AIR vs. SPRING Trailer Vehicle Suspension Systems

- Smart Investment
- Market Leader
- Superior Performance

Smart Investment

More and more, fleets and owner operators find that investing in air suspensions can prove to be a smart business decision when spec'ing trailers. Riding on air can increase savings over the lifespan of fleets' vehicles due to fewer cargo damage claims, lower maintenance and increased road time.

Market Leader

With all of these advantages, air suspensions have seen a tremendous growth in popularity — catapulting from around 12 percent of trailers built in North America in 1987 to nearly 70 percent today. In the process, Hendrickson has made air suspensions a true contender with steel springs in terms of weight and cost savings.

Superior Performance

Air suspensions offer performance enhancements like superior ride quality and deliver myriad advantages including reduced maintenance, improved durability, increased operational efficiencies and higher trailer resale value. The champion reputation of Hendrickson's fully integrated systems like INTRAAX® and VANTRAAX® have broadened the already considerable benefits of air suspensions.

Examine the table on the back of this publication to see how specifying air suspensions can boost your bottom line.

To learn more about Air vs. Spring, call 866.743.3247 or visit www.hendrickson-intl.com

HENDRICKSON®
The World Rides On Us®

AIR vs. SPRING — Trailer Suspensions

	Hendrickson Air Suspensions (INTRAAX® and VANTRAAX®)	Typical Steel Spring Suspension
DURABILITY AND PERFORMANCE	• **Lightweight axle design** - LDA™ Large-Diameter Axle (5.75 in. diameter) — Trims up to 30 lbs. per axle* — 22 percent increase bending stiffness* • **Advanced axle to beam connection** - No weld between axle and trailing arm - 10-year limited warranty** • **Proven TRI-FUNCTIONAL® Bushing** - Controls vertical forces, horizontal forces and roll stability for enhanced ride	• 5 in. diameter axle - Less stiffness in axle • Inconsistent hand-welded axle connections can result in axle cracking
VALUE / RESALE VALUE	• **More value** - Commercial Trailer Blue Book up to $1,800 credit - Higher resale value - Flexible backhaul options	• Lower resale value • No credit for spring
CARGO PROTECTION	• **Reduced vibrations and impact forces** - Tough, long-life air springs - Cushions under loaded and unloaded conditions - Equalizes payloads between axles	• Stiff ride can permit excessive wheel hop • Potential trailer bounce on rough roads and while crossing railroad tracks
MAINTENANCE	• **Greater savings in the long run** - Integrated, unitized system — Fewer parts to replace - QUIK-ALIGN® Pivot Connection — Easy realignment — No re-torquing requirements - Available with ZMD® ZERO MAINTENANCE DAMPING® Technology*** — No shocks needed - Less wear and tear on trailer components and equipment - More uniform brake wear	• Torque rods subject to rust, corrosion and wear • Metal-to-metal and multiple bushing wear points • Extra effort required for alignment • Multiple fasteners and u-bolts require re-torquing • May cause increased stress on trailer components and equipment • Potential uneven brake wear due to load transfer
DRIVER SATISFACTION	• **Improved comfort and maintenance** - QUIK-DRAW® fully pneumatic pin-pull mechanism - Drivers report decreased fatigue from riding on air — Finger-tip operation for safe and easy slider box maneuvering	• Drivers are more susceptible to feel rough road inputs through suspension • Drivers report increased fatigue

** Compared to 5-inch axle*
*** Contact your local Hendrickson representative for complete warranty terms, conditions and limitations.*
**** Available as an optional feature*

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

HENDRICKSON®

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