



LIBERATOR XL

INTENDED USE – TECHNICAL DATA

Liberator XL is intended to facilitate the relocation, fitting and removal of deep tread tyres on tractors, plant machinery, dumpers, etc. Liberator XL is not designed for lifting or supporting the vehicle. The work surface must be flat, firm, horizontal and non-slip, without holes or obstructions.

Max. load	1200 kg
Wheel diameter, min–	1100–2200 mm
Max. wheel width	1200 mm
Width (inflated)	1260 mm
Depth (retracted)	1060 mm
Height, wheel support in the lowest position	1360 mm
Tare weight	123 kg
Travelling wheel	150x40 mm

These instructions must be available for trained personnel, be kept in a protected area and accompany the product if it is moved to another workplace.

SAFETY REGULATIONS

Only trained personnel are allowed to use the wheel removal trolley! This training means that you are obliged to read the instructions and follow them! As the user, you are responsible for making sure that no one is injured.

It is very important that you read and understand the instructions before you use the wheel removal trolley.

If you have any questions, contact the supplier.

- Use the wheel removal trolley for its intended use only.
- Check that the trolley is in working order. Report any defects to management. The wheel removal trolley must not be used if any damage or faults have occurred which affect operational safety and reliability, or if it has been repaired, modified or adjusted without the authorisation and approval of the person in charge.
- It must be operated in such a way that risk of personal injury and damage to property does not occur.
- Do not lower the trolley if the space underneath it or the load is not free from people or obstructions.
- Note the risk of crushing between support rollers, support rollers and frame, and between the wheel and other components of the machine.
- Use protective footwear and, if required for the task, protective gloves and clothing.
- Extension or other modification of the design of the wheel removal trolley is strictly prohibited.
- Use of the wheel removal trolley for wheels other than those the wheel removal trolley is intended for (larger diameter, wider, heavier) is strictly prohibited.
- The load's centre of gravity is assumed to be in the centre of the trolley. Lateral forces are not permitted.

- Do not use the trolley as a jack for lifting vehicles.
- The wheel support (D) and clamp support arm (E) are only to be used for balancing the wheel, not for carrying a load. The horizontal section should be positioned approx. 20 mm above the internal wheel face, and the support wheel should align with the tyre's smooth side wall.
- The wheel removal trolley should only be used on dry and non-slip horizontal surfaces. Use of the wheel removal trolley on slopes is strictly prohibited.
- Never drive the wheel removal trolley over edges etc. when loaded. The entire unit may overturn.
- Make sure that the wheel is stable before carrying out work with the trolley and when moving it by using the wheel support. This should be set to the dimensions of the wheel being worked on.
- It is of the utmost importance for safety purposes that the wheel removal trolley is secured with the locking mechanism (F) on the inner tube's closest outer hole. If the wheel removal trolley comes apart the wheel may roll out.
- The wheel removal trolley should be pumped fully apart when the oil reservoir cap (G) is removed. If this is not done, there is a risk of excess pressure in the tank which may cause an oil spurt when the oil reservoir cap is undone.
- Any fluid spillage or spillage of other substances must be cleaned up immediately to avoid the risk of slipping. Use protective gloves when doing this as oil may cause allergic reactions when it comes into contact with skin.
- Signs and markings should not be removed or rendered unreadable.
- The Swedish Work Environment Authority's regulations must be observed.
- Take the used oil to your local recycling centre for environmentally hazardous waste where it will be disposed of safely.

WARRANTY

In accordance with the warranty conditions in NL-01, the manufacturer will rectify free of charge any defects which can be considered manufacturing or material defects and which occur within twelve (12) months of delivery. For more detailed conditions, see NL-01.

CAUTION Other warranty conditions may apply. See the relevant orderconfirmation for applicable conditions.

For the warranty to be valid, checks and maintenance must be carried out in accordance with the instructions. This warranty does not cover the costs of normal maintenance or periodic adjustments in accordance with the instructions. Labour costs for such actions are not covered by the warranty either.

Injuries caused by the abuse or incorrect use of this equipment will lead to this warranty being declared void.

CE DECLARATION OF CONFORMITY

Gothia Redskap declares that the wheel removal trolleys fulfil the basic safety requirements detailed in the EU Machinery-Directive (2006/42/EU, the Swedish version in AFS 1994:48).



Gothia Redskap AB, S-590 33 Fornåsa, Sweden

Tel. +46 (0)13-39 32 00 Fax +46 (0)13-39 32 72 E-mail: gothia@gothia-redskap.se



LIBERATOR XL

GENERAL DESCRIPTION

The lifting movement is achieved by a two-stage pump which operates a double-acting hydraulic cylinder. The hydraulics are built into one unit and mounted to the interior of the frame. The wheel due to be dealt with is lifted up when the carrying rollers are pushed in underneath it. The wheel is balanced using a telescopic wheel support.

