

- 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

COMPOSILITE® Lift Axle Suspension Systems

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

Hendrickson offers COMPOSILITE® lift axle suspensions for roll-off series vehicle applications. The popular COMPOSILITE family is available in 13,500- to 20,000-pound capacities. The roll-off series fits flat to the frame giving 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 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 roll-off models shown are adjustable and allow for most variable truck frame widths and ride heights.

EXS13 Roll-Off Steerable Lift Axle Suspension System Features and Benefits

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 roll-off cylinders

Hendrickson Integrated Brakes

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

Scalloped Hanger

- Improves roll-off cylinder clearance

Inside Frame Air Spring Mount

- Improves roll-off cylinder clearance

Zero-Torsion Rubber Pivot Bushings

- Provide increased durability and bushing life
- Longer bushing life promotes less downtime

EXF13 Roll-Off Non-Steerable Lift Axle Suspension System Features and Benefits

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 roll-off cylinder clearance

Inside Frame Air Spring Mount

- Improves roll-off cylinder clearance

Zero-Torsion Rubber Pivot Bushings

- Provide increased durability and bushing life
- Longer bushing life promotes less downtime

EXS13 Roll-Off Steerable Lift Axle Suspension System 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 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 an option
- Hendrickson lightweight fabricated axle

SPECIFICATIONS

Capacity:	13,500 pounds
Weight:	949 pounds
Travel:	13 inches
Lift:	10 inches
Package Space:	22.1 inches
Wheel Cut:	31 degrees

EXS20 Roll-Off Steerable Lift Axle Suspension System Features and Benefits

- 17-degrees of inside wheel cut
- Uses 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

SPECIFICATIONS

Capacity:	20,000 pounds
Weight:	1,393 pounds
Travel:	12 inches
Lift:	9 inches
Package Space:	26.5 inches
Wheel Cut:	17 degrees

EXF13 Roll-Off Non-Steerable Lift Axle Suspension System 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

SPECIFICATIONS

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



TOUGHLIFT® Lift Axle Suspension System

Hendrickson offers the TOUGHLIFT® FMO as a 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 lift axle suspensions. Fitting flat to the frame, it provides enhanced clearance from roll-off cylinder beams and other sliding components. Scalloped hangers also aid in the clearance around roll-off cylinders.

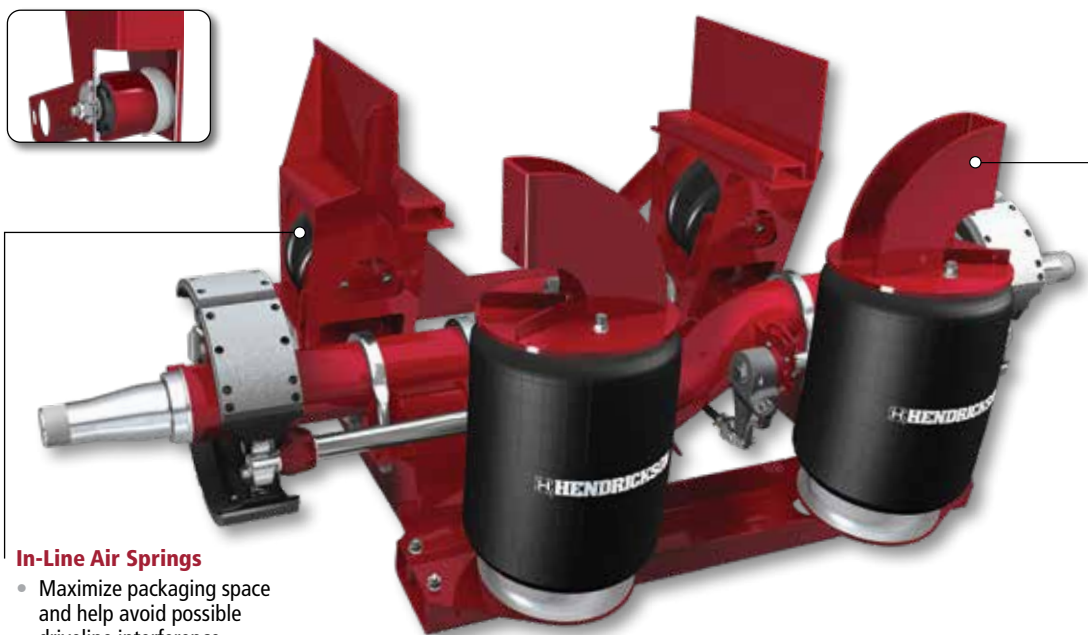
TOUGHLIFT FMO 20 / 25K Roll-Off Lift Axle Suspension System Features and Benefits

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

QUIK-ALIGN® Axle Alignment Feature

- Simplifies the alignment process



TRI-FUNCTIONAL® Bushings

- Absorb brake and acceleration forces



In-Line Air Springs

- Maximize packaging space and help avoid possible driveline interference

Inside Frame Air Spring Mount

- Improves roll-off cylinder clearance

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 synonymous with the finest 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

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