure that its load is stable and secure.



### WARNING

Ensure the area has been secured prior to commencing start of works to ensure there is a minimum risk of injury

## USING THE EQUIPMENT

Clean the debris from the keyholes in the manhole cover and choose the correct size and orientation of key for the cover. Ensure that they are inserted correctly in the keyholes.

Move the 1511 manhole cover lifter over the cover. Ensuring the slide hooks have been positioned in line with the lifting eyes on top of the keys, finally attaching the keys to the hooks.

**LIFTING THE COVER \*\*Max Lifting Capacity 1500KG\*\***  
Insert the pump handle in to the hydraulic cylinder pump first ensuring that the release screw on the pump is closed. Proceed to lift by operating the handle.

Whilst pumping ensure, that the keys are pulling square to the cover. If they do not pull squarely, stop and re-position the keys and hooks, to ensure an even lift. Once the keys are under tension the cover should begin to lift from the frame, in the event the cover becomes stuck tap around the edges with a hammer in order to free the cover \*It may be necessary in some cases to clear mud and grit from the "seal" around the edge of the cover using a scrapper blade in order for it to be lifted Continue pumping until cover is clear of aperture.

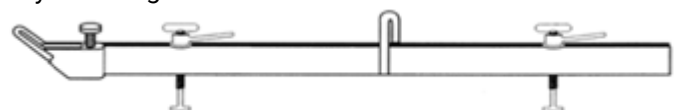
Wheel the cover away from the open manhole and lower the cover on to the ground nearby. When replacing the cover, position it over the manhole frame and lower into place slowly using the release screw on the hydraulic cylinder pump. \*The drop rate is controllable by release screw. Continue lowering until hooks can be disconnected from the keys.

If using the 1511 manhole cover lifter for manholes with 4 "key holes" you will require the universal spreader bars. Insert the four "Threaded Keys" into either end of the two spreader bars.

Hang the spreader bars on the lifting hooks of the unit and then (with the unit in the lowered position) wheel the 1511 into position over the cover. Insert the keys into the key holes and wind the tightening nut until "finger tight". Begin pumping as for the 2 key lift again ensuring the keys are all pulling squarely.

Once work has been completed clean the 1511 and all appropriate parts used. The unit is then ready to be stored in doors ready for the next user.

Universal spreader bar shown with standard keys in place ready for lifting the manhole cover



Standard ring top manhole lifting key available as "P" or "R" types to suite holes being parallel or right angles to the cross bar on the 1511

