- Winning reputation
- Optimum performance
- Reliability
- Leading innovation
- Durability

To learn more about COMPOSILITE™ SC, call 800.660.2829 or visit www.hendrickson-intl.com
Hendrickson introduces the COMPOSILITE™ SC family of lift axles for steerable applications. The “Steerable Compliant” series of lift axles delivers all the advantages haulers have come to expect with Hendrickson products: reliability, cost-effectiveness and innovation. The COMPOSILITE family offers a full range of capacities from 10,000 to 20,000 pounds.

The SCT13, our most popular capacity offering, is rated at 13,500 pounds and now offers a reduced system weight up to 69 pounds per axle and a minimized package space of 22.1 inches. Hendrickson has taken tie rod technology one step further by introducing the patent pending Compliant Tie Rod (CTR) with PerfecTrak™ technology...the first compliant tie rod assembly and dampening system. This technology was designed to help lower maintenance costs and increase uptime by providing a resilient, impact resistant tie rod assembly.

**13K Steerable Lift Axle System**

### COMPOSILITE™ SCT13 Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>Up to 13,500 pounds</td>
</tr>
<tr>
<td>Weight</td>
<td>796 pounds</td>
</tr>
<tr>
<td>Travel</td>
<td>13 inches</td>
</tr>
<tr>
<td>Lift</td>
<td>10 inches</td>
</tr>
<tr>
<td>Wheel Cut</td>
<td>31 degrees</td>
</tr>
<tr>
<td>Packaging Space</td>
<td>22.1 inches</td>
</tr>
</tbody>
</table>

**Adjustable Frame Width Feature**
- Allows stocking of one suspension to meet frame width requirements of 33.5 to 34.5 inches

**Integrated Knuckle**
- Manufactured by Hendrickson
- Adaptable for custom requests
- Lighter weight

**CTR with PerfecTrak™ Technology**
- Delivers industry’s first passive steer Ackerman
- Reliable wheel-end centering
- Effectively resists permanent deformation
- Easy toe adjustment
- Lubrication-free connection
- 3-year warranty package*

**Optimized Package Design**
- 22.1-inch package space
- Shorter trailing arms
- Shorter side rail

**Adjustable Ride Height**
- Accommodates a 4-inch ride height range

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

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* Contact Hendrickson for complete warranty terms, conditions and limitations.
### COMPOSILITE™ SCT20 Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>Up to 20,000 pounds</td>
</tr>
<tr>
<td>Weight</td>
<td>1,340 pounds</td>
</tr>
<tr>
<td>Travel</td>
<td>12 inches</td>
</tr>
<tr>
<td>Lift</td>
<td>9 inches</td>
</tr>
<tr>
<td>Wheel Cut</td>
<td>25 degrees</td>
</tr>
<tr>
<td>Packaging Space</td>
<td>26.5 inches</td>
</tr>
</tbody>
</table>

### 10K Steerable Lift Axle System

#### SCT10 and SCT20 Features

- Optimized package design
- Adjustable frame width and ride height feature
- Integrated knuckle
- 24 pound weight savings on SCT10 and 35 pound weight savings on SCT20 compared to prior models
- CTR with PerfecTrak™ technology

#### COMPOSILITE™ SCT10 Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>Up to 10,000 pounds</td>
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<tr>
<td>Weight</td>
<td>675 pounds</td>
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<tr>
<td>Travel</td>
<td>13 inches</td>
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<tr>
<td>Lift</td>
<td>10 inches</td>
</tr>
<tr>
<td>Wheel Cut</td>
<td>31 degrees</td>
</tr>
<tr>
<td>Packaging Space</td>
<td>22.1 inches</td>
</tr>
</tbody>
</table>
COMPOSILITE™ SC0 Roll-Off Specifications

<table>
<thead>
<tr>
<th></th>
<th>SC013</th>
<th>SC020</th>
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</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>Up to 13,500 pounds</td>
<td>Up to 20,000 pounds</td>
</tr>
<tr>
<td>Weight</td>
<td>851 pounds</td>
<td>1,357 pounds</td>
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<tr>
<td>Travel</td>
<td>13 inches</td>
<td>12 inches</td>
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<tr>
<td>Lift</td>
<td>10 inches</td>
<td>9 inches</td>
</tr>
<tr>
<td>Wheel Cut</td>
<td>31 degrees</td>
<td>25 degrees</td>
</tr>
<tr>
<td>Packaging Space</td>
<td>22.1 inches</td>
<td>26.5 inches</td>
</tr>
</tbody>
</table>

