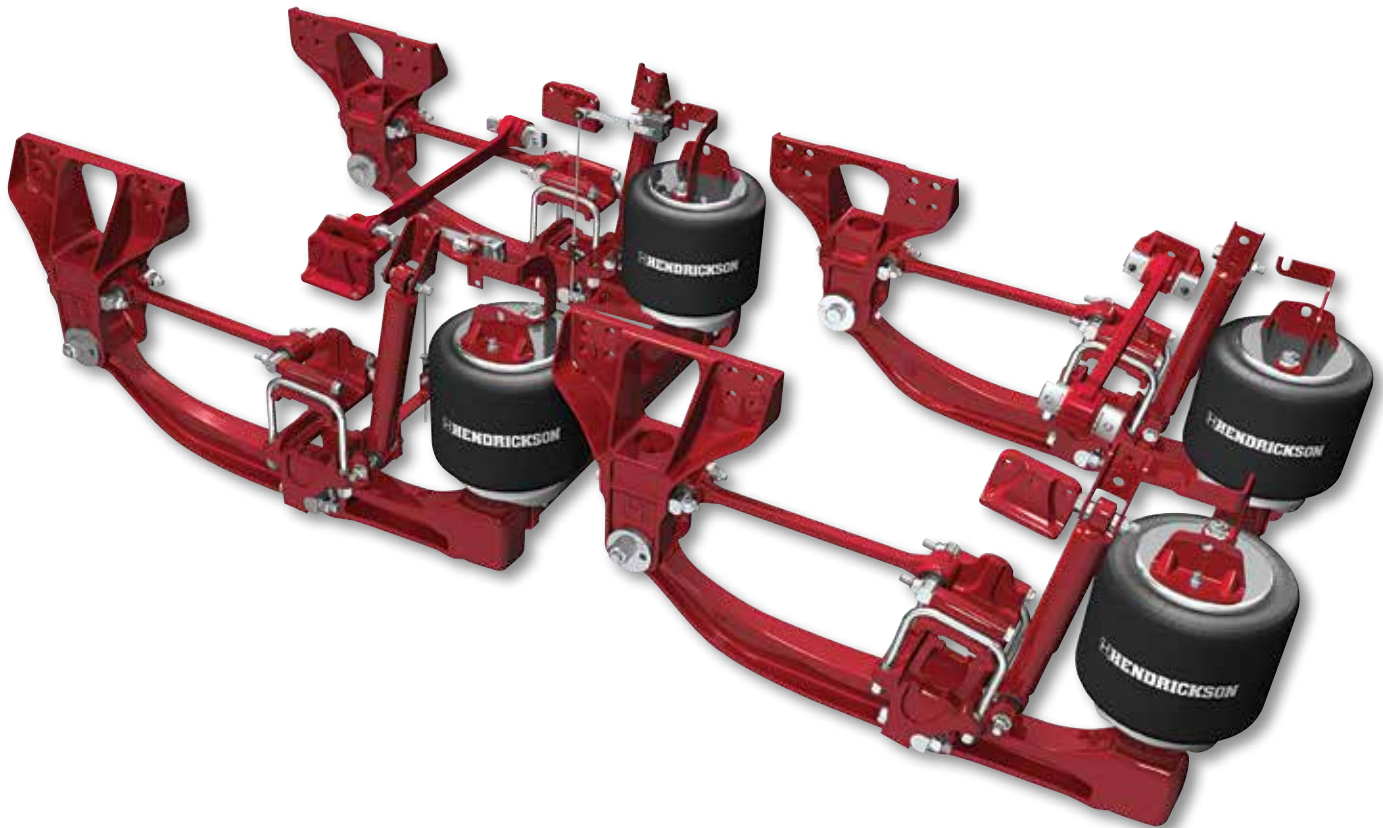


FIREMAAX[®] EX

Severe-Duty Rear Air Suspension System for Fire & Rescue Applications



- MAAximize ride quality
- MAAximize stability
- MAAximize equipment protection



To learn more about FIREMAAX EX,
call 855.743.3733 or visit www.hendrickson-fire.com

 **HENDRICKSON**
The World Rides On Us[®]

FIREMAAX® EX Features and Benefits

Genuine Hendrickson Torque Rods

- Three-rod configuration reduces axle stress, welding and complexity
- Optimized configuration helps improve handling and roll stiffness
- Premium retained rubber bushings for increased service life and resistance to walkout
- Alternative rods available for disc brake use

Dual Upper Air-Spring Support Brackets

- Protect air springs during extreme maneuvers or when outriggers are used

Air Springs

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

Cast Structural Beams

- Advanced beams utilize premium materials for high durability and reliability
- Robust rubber bushings improve service life and eliminate lubrication requirements

QUIK-ALIGN®

- Allows for easy axle alignment to extend tire life
- Alignment achieved without the use of shims

