

- Less downtime
- Reduced weight
- Superior driver comfort



Top-Mount



Underslung

Less Downtime

The HSDS[®] system is designed to be lightweight without sacrificing durability. From component and suspension simulation modeling to rigorous real-world testing scenarios in Hendrickson's state-of-the-art facility to demanding test cycles and high-articulation events on challenging proving grounds courses, the HSDS system withstands extensive test environments. The HSDS is a low-maintenance and durable system that helps contribute to reduced life cycle costs and less down time.

Reduced Weight

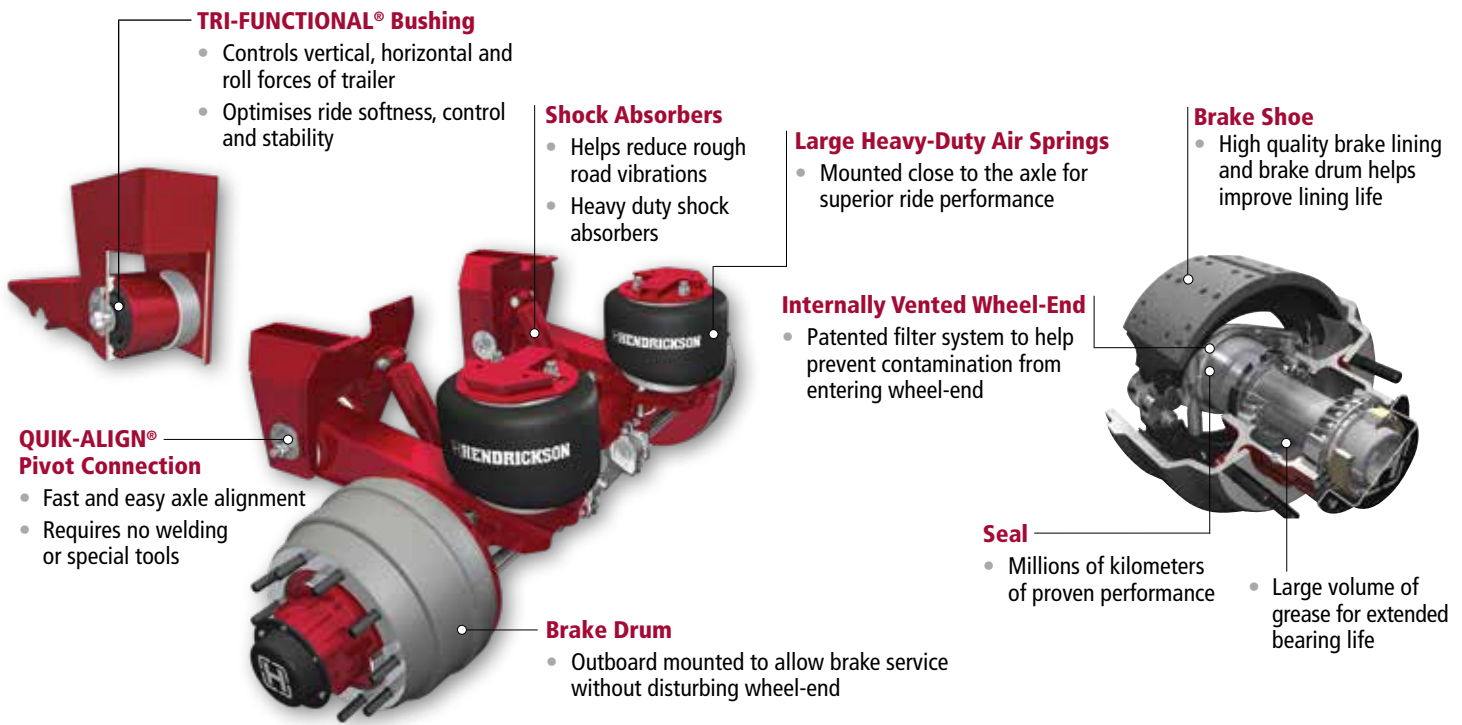
The unique features and components of the HSDS system help balance uncompromising durability with lightweight design. Hendrickson engineers use their experience to design rugged yet lightweight components that help save up to 190kg (470 lbs.) per tridem installation compared to competitive mechanical or spring air suspensions. This allows trailer fleets to carry more payload in weight-critical hauling situations. In addition, numerous industry studies have linked lighter weight trailers with better fuel efficiency.

