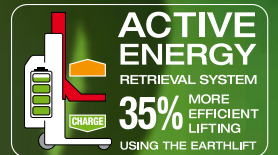


WIRELESS MOBILE COLUMN LIFT

# Earthlift

Capacity 18,000 lbs



# KONI

# stertil



**STERTIL**  
SUPERIOR SOLUTIONS BY  
QUALITY PEOPLE

# Superior solutions by quality people



The Stertil group provides customized and technically advanced lifting solutions for heavy-duty customers worldwide, as well as the best possible after-sales service from factory trained local distributors. These superior solutions are conceived, developed and implemented by a team of industry experts with years of field experience. Stertil-Koni is a worldwide leader in the field of mobile column lifts as a result of its quality people, in house research/development and global focus.

The Stertil Group provides customized and technically advanced solutions for heavy duty lifting requirements and dock equipment for customers throughout the world, including the best possible service from skilled local partners. These superior solutions are conceived, developed and implemented by a team of professional specialists with unique expertise. Thanks to the quality of its people, its entirely in-house production and its international organization, Stertil-Koni is number one in the field of heavy-duty mobile column lifts in the world.



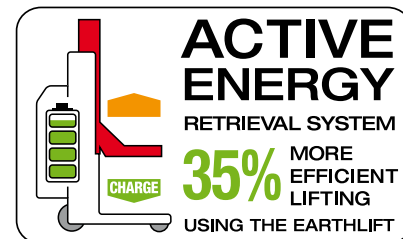
## Work safely and efficiently without cables

The Stertil-Koni Earthlift works fully wireless, using an exceptionally reliable system. This has been specially developed for industrial applications and is not susceptible to interference. The absence of cables gives the mechanic the maximum access to the vehicle, with no risk of tripping. It also makes the installation of the columns quicker and more simple.

# The Stertil-Koni Earthlift

## The superior solution for saving energy

Stertil-Koni introduces the Earthlift mobile column lift, using the patented Active Energy Retrieval System. Thanks to this unique system, the Earthlift will do 35% more lifting cycles at maximum load than existing Stertil-Koni wireless mobile column lifts, which means that you will need to charge the batteries considerably less often. This will mean an increase in productivity at the workshop.



## The 'green' standard in lifting technology

The Earthlift is the most environmentally friendly wireless mobile column lift in the world, setting the 'green standard' in the industry internationally. It combines socially responsible business practices with the highest possible level of ease of operation and efficiency. The column is made of components that are 98% recyclable, the closed hydraulic system contains biodegradable oil, the electronics meet the RoHS norms and the batteries can be completely recycled. The variable raising and lowering speeds make it possible to position the vehicle extremely accurately, which is ideal when replacing a gearbox.





# Ready for the future



## Simple recharging with 110V

Each column has two standard deep-cycle marine batteries that can be charged overnight from a single-phase 110V source. Up to 35% of the energy used during lifting is reclaimed. The number of lifting cycles depends on the load, less weight means more lifting cycles.

## Flexible connectivity

Linking multiple columns together allows the overall lifting capacity to be expanded as required, no special modifications are needed. The wireless system allows a maximum of 8 columns to be connected together into a single configuration. This can be done amazingly quickly, simply and reliably using the ID Key.

## Unique synchronization

This ensures a safe, smooth lifting and lowering cycle, even in the event of an extremely uneven load distribution of the vehicle.

## Choice of lifting and lowering speeds

A switch can be turned to set the continuously adjustable lifting and lowering speeds. This makes extremely accurate positioning possible.

## Super single tires

The standard length of the pick-up forks is 14". This means that it is possible to safely pick-up vehicles with "super single tires".

## Suitable for virtually all wheel diameters

The desired width of the pick-up fork on the Stertil-Koni Earthlift is routinely set using a straightforward and reliable system. This means that wheel adapters are not necessary. The Stertil-Koni is capable of lifting vehicles with a wide range of wheel diameters.

## Clearance

The clearance between the column and the vehicle is 10", therefore avoiding the vehicle contacting the column in case of an air suspension failure.

## Innovative

Various programming options, such as an adjustable maximum lifting height and an integrated fault diagnosis system provide greater ease of use and efficiency, both in terms of use and maintenance.

## Weight indication system

The Stertil-Koni Earthlift continually measures the pressure in the hydraulics system. The internal processor converts this pressure into an indication for the load on the column, which is then shown on the display.

## Superior operating system

Each column has a control box from where the system can be operated individually, in pairs, or simultaneously. An electronic display gives the user information such as battery level and lifting height. A battery in the display indicates when the Energy Retrieval System is activated. The operating system uses 24V DC low voltage, is splash-proof (NEMA4) and complies with the regulations of EN 954 1 and the future EN ISO 13849 1.



# Options for superior customization



## Lifetime guarantee

The synthetic runner wheel system is self-lubricating and therefore does not require any maintenance. This runner wheel system comes with a lifetime parts guarantee.

