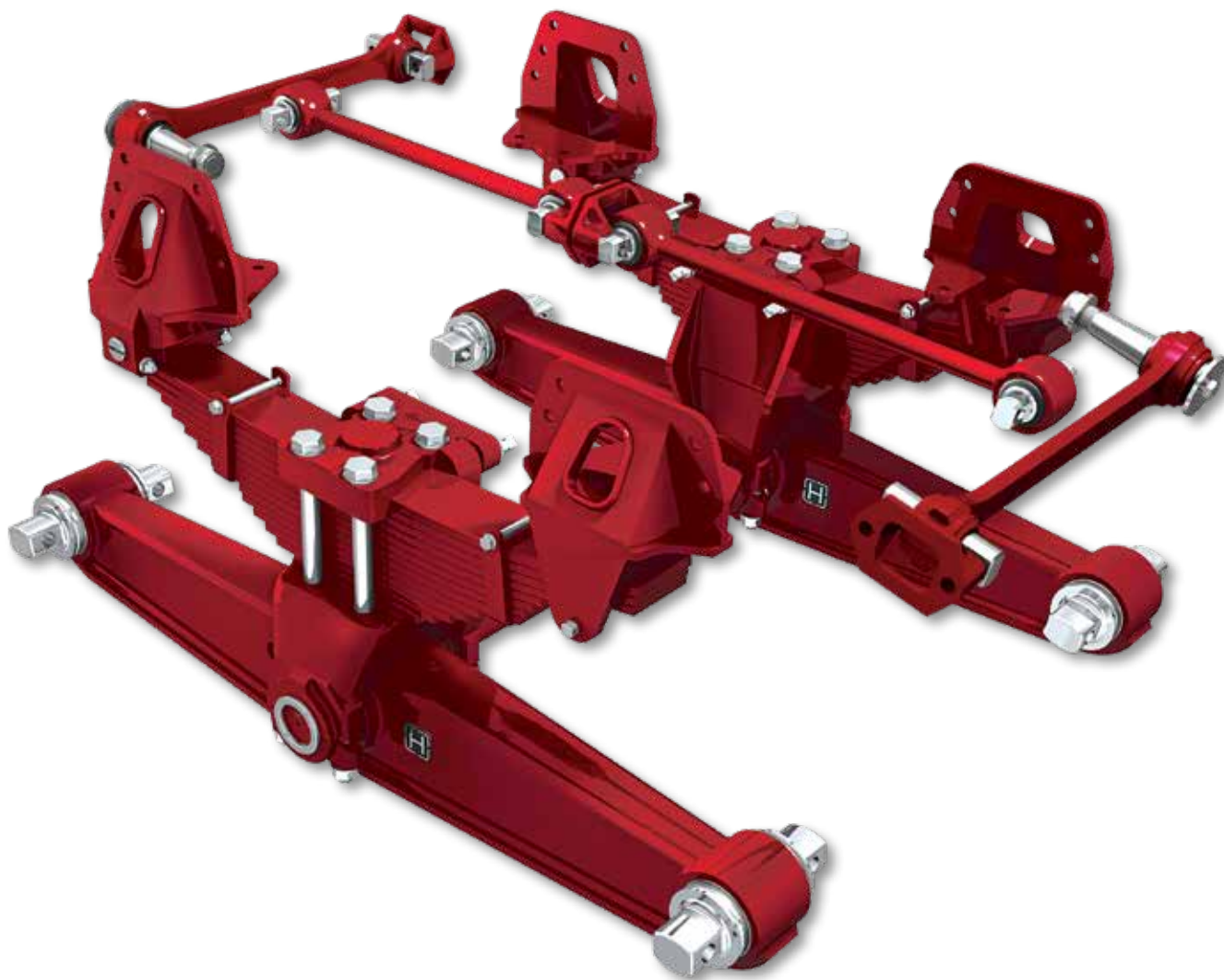


RT™

Heavy-Duty, Durable Rear Drive Axle, Steel Spring Suspension System for Vocational Trucks



- Exceptional durability
- Versatile applications
- Outstanding mobility



To learn more about RT,
call 855.743.3733 or visit www.hendrickson-intl.com

HENDRICKSON
The World Rides On Us®

Enhanced Design for Superior Durability, Stability and Off-highway Maneuverability

