

The foundation for efficiency in:
Braking, Maintenance, Performance,
Design and Weight



Designed as the platform for both Hendrickson's next generation and OEM proprietary front suspension systems, STEERTEK NXT provides greater reliability, innovation, weight savings, and is a durable, lightweight alternative to traditional I-beam axles. STEERTEK NXT manages the increased brake torque loads required to meet recent changes to FMVSS-121 and will accommodate a variety of wheel end and knuckle designs, including global specifications. Chosen by many OEMs as the standard axle for select vehicle models, STEERTEK NXT is approved for on-highway and medium-duty trucks, buses and motorhome applications and is available in capacities up to 14,600 lbs.

To learn more about STEERTEK NXT
call 855.743.3733 or visit
www.hendrickson-intl.com



The industry's first integrated front air suspension and fabricated steer axle system delivers benefits to fleet owners, drivers and technicians

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



Stability and Handling

- Leaf spring assembly forms a torsion system with the axle to increase roll stability

Weight Savings Up To 97 Pounds

- AIRTEK'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 improve ride

Brake Compatibility

- Compatible with drum or disc brakes
- Accepts both $\frac{5}{8}$ -inch and $\frac{3}{4}$ -inch brake hardware

Performance EFFICIENCY

Hendrickson's AIRTEK is an integrated front air suspension and steer axle system for on-highway applications that starts with STEERTEK NXT. AIRTEK's exclusive air springs support a majority of the load greatly increasing driver comfort. Integration with the fabricated STEERTEK NXT axle forms a torsion system with the leaf spring to enhance roll stability for superior handling and driver confidence. AIRTEK is available with dual height control valves. Premium rubber bushings are incorporated to help isolate noise, vibration and harshness to help protect equipment and provide a premium ride.



Torsion system geometry improves roll stability

H STEERTEK NXT

Fabricated steer axle for on-highway applications

Reduced Maintenance

- The unique two piece knuckle design eliminates the need to remove the kingpin to service the bushings, helping to reduce the maintenance time and life-cycle costs
- Premium kingpin bushings and seals provide enhanced protection from the elements to improve bushing life

Weight Savings

- STEERTEK NXT's unique design provides up to 23 pounds of weight savings compared to traditional forged I-beam axles

Increased Maneuverability

- Optimized steering performance delivers up to 55-degrees of wheel cut

Advanced Suspension Integration

- The STEERTEK NXT axle easily integrates with a variety of suspensions, allowing STEERTEK NXT to serve as the platform for many OEM proprietary and next generation front suspension systems

Integrated Axle Seats

- Improve ground clearance
- Reduce part count
- Simplify assembly

Warranty

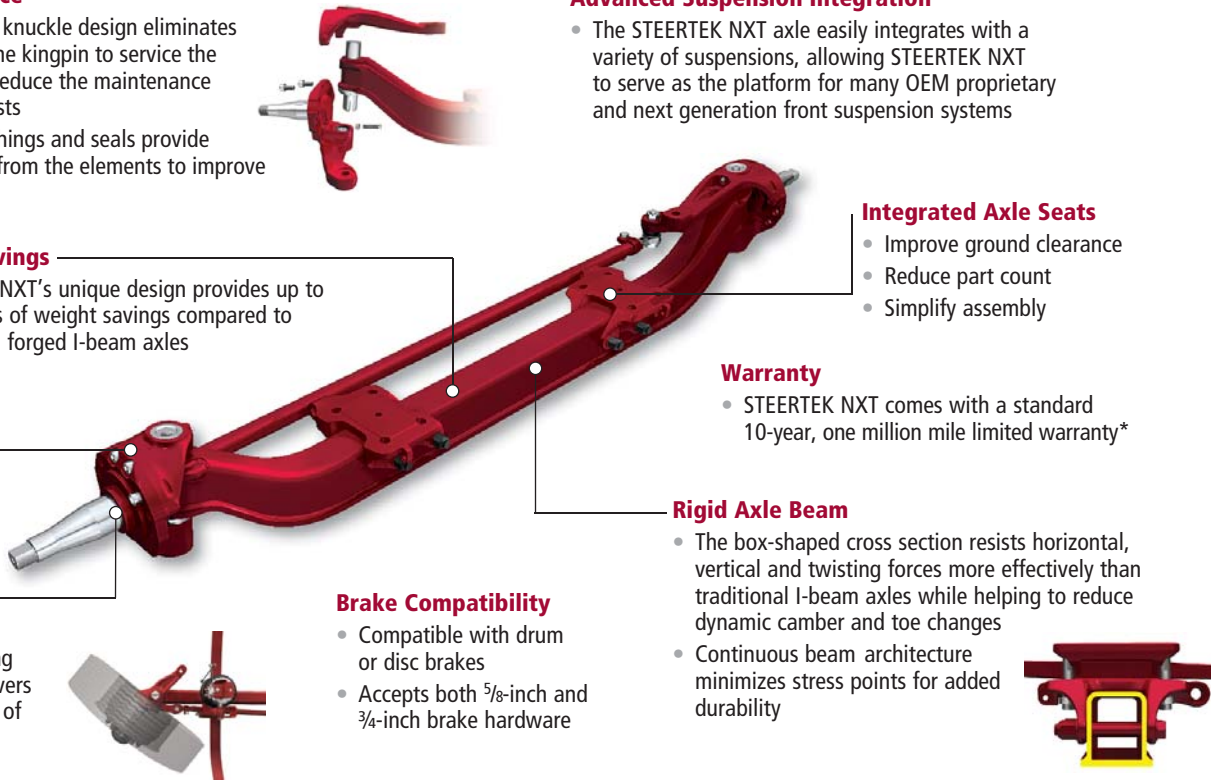
- STEERTEK NXT comes with a standard 10-year, one million mile limited warranty*

