

# **H COMPOSILITE™ SC** Steerable Lift Axles

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



To learn more about COMPOSILITE SC,  
call 800.660.2829 or visit  
[www.hendrickson-intl.com](http://www.hendrickson-intl.com)

**H HENDRICKSON**  
*The World Rides On Us®*

# COMPOSILITE™ SC

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 8,000 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 CTR Compliant Tie Rod with PerfectTrak™ technology...the first compliant tie rod assembly and damping 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

### Optimized Package Design

- 22.1-inch package space
- Shorter trailing arms
- Shorter side rail

### Adjustable Ride Height

- Accommodates a 4-inch ride height range

### 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 PerfectTrak™ 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\*

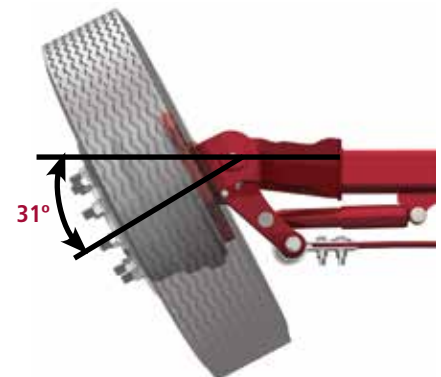
### Optimized Linear Damper

- Coil spring eliminated to improve damper life
- 3-year warranty package\*

### COMPOSILITE™ SCT13 Specifications

Capacity:	Up to 13,500 pounds
Weight:	796 pounds
Travel:	13 inches
Lift:	10 inches
Wheel Cut:	31 degrees
Packaging Space:	22.1 inches

### COMPOSILITE™ SC Steerable Turning Angle

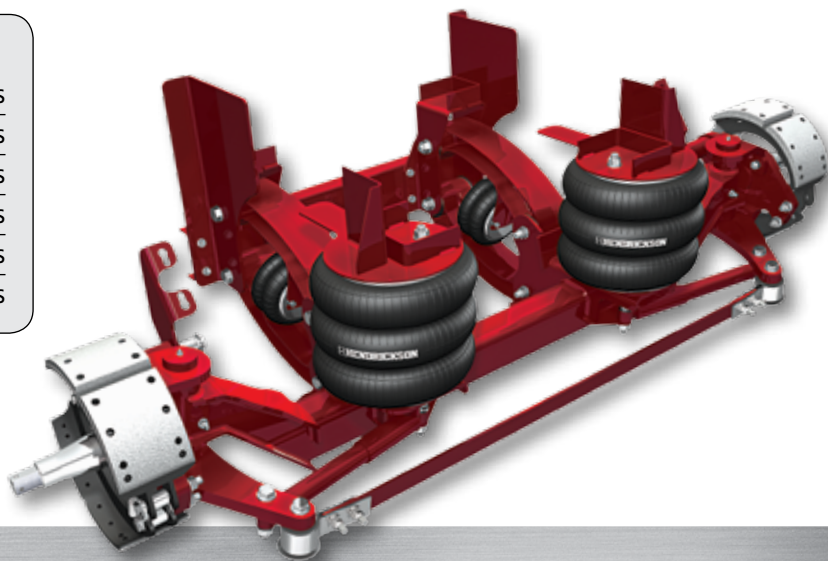


\* Contact Hendrickson for complete warranty terms, conditions and limitations.

# Hendrickson's Family of

## COMPOSILITE™ SCT20 Specifications

Capacity:	Up to 20,000 pounds
Weight:	1,340 pounds
Travel:	12 inches
Lift:	9 inches
Wheel Cut:	25 degrees
Packaging Space:	26.5 inches



## 20K Steerable Lift Axle System

# 20K

## SCT10 / 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 PerfectTrak™ technology



Our HD-CTR Heavy Duty Compliant Tie Rod is now available for more severe steerable applications

## SCT08K / 10K Steerable Lift Axle System

# 8K/10K

## COMPOSILITE™ SCT08K / 10K Specifications

Capacity:	Up to 10,000 pounds
Weight:	675 pounds
Travel:	13 inches
Lift:	10 inches
Wheel Cut:	31 degrees
Packaging Space:	22.1 inches



# Steerable Lift Axles



**SC013**



**SC020**

## COMPOSITELITE™ SCO Roll-Off Specifications

	SC013	SC020
Capacity:	Up to 13,500 pounds	Up to 20,000 pounds
Weight:	851 pounds	1,357 pounds
Travel:	13 inches	12 inches
Lift:	10 inches	9 inches
Wheel Cut:	31 degrees	25 degrees
Packaging Space:	22.1 inches	26.5 inches