Hendrickson Torque Rods

- Improves cornering by controlling lateral forces
- Optional transverse rods, when bronze center bushings are specified, help ensure maximum lateral axle control and straight line suspension stability
- Longitudinal rods engineered to optimize resistance to wind up during acceleration and braking

No. 2 Spring Hangers

- Cam and leg areas receive a special flame hardening treatment that increases durability and extends life

No. 1 Spring Hangers

- Helps absorb the forces of braking and acceleration, while providing longer hanger and spring eye bushing life

Equalizing Beams

- Distributes load equally between both axles for improved maneuverability, stability and handling
- Lowers the center of gravity to increase stability
- Establishes a solid axle connection for improved handling

Saddles

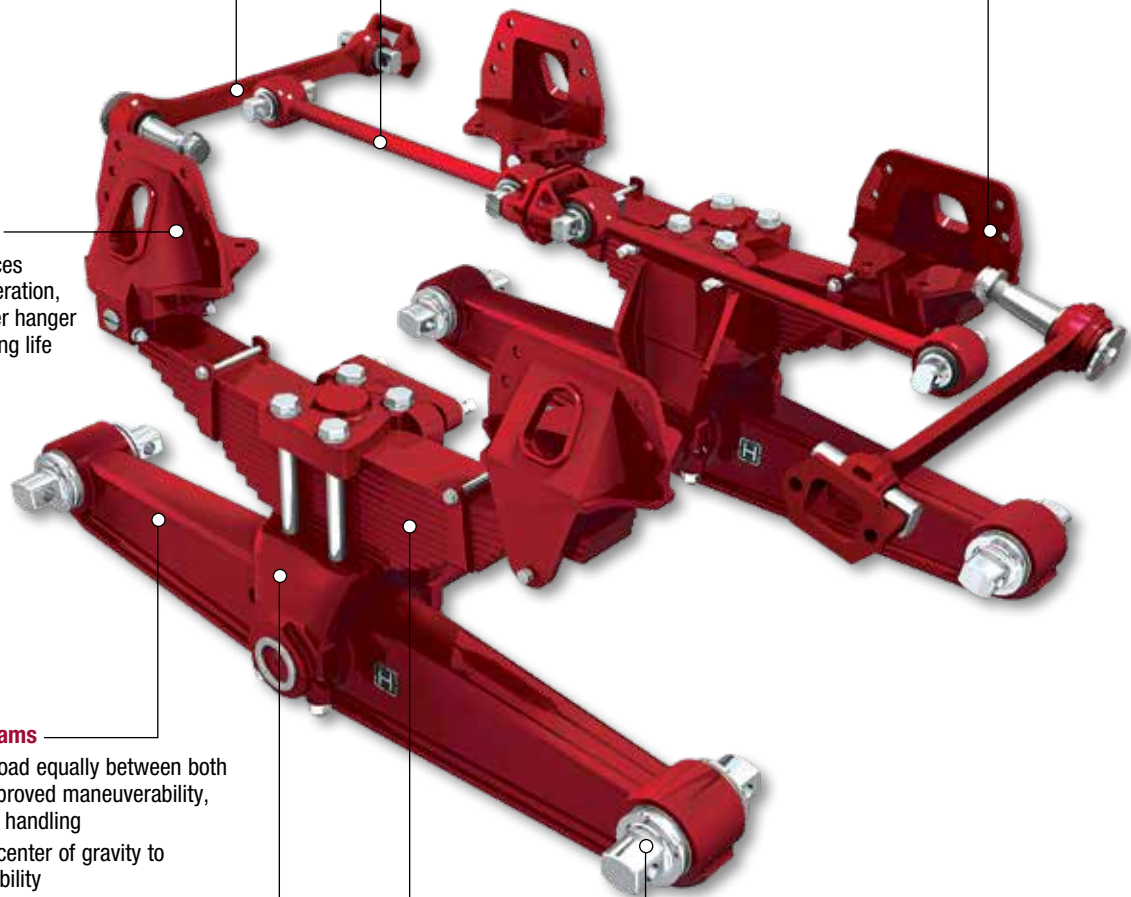
- Engineered for increased durability without adding weight
- High stress concentration areas such as chair back and legs are fortified for strength and durability

Bar Pin End Connections

- Rugged axle connection extends bushing life and allows easy axle alignment and serviceability

Spring Packs

- Genuine Hendrickson springs are made from high-strength steel
- Heat treated and shot peened for exceptional fatigue life



Fabricated Beam — Higher Strength, Higher Payloads

Hendrickson equalizing beams have been the standard in the vocational truck industry since their introduction in 1926. The equalizing beam, or walking beam, became popular for its durability as well as the traction it provides to the vehicle. Following this tradition of Hendrickson innovation, the RT suspensions in 40,000 to 46,000 pound capacities utilize fabricated walking beams, replacing the forged beams of the past. Our core competency in fabrication technology allows us to control the quality and workmanship of the system.

