

MOBILE COLUMN LIFT

ST 1085 - ST 1100

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



SMART CONTROL SYSTEM

KONI

stertil



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.

... 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 28 columns in a single lift set. All interconnection cables are equipped with heavy-duty plugs at both ends. Optional extra strong drive-over interconnection cables are available to provide protection against damage.

Wireless mobile column lifts with **ebright Smart Control System**



TOUCH
SCREEN



WIRELESS



Superior control for cabled version

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, 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

- Long usable life of the column with minimal repair and maintenance, thanks to reduced friction
- 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 lifting columns 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 reach their maximum lifting height of 73" in just 94 seconds, making 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 should not come into contact with the column.

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 wheel within the column is self-lubricating, and comes 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 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

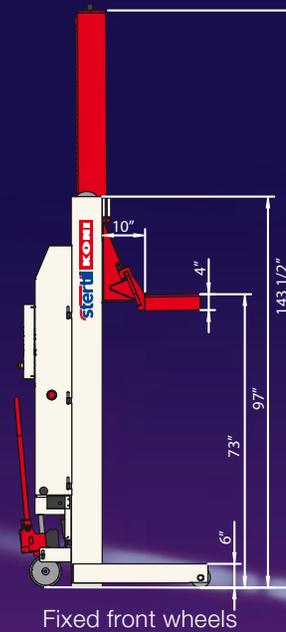


Superior control for cabled version

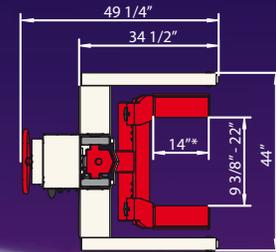
Overview of ST 1085 – ST 1100 types and controls	ebright wireless ST 1085-FWA ST 1100-FWA	ebright wireless ST 1085-RWA ST 1100-RWA	superior cabled ST 1085-FSA ST 1100-FSA	superior cabled ST 1085-RSA ST 1100-RSA
ebright Smart Control System with a control box on each individual mobile column	●	●		
Touch screen with important information about the system e.g. lifting height, battery status	●	●		
Superior Control with a control box on each individual mobile column			●	●
Adjustable lowering speed for slow or normal lowering speed	●	●	●	●
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 (Superior / Wireless)
Weight:	1,350 lbs per column (Wireless)
Column lift height:	97"



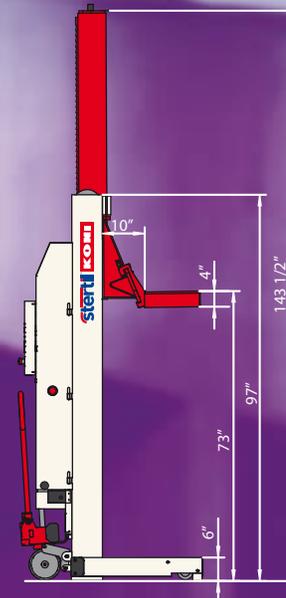
Fixed front wheels



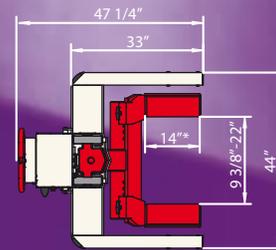
Adjustable forks

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
- Each column is equipped with dead man's switches
- Each individual mobile lifting column is tested prior to leaving the factory
- Splash-proof electrical system (NEMA4).



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.

* Technical specifications are available at: www.stertil-koni.com

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.



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