BUS Advanced Technology for the North American Bus Market

- Air Suspensions
- Steer Axles
- Brakes and Wheel Ends
- Steel Leaf Springs
- Bumpers

To learn more about Hendrickson Bus Products, call 630.910.2800 or visit www.hendrickson-bus.com

HENDRICKSON
The World Rides On Us®

BUS FRONT Suspension and Axle Systems

FRONT

STEERTEK NXT

Fabricated steer axle for bus applications

- Designed as a platform for next generation front axle and suspension systems
- Fabricated axle assembly for weight savings vs traditional forged I-beam axles
- Box shaped cross-section is more rigid than traditional I-beam axles
- Two-piece knuckle reduces maintenance and downtime
- Standard 10-year, one-million mile limited warranty*
- Withstands increased brake torque requirements resulting from 2011 F.M.V.S.S. stopping distance regulations
- Compatible with drum and disc brakes
- Brake and wheel-end assembly options available
- Capacity up to 14,600 lbs.

SOFTEK®

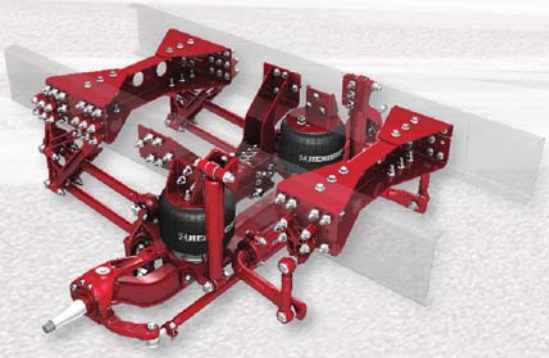
Integrated front mechanical suspension and steer axle system designed for passenger and driver comfort

- Highly engineered for a smooth ride and weight reduction
- Robust design for high durability and low maintenance
- Optimized steering performance delivers up to 55-degrees of wheel cut
- Capacities up to 14,600 lbs.

PARASTEER™

Front axle air suspension system designed specifically for bus applications

- Four-bar parallelogram linkage provides outstanding ride, steering and handling qualities
- Rubber bushings require no lubrication
- Capacity up to 20,000 lbs.



AIRTEK®

Integrated front air suspension and steer axle system designed for comfort and improved performance

- High-volume air springs provide superb ride and driver comfort
- Low maintenance design helps keep buses on the road
- Up to 55-degrees of wheel cut greatly improves maneuverability
- Capacities up to 14,600 lbs.

** Warranty applies to US and Canada applications only. Contact your local Hendrickson representative for complete warranty terms, conditions and limitations.*

BUS REAR Suspension Systems

REAR

COMFORT AIR®

Air suspension designed for passenger and driver comfort in various bus applications

- Wide footprint of frame hanger reduces stress to the frame
- Suspension geometry improves ride and handling
- QUIK-ALIGN® axle alignment system simplifies axle alignment
- Capacities up to 26,000 lbs.

HAS™ Single-axle

Rear air suspension

- Range of models for bus applications
- Excellent ride quality
- Durable bushings provide quiet operation and require no lubrication
- Low ride heights available
- Capacities up to 26,000 lbs.

PRIMAAX® EX

Revolutionary air suspension

- Large-volume, low frequency air springs provide a smooth ride for passenger comfort
- Integrated stabilizer system helps improve handling and roll stiffness
- Axle connection and torque rods help reduce torsional axle stress and driveline vibration
- Single-axle capacities up to 26,000 lbs.

Steel Leaf Springs

Innovative lightweight designs utilizing proprietary processes and advanced technology

- **Parabolic Taper-leaf**
  Reduce weight and improve ride
- **Multi-leaf**
  Rugged yet efficient design to suit a variety of demanding applications
- **Maintenance-free bushings**
  High performance and durable

BUS

Custom Bus Solutions

- Leverage Hendrickson's spring, suspension and axle expertise
- Knowledge to optimize full vehicle performance
- Products from Hendrickson's global portfolio

GOALS:

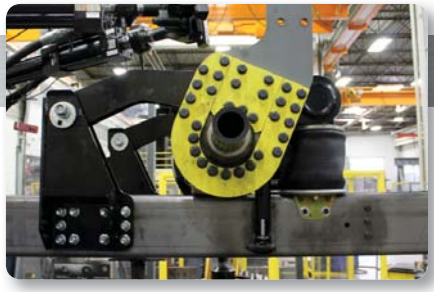
- Best-in-class ride and handling
- Increased durability and lower maintenance
- Reduce weight and cost
- Improve manufacturability

HWS™

IFS™

Bumpers

Design and Validation Capabilities



HISTORY: Over the past 100 years, Hendrickson has led the industry with breakthrough suspension designs and strong manufacturing expertise along with rigorous testing and analysis techniques. Our goal is to position Hendrickson as an extension of our customers engineering and product development team, leveraging our technical expertise to execute vehicle integration projects and to bring customized solutions for specific applications.

DESIGN: During the design creation phase, Hendrickson uses the most advanced engineering software to model specific components, identify stress points and simulate suspension performance in different application environments and load conditions.

VALIDATION: As the design matures, our sophisticated in-house research and development facility, featuring numerous test rigs designed to simulate real-world scenarios, is utilized to ensure that reliability, performance and quality objectives are met before design freeze. Once a suitable design is created, track testing commences and final design refinement occurs as the product endures tests that emulate real world conditions and are correlated to industry standard tests like the Altoona test.

Contact Hendrickson to learn more about how our technical team, dedicated solely to serving bus OEM customers, can bring value to your organization.

www.hendrickson-bus.com

*Call Hendrickson at **630.910.2800** for additional information.*

HENDRICKSON

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