

MOBILE COLUMN LIFT

# ST 1085 - ST 1100

Capacity 18,500 lbs.  
or 22,000 lbs.

**KONI**

**steril**



SMART CONTROL SYSTEM

**STERIL**  
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 partners. These superior solutions are conceived, developed and implemented by a team of specialized professionals with unique experience. Thanks to its quality people, its total in-house production process and its international organization, Stertil-Koni is the world leader in the field of heavy-duty vehicle lifting systems.

## Wireless...

Our wireless mobile column lifts with the ebright Smart Control System represent the latest in mobile column lifting technology. Using the innovative ID key, you can connect up to 32 columns in a single lift set. In most cases, the special deep cycle batteries only need to be recharged every two weeks. No time is wasted connecting up cables and the mechanic has maximum access to the vehicle, without any tripping hazards.

# Wireless mobile column lifts

## with **ebright Smart Control System**



TOUCH SCREEN



WIRELESS



### ... or cabled, it's up to you

If you predominantly work in a fixed location the cabled mobile column lifts could be the best solution for you. This setup offers the possibility to connect up to 32 columns in a single lift set. All interconnection cables are equipped with heavy-duty plugs at both ends. Both the wireless and the cabled column lifts are equipped with a control panel on each individual column. Columns can be operated individually, in pairs or simultaneously as a complete set with the touch of a button. Each column can therefore be used at any given location.

### Full color touch screen control

The revolutionary **ebright Smart Control System** combines intuitive ease of use with maximum visual information about the lifting process. The main advantages:

- 7" full color touch screen, works even when wearing gloves
- User-configured options, such as choice of language, safety warnings and scheduled maintenance notifications
- All relevant information available at a glance
- Customizable ID-Key to prevent unauthorized operation
- Wireless Mesh network for optimal connectivity



## Reliable hydraulic technology

- Extended column life and minimal maintenance thanks to low-friction design
- Stringent testing before leaving the factory
- Manual lowering in case of a power outage
- Maximum protection of the cylinder and seal against damage

## Adjustable pick-up forks

ST 1085 mobile column lifts have a fork length of 14", ideal for picking up a variety of vehicles, including vehicles with super single tires in a safe and secure manner. The fork length for the ST 1100 mobile column lift is 12". Both models can handle wheels with rim diameters from R12 to R22.5 with an adjustable fork that is easy to move manually and includes a mechanical lock.

## Retractable wheels

Both the wireless and the cabled mobile column lifts are available with retractable wheels. This unique Stertil-Koni design is the best available on the market. This prevents high point loading on the floor and reduces the floor surface pressure by a factor of 10. The system is fast, efficient, very stable and extremely reliable.

## Adjustable lowering speed

If you need to lower the vehicle more slowly for precision placement of under carriage components, this is easily done with a single touch.

## Power supply

The Stertil-Koni wireless mobile column lifts operate on 24 VDC and are easily recharged by means of a 110 VAC wall receptacle. The Stertil-Koni cabled mobile column lifts operate on three phase at 208/230, 460/480 and 575 VAC, as well as single phase at 220 VAC.

## Fast lifting and lowering

The ST 1085 and ST 1100 only take 94 seconds to reach its maximum lifting height of 73". This makes them one of the fastest mobile column lifts in the world.

# Well thought out in all aspects



**32  
MAX**

MAX 32 LINKED  
COLUMNS



ADJUSTABLE  
LOWERING SPEED



OVERLOAD  
PROTECTION



UNIQUE  
SYNCHRONIZATION  
SYSTEM

## Easy to move

Stertil-Koni mobile column lifts are indeed mobile, thanks to the synthetic roller wheels and hydraulic pallet jack mechanism with patented overload protection.

## Safe working space

As an extra safety feature, we have also designed ample working space between the column and the vehicle. This ensures that the vehicle will not come into contact with the column in the event of sagging vehicle suspension.

## Unique synchronization

The synchronization system is activated at a height difference of just 9/16". This ensures a safe and smooth lifting and lowering cycle, even in cases where the distribution of the vehicle weight is extremely uneven.

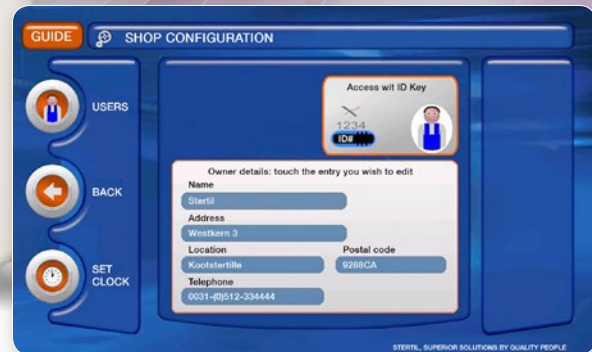
## Lifetime guarantee

The innovative synthetic runner wheels within the column come with a lifetime parts guarantee.