Axle Connections

- Axle pivot connections decrease torsional axle stress for reduced maintenance and increased joint integrity
- Integrated axle stop contact pads reduce axle stress

Heavy-Duty Shock Absorbers

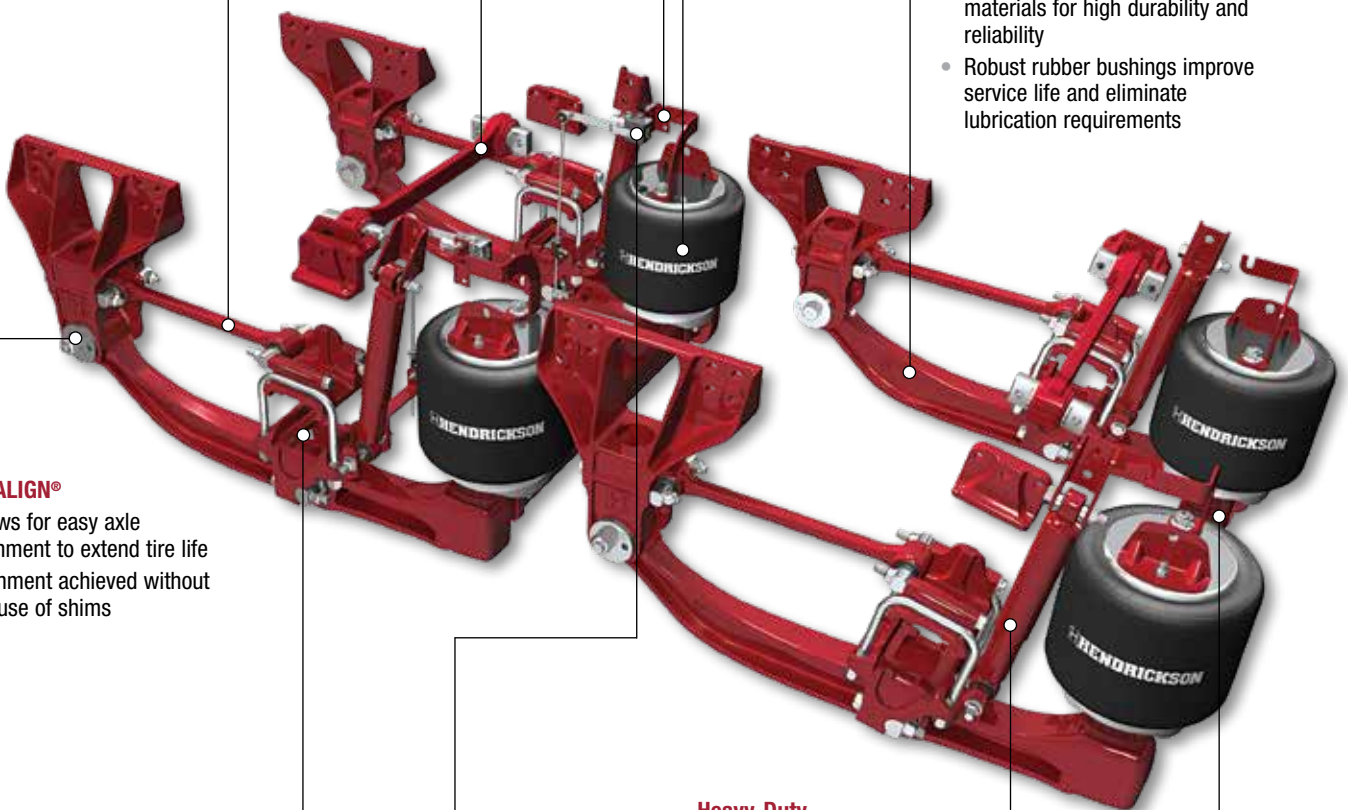
- Positioned and tuned for optimum damping characteristics
- Protect air springs from overextension

Dual Height Control Valves

- React quickly to maintain proper ride height

Cross Beams

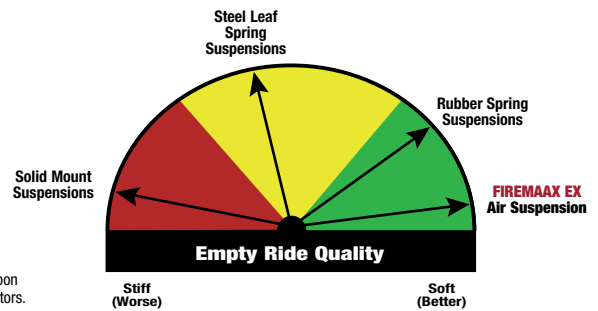
- Seamless fabrication technology forms a robust torsion system with structural beams, improving stability
- Increased ground clearance versus similar air suspensions



MAAXimize Ride Comfort and Vehicle Protection

The FIREMAAX® EX severe-duty rear air suspension system provides a package of benefits tailored for emergency vehicle applications. Its outstanding ride produces superior driver and passenger comfort while helping to protect critical, life-saving equipment and costly electronic components from excessive vibration and road shock. The suspension geometry and air spring design work together to produce low natural frequencies, resulting in a premium ride.

