AUXILIARY TRAILER

STEERABLE and NON-STEERABLE Lift Axle Suspension Systems

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, and operation, service and maintenance instructions.
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 Suspension

Configure your Lift Axle Suspension 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 Suspension
Hendrickson introduces the COMPOSILITE® family of lift axle suspensions for steerable trailer applications. The new COMPOSILITE EX series of lift axle suspensions delivers all the advantages trailer end-users have come to expect with Hendrickson products: reliability, cost-effectiveness and high quality. All steerable models now offer a bolt-on lock straight mount for easier installation and there is now a secondary bump stop incorporated into the axle seat to accommodate extreme loads.

**EXS 13K Specifications**

- **Capacity:** 13,500 pounds
- **Weight (with drum brakes):** 913 pounds
- **Travel:** 13 inches
- **Lift:** Up to 10 inches
- **Wheel Cut:** 31 degrees
- **Packaging Space:** 22.1 inches

* Contact your local Hendrickson representative for complete warranty terms, conditions and limitations.
**EXS 08/10K**

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

**Specifications**
- Capacity: 10,000 pounds
- Weight (with drum brakes): 805 pounds
- Travel: 13 inches
- Lift: Up to 10 inches
- Wheel Cut: 31 degrees
- Packaging Space: 22.1 inches

**EXS 20K**

**Features**
- Optimized package design
- Integrated knuckle and brake system
- 16.5 x 6 brake for super-single or flotation tires - for use on approved rims

**Specifications**
- Capacity: 20,000 pounds
- Weight (with drum brakes): 1,357 pounds
- Travel: 12 inches
- Lift: Up to 9 inches
- Wheel Cut: 25 degrees
- Packaging Space: 26.5 inches
Non-Steerable Lift Axle Suspensions

The non-steerable lift axle suspensions by Hendrickson also offer rugged reliability and durability. The COMPOSILITE® EX fixed series was built around a compact design with common components to the EX steerable line of lift axle suspensions for consistent features and use on the same vehicle. Hendrickson’s TOUGHLIFT® platform of lift axle suspensions delivers a rugged round tube axle design to any trailer applications. Both product families compliment the full line of non-steerable capacities ranging from 8,000 to 25,000 pounds.

The TOUGHLIFT FMW(B) is rated from 20,000 to 25,000 pounds and has proven its rugged effectiveness for the trailer market. The series is engineered to accommodate a wide range of ride heights with features like Hendrickson’s TRI-FUNCTIONAL® bushing and QUIK-ALIGN® - similar to the HT™ and INTRAAX® bushing and alignment features.

COMPOSILITE®

EXF 13K (Weld-on or Bolt-on)

Hendrickson designed the COMPOSILITE® EXF fixed suspension with features and benefits of the steerable EXS suspension system up to 13,500-pound capacity. The lightweight fabricated axle is equipped with common components of the EXS model such as Hendrickson integrated 15 × 4-inch brakes and zero-torsion bushings and identical air springs. 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.

EXF 13K Specifications

- Capacity: 13,500 pounds
- Weight (with drum brakes): 894 pounds
- Brakes: 15 × 4-inch
- Travel: 13 inches
- Lift: Up to 10 inches
- Packaging Space: 22.1 inches
Hendrickson’s TOUGHLIFT® FMT non-steerable lift axle is engineered for rugged on- and off-highway 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 FM(W/B) applications are available in 5/8- or 3/4-inch axle wall thicknesses and capacities up to 25,000 pounds.

### Specifications

#### FM(W/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

#### STEERABLE Lift Axle Specifications

<table>
<thead>
<tr>
<th>BRAND</th>
<th>MODEL</th>
<th>MAXIMUM CAPACITY (lbs.)</th>
<th>APPLICATION WEIGHT (lbs.)</th>
<th>RIDE HEIGHTS (inches)</th>
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<td>DRUM BRAKE</td>
<td>AIR DISC BRAKE</td>
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<td>COMPOSILITE</td>
<td>EXS (W/B)8</td>
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#### NON-STEERABLE Lift Axle Specifications

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<tr>
<th>BRAND</th>
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<th>RIDE HEIGHTS (inches)</th>
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<td>DRUM BRAKE</td>
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</table>

* (W) Weld-On (B) Bolt-On frame attachments.
Value-Added Features / Options

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

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

TIREMAAX® PRO or CP plus the HXL packages (Available on COMPOSILITE® EXF Fixed or EXS Steerable and TOUGHLIFT FM)

Inset Lower Beams
- Optimized lateral stiffness
- Eliminates the need for V-rod option

Zero-Torsion Rubber Bushings
- Provide increased durability and bushing life
- Longer bushing life promotes less downtime

Round Axle Tube
- All axles are mechanically straightened to ensure proper tire wear
- Multiple spindles and wheel end options offered
- Track length options made easier

Window Weld Axle Seat Wraps
- Minimize direct axle tube welding
- Provide extreme axle connection durability

Traditional Tie Rod with Coil Shocks
- CTR Compliant Tie Rod option is recommended for tag applications

Air Disc Brakes
- For applications with extremely demanding brake usage - provides consistent performance during extended braking application cycles such as long descending grades

Lock Straight
- Locks suspension straight when vehicle is placed in reverse or raised
- Bolt-on kit can be added in the field at any time

Steerable Weld-on Model

Non-Steer Bolt-on Model

Steerable Weld-on Model

Slide Beam

Traditional Tie Rod with Coil Shocks

Air Disc Brakes

Lock Straight

Inset Lower Beams

Zero-Torsion Rubber Bushings

Round Axle Tube

Window Weld Axle Seat Wraps

Non-Steer Bolt-on Model

Steerable Weld-on Model

Slide Beam

Traditional Tie Rod with Coil Shocks

Air Disc Brakes

Lock Straight

Inset Lower Beams

Zero-Torsion Rubber Bushings

Round Axle Tube

Window Weld Axle Seat Wraps
Air Control Systems — Lift Axles (Available January 2019)

**Available Models**

<table>
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<tr>
<th>Lift Axle Application</th>
<th>Inside-Mounted</th>
<th>Outside-Mounted (Composite)</th>
<th>Outside-Mounted (Stainless)</th>
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<tbody>
<tr>
<td>Non-Steerable</td>
<td>LC-NSI</td>
<td>LC-UCO</td>
<td>LC-USO</td>
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<td>Steerable</td>
<td>LC-SSI</td>
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<tr>
<td>Reverse Lift and Lock</td>
<td>LC-LSI</td>
<td>LC-LCO</td>
<td>LC-LSO</td>
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<td>Reverse Down and Lock</td>
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</table>

**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 Lift Axles —

We’ll put it all together for you

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.

Customer Service
1.800.660.2829
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