- MAAXimize ride quality
- MAAXimize stability
- MAAXimize equipment protection

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

Genuine Hendrickson Torque Rods
- Optimized configuration improves handling and roll stiffness
- Retained rubber bushings increase service life and resist 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
- Torque rod bar-pin connection increases bushing reliability and reduced maintenance time

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
- Form a robust torsion system with structural beams, improving stability
- Increased ground clearance versus similar air suspensions

Optional Hendrickson Torque Rods
- Optimized configuration improves handling and roll stiffness
- Retained rubber bushings increase service life and resist walkout
- Alternative rods available for disc brake use
**MAAXimize Ride Comfort and Vehicle Protection**

The FIREMAAX® EX heavy-duty rear air suspension 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.

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

**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

**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

**Cast structural beam** — Advanced beams utilize premium materials for high durability and reliability

**Alternative torque rods** — Available to broaden packaging compatibility with disc brakes

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**

FIREMAAX EX provides enhanced stability for demanding fire / rescue vehicle applications, delivering more than twice the roll stiffness compared to other air suspensions.

Cast structural beams form a solid connection with the square cross beam to form a rigid torsion and stabilizer system. This integrated feature delivers greater stability and improved control during tight road maneuvers and lane changes.

**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

- **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

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## FIREMAAX® EX Specifications

### Specifications Table

<table>
<thead>
<tr>
<th></th>
<th>FMX 242</th>
<th>FMX 272</th>
<th>FMX 312</th>
<th>FMX 482</th>
<th>FMX 542</th>
<th>FMX 622</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity (lbs.)</td>
<td>24,000</td>
<td>27,000</td>
<td>31,000</td>
<td>48,000</td>
<td>54,000</td>
<td>62,000</td>
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<tr>
<td>Installed Weight¹ (lbs.)</td>
<td>550</td>
<td>658</td>
<td>665</td>
<td>1,090</td>
<td>1,305</td>
<td>1,320</td>
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<tr>
<td>Axle Configuration</td>
<td>Single</td>
<td>Single</td>
<td>Single</td>
<td>Tandem</td>
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<tr>
<td>Axle Travel² (inches)</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
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<td>8</td>
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<tr>
<td>Ground Clearance³ (inches)</td>
<td>10.75</td>
<td>10.5</td>
<td>10.5</td>
<td>10.75</td>
<td>10.5</td>
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<tr>
<td>Ride Heights⁴ (inches)</td>
<td>8.5 to 15.5</td>
<td>8.5 to 12.5</td>
<td>8.5, 10, 13</td>
<td>8.5 to 15.5</td>
<td>8.5 to 12.5</td>
<td>8.5, 10, 13</td>
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<tr>
<td>Axle Spacing (inches)</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>52 to 72.5</td>
<td>54 to 72.5</td>
<td>54 to 72.5</td>
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<tr>
<td>Disc Brake Compatibility</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

- FIREMAAX® EX capacity ratings apply to fire and rescue market only.
- FIREMAAX EX may be referred to as PRIMAAX® 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 compatible with drum brakes using 10-inch ride height. Other configurations may vary.
2. Axle travel may be limited by vehicle manufacturer; axle stop settings and shock stroke may restrict suspension’s articulation. Varying ride heights and configurations may restrict travel.
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.

This product is covered by at least one or more U.S. and/or foreign patents and/or pending U.S. and/or foreign patent applications. See Hendrickson for details.

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**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.

Extended Warranty options available at [www.hendrickson-intl.com](http://www.hendrickson-intl.com)

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