



FREIGHTLINER

COMPONENTS



FREIGHTLINER AIRLINER™

The AirLiner front suspension is a quantum leap in technology. The industry's first integrated front axle and air suspension delivers more benefits to drivers, mechanics and fleet owners.

AirLiner helps protect drivers from bumps and potholes, providing a premium ride while maintaining constant ride height. Road inputs are reduced up to 30 percent versus standard industry suspensions.

The AirLiner's superior design and engineering improves road stability up to 64 percent versus standard suspensions. It provides better handling and control and delivers up to 50 degrees of wheel cut, while reducing bump steer and wheel kick.

The axle clamp group eliminates U-bolts and provides four-sided clamping pressure for a secure axle connection. The two-piece knuckle reduces maintenance and improves serviceability, thus helping to decrease downtime. The leaf spring bushings require no lubrication.

The AirLiner suspension, combined with the Hendrickson STEERTEK fabricated axle, is up to 90 pounds lighter than traditional forged axle and steel spring designs — the AirLiner's lower weight increases load capacity.

COMPONENTS

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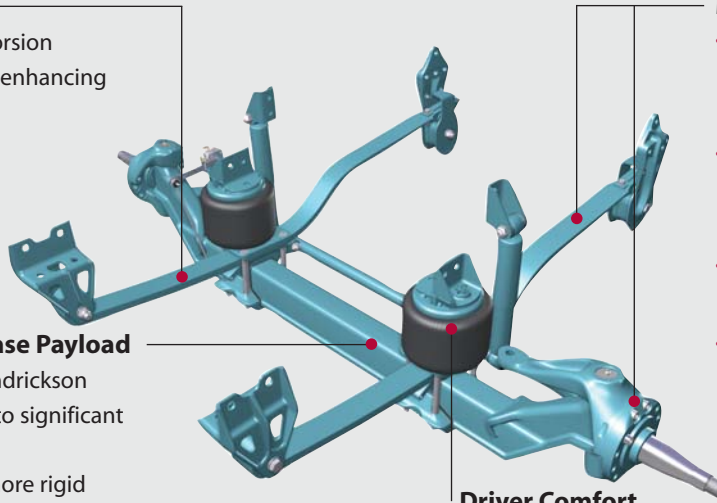
Improved Handling

- Leaf spring assembly forms torsion system with box section axle, enhancing roll stability characteristics

Reduced Weight and Increase Payload

- The unique design of the Hendrickson STEERTEK axle* contributes to significant weight savings
- Box shaped cross section is more rigid than traditional I-beam axles for reduced change in dynamic camber and toe

* US and foreign patents granted and pending



Maintenance and Durability

- Unique two-piece knuckle* design eliminates the need to remove the kingpin to service the knuckle
- Spring leaf shackle is eliminated reducing the number of parts and amount of maintenance
- Durable rubber front and rear bushings require no lubrication
- Quick "snap" installation feature and "push-to-connect" air supply design provide fast and easy installation and removal

Driver Comfort

- Exclusive air springs support a majority of the vertical load while providing a very low spring rate

Model	Freightliner AirLiner™			Hendrickson STEERTEK Axle				
	Suspension Capacity	Databook Weight ¹	Data Code	Axle Capacity	Axle Drop ²	Kingpin Intersection	Databook Weight ³	Data Code
Century Class S/T	12,000 lbs.	-50 lbs.	620-1AH	12,000 lbs.	3.5"	69"	-40 lbs.	400-1AW
				12,000 lbs.	5.0"	69"	-40 lbs.	400-1AX
Columbia	12,000 lbs.	-50 lbs.	620-1AH	12,000 lbs.	3.5"	69"	-40 lbs.	400-1AW
				12,000 lbs.	5.0"	69"	-40 lbs.	400-1AX
Coronado	12,000 lbs.	-40 lbs.	620-1AH	12,000 lbs.	3.5"	71"	-50 lbs.	400-1BR
Classic XL	12,000 lbs.	-40 lbs.	620-1AH	12,000 lbs.	3.5"	69"	-50 lbs.	400-1AW

The AirLiner is approved for on-highway usage with up to 15 percent operation on unpaved secondary roads. Other applications must be pre-approved by both Hendrickson and Freightliner. The AirLiner front suspension is integral to and available exclusively with the Hendrickson STEERTEK axle. STEERTEK can be used in applications that are up to 100 percent off road. Contact Hendrickson for approval and guidelines on any application that exceeds 10 percent off-road usage. This system is anti-lock braking system (ABS) ready. STEERTEK is compatible with industry standard wheel ends and brakes. STEERTEK is also available with mechanical suspension options. Contact Hendrickson or Freightliner for availability.

1. Compared to 1.5 leaf steel spring suspension
2. Axle beam drop is measured from the kingpin intersection to the top of the leaf spring seat
3. Compared to a typical 12,000-pound capacity I-beam axle



www.hendrickson-intl.com



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