Rigid Axle Beam

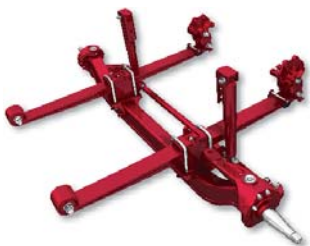
- The box-shaped cross section resists horizontal, vertical and twisting forces more effectively than traditional I-beam axles while helping to reduce dynamic camber and toe changes
- Continuous beam architecture minimizes stress points for added durability

Brake Compatibility

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



System Design EFFICIENCY



STEERTEK NXT with leaf springs

STEERTEK NXT is the platform for both Hendrickson's next generation and OEM proprietary front suspension systems, providing greater reliability, innovation and weight savings. STEERTEK NXT serves as the durable, lightweight alternative to traditional I-beam axles. The unique design and proprietary manufacturing technology reduces weight and part count for a comprehensive portfolio of both air and mechanical suspensions. STEERTEK NXT will accommodate a variety of wheel-end and knuckle designs, including global specifications.



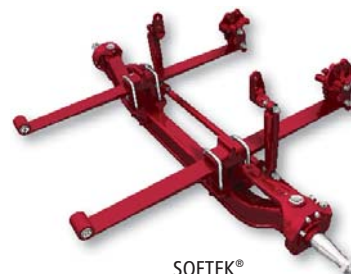
STEERTEK NXT with leading arm suspension



Proprietary air suspension



AIRTEK®



SOFTEK®



Integrated front monoleaf suspension and fabricated steer axle system to maximize weight savings

Shackle Redundancy

- Replaces the need for a second leaf thus reducing weight

Rubber Bushings

- Help reduce maintenance and noise
- Require no lubrication

Two-piece Knuckle Assembly

- Reduces the time required to service the kingpin bushings
- Premium kingpin bushings and seals provide enhanced protection from the elements to improve bushing life

Tie Rod Arm

- Integrated for increased strength and reduced weight

Warranty

- STEERTEK NXT comes with a standard 10-year, 1 million mile limited warranty*

Monoleaf Spring Technology

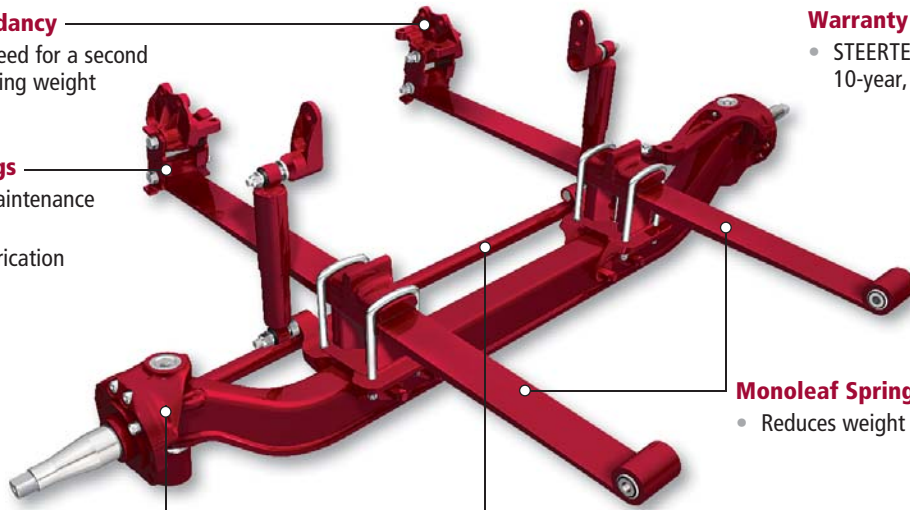
- Reduces weight and eliminates inter-leaf friction

Brake Compatibility

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

Weight Savings

- Breakthrough design with integrated monoleaf springs and STEERTEK NXT saves up to 70 pounds compared to traditional forged axles with two leaf springs



Weight EFFICIENCY



STEERTEK NXT is the backbone of best-in-class lightweight front suspension and axle systems creating the ultimate in weight saving solutions. STEERTEK NXT integrates with Hendrickson's monoleaf spring technology to form SOFTEK® which provides up to 70 pounds of weight savings compared to a traditional forged axle with two leaf springs. Hendrickson's lightweight products will trim weight from the truck to help realize increased payloads and improved fuel efficiency.

* 10-year, one 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. Contact Hendrickson for full warranty details and limitations.

