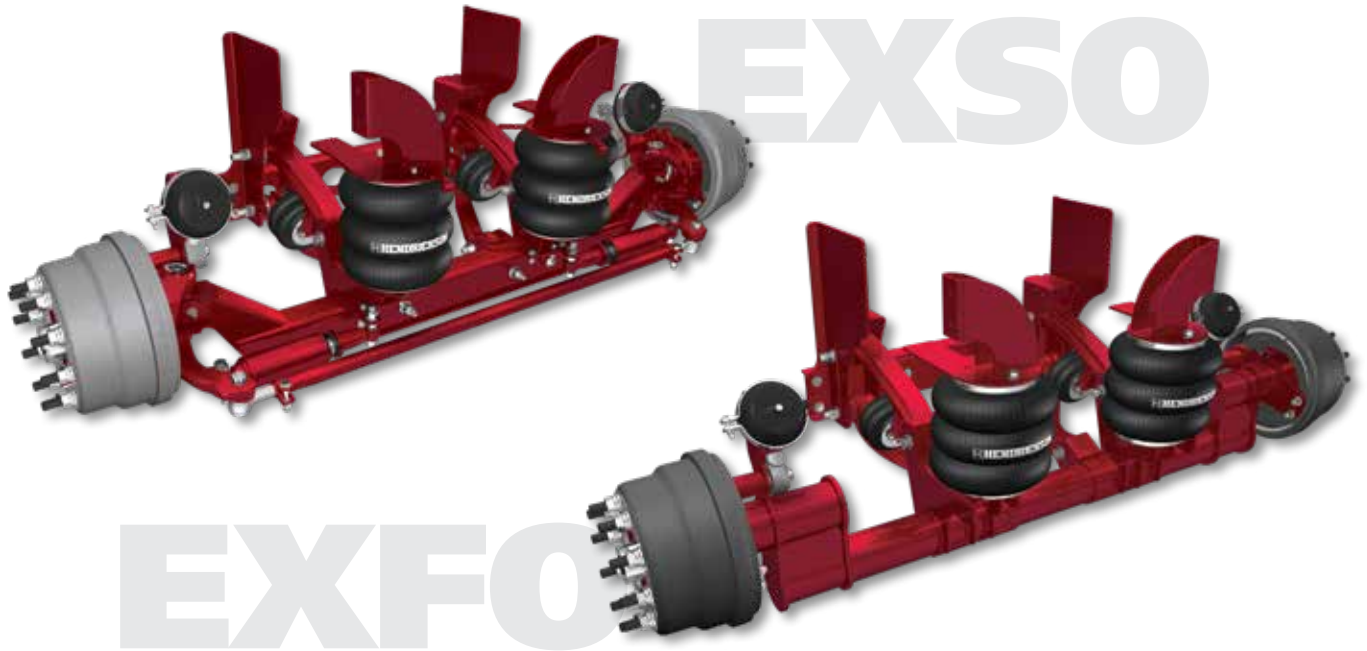


COMPOSILITE® / TOUGHLIFT®

- Winning reputation
- Optimum performance
- Rugged reliability
- Leading innovation
- Proven durability



To learn more about COMPOSILITE
and TOUGHLIFT, call 800.660.2829
or visit www.hendrickson-intl.com

 **HENDRICKSON**
The World Rides On Us®

A family of lift axles specifically for Class 8 roll-off vehicles

Hendrickson introduces COMPOSILITE® lift axles for roll-off vehicle applications. The popular COMPOSILITE family has grown and is now available in 13,500- to 20,000-pound capacities. The RO Series fits flat to the frame to give maximum clearance from cylinder beams, attachments and sliding components. Scalped hangers aid in the clearance around roll-off cylinders.

The ride springs and parallelogram components are positioned inside of the frame rails. Beams are spaced inboard one-inch for additional clearance and unique air spring plates mount to the inside of the frame rail.

The RO models shown are adjustable and allow for most variable truck frame widths and ride heights.

