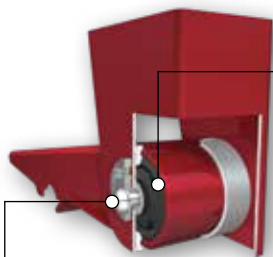


- Outstanding durability
- Superior ride quality
- Lightweight for increased payload
- Long life, low maintenance

**HSDS 10t****HSDS 12t**

To learn more about HSDS,
call Hendrickson or visit
www.hendrickson.com.au

H SDSTM Features and Benefits



TRI-FUNCTIONAL™ Bush

- Controls vertical, horizontal and roll forces of trailer
- Optimises ride softness, control and stability
- Absorbs road shock while maintaining lateral tracking and superior roll resistance

Heavy-Duty Shock Absorbers

- Higher damping helps reduce road vibrations

QUIK-ALIGN™ Pivot Connection

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

Large Heavy-Duty Air Springs

- Mounted close to the axle for superior ride quality and performance

Wheel Hub

- Heavy-duty hub design

Outboard Mounted Brake Drum

- Outboard mounted brake drum for simplified brake service without disturbing wheel-end bearings and seals

High Quality HXS™ Brake Lining

- High quality, thicker HXS brake lining helps improve lining life and extend service intervals

Internally Vented Wheel-End

- Filter system to dissipate heat and to help prevent contamination from entering wheel-end

- Large volume of semi-fluid grease for extended bearing life

- Parallel spindle with large diameter, high-quality, heavy-duty bearings

PRECISION320™ Nut System

- For ultra-precise bearing adjustment
- Extended bearing and wheel seal life



Cam Tube System™

- Grease retention and long maintenance intervals
- Single, easy access grease fitting
- Premium double-lip seals
- Helps protect against potential contamination

Low Cost of Ownership

Long Life, Low Maintenance

HSDS™ is a low maintenance and durable system that helps contribute to reduced lifecycle costs and less down time in the following ways:

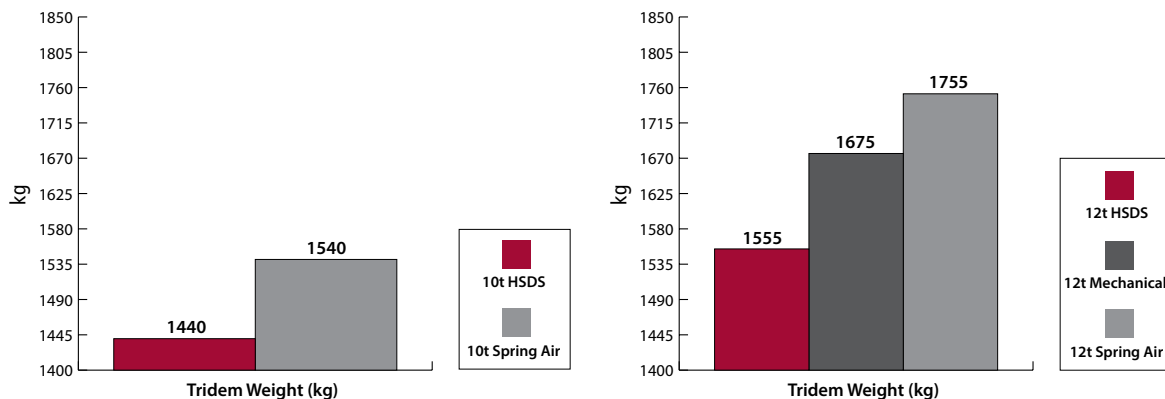
- Proven structural integrity based on decades of research and development
- High quality, heavy-duty, low-maintenance wheel-end and brake systems
- Support for reducing tyre wear through the optional TIREMAAX™ PRO automatic tyre pressure control system
- Outboard mounted drum for easy and quick brake shoe changes
- Easy alignment system
- Progressive bush rate and semi-active air springs provide long service life
- Superior recommended maintenance intervals and 3-year, industry-leading wheel-end warranty*

