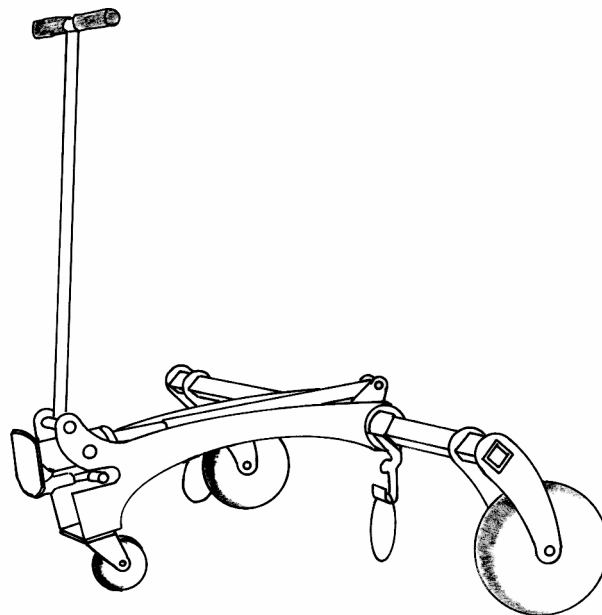




# OPERATING INSTRUCTIONS

## Manhole cover lifter 1511



### **1. INTENDED USE**

The manhole cover lifter 1511 may only be used to lift manhole covers. The hydraulic system allows for easy and safe lifting, even when the manhole cover is stuck. The manhole cover lifter can be dismantled into separate parts for easy storage. Any other use is prohibited. Operators must comply with all applicable safety and accident prevention regulations.

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To prevent accident-related risks, do not:

- Exceed the specified load capacity.
- Allow persons anywhere beneath the load or within the danger zone.
- Transport manhole covers with dimensions which do not correspond with the technical data of the grab, or transport any other unauthorized loads.
- Subject the grab to inclined stress or inclined lift loads.
- Jerk, jolt or swing the load.
- Load unevenly.

## 2. TECHNICAL DATA

The manhole cover lifter 1511 may only be used to lift manhole covers. The hydraulic system allows for easy and safe lifting, even when the manhole cover is stuck.

Type	Load capacity	Width	Height	Length	Weight
1511	1500 kg	1250 mm	250 mm	1100 mm	28 kg

## 3. SAFETY

- Only persons familiar with the device may operate it.
- Every operator must read and understand the operating and safety instructions before using the device for the first time.
- Always be safety-conscious.
- Never exceed the specified load capacity.
- Where any defects affect safety, stop using the device. Do not use it again until the defect has been rectified.
- Do not remove the rating plate. Replace illegible or damaged plates.

### ➤ **ORGANIZATIONAL SAFETY-RELATED MEASURES**

- Only trained or instructed persons may operate the device.
- Check regularly that safety regulations are complied with.
- The operating instructions must always be kept on hand at the place of use.
- Keep the device clean.

### ➤ **VISUAL INSPECTION AND FUNCTION TEST**

- Check that the lifter works properly and is in proper condition every time before use. Where any defect affects safety, stop using the device until the defect has been repaired!
- Check that screw and bolt connections are secure.
- Do not use the device if there are any cracks, deformations or other types of damage.

### ➤ **INSPECTION OBLIGATIONS**

- Before the grab is put to use:

The owner must ensure that the device is inspected by a suitably qualified person and that all defects found in the inspection are rectified immediately.

- Regular inspections:

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The owner must ensure that the device is inspected by a suitably qualified person at regular intervals not exceeding one year in frequency and that all defects found in the inspection are rectified immediately.

▪ Extraordinary inspections:

The owner must ensure that the device is inspected by a suitably qualified person after an accident or after any event that could influence the lifters load capacity, as well as after any repair has been performed.

▪ Inspection proof:

The owner must keep track of all inspections. We recommend that inspections and repairs should be carried out by the manufacturer.

## **4. INSTALLATION AND OPERATION**

### I. Installation:

- a) Slide the guiding tube to the middle of the main beam and fasten with the screw.
- b) Slide the two hook holders on the main beam from both sides.
- c) Slide the two wheel brackets along the main beam from both ends and fasten with the screw. Make sure that the guiding tube, the hook holder and the wheel brackets are positioned correctly in relation to one another.

### II. Operation

- a) Insert the appropriate hooks in the openings of the manhole cover and lock in place.
- b) Move the manhole cover lifter into position over the cover and move the two hook holders vertically over the two hooks.
- c) Insert the two hooks into the holders.
- d) Take the pump lever out of the transportation holder and close the outlet screw.
- e) Insert the pump lever in the guiding tube of the pump. Slowly lift the manhole cover by working the pump lever.
- f) The cover should lift as soon as the lifting hooks are under load. If this should not be the case and the manhole cover is stuck, strike the corners of the manhole cover with a hammer to loosen it.
- g) Once the cover has been lifted, move the manhole cover lifter away from the shaft. Slowly unscrew the outlet screw and lower the cover to the ground with the pump lever. To avoid any risk of crushing fingers, make sure the cover can not roll away.
- h) To put the cover back on the shaft, lift the cover, move it into position and slowly open the outlet screw.
- i) Lower the manhole cover lifter until the two hooks can be taken out of the holders.

### III. Storage

- a) Fully close the outlet screw (otherwise the device may lose oil) and lock the pump lever in the transportation holder.
- b) Release the two wheel brackets and hook holders from the main beam. Unscrew the screw and slide the guiding tube off the main beam. The manhole cover lifter can now be transported and stored with ease.

## **5. MAINTENANCE**

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- Use only genuine Conquip spare parts
- Keep the device clean at all times
- Protect the device as a whole from moisture and from getting wet

A qualified person must check the grab before it is put to use and perform maintenance regularly. Joints must be kept clean and well maintained. Careful maintenance will increase the manhole cover lifters life span and increase safety on the construction site.

- ❖ Upon delivery: - Check for completeness
- ❖ Before every use: - Check that all moving parts move smoothly  
- Check that all parts are well attached and check for deformations and cracks in welding seams  
- Check that the hooks are not deformed
- ❖ Weekly: - Check that all screw and bolt connections are secure: Tighten if necessary
- ❖ Monthly: - Grease all bolts and joints  
- Check that the pump is not leaking. Top up hydraulic oil if necessary.  
- Rectify any damage to paint.

## 6. TROUBLESHOOTING

In the event of equipment failure, check this table first:

<b>Fault</b>	<b>Clearance</b>
Lifter does not lift	a) Check that it has been assembled correctly b) Make sure the outlet screw is closed c) Top up hydraulic oil if necessary
Device does not lower itself	Make sure the delivery screw is open
Oil leaks	Close the delivery screw

Please contact us if this table does not help you solve your problem. 0208 8850 5658

## 7. REPAIRS

- Repairs may only be carried out by a suitably qualified person or the manufacturer.
- Only genuine spare parts may be used and no modifications or conversions of any kind are permitted, otherwise the warranty will be deemed to be void.
- Before recommissioning, a special inspection by a suitably qualified person is required.

## 8. INSPECTION OBLIGATIONS

The company must ensure that the device is inspected by a suitably qualified person at regular intervals not exceeding 6 months and that all defects found in the inspection are remedied immediately.

Type:	
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Serial No:	
Year manufactured:	
First used:	

Date	Findings of inspection	Name of qualified person	Signature of qualified person
	Inspection before use for the first time:		
	Regular inspection:		
	Regular inspection:		
	Regular inspection:		
	Regular inspection:		
	Regular inspection:		
	Regular inspection:		
	Regular inspection:		
	Regular inspection:		