## Retractable wheels

Is your workshop floor not in optimal condition? Stertil-Koni has the best retractable wheel system available on the market. The system works reliably and fast thanks to the pallet truck mechanism. Unlike the elementary spring loaded systems available on the market, the Stertil-Koni system exerts no upward force on the base frame of the column. The pressure on the floor surface is reduced by a factor of 10. Compared

to the fixed steel wheels that are still widely used in the market, this accounts for a 50% reduction in the pressure on the floor surface.

## Highest safety standards

- Independent mechanical locking system engages at 5 inches above finished floor. Lock pawl engaged by gravity. The locking system is always active, even when the column is turned off.
- Locking profile with increments of just 1 3/8".
- Synchronization between the columns starts at a 5/8" height difference.
- Automatic protection against overload.
- A hose burst safety device.
- Each individual mobile lifting column is tested prior to leaving the factory.

## Options for superior customization:

### Special versions

Special wider versions are available for large wheel diameters (R24.5/63").

### Base frame extensions

Base frame extensions in combination with fork extensions (20" long) to lift recreational vehicles with in-set wheels are available.

### Forklift adapters

The combination of 2 columns with special tracks (with a drive-on height of just 4 6/8") allows a forklift to be lifted safely.

## Traverse beams

Various traverse beams are available for lifting vehicles by the chassis.

- for wheel-free lifting of trailers
- for lifting the trailer at the king-pin coupling
- for lifting extremely low vehicles e.g low-floor buses
- special versions on request.

## Lighting

Our specially developed LED lighting is unique. The lighting tubes themselves are solid and virtually unbreakable. The light from the tubes can be directed because of the special mirror profile. The LED lighting requires a low power consumption from the batteries and therefore does not require a separate power supply.

## Technical specifications

- Lifting capacity: 18,000 lbs
- Lifting system: hydraulic lifting system with microprocessor-controlled synchronization
- Lifting height: maximum 73", automatically switched off at the highest position
- Lifting time: 89 seconds
- Motor rating: 3 hp per column
- Weight: 1375 lbs per column
- Column lift height: 102"

## Highest safety requirements

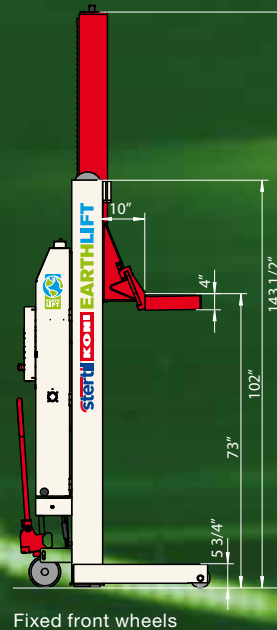
- ANSI/ALI-ALCTV certified (USA), CSA certified (Canada), CE certified (Europe)
- Independent mechanical locking system engages at 5 inches above finished floor. Lock pawl engaged by gravity. The locking system is always active, even when the column is turned off
- Locking profile with locking increments of just 1 3/8 inches
- Synchronization between the mobile lifting columns starts at a height difference of 9/16 inch
- Automatic overload protection
- Low voltage control panel
- Each column is equipped with a dead man's switches
- Each individual mobile lifting column is tested prior to leaving the factory
- Splash-proof electrical system (NEMA4)

## Accessories & options

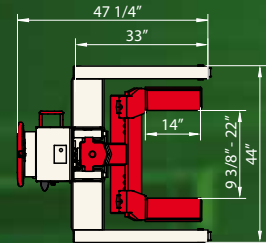
Stertil-Koni offers an extensive package of accessories & options tailored to fit your specific needs.

Our in-house R&D department will be pleased to tailor a specialty lifting solutions to meet any customer demands.

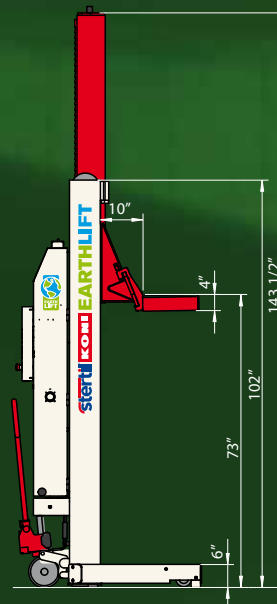
\* Technical specifications are available at: [www.stertil-koni.com](http://www.stertil-koni.com)



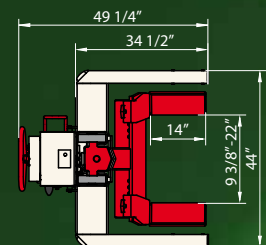
Fixed front wheels



Adjustable fork



Retractable front wheels



Adjustable fork

## For more information

Please contact us for more details or for specific information about the Stertil-Koni Earthlift or any of Stertil-Koni's other quality products. We will be pleased to give you individual advice on a superior solution.



Stertil-Koni U.S.A. Inc.  
 200 Log Canoe Circle  
 Stevensville, Maryland 21666  
 Tel. 410-643-9001  
 Toll free 800-336-6637  
 Fax 410-643-8901  
[www.stertil-koni.com](http://www.stertil-koni.com)  
 E-mail: [lifts@stertil-koni.com](mailto:lifts@stertil-koni.com)