Data is based upon internal testing and/or published specifications. Actual product specifications and performance may vary depending upon suspension and vehicle configuration, operation, service and other factors.



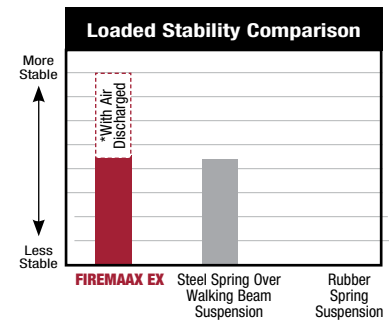
MAAXimize Stability and Handling

Cast structural beams form a solid connection with the square cross brace to form a rigid torsion and stabilizer system **without the need for re-torque**. This low-maintenance design delivers greater stability for improved control on and off the job site. Exhausting the air springs further increases stability during job site operation.



Stabilizer System

FIREMAAX EX has better handling characteristics to improve road feel. The unique torque rod configuration can contribute to more than twice the roll stability versus competitive air suspensions, along with improved handling. Roll steer is reduced to provide greater control during lane changes, highway ramp operation and tight or twisting road maneuvers.



* Air exhausted from suspension system to provide additional stability when dumping or in stationary events where there is a high center of gravity or uneven terrain.

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MAAXimize Maintenance and Durability

- **Unique suspension geometry** — Optimized configuration significantly controls suspension windup and corresponding frame rise while increasing roll stiffness and reducing roll steer



Optimized geometry design

- **Easy axle alignment** — Hendrickson's proven QUIK-ALIGN® axle alignment system helps save time and money — offers a fast method to ensure proper alignment for improved tire life
- **D-pin axle connection and clamp group** — Reduce stress input into the axle housing by transferring the torsional loads to the integrated stabilizer system, which helps extend axle and joint service life



QUIK-ALIGN® — Rotating the eccentric collar allows up to 1 inch of axle alignment per side

- **Large volume air springs** — Provide superb ride quality while reducing vibration and harshness to cab, chassis and body equipment for reduced total vehicle maintenance
- **Component protection** — Air springs and shock absorbers are designed to package within the envelope of the tire for protection against damage



Disc brake configuration

- **Cast structural beam** — Advanced beams utilize premium materials for high durability and reliability
- **Alternative torque rods** — Available to broaden packaging compatibility with disc brakes



Protected shock and air spring (shown with 11R 22.5 tire)

	FIREMAAX® EX					
Capacity (lbs.)	24,000	27,000	31,000	48,000	54,000	62,000
Installed Weight¹ (lbs.)	550	658	665	1,090	1,305	1,320
Axle Configuration	Single	Single	Single	Tandem	Tandem	Tandem
Axle Travel² (in.)	8	8	8	8	8	8
Ground Clearance³ (in.)	10.75	10.5	10.5	10.75	10.5	10.5
Ride Heights⁴ (in.)	8.5 - 15.5	8.5 - 12.5	8.5 - 15.5	8.5 - 15.5	8.5 - 15.5	8.5 - 15.5
Axle Spacing (in.)	N/A	N/A	N/A	52 - 72.5	54 - 72.5	54 - 72.5
Disc Brake Compatibility	Yes	Yes	No	Yes	Yes	No

- FIREMAAX® EX capacity ratings apply to fire and rescue market only.
 - FIREMAAX EX may be referred to as PRIMAX® EX by some OEMs.
 - For additional details regarding specifications, applications, capacities, operating, service and maintenance instructions, refer to applicable Hendrickson technical literature (available at www.hendrickson-intl.com) or contact Hendrickson at 630-910-2800.
1. Installed weight includes complete suspension, torque rods, axle and frame brackets and all hardware. Published weight is based on a standard FIREMAAX EX suspension is compatible with drum brakes using 10-inch ride height. Other configurations may vary.
 2. Suspension articulation may exceed vehicle's capability and may be limited by vehicle manufacturer; vehicle manufacturer installed axle stops may restrict suspension's articulation
 3. Ground clearance is based on a standard FIREMAAX EX suspension with 11R22.5 tire size.
 4. For different ride height options, please contact Hendrickson (630.910.2800), or your truck manufacturer or your dealer.

*Actual product performance may vary depending upon vehicle configuration, operation, service and other factors.
All applications must comply with applicable Hendrickson specifications and must be approved by the respective vehicle manufacturer with the vehicle in its original, as-built configuration.
Contact Hendrickson for additional details regarding specifications, applications, capacities, operation, service and maintenance instructions.*

Call Hendrickson at 630.910.2800 or 855.RIDERED (743.3733) for additional information.



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