



Run Smart™

FREIGHTLINER

VENDOR COMPONENTS



HENDRICKSON PRIMAAX® EX

With its rugged, weight efficient design, PRIMAAX® EX is a premium heavy-duty rear air suspension that delivers advanced suspension technology for the rigorous demands of vocational, severe service and heavy haul applications. PRIMAAX EX offers a premium ride and optimal performance by adjusting to both the load and road conditions, while demonstrating outstanding diagonal wheel articulation for superior off-road mobility. The system features a new robust structural design with optimized suspension geometry for improved durability, reliability and handling characteristics. Structural beams form a solid connection with the square cross brace to form a rigid torsion and stabilizer system. In addition, the unique torque rod configuration contributes to more than twice the roll stability of the nearest independent competitive system. PRIMAAX EX minimizes

suspension induced driveline vibration and significantly controls suspension windup and corresponding frame rise. Premium, heavy-duty rubber bushings require no lubrication and are performance tested for longer service life.

PRIMAAX EX is available in capacities of 23,000 and 26,000 lbs. (single-axle), 46,000 and 52,000 lbs. (tandem-axle) and 69,000 and 78,000 lbs. (tridem-axle). The system is ideal for a variety of grueling vocational and severe-duty applications, including construction, refuse, mixer, logging and heavy-haul applications.



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HENDRICKSON PRIMAAX® EX

MAAXimize Performance and Durability

Genuine Hendrickson Torque Rods

- Optimized configuration helps improve handling and roll stiffness for expanded applications
- Premium retained rubber bushings for increased service life and resistance to walkout
- Alternative rods available for disc brake use

QUIK-ALIGN®

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

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

Air Springs

- Large volume, low frequency design for improved ride
- Advanced design air springs lift and support the load with less air pressure

Structural Beams

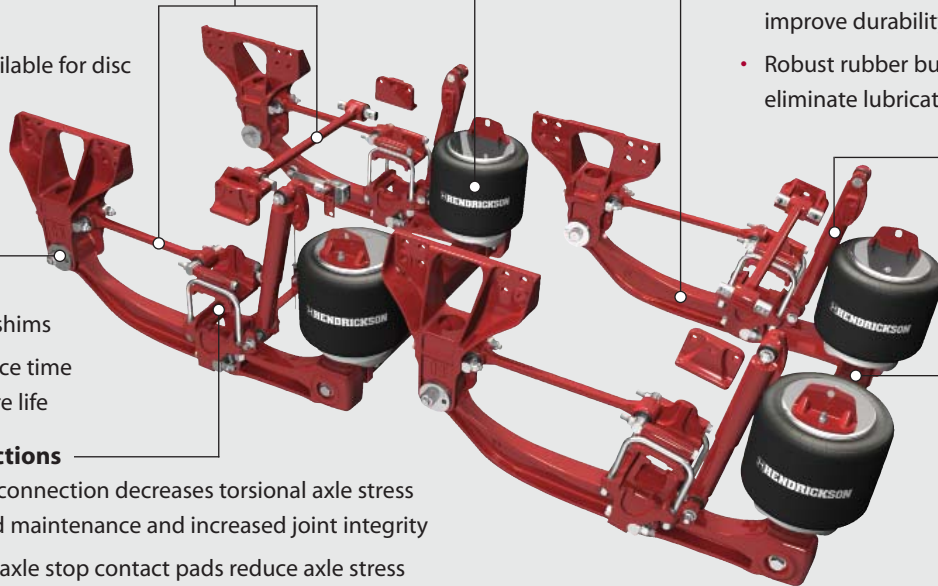
- Redesigned beams utilize premium materials to improve durability more than 350 percent*
- Robust rubber bushings improve service life and eliminate lubrication requirements

Heavy-duty Shock Absorbers

- Positioned and tuned for optimum damping characteristics

Cross Beams

- Seamless fabrication technology forms a robust torsion system with structural beams, improving stability



*Based on lab testing

PRIMAAX® EX SPECIFICATIONS

Suspension Capacity	Data Code	GCW Rating	Site Travel Rating	Axle Configuration
23,000 lbs.	622-1H0	90,000 lbs.	30,000 lbs.	Single
26,000 lbs.	622-1H1	140,000 lbs.	33,000 lbs.	Single
46,000 lbs.	622-1H2	190,000 lbs.	60,000 lbs.	Tandem
52,000 lbs.	622-1H3	245,000 lbs.	66,000 lbs.	Tandem
69,000 lbs.	622-1H4	See Axle Manufacturer Recommendation	90,000 lbs.	Tridem
78,000 lbs.	622-1H6	See Axle Manufacturer Recommendation	99,000 lbs.	Tridem

PRIMAAX EX is available on the following Freightliner models: Business Class, M2 106, M2 112, M2 112V, Argosy, Century Class, Columbia, Coronado, Coronado SD and FLD 120SD.

For important conditions associated with the above referenced specifications and additional information regarding this product, refer to Hendrickson publication No. 45745-178. Information contained in this literature was accurate at the time of publication.



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