- Maximize payload
- Maximize driver comfort
- Maximize durability

To learn more about HN Series
call 855.743.3733 or visit
www.hendrickson-intl.com
**HN® SERIES Lightweight for Increased Payload**

**VariRate® Spring System**
- Delivers a combination of superior stability, articulation and ride

**Rubber Bolster Springs**
- Lightly loaded conditions, articulation and ride
- Stable for demanding applications such as refuse trucks, concrete mixers and dumps
- Exceptional articulation in empty or lightly loaded conditions
- Extra wide spring centers provide excellent articulation and ride

**Auxiliary Springs**
- Engage while loaded to provide added stability when dumping or maneuvering

**Diagonally-mounted rubber bolster springs deliver superior ride quality.**

**Equalizing Beam**
- Formed and robotically-welded beam provides a narrow profile for weight savings
- Distributes load equally between both axles for improved traction
- Lower center of gravity for improved stability
- Establishes a solid axle connection for improved handling
- Center bushing eliminated for reduced maintenance

**Genuine Hendrickson Torque Rods**
- Improve cornering by controlling lateral forces
- Transverse rods ensure maximum lateral axle control and straight line suspension stability
- Longitudinal rods engineered to optimize resistance to wind up during acceleration and braking

**Shock Absorbers**
- Integrated design reduces axle hop and enhances ride quality

**Weight-saving, high-strength design increases payload capacity and durability**

**Unloaded Condition**
- HN® Series vs. RS Series rubber load cushion
- Weight includes the suspension system and related components. Data is based on internal testing and / or published specifications. Actual product specifications and performance may vary depending upon suspension and vehicle configuration, operation, service and other factors.

**Loaded Condition**
- Diagonally-mounted rubber bolster springs act in compression and shear to provide optimum spring deflection for outstanding ride quality.

**Maximize Driver Comfort and Confidence**

The heart of the HN® Series suspension is the VariRate® spring system. In the empty or lightly loaded condition, the unique diagonally-mounted rubber bolster springs deliver superior ride quality. Extra wide spring centers and auxiliary springs provide exceptional stability for demanding applications such as refuse trucks, concrete mixers and dumps. Here’s how it works:

**Maximize Ride and Stability**

Combining empty ride quality with loaded stability, Hendrickson’s VariRate Spring System outperforms other suspension systems.

**Maximize Uptime**

Reduced Maintenance Through Advanced Design
- The robotically-welded equalizing beam design eliminates center bushings and lubrication requirements, significantly reducing scheduled maintenance.
- Hendrickson’s unique bar pin beam end connection extends service life and offers axle alignment capability for accurate wheel tracking and improved tire life.
- Hendrickson’s unique bonded torque rod bushings greatly increase service life.
- By eliminating the outer metal sleeve, Hendrickson made rebushing faster and easier.
- Hendrickson parts are available at thousands of service locations worldwide.

**Maximize Traction**

Excellent Traction for Outstanding Off-Road Mobility

The HN Series unique combination of equalizing beam and VariRate technology provides excellent traction on punishing job sites. When loaded, HN suspensions allow 17 inches* of diagonal wheel articulation to keep load on all drive wheels. Unloaded articulation varies with vehicle configuration and empty body weight.

* Suspension articulation may exceed vehicle’s capability and may be limited by vehicle manufacturer; vehicle manufacturer installed axle stops may restrict suspension’s articulation.
## HN® SERIES Specifications

<table>
<thead>
<tr>
<th></th>
<th>HN 402</th>
<th>HN 462</th>
<th>HN 522</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installed Weight¹ (54-in. axle spacing)</td>
<td>935 lbs.</td>
<td>948 lbs.</td>
<td>955 lbs.</td>
</tr>
<tr>
<td>Suspension Rating</td>
<td>40,000 lbs.</td>
<td>46,000 lbs.</td>
<td>52,000 lbs.</td>
</tr>
<tr>
<td>GVW Approval²</td>
<td>73,000 lbs.</td>
<td>80,000 lbs.</td>
<td>80,000 lbs.</td>
</tr>
<tr>
<td>GCW Approval</td>
<td>160,000 lbs.</td>
<td>190,000 lbs.</td>
<td>245,000 lbs.</td>
</tr>
<tr>
<td>Site Travel Rating³</td>
<td>55,000 lbs.</td>
<td>60,000 lbs.</td>
<td>65,000 lbs.</td>
</tr>
<tr>
<td>Diagonal Articulation⁴</td>
<td>17 inches</td>
<td>17 inches</td>
<td>17 inches</td>
</tr>
<tr>
<td>Lift Axles</td>
<td>Approved</td>
<td>Approved</td>
<td>Approved</td>
</tr>
<tr>
<td>Axle Spacing</td>
<td>52, 54, 60, 72.5 inches</td>
<td>54, 60, 72.5 inches</td>
<td>54, 60 inches</td>
</tr>
<tr>
<td>Wheel Base Restrictions</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

HN® Series suspensions are intended for a wide range of applications, including dump, refuse, mixer and logging. All such applications must comply with applicable Hendrickson specifications and must also be approved by the respective vehicle manufacturer with the vehicle in its original, as-built configuration. Contact Hendrickson and the respective vehicle manufacturer for approval of additional applications.

A variant of the HN system called HN FR is available for fire and rescue applications. Please see Hendrickson literature number 45745-318 for further details regarding the HN FR system. If you have any questions, contact Hendrickson or your local truck dealer.

¹ Installed weight includes complete suspension, torque rods, axle brackets, shock absorbers and frame brackets.

² Contact Hendrickson for applications that may exceed GVW approval ratings.

³ Site Travel Rating — Operators using vehicles equipped with liftable pusher or tag axles must not exceed published ratings. Ratings are limited to no more than 5 percent of vehicle operation at speed not to exceed 5 mph. Liftable pusher or tag axles should only be raised (or unloaded) to improve vehicle maneuverability in off-road use or when vehicle is empty. Site travel ratings are consistent with published axle manufacturer’s limitations. Axle and suspension site travel specifications must not be exceeded.

⁴ Suspension articulation may exceed vehicle’s capability and may be limited by vehicle manufacturer; vehicle manufacturer installed axle stops may restrict suspension’s articulation.

**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

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