The fabricated equalizing beams provide an even greater strength-to-weight ratio than former designs. This means that they will stand up under demanding loads on the job site and still allow you to maximize your payload.

The beams are constructed by roll forming steel into a channel, which is robotically welded to the sturdy bottom plate. Over the years, operation on rugged job sites has demonstrated the performance and strength of the fabricated equalizing beam.



Beam Bushing Options

Rubber Center Bushings

- Standard on all Hendrickson walking beam suspensions rated up to a 40,000 pound capacity
- Can be specified up to a 46,000 pound capacity rating, when used in conjunction with transverse rods
- Maintains a high resistance to bushing walkout over a longer period of time due to the confinement of the rubber



Bronze Center Bushings

- Designed for severe applications that encounter extremely tight turns under heavy loads that are not equipped with transverse torque rods
- Standard on Hendrickson walking beam suspensions rated a 46,000 pound capacity
- Bronze bushing grease channels are precisely cut and located to ensure proper grease flow and long bushing life



Bar Pin Style End Bushings

- Easy access to fasteners for removal and re-installation
- Shim equipped kits provide accurate and quick alignment
- Provide enhanced alignment to increase tire life
- Superior service life for efficient vehicle operation and less down time



Adapter Style End Bushings

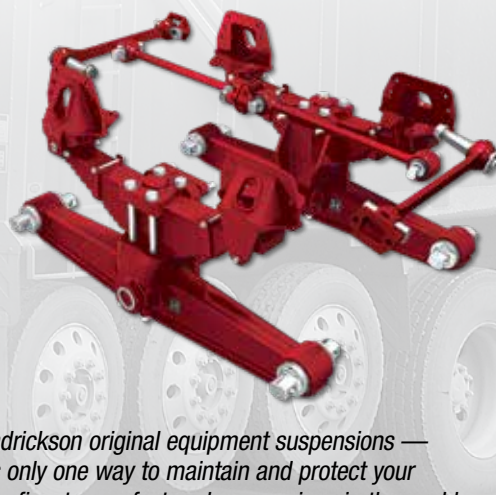
- Easy access to fasteners for removal and re-installation
- Superior service life for efficient vehicle operation and less down time



	RT™	
Suspension Rating¹ (lbs.)	40,000	46,000
Installed Weight² (lbs.)	1,207	1,301
GVWR Approval³ (lbs.)	73,000	80,000
GCWR Approval³ (lbs.)	160,000	190,000
Site Travel Rating⁴ (lbs.)	55,000	60,000
Diagonal Articulation⁴ (in.)	15	15
Lift Axles	Approved	Approved
Saddle Heights⁵ (in.)	16.45, 16.64, 17.0, & 20.45	17.0, 18.2, & 18.94
Beam Length (in.)	52, 54	52 ⁶ , 54 ⁶

Hendrickson approves the use of RT in the following vocational truck applications: dump, municipal, oil field, and utility. All such applications must comply with applicable Hendrickson specifications and must also be approved by the respective vehicle manufacturer with the vehicle in its original, as-built configuration. Contact Hendrickson and the respective vehicle manufacturer for approval of additional applications.

1. Contact Hendrickson for availability of additional capacities
2. Installed weight includes complete suspension, torque rods, axle brackets and frame brackets at 54 inch axle spacing
3. Suspension must be paired with axle of appropriate rating
4. Site travel rating – operators using vehicles equipped with liftable pusher or tag axles must not exceed published ratings. 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. Site travel ratings are consistent with published axle manufacturer's limitations. Axle and suspension site travel ratings must not be exceeded.
5. Transverse torque rods are standard on 46,000 pound capacity suspensions with rubber center bushings, refer to Hendrickson publications 59310-004 and 59310-058 for more information.
6. Heavy-duty equalizing beam option available at 46,000 pound capacity
7. Aftermarket shock absorbers available, refer to 59310-003 for more information



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.

Extended Warranty options available 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.



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