TRAILER MODEL APPLICATIONS
Steer and Non-Steer Lift Axle Suspension Systems
Visit us on the web and spec your Lift Axle in a few clicks!

www.hendrickson-intl.com/Auxiliary

**STEP 1**
Configure Your Lift Axle

Configure your Lift Axle to your specifications with a few simple drop down menu picks.

**STEP 2**
Get Results

- Part Number
- Part Details

Results will give you a part number and details about your lift axle.
Hendrickson Specialty Products - Auxiliary Axle Systems
Platform of Trailer Lift Axes

Hendrickson is the leading tier one OEM supplier of heavy-duty trailer lift axle suspensions for the North American commercial vehicle industry. Our commitment to quality and product innovation drives the industry leadership position, thus promoting the development of products that enhance performance and durability.

Hendrickson has an extensive field sales, parts and service organization to support our customers around the globe - trailer owners, dealers, fleets and OEMs. Our investment in new technologies will continue as we strive to deliver customers more value.

INNOVATION...DRIVEN BY YOU.

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Air Control Systems — Lift Axles

HAC-UCC: Outside the cab composite box
HAC-USO: Outside the cab stainless box
HAC-MCA: Outside the cab controls - auto lift when vehicle turned off

Air Kit Features:
- Compact size reduces amount of space required to mount controls
- Fewer fittings reduce system leak potential
- Higher airflow delivers better response when air controls are activated
- Color-coded connections provide easy identification and reduce installation time
- Inside and outside the cab air kit models available

Air Disc Brakes

Versatile Braking Application
Designed for applications with extremely demanding brake usage, air disc brakes provide consistent performance during extended braking application cycles such as long descending grades. Combined with the market leading lightweight advantages of COMPOSILITE® and TOUGHLIFT® axles, Hendrickson air disc packages deliver leading technology and the competitive edge fleets expect from Hendrickson.

To learn more about Air Disc Brakes, call (800) 660-2829 for the Lift Axle Models Available with Air Disc Brakes

Other air disc brake options (such as the MAXX22™ pictured to the right) available soon.

COMPOSILITE® and TOUGHLIFT®

Strengthen your competitive edge

Worldwide, OEMs, Fleets and Owner Operators put their trust in Hendrickson for innovative trailer air lift suspension technology. For many years, the Hendrickson lift axle suspensions’ increasing popularity has proven the ability to handle the rigors of the most severe trailer applications. COMPOSILITE® and TOUGHLIFT® lift axle platforms bring a wide breadth of features to meet your hauling challenges. You have the choice of various ride height ranges for light or extreme duty applications, as well as single or dual tire accommodation for maximum capacity range and turning radius or wheel cut.

In any type of Trailer lift axle application, Hendrickson helps to increase your payload, protect your cargo, ensure vehicle control and keep your equipment operating at peak efficiency.

For more information on the COMPOSILITE or TOUGHLIFT Trailer lift axle products, contact your local trailer dealer or Hendrickson Auxiliary Axle Division (Specialty Products Group) at 1-800-660-2829.

Hendrickson Specialty Products - Auxiliary Axle Systems
Platform of Trailer Lift Axes

Hendrickson is the leading tier one OEM supplier of heavy-duty trailer lift axle suspensions for the North American commercial vehicle industry. Our commitment to quality and product innovation drives the industry leadership position, thus promoting the development of products that enhance performance and durability.

Hendrickson has an extensive field sales, parts and service organization to support our customers around the globe - trailer owners, dealers, fleets and OEMs. Our investment in new technologies will continue as we strive to deliver customers more value.

INNOVATION...DRIVEN BY YOU.

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Steerable Lift Axles

Hendrickson introduces the COMPOSILITE® and TOUGHLIFT® families of lift axles for steerable trailer applications. The COMPOSILITE SC series of lift axles delivers all the advantages trailer end-users have come to expect with Hendrickson products: reliability, cost-effectiveness and high quality. All COMPOSILITE SC trailer models come standard with the HD-CTR threaded end tie rod with single point adjustment. For lateral stiffening enhancement a V-Rod design is also built into the 08, 10, 13.5K application - and optional on any 20K configurations. The new TOUGHLIFT LX trailer model offers a round tube axle design and the ability to accommodate various ride heights in a dual tire steerable series. Both steer families offer a full range of trailer lift axle capacities.