STEERTEK NXT The NeXT Generation

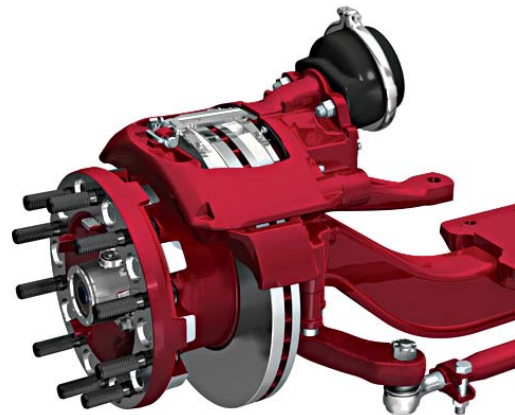
Chosen by many OEMs as the standard axle for select vehicle models, STEERTEK NXT is approved for on-highway and medium-duty trucks, buses and motorhome applications. STEERTEK NXT is available in capacities up to 14,600 pounds.

Braking **EFFICIENCY**

STEERTEK NXT's unique design includes a rigid beam that provides greater torsional stiffness required to meet new brake designs. STEERTEK NXT has been validated to manage the increased brake torque loads resulting from the new F.M.V.S.S. No. 121 stopping distance requirements and is compatible with both drum and disc brakes with either $\frac{5}{8}$ -inch or $\frac{3}{4}$ -inch hardware to allow for multiple brake solutions. The new low-profile knuckle allows air disc brakes to be packaged at 12 o'clock positioning.



STEERTEK NXT equipped
with drum brake



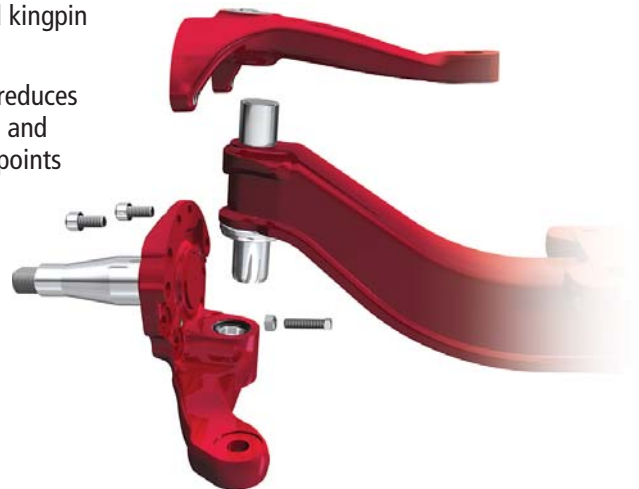
STEERTEK NXT equipped
with disc brake

Maintenance **EFFICIENCY**

STEERTEK NXT helps lower maintenance costs with new and improved kingpin bushings with dual lip seals to provide longer bushing life.

The innovative two-piece knuckle improves knuckle serviceability and reduces the labor hours required to replace kingpin bushings, saving both time and resources. In addition, continuous beam architecture minimizes stress points for added durability.

STEERTEK NXT comes standard with an industry leading 10-year, one million mile limited warranty*, helping to lower the total cost of ownership.



Advanced knuckle design

*Contact your local Hendrickson representative for complete warranty details.

STEERTEK NXT Specifications

Capacity Rating	Model	Beam Width (KPI)	Center Beam Drop ¹	Axle Weight ²
10,000 lbs.	STK 100-212	69.0 in.	4.25 in.	319 lbs.
	STK 100-222	69.0 in.	5.36 in.	320 lbs.
	STK 100-112	70.9 in.	4.25 in.	322 lbs.
	STK 100-122	70.9 in.	5.36 in.	323 lbs.
12,000 lbs.	STK 120-212	69.0 in.	4.25 in.	319 lbs.
	STK 120-222	69.0 in.	5.36 in.	320 lbs.
	STK 120-112	70.9 in.	4.25 in.	322 lbs.
	STK 120-122	70.9 in.	5.36 in.	323 lbs.
12,350 lbs.	STK 123-112	70.9 in.	4.25 in.	322 lbs.
12,500 lbs.	STK 125-112	70.9 in.	4.25 in.	322 lbs.
	STK 125-122	70.9 in.	5.36 in.	323 lbs.
13,200 lbs.	STK 132-112	70.9 in.	4.25 in.	357 lbs.
	STK 132-122	70.9 in.	5.36 in.	359 lbs.
14,600 lbs.	STK 146-212	69.0 in.	4.25 in.	354 lbs.
	STK 146-112	70.9 in.	4.25 in.	357 lbs.
	STK 146-122	70.9 in.	5.36 in.	359 lbs.

1. Axle beam drop is measured from the kingpin intersection to the top of the axle beam.
2. Axle weight includes axle seats, through bolts, nuts, washers, knuckle / steering arm assemblies and tie rod assemblies.

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Contact Hendrickson and vehicle manufacturer for approval and guidelines on any application that exceeds 15 percent off road usage.

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

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.

Call your truck dealer or Hendrickson at **630.910.2800** or **855.RIDERED (743.3733)** for additional information.



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