

- Hendrickson's first drive axle suspension featuring its revolutionary ZMD® Technology
- Lightest weight 46k rear air suspension
- Exceptional handling for on- and off-highway applications



Hendrickson's ROADMAAX® Z rear air suspension system provides excellent on- and off-highway performance, ride quality and cargo protection in demanding applications. ROADMAAX Z is approved for use with lift axles and up to 25 percent off-highway operation. ROADMAAX Z is available with Hendrickson's exclusive Zero Maintenance Damping® (ZMD®), designed to provide a consistent ride over the life of the air spring.

*To learn more about ROADMAAX Z,
call Hendrickson or visit our global
websites for additional information.*

H ROADMAAX® Z Heavy-Duty Rear Air Suspension System

Lightweight for Line-Haul, Rugged Durability
for On- and Off-Highway Applications

Frame Hangers

- Compact design limits frame stresses and integrates to common OE cross-members

Hendrickson TRAAX ROD® Torque Rods

- Maintain axle position and ensure maximum lateral stability
- Premium retained rubber bushings for increased service life and resistance to walkout

Rebound Control Bar

- Patented control feature controls axle travel in rebound

Main Support Members

- Designed and manufactured by Hendrickson with advanced materials and process technology
- Optimised front limb length allows for high roll-stiffness while maintaining a comfortable ride and minimizing torque reactivity and roll-steer for improved handling
- Kicked in tail helps to reduce weight by eliminating the requirement for cross channel

Bar Pin Connection

- Drop-in shims make axle alignment fast and easy for increased tire life
- Provides a durable joint that allows for quiet suspension operation
- Spring eye connection eliminates slipper pad and spring lash

Clamp Group

- Integrated lower HCV linkage attachment at each wheel-end
- Bump stop above clamp group limits jounce travel

Exclusive ZMD® Shockless Ride Technology

- Eliminates conventional shock absorbers
- Designed to provide uniform damping levels over life of the air spring
- Helps reduce overall suspension maintenance
- Enhances driver and cargo protection
- Reduces risk of roadside tickets and CSA violations

ROADMAAX® 230



Delivers the performance you need

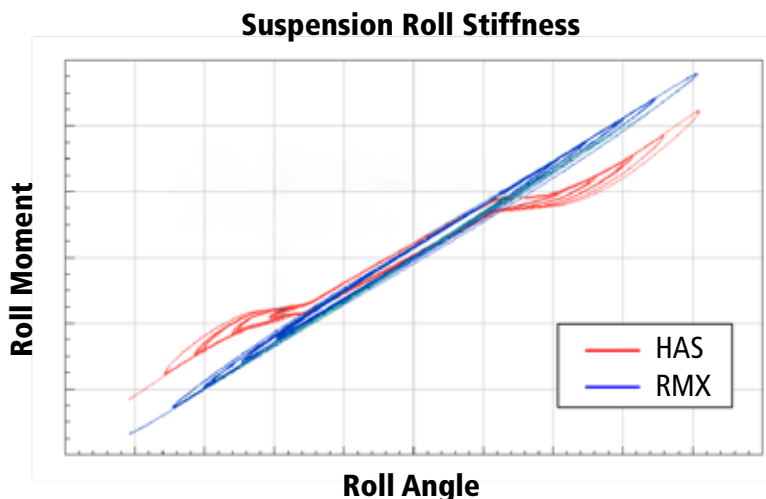
ROADMAAX® Z air suspension systems provide superior driver comfort, plus optimum cargo and equipment protection. Innovative design and manufacturing technology enable Hendrickson to deliver air suspension systems for on- and off-highway applications that are lightweight and durable.

Hendrickson air suspensions prove themselves time and again by meeting the performance requirements the industry demands. Hendrickson's advanced engineering produces air suspensions that are smooth riding and lightweight yet remarkably durable and stable.