COMPOSILITE®

**SCW(B)13K**

- **Optimized Package Design**
  - 22.1-inch package space
  - Shorter trailing arms to condense frame space required

- **V-Rod Feature**
  - V-rod feature added for increased lateral stiffness needed on tight turns

- **Available with Air Disc Brake feature (drum brake shown)**

- **Optimized Linear Damper**
  - Coil spring eliminated to improve damper life
  - 3-year warranty package*

**SCW(B)13K Specifications**

- Capacity: Up to 13,500 pounds
- Weight (with drum brakes): 865 pounds
- Travel: 13 inches
- Lift: 10 inches
- Wheel Cut: 31 degrees
- Packaging Space: 22.1 inches

**SCW(B)08/10K**

- **Optimized Package Design**
  - Fabricated knuckle with 325 × 100mm metric brake:
    - 08K: 6-hole H&D’s for 17.5-inch wheel
    - 10K: 8-hole H&D’s for 19.5-inch wheel

- **Integrated Knuckle**
  - Manufactured by Hendrickson
  - Adaptable for custom requests
  - Available with light weight wheel ends and Hendrickson’s integrated brake / knuckle system with validated brake linings

**SCW(B)08/10K Features**

- Optimized package design
- Fabricated knuckle with 325 × 100mm metric brake:
  - 08K: 6-hole H&D’s for 17.5-inch wheel
  - 10K: 8-hole H&D’s for 19.5-inch wheel

**SCW(B)20K**

- **Optimized Package Design**

- **Integrated Knuckle and Brake System**
  - 16.5 × 6 brake for super-single or flotation tires - for use on approved rims

- **Heavy-duty compliant tie rod (HD-CTR) with threaded end, single point adjustment**

**SCW(B)20K Features**

- Optimized package design
- Integrated knuckle and brake system

**SCW(B)20K Specifications**

- Capacity: Up to 20,000 pounds
- Weight (with drum brakes): 1,402 pounds
- Travel: 12 inches
- Lift: 9 inches
- Wheel Cut: 25 degrees
- Packaging Space: 26.5 inches

* Contact your local Hendrickson representative for complete warranty terms, conditions and limitations.
Hendrickson designed our new Leading Kingpin axle to provide dual tire capability, accommodate various ride heights and facilitate your installations.

The new LK suspension and axle were designed around the proven HLM rigid axle concept for rigorous environments and incorporates Hendrickson’s popular QUIK-ALIGN® feature and TRI-FUNCTIONAL® bushings. The fabricated knuckle design minimizes kingpin offset for a more efficient package while incorporating a fully integrated brake system designed by Hendrickson.

**LKW(B) Specifications**

- **Capacity:** Up to 25,000 pounds
- **Weight (with drum brakes):** 1,620 pounds
- **Travel:** 9.5 inches
- **Lift:** 6.5 inches
- **Wheel Cut:** 20 degrees
- **Packaging Space:** 26.0 inches

**FXW(B) 08/10K and 13K**

Hendrickson designed the COMPOSILITE® FX fixed suspension with features and benefits of the steerable SC suspension system up to 13,500-pound capacity. The lightweight fabricated axle is equipped with common components of the SC model such as Hendrickson integrated 15 x 4-inch brakes and zero-torsion bushings and identical air springs. The COMPOSILITE FX trailer models now come standard with a V-rod design built in for improved lateral stiffness - especially in Tag Axle configurations. A compact design improves installation for tight frame space availability while in-line air springs minimize package space and helps reduce the risk of possible trailer configuration interferences.

**FXW(B) Specifications**

<table>
<thead>
<tr>
<th>FX08K</th>
<th>FX10K</th>
<th>FX13K</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity:</strong></td>
<td>Up to 8,000 pounds</td>
<td>Up to 10,000 pounds</td>
</tr>
<tr>
<td><strong>Weight (with drum brakes):</strong></td>
<td>815 pounds</td>
<td>817 pounds</td>
</tr>
<tr>
<td><strong>Brakes:</strong></td>
<td>325 x 100 mm</td>
<td>325 x 100 mm</td>
</tr>
<tr>
<td><strong>Travel:</strong></td>
<td>13 inches</td>
<td>10 inches</td>
</tr>
<tr>
<td><strong>Lift:</strong></td>
<td>10 inches</td>
<td></td>
</tr>
<tr>
<td><strong>Packaging Space:</strong></td>
<td>22.1 inches</td>
<td></td>
</tr>
</tbody>
</table>
**Toughlift®**

**FMW(B)16K-25K** *(previously HLM model)*

Hendrickson’s TOUGHLIFT® FMT non-steer lift axle is engineered for rugged on- and off road applications accommodating the TRI-FUNCTIONAL® bushing that helps absorb brake and acceleration forces while providing superior roll-control. The QUIK-ALIGN® feature simplifies the alignment process eliminating welding of the alignment collar. TOUGHLIFT FMW(B) applications are available in 5/8- or 3/4-inch axle wall thicknesses and capacities up to 25,000 pounds.