EXS013 Steerable

Inset Parallelogram Beams

- ☒ Spaced inboard one inch for extra cylinder clearance and to ensure lift plates remain parallel for longer air spring life

Inboard-Mounted Ride Springs

- ☒ Provide additional clearance from the cylinder

Hendrickson Integrated Brakes

- ☒ 15 4-inch brakes and components make maintenance quick and easy

Scalloped Hanger

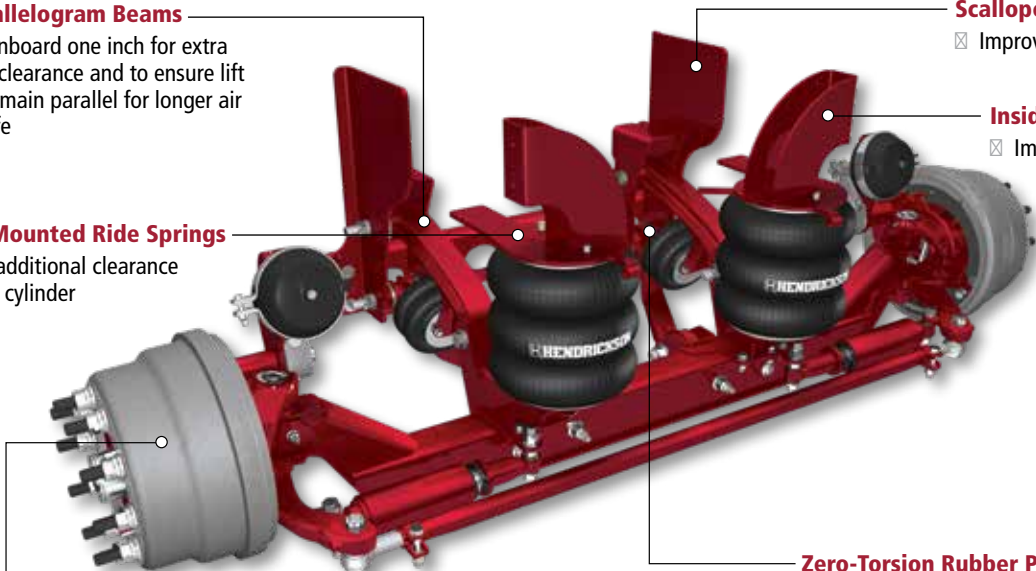
- ☒ Improves cylinder clearance

Inside Frame Air Spring Mount

- ☒ Improves cylinder clearance

Zero-Torsion Rubber Pivot Bushings

- ☒ Provides increased durability and bushing life
- ☒ Longer bushing life promotes less downtime



EXF013 Fixed

Inset Parallelogram Beams

- ☒ Lightweight material while helping to ensure proper wheel tracking and to ensure lift plates remain parallel for longer air-spring life

In-Line Air Springs

- ☒ Maximize packaging space and help remove the risk of possible driveline interference

Hendrickson Integrated Brakes

- ☒ 15 4-inch brakes and components make maintenance quick and easy

Scalloped Hanger

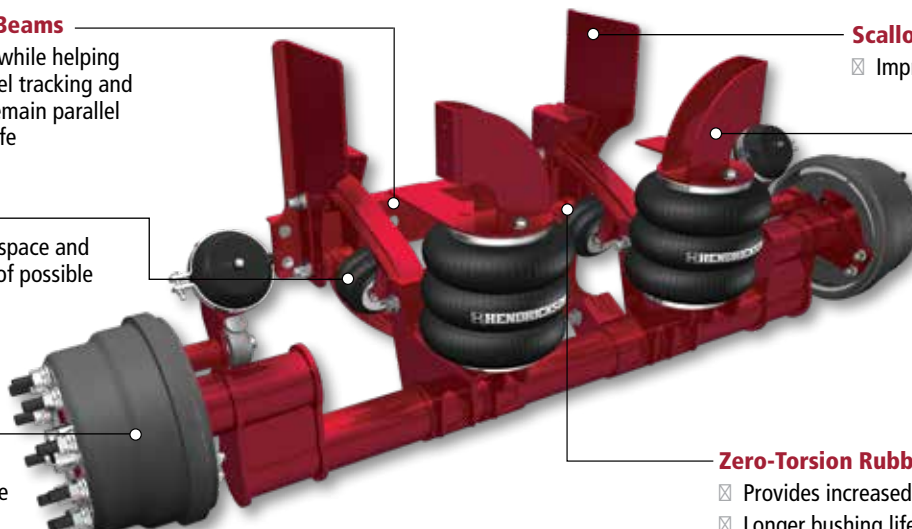
- ☒ Improves cylinder clearance

Inside Frame Air Spring Mount

- ☒ Improves cylinder clearance

Zero-Torsion Rubber Pivot Bushings

- ☒ Provides increased durability and bushing life
- ☒ Longer bushing life promotes less downtime