* Contact your local Hendrickson representative for complete warranty terms, conditions and limitations



Lightweight for Higher Payloads and Fuel Savings

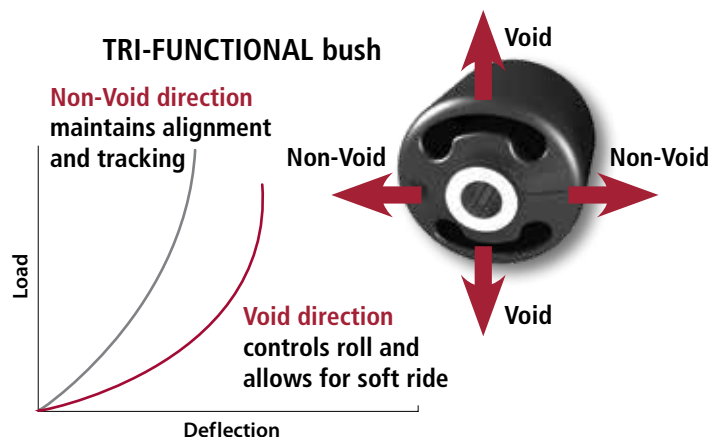
The HSDS system is designed to be lightweight without sacrificing reliability. Strong components with advanced engineering help save up to 200 kilograms per tridem installation compared to competitive mechanical or spring air suspensions helping support trailer fleets in their efforts to carry more payload and reach better fuel efficiency.



Weight includes the suspension system and related components. Above data are based upon internal testing and / or published specifications. Actual product weights may vary depending upon suspension and vehicle configuration and other factors.

Superior Driver Comfort and Equipment Protection

The ingenuity behind the HSDS system is the unique combination of the TRI-FUNCTIONAL® bushes, air springs and shock absorbers. The trailer is supported by the TRI-FUNCTIONAL bushes and the air springs, which work together to absorb road irregularities. The air springs are a semi-active device that adjust their spring rate to match the load they carry. They are located very close behind the axle and support a majority of the load. The bushes also increase spring rate as they are loaded to match the load conditions while heavy-duty shocks absorb additional vibrations. The result is HSDS's unique balance of empty and loaded ride quality and loaded stability, which helps protect the driver and cushions the load while helping to protect the chassis and cargo from excessive vibration due to potholes and other road inputs.





HSDS 10t



HSDS 12t

	MODELS	
	HSDS 10t	HSDS 12t
BEAM TYPE	Top Mount	Top Mount
SUSPENSION CAPACITY ¹ tonnes	10t at 6.9 Bar (100 psi)	12t at 6.0 Bar (87 psi)
AXLE DIAMETER mm (in.)	127 (5)	
RIDE HEIGHTS mm (in.)	390 - 490 (15 - 19)	390 - 490 (15 - 19)
AXLE TRACK mm (in.)	1,854 (73)	
AXLE CONFIGURATION	1, 2, 3 or 4 axles	
HUB PILOTED HUBS	10 studs × 335 mm (13.2 in.)	
BRAKES mm (in.)	420 × 180 (16.5 × 7) HXS™	
FRAME BRACKET TYPE	Tapered	Straight
SUSPENSION WEIGHT RANGE ² kg (lbs.)	468 (1,032) - 489 (1,078)	506 (1,116) - 523 (1,153)

1. Suspension and axle rating only. Brakes rated separately.

2. Weight includes suspension, axle, brakes and wheel-ends. Does not include brake chambers.

Value-Added Options

- UBL™ UNDER BEAM LIFT™ is a lightweight lift axle system which offers cost savings and operational flexibility
- TIREMAAX™ PRO tyre pressure control system helps extend tyre life and increase fuel efficiency
- Heavy-duty down stops recommended for high articulation and severe-duty applications (Only available with 12t suspensions)

See TIREMAAX PRO Brochure - L1017AU

See UBL UNDER BEAM LIFT Flyer - L727



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 at or visit our web site for additional information.



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