**FNW(B) Specifications**

Capacity: Up to 13,500 pounds  
Weight (with drum brakes): 1,015 pounds  
Travel: 12.0 inches  
Lift: 8.5 inches  
Axle Type: 5-inch round  
Packaging Space: 30.0 inches

**FNW(B)13K** *(previously HLN model)*

Hendrickson’s TOUGHLIFT® FN non-steer lift axle has been road proven for years in the trailer market. Weight conscious haulers use this model for the additional weight allowance on platforms, semi-dumps, etc. This product parallelogram design uses rubber bushings on wide beams to help increase lateral stiffness. The FN designed around a Hendrickson round axle concept continues to provide superior performance and rugged durability.

**FMW(B) Specifications**

Capacity: Up to 25,000 pounds  
Weight (with drum brakes): 1,125 pounds  
Travel: 9.5 inches  
Lift: 6.5 inches  
Axle Type: 5-inch round  
Packaging Space: 26.0 inches

**Specifications**

**STEERABLE Lift Axle Specifications**

<table>
<thead>
<tr>
<th>BRAND MODEL</th>
<th>MAXIMUM CAPACITY (lbs.)</th>
<th>APPLICATION WEIGHT (lbs.)</th>
<th>RIDE HEIGHTS (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMW(B)20</td>
<td>20,000</td>
<td>1,250</td>
<td>9.0 - 17.0</td>
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<tr>
<td>SCW(B)10</td>
<td>10,000</td>
<td>817</td>
<td>12.5 - 21.5</td>
</tr>
<tr>
<td>SCW(B)13</td>
<td>13,500</td>
<td>930</td>
<td>8.5 - 21.5</td>
</tr>
<tr>
<td>SCW(B)20</td>
<td>20,000</td>
<td>1,402</td>
<td>Available soon</td>
</tr>
</tbody>
</table>

**NON-STEER Lift Axle Specifications**

<table>
<thead>
<tr>
<th>BRAND MODEL</th>
<th>MAXIMUM CAPACITY (lbs.)</th>
<th>APPLICATION WEIGHT (lbs.)</th>
<th>RIDE HEIGHTS (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMW(B)13</td>
<td>13,500</td>
<td>1,015</td>
<td>13.0 - 23.0</td>
</tr>
<tr>
<td>FXW(B)10</td>
<td>10,000</td>
<td>817</td>
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</tr>
<tr>
<td>FXW(B)20</td>
<td>20,000</td>
<td>1,250</td>
<td>Available soon</td>
</tr>
</tbody>
</table>

**Value-Added Features / Options**

Hendrickson offers a variety of value-added options to help increase productivity for the end user operating a lift axle.

- **V-Rod**  
  - Attaches to lower beam pivots and front cross member - providing increased lateral stiffness, especially when lift axles are used in tag position or rear location on the trailer

- **HD-CTR (Heavy Duty Compliant Tie Rod)**  
  - Single point adjustment tie rod with threaded ends allows for toe adjustment with the turn of the round tube tie rod. Bushing tie rod ends allow for lubrication-free maintenance

- **Lock Straight**  
  - Locks suspension straight when vehicle is placed in reverse or raised

- **Air Disc Brakes (Drum Brake shown)**  
  - For applications with extremely demanding brake usage - provides consistent performance during extended braking cycles such as long descending grades

- **Pre-Plumbed System**  
  - Integrated air system reduces installation time through pre-located air tank, hoses and valves.

- **Tiremax® Pro** *(Available on COMPOSILITE® FX only - FM and FN models coming soon)*  
  - The industry’s only tire pressure control system.

*W (W) Weld-On (B) Bolt-On frame attachments.*
Air Control Systems — Lift Axles

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Hendrickson Lift Axles —
We’ll put it all together for you

Customer Service
1.800.660.2829

Puzzled? Not sure of your application requirements? Hendrickson’s customer support team will help guide you through the process, getting you the right auxiliary lift axle for the job!

Hendrickson offers the widest variety of lift axles in today’s market, meeting the requirements of any application. Our technical support team is dedicated to helping you find the lift axle that best fits your needs.