LOAD SPRINGS

Progressive and Auxiliary Load Springs

Hendrickson Load Springs used on the HAULMAAX®, HAULMAAX® EX, ULTIMAAX® and HN® drive axle suspension systems easily adjust to the load for an enhanced combination of empty ride quality and loaded stability.

To help ensure high end-user satisfaction and peak system performance, Hendrickson supplies the same genuine components for service requirements as installed on the original suspensions with the same design, construction and performance.

HAULMAAX Progressive Load Spring (PLS)



- When slightly engaged in the unloaded condition provides excellent ride quality
- When fully engaged in the loaded condition it provides optimized loaded stability
- Eliminates shim adjustments for most applications

HAULMAAX EX Progressive Load Spring



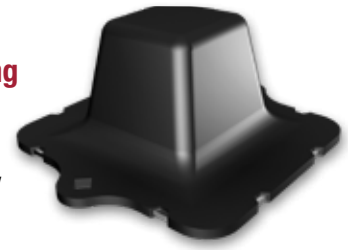
- Increases stiffness as the load increases, providing a unique balance of empty ride quality and loaded stability
- Provides long service life and easy replacement for reduced downtime
- Eliminates shim adjustments for lower maintenance applications

HAULMAAX / HN Auxiliary Load Spring



- In the loaded condition, the extra wide bolster spring centers and auxiliary springs provide exceptional stability for demanding applications such as refuse trucks, concrete mixers and dumps
- Load spring shims can be adjusted to help optimize roll stability

ULTIMAAX Progressive Load Spring

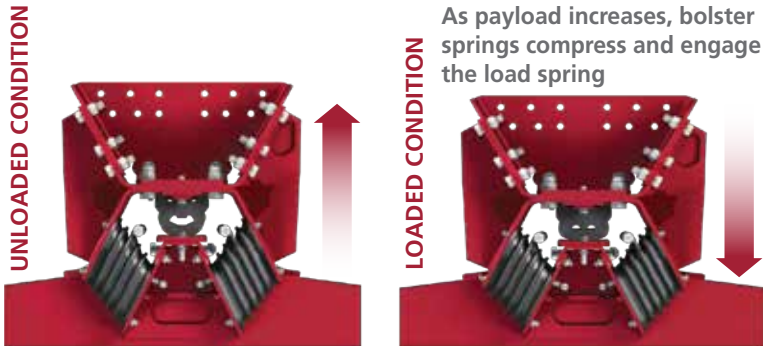


- Increases stiffness as the load increases, providing a unique balance of empty ride quality and loaded stability
- Provides long service life and easy replacement for reduced downtime
- Contributes to high-roll stability characteristics of the suspension

Unloaded Condition — In the empty condition, the diagonally mounted rubber bolster springs act in shear and compression to help provide optimum deflection for outstanding ride quality. Bolster springs absorb vertical road inputs and fore / aft shock.

Loaded Condition — As payload increases, the bolster springs compress and increase in stiffness, while maintaining excellent ride quality. With higher loading, the load spring fully engages for additional stability.

- A well maintained load spring helps provide increased bolster service life.



HAULMAAX SUSPENSION

GENUINE PARTS

Load Spring Service Kits

HAULMAAX®



Kit No. 60961-745
One Side

1 Progressive Load Spring
3 ½" x 2¼" Flange Bolts
3 ½" Flange Nuts

Kit No. 64179-004
One Side (for vehicles prior to 7/15/2014)

1 Auxiliary Load Spring
3 ½" x 2¼" Flange Bolts
3 ½" Flange Nuts

Kit No. 60961-747
Tandem Conversion Kit

2 Progressive Load Springs
6 ½" x 2¼" Flange Bolts
6 ½" Flange Nuts

Kit No. 60961-746
Weight Bias Kit with Shims

1 Progressive Load Spring
1 Auxiliary Load Spring
2 Load Spring Shims
10 ½" x 2¼" Flange Bolts
10 ½" Flange Nuts

HAULMAAX / HN®



Part No. 60314-000, One Side

1 Auxiliary Load Spring

HAULMAAX® EX



Kit No. 34013-358
Single Strap - One Side

1 Jounce Stop
1 Progressive Load Spring
2 M12 x 50 mm Flange Bolt
2 M12 x 65 mm Flange Bolt
4 M12 Flange Nuts

Kit No. 34013-364
Dual Strap - One Side

1 Jounce Stop
1 Progressive Load Spring
4 M12 x 65 mm Flange Bolt
4 M12 Flange Nuts

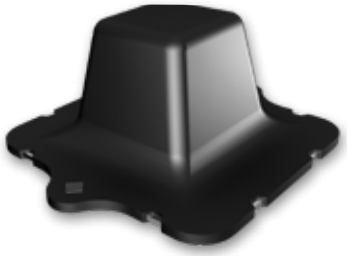
Kit No. 60961-751
Tractor One Side

2 Progressive Load Springs
4 M10 x 40mm Flange Bolt
4 M10 Flange Locknut

Kit No. 64179-822
Truck One Side

2 Progressive Load Springs
4 M10 x 40mm Bolt Round Head Square Neck Bolt
4 M10 Flange Locknut

ULTIMAAX®



HAULMAAX, HAULMAAX EX and ULTIMAAX Gauges

Hendrickson Gauges are available to help measure the load spring minimum height to be used with an 3/8" extension:

- **HAULMAAX Gauge (Lit. No. 48422-590)**
- **HAULMAAX EX Gauge (Lit. No. 48422-624)**
- **ULTIMAAX Gauge (Lit. No. 48422-592)**
- **HN / HAULMAAX Gauge (Lit. No. 48422-546)**

Gauges are available free of charge. Order online at: www.hendrickson-intl.com/litform

NOTE:
Always inspect the entire suspension for loose or worn parts and replace components as necessary, with customer consent.

To ensure proper operation, Hendrickson recommends to use only Hendrickson genuine load springs. See more details in Hendrickson Technical Publications (HAULMAAX 17730-244), (HAULMAAX EX 17730-328) and (HN 17730-227) available online at www.hendrickson-intl.com.

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, operation, service and maintenance instructions.

*Call Hendrickson at **630.910.2800** or **855.RIDERED (743.3733)** for additional information*

HENDRICKSON®
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