○ High resolution 7" touch screen

○ Intuitive controls



## ebright Features

SMART CONTROL SYSTEM

- High resolution 7" touch screen
- Owner/User configurable system with user ID key
  - Individual user settings for setting language and units of measure
  - Protection against unauthorized use, thanks to personalized ID key
- Maintenance notifications
- Visual display of maximum programmable lifting height
- Warning and failure information
- Operation manual available on-screen

- Tracking of specific operations and information codes
- Intuitive controls with actual data about the lift:
  - Indication for Single, All or Pair operation mode
  - Information about how many columns are in the set (up to 32 columns)
  - Actual lifting height displayed
  - Lowering speed can be manually adjusted on the touch screen
  - Battery status information
  - Customizable ID-Key to prevent unauthorized operation
- Wireless Mesh network with continuous active channel search offering optimal connectivity

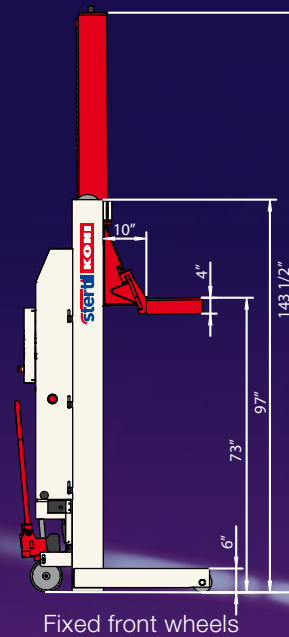
# Everything under control



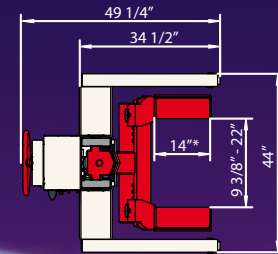
Overview of ST 1085 – ST 1100 models	eBright wireless ST 1085-FWA ST 1100-FWA	eBright wireless ST 1085-RWA ST 1100-RWA	eBright cabled ST 1085-FSA ST 1100-FSA	eBright cabled ST 1085-RSA ST 1100-RSA
eBright Smart Control System with a control box on each individual mobile column	●	●	●	●
Touch screen with important information about the system e.g. lifting height, operation mode	●	●	●	●
Wireless Mesh network with continuous active channel search offering optimal connectivity	●	●		
These columns utilize a power outlet in the workshop and communicate with each other via interconnecting cables			●	●
Adjustable lowering speed for slow or normal lowering	●	●	●	●
Hydraulic pallet truck mechanism with patented overload protection	●	●	●	●
14"-long adjustable fork, suitable for super single tires	ST 1085	ST 1085	ST 1085	ST 1085
12"-long adjustable fork	ST 1100	ST 1100	ST 1100	ST 1100
Fixed synthetic wheels that reduce the floor surface pressure	●		●	
Retractable synthetic wheels integrated into the base frame, for 10x less floor pressure		●		●

## Technical specifications

- Lifting capacity: 18,500 lbs. or 22,000 lbs.
- Lift system: hydraulic lifting system with microprocessor-controlled synchronization
- Lifting height: maximum 73", automatic stop at the highest position
- Lifting time: 94 seconds
- Motor rating: 3 hp / 4 hp per column (Cabled/Wireless)
- Weight: 1,350 lbs per column (Wireless)
- Column lift height: 97"



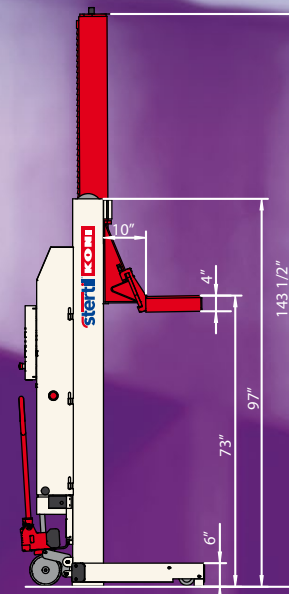
Fixed front wheels



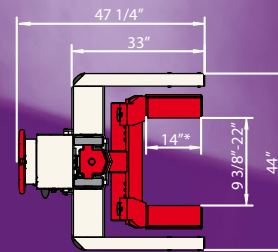
Adjustable forks

## Highest safety requirements

- ANSI/ALI-ALCTV certified (USA), CSA certified (Canada), CE certified (Europe)
- Independent mechanical locking system engages at 5" above finished floor. Locking 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"
- Synchronization between the mobile lifting columns starts at a height difference of 9/16"
- Automatic overload protection
- Low voltage control panel with emergency stop
- Each column is equipped with hold-to-run push buttons
- Each individual mobile lifting column is tested prior to leaving the factory
- Splash-proof electrical system (IP 65).



Retractable front wheels



Adjustable forks

\* For the ST 1100: 12"

## Accessories & options

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

## More information?

For more information about the ST 1085, ST 1100, or any of Stertil-Koni's other top products, please do not hesitate to contact us. We will be pleased to assist you.



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  
 lifts@sterdil-koni.com

f StertilKoniUSA @StertilKoniUSA

A member of the Stertil Group