EXS013 Features and Benefits

- ☒ Delivers passive steer Ackerman effectively controlling the relationship between inside wheel-turn angle and outside wheel-turn angle
- ☒ 31-degrees of inside wheel cut
- ☒ Uses new steering damper design to optimize road feel for lift axle use
- ☒ Inset parallelogram beams with zero torsion rubber bushings
- ☒ Hendrickson integrated drum brakes with air disc brake option
- ☒ Available with standard tie rod or Hendrickson CTR as option
- ☒ Hendrickson lightweight fabricated axle

EXS013K Steerable Specifications

Capacity:	13,500 pounds
Weight:	851 pounds
Travel:	13 inches
Lift:	10 inches
Package Space:	22.1 inches
Wheel Cut:	31 degrees

EXS020 Features and Benefits

- ☒ 25-degrees of inside wheel cut
- ☒ Uses new steering damper design to optimize road feel for lift axle use
- ☒ Inset parallelogram beams with zero torsion rubber bushings
- ☒ Hendrickson integrated drum brakes with air disc brake option
- ☒ Hendrickson lightweight fabricated axle

EXS020K Steerable Specifications

Capacity:	20,000 pounds
Weight:	1,393 pounds
Travel:	12 inches
Lift:	9 inches
Package Space:	28 inches
Wheel Cut:	25 degrees

EXF013 Features and Benefits

- ☒ Scalloped hanger
- ☒ Hendrickson lightweight fabricated axle
- ☒ Hendrickson integrated drum brakes with air disc brake option
- ☒ Inboard mounted air springs
- ☒ Inset parallelogram beams with zero-torsion rubber bushings

EXF013K Fixed Specifications

Capacity:	13,500 pounds
Weight:	933 pounds
Travel:	13 inches
Lift:	10 inches
Package Space:	23.5 inches



TOUGHLIFT® Lift Axles

Hendrickson introduces the TOUGHLIFT® FMO as a new addition to the roll-off application. This roll-off model is available at 25,000-pound capacity and offers everything our customers expect from the TOUGHLIFT FM (previously HLM) family of suspensions. Fitting as close to the frame as possible, it provides maximum clearance from cylinder beams and other sliding components. Scalped hangers also aid in the clearance around roll-off cylinders.

TOUGHLIFT FMO 20/25K Features and Benefits

TRI-FUNCTIONAL® Bushings

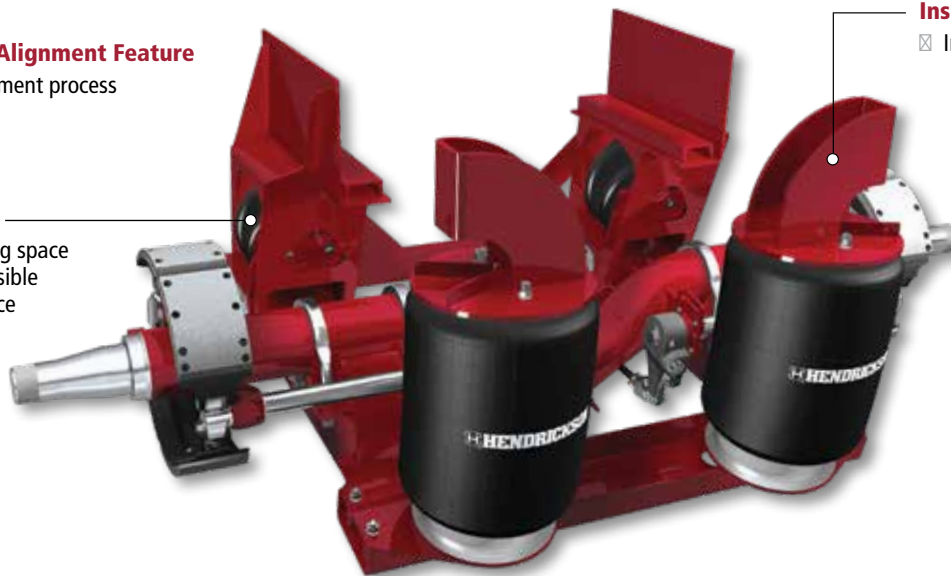
- ☒ Absorb brake and acceleration forces

QUIK-ALIGN® Axle Alignment Feature

- ☒ Simplifies the alignment process

In-Line Air Springs

- ☒ Maximize packaging space and help avoid possible driveline interference



Inside Frame Air Spring Mount

- ☒ Improves cylinder clearance

TOUGHLIFT FMO 20/25K Specifications

Capacity:	up to 25,000 pounds
Weight:	1,220 pounds
Travel:	9.5 inches
Lift:	6.5 inches
Axle Type:	5-inch round
Package Space:	26 inches

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 best manufactured suspensions in the world.

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.

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



www.hendrickson-intl.com

**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

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