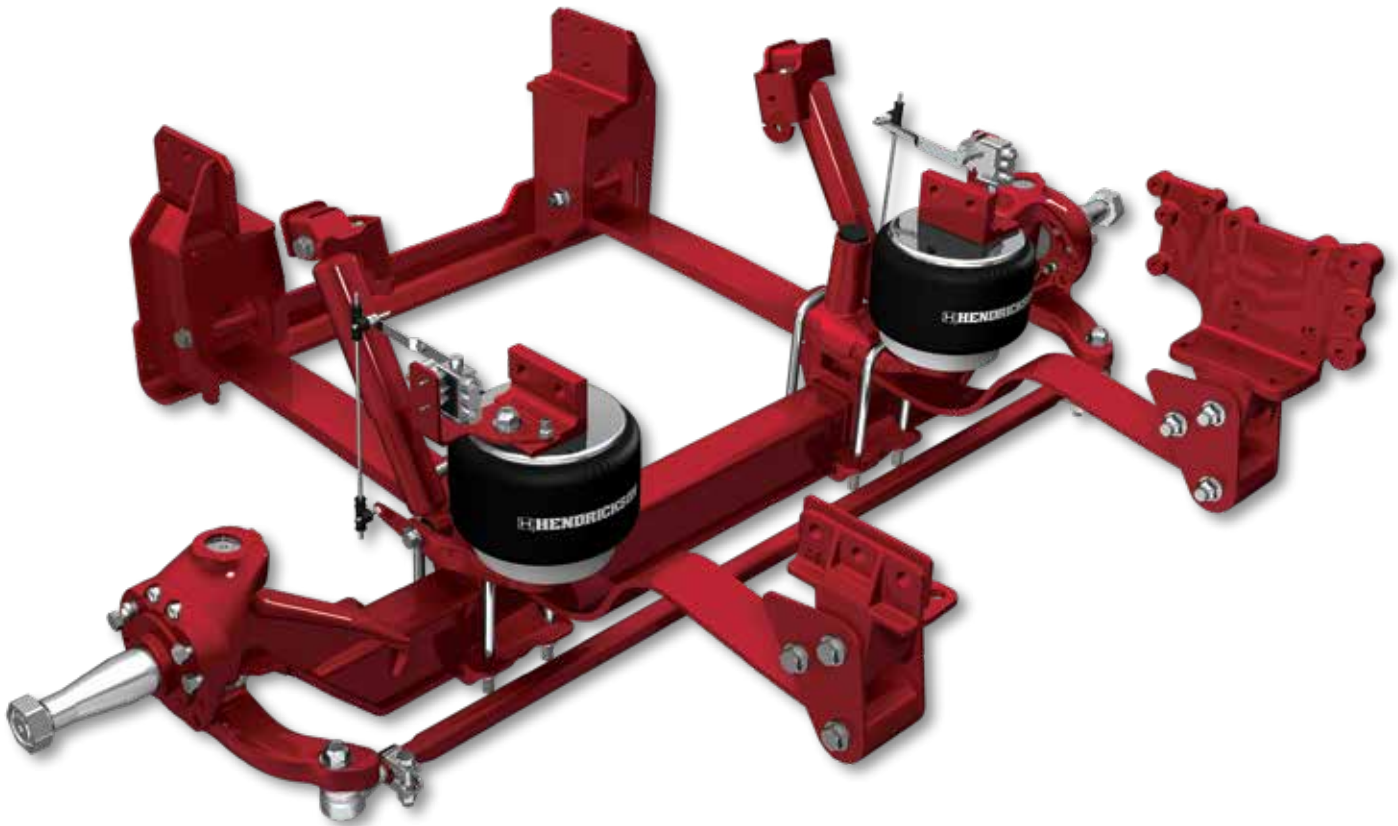




# AIRTEK<sup>®</sup> HCS

Integrated Front Air Suspension  
and Steer Axle System

AIRTEK<sup>®</sup> HCS, advanced integrated front air suspension and steer axle system, delivers more benefits to owners, drivers and technicians.



AIRTEK<sup>®</sup> HCS's superior design and engineering improves roll stability versus standard suspensions. Its 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 helps protect valuable cab components and contributes to AIRTEK HCS's exceptional ride quality. AIRTEK HCS assists in protecting drivers from bumps and potholes, providing a premium ride while maintaining constant ride height.

The AIRTEK HCS suspension, combined with Hendrickson's STEERTEK fabricated axle, is up to 30 kg lighter than traditional forged axle and steel springs and is designed to improve load capacity and help enhance fuel efficiency.

