

- Raise efficiency
- Lower cost per mile
- No driver interaction required



Intelligent System

SMARTLIFT® is a liftable slider for automatic weight sensing lift systems that raises and lowers one axle on VANTRAAX® integrated slider systems without any driver interaction.

The system is designed to optimize tire life and increase fuel efficiency for fleets with fluctuating loads such as food service, beverage supply, LTL Less-Than-Truckload, or other multi-stop operations.

Proven Track Record and Established Reliability

The foundation for the SMARTLIFT system is Hendrickson's UBL™ UNDER BEAM LIFT™ lift mechanism.

Since its introduction in 1999, more than 79,000 UBL units have gone into service, earning a reputation for unmatched reliability and class-leading performance.

To learn more about SMARTLIFT system
call 866.743.3247 or visit
www.hendrickson-intl.com

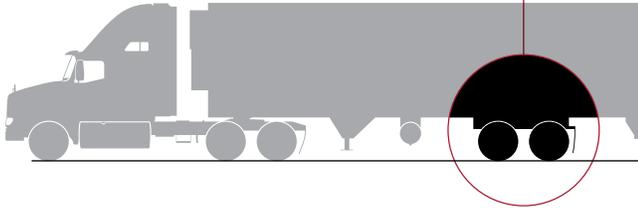
SMARTLIFT® System Operation

Hendrickson's SMARTLIFT®, when used in conjunction with automatic lift controls system, activates with absolutely no interaction from the operator; it is designed to work with an automatic control system that regulates the position of the front trailer axle anytime the vehicle is operating. With the vehicle power on and the emergency brakes released, the SMARTLIFT system paired with an automatic weight sensing control system raises or lowers the front axle on VANTRAAX® slider systems to provide the optimum axle configuration based on operating conditions.

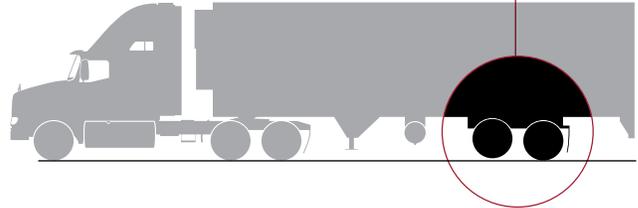


The pressure in the air springs determines whether the front axle should remain on the ground or be raised to the lifted position. Based on this pressure, the suspension controls calculate the weight of the trailer load, and if the front axle is not required to support the load, the axle is automatically lifted.

FULLY LOADED TRAILER - ALL AXLES DOWN



PARTIALLY LOADED TRAILER - FRONT AXLE UP



Automatic Lift Controls System

Anytime the vehicle is powered off, and therefore not operational, the automatic lift controls that are paired with the SMARTLIFT system automatically shift the front axle to the down position. This "down" axle arrangement is maintained anytime the emergency brake is set. This unique feature is designed to allow both axles to remain on the ground to provide stability when loading and unloading the trailer.

Under normal operating conditions, while the vehicle is moving, the system maintains the suspension's current axle position. The intelligent suspension control* logic prevents the axle from automatically changing position due to road inputs that affect the vehicle while it is in operation. If power is lost, the suspension controls revert to 'powered off' mode and automatically lower the lifted front axle to the ground, returning the trailer to a standard axle arrangement.



Raised mode

Lowered mode

* When combined with an ABS System that includes an Automatic Lift Control feature.

SMARTLIFT System Benefits

The SMARTLIFT system paired with automatic lift controls allows the tires to be lifted off the ground when they are not required to carry the load which help offer significant benefits** including:

- Increased Fuel Efficiency
- Extended Component Life
- Extended Tire Life
- Reduced Road Tolls

**Actual product performance and savings may vary depending upon vehicle configuration, operation, service and other factors.

Call Hendrickson at **330.489.0045** or **866.RIDEAIR (743.3247)** for additional information.



www.hendrickson-intl.com

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