

DIAMONDLIFT

Технические характеристики



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Superior Solutions



The Stertil Group provides customized and technically advanced solutions for heavy duty vehicle lifting requirements and loading bay 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 specialized professionals with highly advanced skills, training and unique expertise. Thanks to the quality of its people, entirely in-house production and its international organization, Stertil-Koni is the world's number one manufacturer in the field of heavy duty vehicle lifting.

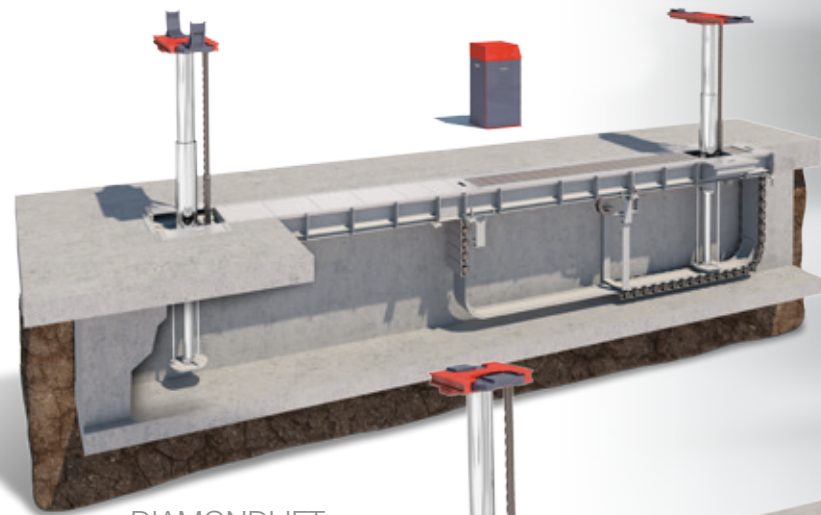


Safety, Environmentally-friendly and Completely Flexible

Setting a new benchmark for the in-ground piston lift market, the DIAMONDLIFT is available in a wide range of versions, giving you the freedom of choice for a variety of workshop situations. Whether you are building a new shop or renovating an existing one, the DIAMONDLIFT is ideal.

The DIAMONDLIFT delivers the highest level of safety through accredited third-party testing and validation supervised by ALI (Automotive Lift Institute), resulting in a superior innovative lifting solution.

Stertil-Koni In-Ground DIAMONDLIFT with **ebright Smart Control System**



DIAMONDLIFT
with frame



DIAMONDLIFT with cassette



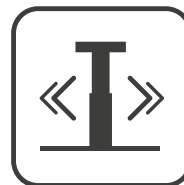
HIGHEST
SAFETY LEVEL



TOUCH
SCREEN



ENVIRONMENTALLY
FRIENDLY



COMPLETELY
FLEXIBLE

Full-color touch screen control

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

- Full-color 7-inch, high resolution display
- Display offers touch screen control and works even when wearing gloves
- All relevant information available at a glance
- User-configured options; such as choice of language, safety warnings and scheduled maintenance notifications
- Customizable user ID key to prevent unauthorized operation

The DIAMONDLIFT: Ideal for any fleet



Stertil-Koni offers a range of solutions to fit your particular needs. Stertil-Koni offers the DIAMONDLIFT in two foundation configurations. There is a cassette version which features steel foundation containments or a frame version with a steel frame designed for a traditional concrete foundation. The DIAMONDLIFT is available with either standard parking pockets for the movable lifting bolsters or the Continuous Recess™ option. With the Continuous Recess option, any movable lifting unit can travel horizontally in its fully recessed position. This accelerates lift setup and minimizes hazards with low clearance vehicles.

Wide Application

- Capacities of 32,000 lbs. or 35,000 lbs. per piston, providing up to 140,000 lbs. per lift in a 4-piston configuration
- Lift configurations utilizing 2, 3 or 4 pistons, for multiple axle vehicles
- Maximum flexibility in horizontal travel range of the moveable pistons:
 - Cassette version: 10 ft, 13 ft or 17 ft
 - Frame version: tailor-made ranges due to modular configuration of the frame
- 73 inches of lifting height to accommodate the tallest technicians
- Maximum spread of lifting adapters 55"
- Adapters: Standard selection included. Special adapters are available



Maximum Innovative Safety

- Gravity engaged locking system with increments of 3 inches and 21 locking positions starting at 8 ½ inches of rise (ideal for tires bays)
- Robust mechanical locking system, independent of the hydraulic cylinder. When lowered into the locks, the vehicle is fully supported, with no pressure remaining in the hydraulic system
- Solid, 3-inch steel locking rods with hardened, nitrated finish for resistance to wear and corrosion
- Fully enclosed and protected height sensors provide real-time synchronization of all pistons
- Pit covers are made from anodized aluminum and are equipped with a skid resistant surface. The covers are capable of handling a wheel load of 13,500 lbs. as well as a point load from a support stand leg of up to 7,500 lbs. on a 2 x 2 inch contact area