## SCO Features

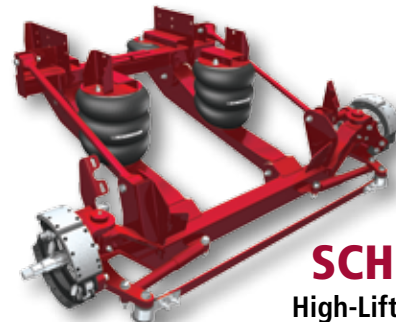
- Scalloped hangers improve clearance around the cylinder
- Inboard-mounted ride springs provide additional clearance from the cylinder
- Air spring plate mounts inside the frame rail
- Adjustable frame width and ride height feature
- Integrated knuckle
- CTR with PerfectTrak™ technology



**SCR13**  
Reverse Steer

## COMPOSITELITE™ 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



**SCH10**  
High-Lift Steer

## COMPOSITELITE™ 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

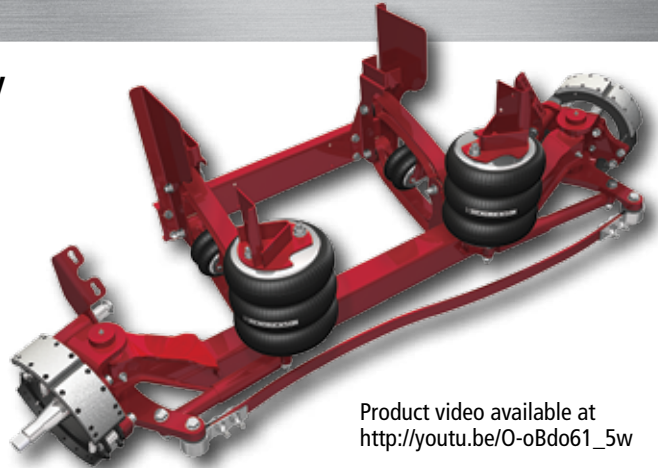
## SCR / SCH Features

- CTR with PerfectTrak™ technology
- Fabricated knuckle with integrated brake

## The First CTR™ Compliant Tie Rod Assembly and Damping 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](http://youtu.be/O-oBdo61_5w)

*\*Contact Hendrickson for complete warranty terms, conditions and limitations.*

## 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

- SCT08/10K, SCT13 and SCO13 offer a 31-degree wheel cut

### Benefit

- Helps prevent tire scrub

### Feature

- SCT08/10K 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

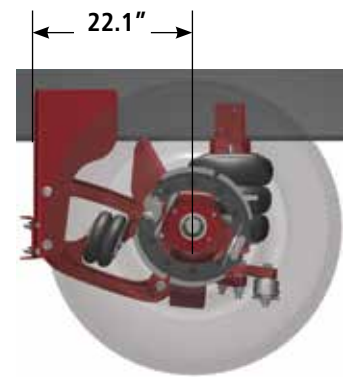
- Easier to service



Adjustable frame width and ride height



Adjustable ride height spacers



Package space

# COMPOSILITE™ Steerable Lift Axle Specifications

MODEL	MAXIMUM CAPACITY (lbs.)	APPLICATION WEIGHT (lbs.)		RIDE HEIGHTS (inches +/- 1")
		Truck	Trailer (SCW)	
SCT08	8,000	675	664	12.5 – 20.5
SCT10	10,000	675	664	12.5 – 20.5
SCT13	13,500	796	785	8.5 – 18.5
SCT20	20,000	1,340	1,315	9.5 – 13.5
SCO13	13,500	856	N/A	8.5 – 18.5
SCO20	20,000	1,326	N/A	9.5 – 13.5
SCH10	10,000	1,133	N/A	10.5 – 20.5
SCR13	13,500	1,029	N/A	9.5 – 15.0

## Value-Added Features and Benefits

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



Easy Toe Adjustment

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



Lock Straight

**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



Pre-Plumbed System



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.



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### SPECIALTY PRODUCTS - AUXILIARY AXLE SYSTEMS

277 North High Street  
Hebron, OH 43025 USA  
800.660.2829  
740.929.5600 • Fax 740.929.5601

### Hendrickson Canada

250 Chrysler Drive, Unit #3  
Brampton, ON Canada L6S 6B6  
800.668.5360  
905.789.1030 • Fax 905.789.1033