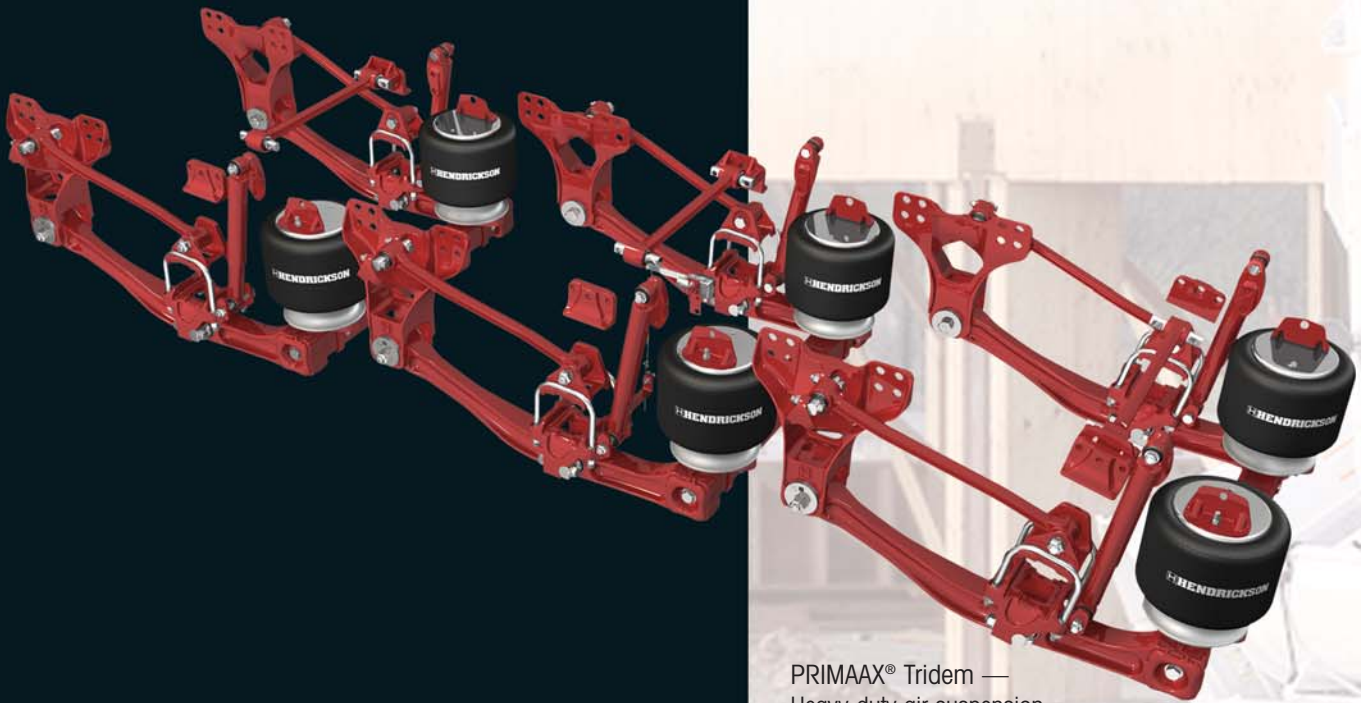


THE SUSPENSION SOLUTION FOR

TRIDEM REAR-DISCHARGE MIXERS

# **PRIMAAX<sup>®</sup>** Tridem Air Suspension System

Hendrickson has developed a revolutionary air suspension package for rear-discharge mixers. This solution increases payload, performance and durability, saving hundreds of pounds over traditional suspension configurations. Specify PRIMAAX<sup>®</sup> heavy-duty air suspension system for your tridem rear-discharge mixer.



PRIMAAX<sup>®</sup> Tridem —  
Heavy-duty air suspension

For additional information, call **630.910.2800** or visit the Hendrickson website at [www.hendrickson-intl.com](http://www.hendrickson-intl.com).

*For The Road Ahead<sup>™</sup>*

 **HENDRICKSON**

**QUIK-ALIGN®**

- Allows easy axle alignment without shims
- Reduces maintenance time and helps extend tire life

**Genuine Hendrickson Torque Rods**

- Three-rod configuration reduces axle stress, welding and complexity
- Maintain axle position and pinion angle throughout axle travel
- Premium rubber bushings increase service life
- Designed for optimum wheel-end clearance and articulation

**Support Beams**

- Rugged forged design for peak loading and greater durability
- Robust rubber bushings improve service life and eliminate lubrication requirements

**Axle Connections**

- D-pin axle connection decreases torsional axle stress for reduced maintenance and increased joint integrity
- Integrated axle stop contact pads reduce axle stress
- Maintain clamp load to reduce the need for re-torque
- Axle welding eliminated for reduced axle stress

**Height Control Valve**

- Maintains proper suspension ride height

**Air Springs**

- Large-volume, low-frequency design for improved ride
- Equalize load between axles in uneven terrain

**Heavy-duty Shock Absorbers**

- Positioned and tuned for optimum damping characteristics
- Protect air springs from overextension

**Cross Beams**

- Seamless drawn fabrication technology forms a robust torsion system with forged support beams, improving stability
- Integrated air spring mounts
- Increased ground clearance versus similar air suspensions

- **Stability and handling** — Heavy-duty forged beams and a unique cross brace interact to form a rigid torsion and stabilizer system for increased vehicle stability and handling
- **Mobility and traction** — Up to 12.5 inches of unrestricted diagonal wheel articulation provide outstanding traction for confidence to tackle demanding jobs
- **Comfort and protection** — Specially designed, large-volume, low-frequency air springs ensure optimal ride performance and vehicle protection
- **Unique suspension geometry** — Parallelogram design significantly reduces suspension-induced vibration to protect equipment and components from damage
- **No lubrication** — Heavy-duty rubber bushings reduce maintenance

	Capacity	Installed Weight <sup>1</sup>	Axle Configuration	GCW Approval	Site Travel Rating <sup>2</sup>	Axle Travel <sup>3</sup>	Ground Clearance	Lift Axles	Ride Heights	Engine Torque Restrictions	Axle Spacing
<b>PAX 690</b>	69,000 lbs.	1,590 lbs.	Tridem	See Axle Manufacturer Recommendation	76,000 lbs.	8 in.	10.75 in.	Approved	8.5 to 15.5 in.	None	52 to 60 in.
<b>PAX 780</b>	78,000 lbs.	1,926 lbs.	Tridem	See Axle Manufacturer Recommendation	90,000 lbs.	8 in.	10.75 in.	Approved	8.5 to 10.0 in.	None	54 to 60 in.

1. Installed weight includes complete suspension; torque rods; axle and frame brackets, and all hardware. Published weight is for standard PRIMAAX suspension using 10-inch ride height. Other configurations may change weight.
2. Site travel rating — operators using vehicles equipped with liftable push or tag axles must not exceed published ratings. Ratings are limited to no more than five percent of vehicle operation at a speed not to exceed five mph. Liftable pusher or tag axles should be raised (or unloaded) to improve vehicle maneuverability in off-road use or when vehicle is empty. Site travel ratings are consistent with specifications and must not be exceeded.
3. Axle travel may be limited by vehicle manufacturer; axle stop settings may restrict suspension's articulation.

www.hendrickson-intl.com



Truck Suspension Systems  
800 South Frontage Road  
Woodridge, IL 60517-4904 USA

630.910.2800  
Fax 630.910.2899