Flip-Up Adapter



Differential Adapter



Landing Gear Adapter

- Programmable lifting height to protect double decker buses and tall vehicles
- All electrical components are fully compliant with requirements for hazardous locations
- No high voltage components or hydraulic reservoirs below floor level. Movable pistons travel horizontally by means of hydraulically powered inverted rack and pinion system, sliding on a corrosion resistant, self-cleaning surface

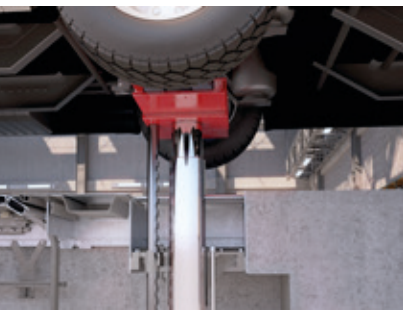
Ease of use and Maintenance

- All power units and control components are located in the above-ground console to allow easy access for troubleshooting and maintenance
- Easy access for manual lowering in the event of a power outage

- Pit covers utilize continuous hinge with no moving parts
- The hydraulic horizontal drive system is self-aligning and self-cleaning

Options

- Detachable, wired remote control: Full function remote control, with emergency stop, operates in addition to standard controls on the console and is fully approved for use on the workshop floor. The result: convenient and safe spotting of the lift to the vehicle
- Adapters: Standard selection included. Special adapters are available
- Adapter stand or cart for safe and easy storage of adapters and cover plates
- **Automatic Wheel Base Positioning (AWBP):** The DIAMONDLIFT can be equipped with a system that



stores wheelbase data for easier lift setup. The user-friendly touch screen stores an infinite number of vehicle configurations, which in turn allows precise relocation of the moveable lifting units with the touch of a screen, thereby significantly reducing setup time

- The HOME light beacon, when illuminated, informs the operator when lifting units are fully lowered and it is safe for the vehicle to enter or exit the bay
- Integrated sump pumps to automatically evacuate liquids that accumulate in the lift pits (e.g. water or shop fluids)
- Special lift configurations are available

Synthetic piston support slides, not steel rollers

This specially designed robust sliding system is very durable and extremely effective for the distribution of high point loads. In contrast, conventional in-ground pistons often utilize steel rollers which tend to damage the steel floor track with high points loads.

Highly Durable Pistons

- Hard chrome-plated piston construction for added durability with a long life span
- Telescopic pistons' critical seals are engineered to be located away from potential damage from dirt and debris

“Green” Superiority leads to increased durability

- DIAMONDLIFT foundation components at floor level are hot-dip galvanized for optimum corrosion resistance
- DIAMONDLIFT cassettes are coated with **DiamondGuard®** which is a high-quality coating that protects the cassettes from electrolysis and corrosion as well as hazardous workshop fluids
- DIAMONDLIFT high pressure hydraulics only require less than 5 gallons of biodegradable oil per piston
- All hydraulics components are located in an above ground control console with easy access



