

THE SUSPENSION SOLUTION FOR

FRONT DISCHARGE MIXERS

H PRIMAAX® / COMPOSILITE™ ST

Air-Ride Suspension Systems

Hendrickson has developed a revolutionary air suspension package for front discharge mixers. This solution increases payload, performance and durability. By specifying the PRIMAAX® heavy-duty air-ride rear suspension and COMPOSILITE™ ST lift axle, you can save hundreds of pounds over traditional suspension configurations.

PRIMAAX® —
Heavy-duty air suspension

COMPOSILITE™ ST —
Lightweight steerable lift axle



For The Road Ahead™

H HENDRICKSON



PRIMAAX®



COMPOSILITE™ ST

INCREASED PAYLOAD

PRIMAAX® — This innovative design is more than 200 pounds lighter than traditional air suspensions for front discharge mixers

COMPOSILITE™ ST — By adding this lightweight lift axle system, payload capacity is increased while saving more than 105 pounds over earlier models

More than 300 pounds of weight savings

IMPROVED PERFORMANCE

PRIMAAX

- **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 provides 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

COMPOSILITE ST

- **Eliminate bushing windup** — Zero torsion bushings spin freely to eliminate bushing windup — provides more consistent down force and reduced lift force resistance
- **Reduce force needed** — With more efficient lift geometry and improved bushing performance, only one half the amount of force is required to operate the lift axle
- **Smaller fit, tighter turn** — In-line, air springs reduce packaging space to 23.5 inches with 31 degrees of wheel cut

REDUCED MAINTENANCE

PRIMAAX

- **Unique suspension geometry** — Parallelogram design significantly reduces suspension induced vibration to protect equipment and components from damage
- **Easy axle alignment** — Hendrickson's QUIK-ALIGN® offers a fast method to ensure proper alignment for improved tire life
- **Protected shock absorbers and air springs** — Shock absorbers and air springs packaged within the tire envelope for added protection
- **No lubrication** — Heavy-duty rubber bushings reduce maintenance

COMPOSILITE ST

- **Enhanced stabilizer life** — Enclosed stabilizer protects rod throughout travel
- **Extended bushing life** — Bronze bushing and kingpin point extend the life of the bushing
- **Eliminate wear pads** — Urethane bushing has a hat section that protects the bushing while combining lateral strength
- **Draw key kingpin design** eases kingpin and bushing serviceability

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