Superior Driver Comfort

The ingenuity behind the HSDS system is found in the unique combination of the TRI-FUNCTIONAL[®] bushing, air springs and shock absorbers. The air springs are located very close behind the axle and support the majority of the load. The bushings and air springs increase the spring rate as it is loaded to match the load conditions while heavy-duty shocks absorb additional vibrations. The result is HSDS's unique balance of ride quality and stability which not only helps protect the driver, but also cushions the load and helps protect the chassis and cargo from excessive vibrations from road inputs.

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

HSDS® Drum Features and Benefits



TRI-FUNCTIONAL® Bushing

- Controls vertical, horizontal and roll forces of trailer
- Optimises ride softness, control and stability

Shock Absorbers

- Helps reduce rough road vibrations
- Heavy duty shock absorbers

Large Heavy-Duty Air Springs

- Mounted close to the axle for superior ride performance

Brake Shoe

- High quality brake lining and brake drum helps improve lining life

Internally Vented Wheel-End

- Patented filter system to help prevent contamination from entering wheel-end

Seal

- Millions of kilometers of proven performance
- Large volume of grease for extended bearing life

QUICK-ALIGN® Pivot Connection

- Fast and easy axle alignment
- Requires no welding or special tools

Brake Drum

- Outboard mounted to allow brake service without disturbing wheel-end

Value-Added Options

- UBL™ UNDER BEAM LIFT™ is a lightweight mechanism which offers cost savings and operational flexibility
- TIREMAAX® tyre inflation system helps maximise tyre life and maintain peak fuel mileage
- Heavy-duty down stops



Specifications

MODEL	BEAM TYPE	SUSPENSION CAPACITY	AXLE DIAMETER	RISE HEIGHTS	SUSPENSION WEIGHT
HSDS 10t	Top-Mount	10t (22,000 lbs.)	127mm (5 in.)	165 - 580mm (6.5 - 23 in.)	465kg (1,025 lbs.)
	Underslung				
HSDS 12t	Top-Mount	12t (26,500 lbs.)			
	Underslung				504kg (1,112 lbs.)
HSDS 13t	Top-Mount	13t (28,700 lbs.)			
	Underslung				542kg (1,195 lbs.)

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.

For additional details regarding specifications, applications, capacities and service maintenance instructions, contact Hendrickson.

Actual product performance may vary depending upon vehicle configuration, operation, service and other factors.

Call Hendrickson or visit our global websites for additional information.



500 Park Boulevard, Suite 450
Itasca, IL 60143-1285 USA
+1.630.874.9700

Hendrickson Commercial Vehicle Systems Europe

Hendrickson Austria GmbH
Gussstahlwerkstraße 21
A-8750 Judenburg, Austria
+43 3572 44011 400
eu.hendrickson-intl.com

Hendrickson Truck Commercial Vehicle Systems

800 South Frontage Road
Woodridge, IL 60517-4904 USA
+1.855.743.3733
+1.630.910.2800
www.hendrickson-intl.com

Hendrickson Trailer Commercial Vehicle Systems

2070 Industrial Place SE
Canton, OH 44707-2641 USA
+1.866.743.3247
+1.330.489.0045
www.hendrickson-intl.com

Hendrickson Commercial Vehicle Systems Australia

32-44 Letcon Drive
Dandenong South, Victoria,
3175 Australia
+61 3 8792 3600
aus.hendrickson-intl.com

Hendrickson Commercial Vehicle Systems China

No. 1668
North Section of Chunbo Road
East New Dist of Jinan High-Tech
Industrial Development Zone,
Jinan City, Shandong Province,
China, 250104
+86 531 8880 9055
china.hendrickson-intl.com

Hendrickson Commercial Vehicle Systems India

Plot No. 4 & 5, Gat. No. 679/2
Behind Hotel Gandharva
Alandi Kuruli Road, Kuruli (Chakan)
Taluka Khed, Pune 410501, India
+91 2135 662600
india.hendrickson-intl.com

Hendrickson Commercial Vehicle Systems UK

1-9 Booth Drive
Park Farm Industrial Estate
Wellingborough, NN8 6GR,
England
+44(0) 1604 493161
uk.hendrickson-intl.com