Intuitive controls

High resolution 7" touch screen



ebright Features

SMART CONTROL SYSTEM

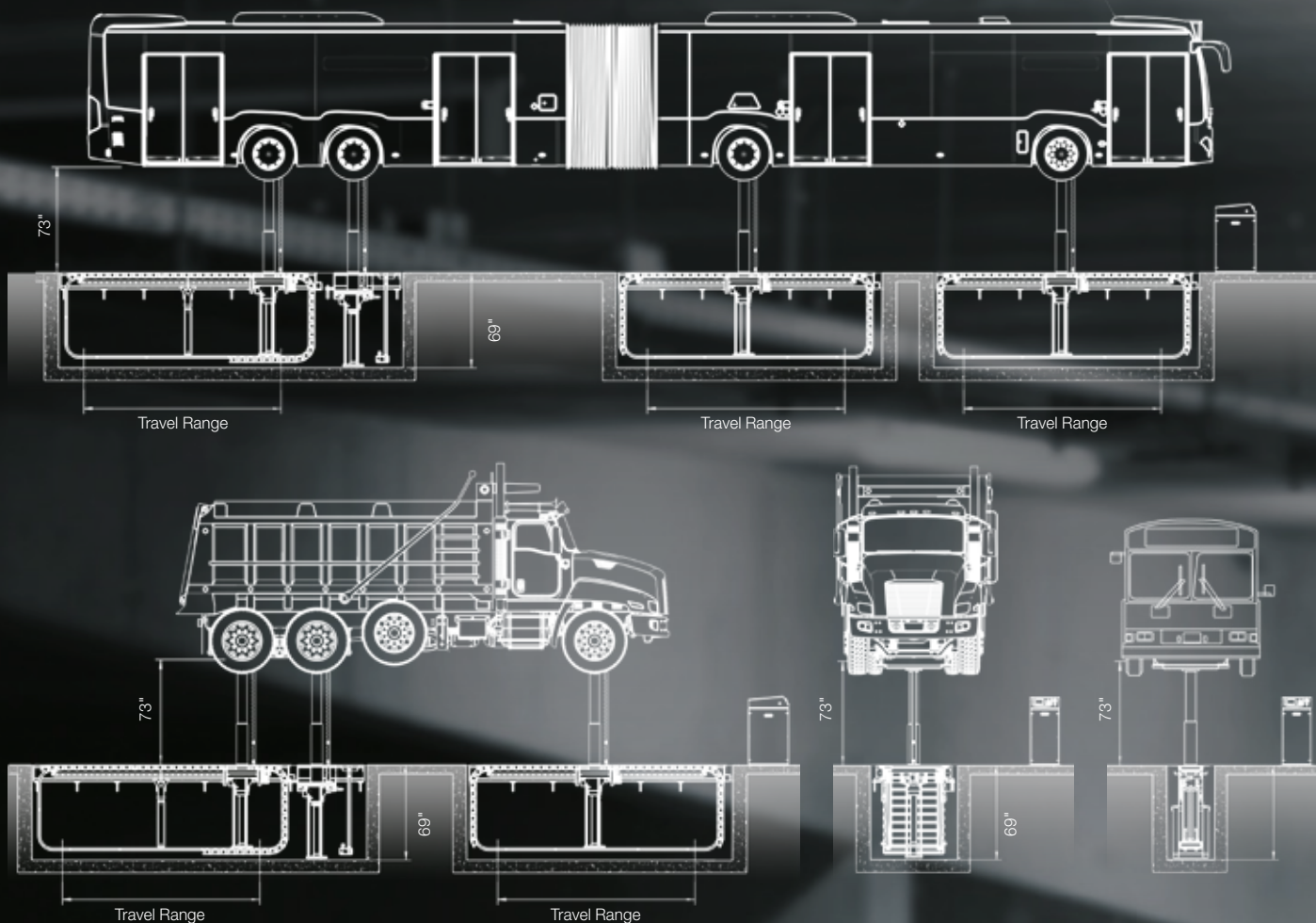
- High resolution 7-inch touch screen displays real-time data of lift status including:
 - Operating mode: single or group
 - Actual height of all lifting units
 - User configured height restriction
 - Lifting unit motion indicators
- Service/Maintenance notifications

- Operation manual on-screen
- Tracking of specific operations and information codes
- Owner/User configurable system with user ID key
 - Individual user settings for language and units of measure
 - Protection against unauthorized use

Versions	DIAMONDLIFT cassette	DIAMONDLIFT cassette + Continuous Recess	DIAMONDLIFT frame	DIAMONDLIFT frame + Continuous Recess
Aluminum shutter style cover system	V	V	V	V
Continuous Recess where the movable bolster is flush with the workshop floor and ideal for vehicles with extremely low ground clearance	X	V	X	V
Parking pockets ¹ (bolsters are flush with the floor only when lowered into dedicated parking position)	V	X	O	X
Integrated covers for parking pockets	V	X	O ¹	X
Maximum installation depth	72"	72"	67"	67"
Minimum wheel base possible	62"	62"	48"	48"
Below grade wheel spotting dishes	V	V	O	O
Liquid detection system	V	V	V	V

¹ When optional Recess pockets are ordered they will be supplied with integrated covers

Technical specifications



Specification	DIAMOND 64 - 70	DIAMOND 96 - 105	DIAMOND 128 - 140	
Lifting capacity	64,000 - 70,000	96,000 - 105,000	128,000 - 140,000	lbs.
Lifting height	73			inch
Pit depth	69			inch
Travel Range cassette	10, 13 & 17			ft.
Travel Range frame	variable from 10 up to 19			ft.
Minimum wheelbase	starting at 48			inch
Lifting/Lowering time	90/90			sec
Compressed air supply	Filtered/regulated 5 CFM at 60 PSI			
Electrical supply	3 phase, 208-230/460/575			Volt
Motor power	2 x 5	3 x 5	4 x 5	HP

Our Experts are Ready to Help

For more information about the DIAMONDLIFT or any other products from the Steril-Koni product range, please do not hesitate to contact us. We will be pleased to assist you.

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