Superior Ride for Driver Comfort and Equipment Protection

Top-mount, trailing arm air suspensions, such as ROADMAAX Z, offer superior ride by design. Hendrickson has gone even further by integrating our Zero Maintenance Damping® (ZMD®), a Hendrickson first, in drive axle suspensions, which is designed to provide a smooth ride – fully loaded, empty or anything in between. ROADMAAX Z (RMX) suspensions use large volume air springs because they produce a lower frequency spring rate for superior ride. The "rolling-lobe" design enables the air springs to constantly adjust to changing road conditions, offering outstanding driver comfort, cargo protection and extended equipment life.



Greater Durability for Less Downtime

ROADMAAX Z air suspensions deliver all the durability the industry demands. Precision manufacturing processes produce fine-grain steel main support members with high tensile strength and superior fatigue life. Frame hangers feature bar pin connection for easy axle alignment and quiet operation. From extensive component, system and vehicle fleet testing, ROADMAAX Z proves its durability. All of this means ROADMAAX Z delivers outstanding toughness under rugged conditions, helping to reduce downtime and operating costs.

Stability is Built In

ROADMAAX Z air suspension systems deliver the stability drivers and fleets demand for tough applications. TRAAX ROD® torque rods ensure maximum lateral suspension stability, while wide air spring centers provide outstanding roll stability. Five-inch wide axle seats distribute forces over a greater area, providing a secure connection between the main support member and the axle.

ROADMAAX® Z Suspension Specifications

Suspension Model	Suspension Capacity (tons)	GCW Approval (tons) ¹	GVW Approval (tons) ¹	Service: On/Off-Highway	Tractor	Truck	Suspension Weight (kg.) ²	Job Site Travel Rating (tons) ³
ROADMAAX 230	10.5	45	18	On/Off	Yes ⁴	Yes	200	N/A
ROADMAAX 460	21	107	39	On/Off	Yes ⁴	Yes ⁵	400.1	27
ROADMAAX 690	31.5	159	59	On/Off	Yes ⁴	Yes ⁵	600.2	41

Approved Applications

	ROADMAAX 230	ROADMAAX 460	ROADMAAX 690
General Freight (Van or Flatbed)	X	X	X
Refrigerated (No Swinging Meat)	X	X	X
Refrigerated (Swinging Meat)	X	X	X
Car Carrier	X	X	X
Chip Hauler	X	X	X
Building Material Supply		X	X
Block Hauler		X	X
Tow Truck	X	X	X
Wrecker	X	X	X
Dump		X	X
Logger		X	X
Oil Field		X	X
Refuse (Roll-Off and Recycler)	X	X	X
Heavy Equipment Hauler		X	X
Tanker (Water, Oil, etc.)	X	X	X
Beverage	X	X	X
Utility	X	X	X
Municipal	X	X	X
Bucket Truck	X	X	X
Crane / Boom	X	X	X
Tanker (Milk)		X	X
Snow Plow / Dump Truck	X	X	X

1. Contact Hendrickson or vehicle manufacturer for applications that may exceed GVW approval ratings.
2. Installed weight includes complete suspension, torque rods, axle and frame brackets and all suspension hardware.
3. Job site travel rating – operators using vehicles equipped with liftable pusher or tag axles must not exceed published ratings. Job site ratings are limited to no more than five percent of vehicle operation at speed not to exceed five mph. Liftable pusher or tag axles should only be raised (or unloaded) to improve vehicle maneuverability in job site applications or when vehicle is empty. Job site travel ratings are consistent with published axle manufacturer's limitations. Axle and suspension job site travel specifications must not be exceeded.
4. Not approved with trailer belly lift axles.
5. One or more lift axles. Maximum 60,000-lb. load on suspension for job site travel.

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 finest manufactured suspensions in the world.

This product is covered by at least one or more U.S. and/or foreign patents and/or pending U.S. and/or foreign patent applications. See Hendrickson for details.

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 or visit our global websites for additional information.



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