



**AIRTEK**<sup>®</sup>

Integrated front air suspension  
steer axle system



*Run Smart*<sup>™</sup>

## AIRTEK<sup>®</sup> – Spec for savings on Cascadia<sup>®</sup> Evolution

The AIRTEK<sup>®</sup> suspension, combined with Hendrickson's STEERTEK NXT fabricated axle, is 97 pounds lighter than standard Cascadia content to improve load capacity and help enhance fuel efficiency.



To learn more about AIRTEK<sup>®</sup>,  
call 855.743.3733 or visit  
[www.hendrickson-intl.com](http://www.hendrickson-intl.com)

**HENDRICKSON**<sup>®</sup>  
*The World Rides On Us*<sup>®</sup>

# AIRTEK® for Freightliner® Trucks

AIRTEK's superior design and engineering improves roll stability versus standard suspensions. It provides better handling and control and delivers up to 55 degrees of wheel cut for excellent maneuverability. AIRTEK's exclusive air springs support a majority of the load, greatly increasing driver comfort. Premium rubber bushings are incorporated to aid in the isolation of noise, vibration and harshness, which contributes to exceptional ride quality. AIRTEK assists in protecting equipment, helping to reduce maintenance costs.

### Stability and Handling

- Leaf spring assembly forms a torsion system with the axle to increase roll stability\*
- 30% increase in roll stiffness

### Weight Savings Up To 97 Pounds

- AIRTEK's unique design provides significant weight savings compared to a traditional forged axle and steel springs

### STEERTEK NXT Axle

- The box-shaped cross section resists horizontal, vertical and twisting forces more effectively than traditional I-beam axles
- Continuous beam architecture minimizes stress points for added durability
- Accommodates the increased brake torque needed to meet FMVSS-121 stopping distance regulations
- Integrated axle seats to improve ground clearance, reduce part count, and simplify assembly
- STEERTEK NXT comes with a standard 10-year, 1 million mile limited warranty ▲

▲ 10-year, 1 million mile limited warranty covers certain structural components only. Warranty coverage applies to the axle beam, steering arm, knuckle assembly and kingpin when used in applications approved by Hendrickson and within the proper guidelines of the product. Warranty does not cover components experiencing normal wear. Contact Hendrickson for full warranty details and limitations.

\* Compared to two-leaf spring suspensions

### Improved Ride and Comfort

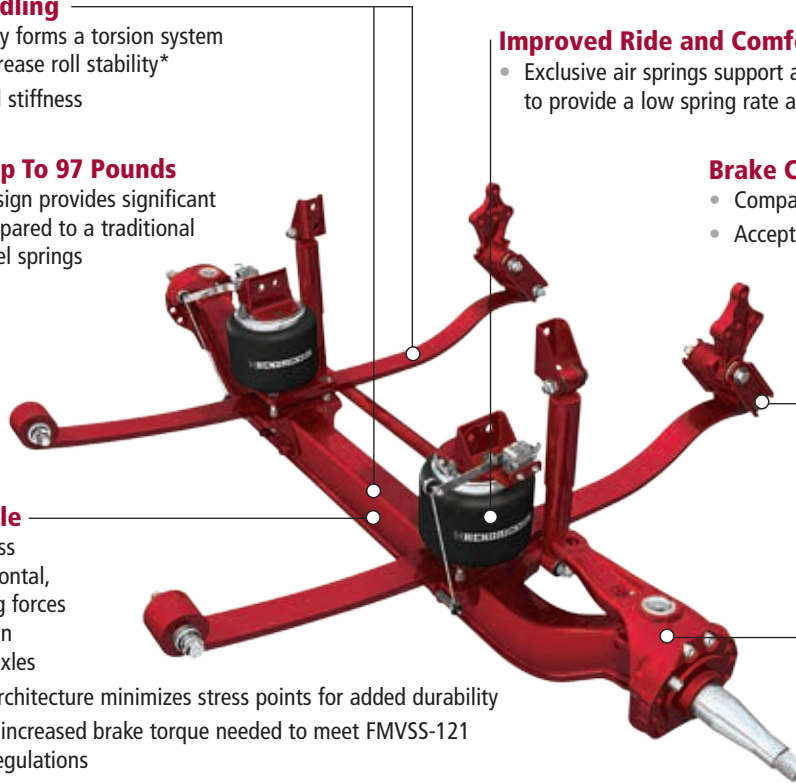
- Exclusive air springs support a majority of the load to provide a low spring rate and improve ride\*

### Brake Compatibility

- Compatible with drum or disc brakes
- Accepts both 5/8" and 3/4" brake hardware

### Reduced Maintenance

- Unique two-piece knuckle design eliminates the need to remove the kingpin to service the knuckle
- Durable rubber front and rear bushings require no lubrication
- Premium kingpin bushings and seals provide enhanced protection from the elements to improve bushing life
- Quick "snap" installation feature of air spring and "push-to-connect" air supply design provide efficient installation and removal of air springs and height control valves



MODEL	AIRTEK®			HENDRICKSON STEERTEK NXT AXLE			SUSPENSION + AXLE DATABASE WEIGHT <sup>1</sup>
	SUSPENSION CAPACITY	DATA CODE	AXLE CAPACITY	AXLE DROP <sup>1</sup>	KINGPIN INTERSECTION	DATA CODE	
Cascadia Evolution	12,500 lbs.	620-1D9	12,500 lbs.	3.5"	70.9"	400-1G3	-97 lbs.
Cascadia Evolution	12,500 lbs.	620-1D9	12,500 lbs.	5.0"	70.9"	400-1G4	-97 lbs.

1. Compared to standard 12,000-pound capacity I-beam axle and two-leaf spring.

All applications must comply with applicable Hendrickson specifications and must also be approved by Freightliner with the vehicle in its original, as-built configuration. Contact Hendrickson and Freightliner for approval of additional applications.

All marks are trademarks of their respective owners.

Contact your Freightliner Trucks dealer or Hendrickson at **630.910.2800** or **855.RIDERED (743.3733)** for additional information.



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