



(Trailer)

Hendrickson Severe Duty System HSDS™

The Hendrickson Severe Duty System HSDS™ delivers rugged dependability and outstanding ride quality and control for curtainsiders, platform trailers, tippers, tankers and container chassis.

With hundreds of thousands of Hendrickson suspensions on trailers running on- and off-road, these models have been the suspension of choice throughout the world in virtually every trailer application for decades.

Our patented TRI-FUNCTIONAL® Bushing in unison with a rigid beam and patent pending rigid axle connection provides the ideal combination of ride softness and roll stability. With only two long-life bushings for each suspension, HSDS™ provides a straight-forward, functional design with fewer parts to minimize maintenance.



Available with drum brakes, the HSDS supplies responsive, consistent braking power in a reliable and durable package. In addition, standard QUIK-ALIGN® provides fast, easy, accurate axle alignment using standard tools.



H HENDRICKSON

The World Rides On Us®

Features and Benefits

Conventional Ride Heights

- Suspension capacities offered up to 30K (13.6 t metric tonnes)
- Ride heights from 14 to 23 in. (370 to 580 mm)
- Available with auxiliary rebound limiter
- Quad shocks available for off-road — severe-duty applications
- Optional UNDER BEAM LIFT™ (UBL™) provides lift capability for operational flexibility and to extend tire life

TRI-FUNCTIONAL® Bushing

- Proven technology provides mile after mile of dependable service
- Voids positioned to optimally absorb all road forces
- The ideal combination of ride softness and roll stability
- Specially formulated rubber compound stands up to tough operating conditions
- Only two long-life bushings in each suspension



Rigid Trailing Arm / Rigid Axle Connection

- Patent pending beam to axle connection for rugged performance and durability in severe operating environments
- Simplicity of design reduces the number of moving parts, bushings and fasteners for minimal maintenance
- Provides superior stability while eliminating torque rods and stabilizer bars
- Eliminates retorquing requirements
- Low spring rate for exceptional ride quality

QUIK-ALIGN® Pivot Connection

- Provides quick, easy axle realignment
- Save time and money should axle realignment become necessary
- TORQ-RITE™ shear bolt eliminates guesswork
- Realign using standard tools — no torque wrench or welding required
- Optimize tire life

Hendrickson Trailer Axles

• Axle Features

- ✓ Axle capacities available up to 30K (13.6 t metric tonnes)
- ✓ Wide range of axle tracks available
- ✓ Patented axle filter protects the wheel ends from contamination

• Drum Brake Features

- ✓ Heat treated components for durability
- ✓ Forged spiders for rigidity
- ✓ Hendrickson Extended Service™ (HXS™) Brakes available in 16 × 7 and 16 × 9 in. (420 × 180 mm and 420 × 220 mm)
- ✓ Standard Cam Tube System™ (cam cover) helps extend cam life
- ✓ Dust shields standard
- ✓ Quick change outboard mounted drums



U.S. and foreign patents granted and / or pending.

Installed Weight ¹	Suspension / Axle System Capacity	Ride Heights ²
From 565 to 625 kg	Up to 13.6 t	370 to 580 mm

¹ Weight depends on ride height and axle options. Installed weight includes suspension, hangers, air springs, brakes and wheel ends

² Suspension ride heights must be set within Hendrickson specifications in order to provide load equalization among axles and to ensure proper suspension performance. Failure to maintain proper ride height settings can lead to suspension, axle or trailer damage.

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