DELIVERY AND ASSEMBLY

Liberator XL is delivered with the wheel support, clamp support arm, pump lever and instructions holder unassembled. In some circumstances the wheels and pulley brackets may also be unassembled on delivery. Assemble the unassembled components and make sure that the relevant fixing components are fitted.

USER INSTRUCTIONS

When using the unit in a public environment, especially where children may come into the area where the machine is in operation, the operator must take adequate measures to ensure that people do not enter the area of risk e.g. by cordoning off the work area.

The vehicle is lifted and secured with a jack and secure support. Release the lowering pedal (A) from safety catch (B), then press down the lowering pedal. Pump the wheel removal trolley apart using the pump lever (C). Switching between low pressure (quick lift) and high pressure occurs automatically when loaded.

Adjust the wheel support (D) so that the clamp support arm (E) is over the wheel that is to be dealt with.

Slide the wheel removal trolley in under the wheel.

Check that the lowering pedal (A) is in its upper position and locked by the safety catch (B). Then pump the wheel removal trolley together until the wheel and the trolley cannot be separated. **The wheel must not be lifted in this position.**

Fold the clamp support arm (E) behind the wheel, at a perpendicular angle towards the wheel's direction of rotation, and adjust until the wheel is vertical and can move max. 5 cm sideways. Lock the clamp support arm.

CAUTION The wheel support (D) and clamp support arm (E) are only to be used for balancing the wheel, not for carrying a load or horizontal forces.

Then lift up the wheel.

When a wheel is placed on the wheel removal trolley, even for a short time, the trolley must be secured using the locking mechanism (F) on the inner tube's closest outer hole. This will prevent involuntary lowering of the wheel.

SIGNS

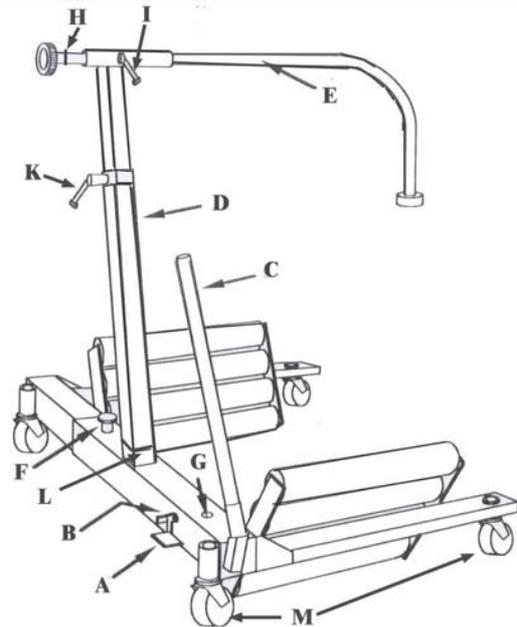
The machine is fitted with the following signs: Name plate with address, load information and CE mark.

Clamp support arm sticker placed on the wheel support (D).

Locking mechanism sticker placed on the lock (F).

Flat surface sticker placed next to the oil reservoir cap (G).

Instruction manual sticker placed on the pipe for the Manual.



A Lowering pedal	D Wheel support	I Width adjustment clamp
Up = pull together	E Clamp support arm	K Height adjustment clamp
Down = push apart	F Locking mechanism	L Pin
B Safety catch	G Oil reservoir cap	M Swivel casters
C Pump lever	H Washer	

CARE INSTRUCTIONS

The trolley should not be loaded when inspected, serviced or repaired. Inspection, servicing and repairs must be carried out by competent personnel.

Checks and repairs carried out must be documented in a log book. This includes: Date of overhaul or repair, check status and repair carried out as well as information about who carried out the overhaul or repair.

- Check the machine for any kind of defects, cracks, buckling, corrosion, etc. and check that all locking devices are in place and correctly secured.
- Check the machine for oil leakage.
- Check that all stickers are readable and where they should be.

When refilling the oil the wheel removal trolley should be pumped apart to its widest possible position. **The oil reservoir cap must not be removed because there is excess pressure in the system.**

(CAUTION: If there is too little oil, the wheel removal trolley cannot reach its outer position.) Then the oil reservoir cap (G) can be removed. As the oil is refilled, the wheel removal trolley should be pumped apart. When the wheel removal trolley reaches its outer position, no more oil should be added. The oil reservoir cap (G) should be replaced when the wheel removal trolley is in its outer position. It is easiest to top up the oil using an oil can.

The oil should correspond to hydraulic oil grade ISO VG 15.

RECYCLING INSTRUCTIONS

The machine is made from recyclable materials or from materials which can be reused. Specialist companies take care of used machines, dismantle them and process the materials that can be reused.



Gothia Redskap AB, S-590 33 Fornåsa, Sweden

Tel. +46 (0)13-39 32 00 Fax +46 (0)13-39 32 72 E-mail: gothia@gothia-redskap.se