SCO Features
- Scalloped hangers improve clearance around the cylinder
- Inboard-mounted ride springs provide additional clearance from the cylinder
- Air spring plate mounts inside the frame rail
- Adjustable frame width and ride height feature
- Integrated knuckle
- CTR with PerfecTrak™ technology

COMPOSILITE™ SCR13 Specifications
- Capacity: Up to 13,500 pounds
- Weight: 1,029 pounds
- Travel: 13.5 inches
- Lift: 7 inches
- Wheel Cut: 27 degrees
- Packaging Space: 28.4 inches

SCR and SCH Features
- CTR with PerfecTrak™ technology
- Fabricated knuckle with integrated brake

COMPOSILITE™ SCH10 Specifications
- Capacity: Up to 10,000 pounds
- Weight: 1,133 pounds
- Travel: Up to 24 inches
- Lift: Up to 20 inches
- Wheel Cut: 27 degrees
- Packaging Space: 54 inches
The First Compliant Tie Rod (CTR) Assembly and Dampening System

Features and Benefits

- Delivers industry’s first passive steer Ackerman effectively controlling the relationship between inside wheel-turn angle and outside wheel-turn angle
- 31-degrees of inside wheel cut
- Eccentric adjustment simplifies the toe setting process
- Natural rubber tie rod ends, designed for reliable use on heavy trucks, eliminates greasing of assembly
- Self-centering achieved with the CTR eliminates service issues with coil-over damper
- Minimizes chances of buckled tie rods due to road strikes
- Uses new steering damper design to optimize road feel for lift axle use
- The CTR system comes with a 3-year warranty* package, fully backed by Hendrickson

Product video available at http://youtu.be/O-oBdo61_5w

SC Product Family Features and Benefits

Feature

- Adjustable Frame Width
  - Zero spacers = 33.5-inch frame width
  - One spacer per side = 34.0-inch frame width
  - Two spacers per side = 34.5-inch frame width
  - Design allows for adjustment with no disassembly

- Adjustable Ride Height
  - Suspension travel combined with adjustable spacers allows for a ride height range of four inches
  - Spacer tubing slotted to fit properly into place

Benefit

- Allows stocking of one part number for multiple applications and easier installation

Feature

- Fabricated knuckle and integrated brake

Benefit

- Reduces overall weight of suspension and allows for Ackerman customization

Feature

- SCT10, SCT13 and SCO13 offer a 31-degree wheel cut

Benefit

- Helps prevent tire scrub

Feature

- SCT10 and SCT13 truck mounts provide a 22.1-inch package space from spindle centerline to front face of hanger
- Hanger design—Suspensions fit flat to the frame to allow for maximum clearance

Benefit

- Allows for easier installation

Feature

- Draw key kingpin design

Benefit

- Easier to service

*Contact Hendrickson for complete warranty terms, conditions and limitations.
COMPOSILITE™ Steerable Lift Axle Specifications

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

**Easy Toe Adjustment Tie Rod Feature** — Toe adjustment can be done faster and from either end of the tie rod assembly

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

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

**Trailer Mount Products** — All SCT models available in weld-on and bolt-on versions for trailer applications

**Air Control Systems**
- 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-the-cab and outside-the-cab models available

### Value-Added Features/Options

<table>
<thead>
<tr>
<th>MODEL</th>
<th>MAXIMUM CAPACITY (lbs.)</th>
<th>APPLICATION WEIGHT (lbs.)</th>
<th>RIDE HEIGHTS (inches +/- 1&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Truck</td>
<td>Trailer (SCW)</td>
<td></td>
</tr>
<tr>
<td>SCT10</td>
<td>10,000</td>
<td>675</td>
<td>664</td>
</tr>
<tr>
<td>SCT13</td>
<td>13,500</td>
<td>796</td>
<td>785</td>
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<tr>
<td>SCT20</td>
<td>20,000</td>
<td>1,340</td>
<td>1,315</td>
</tr>
<tr>
<td>SCO13</td>
<td>13,500</td>
<td>856</td>
<td>N/A</td>
</tr>
<tr>
<td>SCO20</td>
<td>20,000</td>
<td>1,326</td>
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</tr>
<tr>
<td>SCH10</td>
<td>10,000</td>
<td>1,133</td>
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</tr>
<tr>
<td>SCR13</td>
<td>13,500</td>
<td>1,029</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Pre-Plumbed System**

**Lock Straight**

**Easy Toe Adjustment**

**Auxiliary Axle Systems** is TS-16949 Registered

Call Hendrickson at **800.660.2829** or **800.668.5360** in Canada for additional information and application specifications.