To learn more about AIRTEK HCS,  
call Hendrickson or visit  
[www.hendrickson.com.au](http://www.hendrickson.com.au)

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

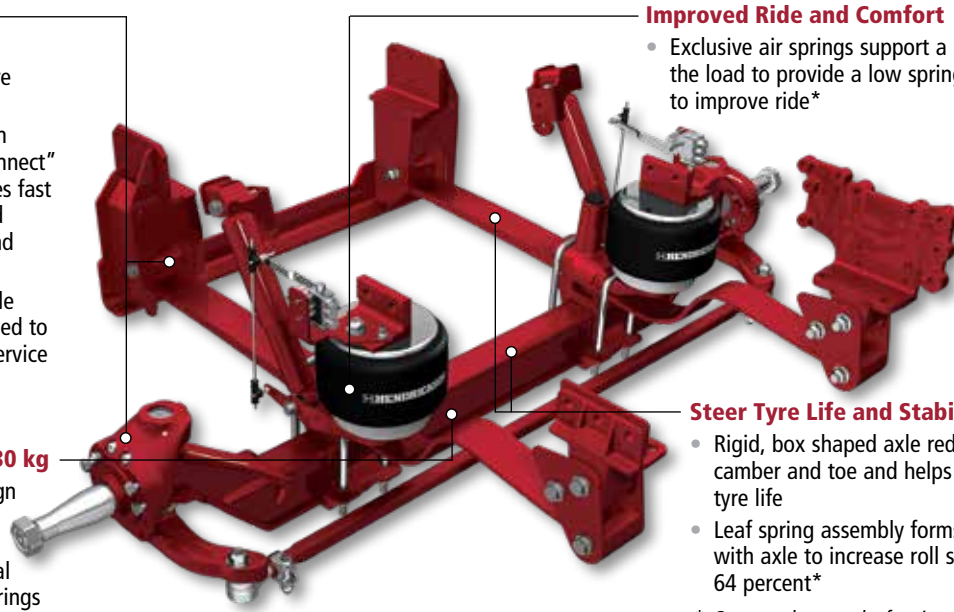
# AIRTEK® HCS System Features, Benefits and Specifications

## Reduced Maintenance

- Durable rubber front and rear bushings require no lubrication
- Quick "snap" installation feature and "push-to-connect" air supply design provides fast and easy installation and removal of air springs and height control valves
- Unique two-piece knuckle design eliminates the need to remove the kingpin to service the knuckle

## Weight Savings Up To 30 kg

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



## Improved Ride and Comfort

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

## Steer Tyre Life and Stability

- Rigid, box shaped axle reduces dynamic camber and toe and helps improve steer tyre life
- Leaf spring assembly forms torsion system with axle to increase roll stability by up to 64 percent\*

\* Compared to two-leaf spring suspensions

## Improved clamp group design

- Integrated caster wedge and spacer
- U-bolt style connection
- Increased spring seat contact for greater spring protection



## Optimised spring assembly design

- Spring eye bush - High conical stiffness

## Reduced Maintenance

- Heavy-duty rubber bushings require no lubrication
- High quality bushings, seals and bearings increase service life
- Two-piece knuckle assembly allows removal of knuckle without removing kingpin
- Large volume air springs reduce vibration to cab, chassis, engine and electrical components for reduced maintenance



MODEL	SUSPENSION RATING (kg)	SUSPENSION WEIGHT <sup>1</sup> (kg)	AXLE	AXLE BEAM DROP <sup>2</sup> (mm)	KINGPIN INTERSECTION (mm)	AXLE WEIGHT <sup>3</sup> (kg)
AIRTEK®	6,700	130	STEERTEK	108	1,801	143

AIRTEK HCS is approved for on-highway usage. Other applications must be pre-approved by both Hendrickson and vehicle manufacturer. AIRTEK HCS is integral to and available exclusively with the STEERTEK axle. STEERTEK fabricated axles can be used in applications that are 15 percent off road. Contact Hendrickson for approval and guidelines on any application that exceeds 15 percent off-highway usage. This system is anti-lock braking system (ABS) ready. STEERTEK is compatible with industry standard wheel ends and brakes. Unlashed hubs are available. STEERTEK is also available with mechanical suspension options. Contact Hendrickson or vehicle manufacturer for availability.

1. Suspension weight includes main springs, bushings, air springs and attachments, height control system, shock absorbers, upper shock brackets and axle clamp group. Weight may vary depending on vehicle. Contact Hendrickson or vehicle manufacturer for final weight.
2. Axle beam drop is measured from the kingpin intersection to the top of the beam.
3. Axle weight includes the axle beam, knuckle / steering arm assemblies and tie rod assemblies.

**Hendrickson Genuine Parts** are the same quality components installed in Hendrickson original equipment suspensions — consisting of the same design, construction, performance and durability. There's only one way to maintain and protect your suspension's original performance. Ask for the name that is synonymous with the finest manufactured suspensions in the world.

Extended Warranty options available at [www.hendrickson.com.au](http://www.hendrickson.com.au)

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

All applications must comply with applicable Hendrickson specifications and must be approved by the respective vehicle manufacturer with the vehicle in its original, as-built configuration. Contact Hendrickson for additional details regarding specifications, applications, capacities, and operation, service and maintenance instructions.

Call Hendrickson or visit our web site for additional information.



[www.hendrickson.com.au](http://www.hendrickson.com.au)

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