

- Maximize value
- Maximize performance
- Proven reliability



To learn more about INTRAAX,
call 866.743.3247 or visit
www.hendrickson-intl.com

INTRAAX® Options: Boost Productivity and Build Trailer Value

ZMD® ZERO MAINTENANCE DAMPING® Technology

Innovative ride solution exclusive to Hendrickson

- Reduced suspension maintenance by eliminating shocks
- Air spring performs damping function by exchanging pressurized air through channels
- Uniform damping levels
- Robust down stop provides maximum durability
- Reduced risk of CSA violations due to leaking or worn shocks
- Superior driver comfort, ride quality and cargo protection



See ZMD flyer - L1209

UBL™ UNDER BEAM LIFT™

Adds operational flexibility, helps extend tire life, improves maneuverability and increases fuel economy

- Combine with INTRAAX® (low-ride or top-mount)
- Equalizes with fixed INTRAAX systems
- No chains, cables or metal-on-metal parts to wear or bind
- Galvanized and standard primer options

See UNDER BEAM LIFT flyer - L727



TIREMAAX® PRO

Advanced tire pressure control system

- Automatically inflates tires using the trailer air supply
- Prevents over-inflation by relieving air from the tires back through the controller
- Patented[▲] controller is designed to recognize normal pressure increase due to operation



See TIREMAAX PRO brochure - L1199

[▲] 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.

Hendrickson MAXX22T™

Optimized trailer air disc brake system

- Hendrickson proprietary MAXX22T brake caliper
- Lightweight rotor and torque plate deliver substantial weight savings over standard ductile iron designs
- Bolt-on dust shield for easier installation and maintenance
- Hendrickson comprehensive warranty* coverage

See MAXX22T flyer - L1239



RTR® READY-TO-ROLL®

Fully integrated solutions that help minimize operating costs and improve performance

- HXL3® Hendrickson Extended-Life 3-year System™*
- HXL5® Hendrickson Extended-Life 5-year System™*
- HXL7® Hendrickson Extended-Life 7-year System™*

See RTR READY-TO-ROLL Wheel-End flyer - L1200

Brake Options

Extend intervals between brake service

- HXS® Hendrickson Extended Service™ brakes with thicker lining blocks to extend brake life
- Wide HXS (16.5 × 8.625 in.) brakes can help increase the miles between brake service
- Air disc brakes available on select models

See Understanding Air Ride - L761 (Brake Efficiency)

See Air Disc Brake flyer - L889

Corrosion Protection / Coatings

Hendrickson coating options help protect your investment

Suspension / Axle / Beams

- **Black or Grey Soft-Coat:** A self-healing, pliable, water resistant coating that has the ability to re-seal itself in areas with minimal damage
- **Black Primer:** Our premium black primer using a multi-stage cleaning and preparation process for high adhesion

Frame Brackets / Air Spring Mounting Plates

- **Galvanized:** Zinc coating for improved chip and corrosion resistance
- **Black Primer**
- **Black or Grey Soft-Coat**

Brakes

- **E-coat:** All Hendrickson brake shoes utilize a high quality, e-coat process for improved resistance to rust-jacking
- **AAXTREME COAT®:** Premium brake shoe coating provides extreme corrosion protection in tough environments

See E-coat brochure - L1205 See AAXTREME COAT flyer - L1207

High Control Suspensions

- For single-axle and multi-articulated applications that require even greater road stability

See HIGH CONTROL flyer - L667

Raised-Center Axle

- Ideal for tanker operators
- Available in top-mount AAT 23K / 25K and as a low ride / liftable AAL 23K / 25K

See INTRAAX Raised-Center Axle flyer - L1065

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

INTRAAX SUSPENSIONS	AVAILABILITY*
AANT 23K	ADB OK – requires unique HCV
AANL 23K	Requires rear mounted and unique HCV
AAT 23K, 25K, 30K	ADB OK without SURELOK® – requires unique HCV
AAL 23K, 25K, 30K	ADB OK - Requires rear mounted shocks
AAEDL 30K / AAEDT 30K	MAXX22T ADB not available
AAZNT 23K, 46K	Requires unique HCV
AAZNT 69K	ADB OK

TOP-MOUNT



AANT 23K

The road-proven INTRAAX® AANT provides an advanced system for weight-conscious haulers running straight-frame platforms, container chassis, liquid tankers, grain hoppers, bottom dumps and livestock trailers. AANT teams tapered-beam and LDA™ Large-Diameter Axle technologies for increased roll stiffness, reduced weight and improved durability. AANT 23K maintains a smooth ride, superior performance and rugged durability. Hendrickson's revolutionary ZMD® ZERO MAINTENANCE DAMPING® shockless ride technology is available on select AANT 23K models.

See *INTRAAX AANT 23K flyer - L764*



AANT 23K

AAT 23K / 25K / 30K

Ideal for platforms, tankers, dumps, grain hoppers and specialty trailers — on- and off-highway. Satisfied operators continue to prove INTRAAX's reliability and performance, piling up thousands of miles on tens of thousands of trailers worldwide every year. With a well-deserved reputation for low maintenance and with a 5.75-inch LDA Large-Diameter Axle, INTRAAX costs less to operate over the long haul and helps keep rigs rolling down the road. Hendrickson's revolutionary ZMD ZERO MAINTENANCE DAMPING shockless ride technology is available on select AAT 23K / 25K models.

See *INTRAAX AAT 23K/25K/30K flyer - L1153*



AAT 23K

EXTREME-DUTY



AAEDT 30K / AAEDL 30K

To meet the grueling demands of logging, forestry, mining and construction operations, Hendrickson designed INTRAAX extreme-duty models. Available in both top-mount (AAEDT 30K) and low-ride / liftable (AAEDL 30K) configurations, these models deliver an integrated 30,000-pound capacity axle and suspension system for severe-duty and heavy-haul operations. Extreme-duty systems offer the muscle needed for rigorous off-highway and heavy-hauling applications including loggers, chip vans, dumps, tankers, straight- and drop-deck platforms and specialty trailers. Rugged features include low-pressure air springs with steel pistons, high-damping, extended-service shock absorbers and a 30,000-pound capacity axle. Heavy-duty options include rear-mount shock absorbers and chain down-stops for maximum suspension damping and control.

See *INTRAAX AAEDT / AAEDL 30K flyer - L741*



AAEDT 30K

AAEDT 30K with optional chain down-stops and rear-mount shocks

AAEDL 30K with optional chain down-stops, rear-mount shocks and UBL™ UNDER BEAM LIFT™

LOW-RIDE / LIFTABLE



AANL 23K

For weight-conscious haulers, we've incorporated tapered-beam and Hendrickson's LDA™ Large-Diameter Axle technology for increased roll stiffness, reduced weight and improved durability into the AANL 23K suspension for a lighter weight option for the road-proven AANL 23K suspension. An optional UBL™ UNDER BEAM LIFT™ provides the AANL with lift capability to increase operational flexibility, trailer maneuverability and tire life in tanker, grain, livestock and platform trailers. The lower ride-height AANL 23K gives operators of drop-decks, lowboys and flatbeds the exceptional freight protection, superior performance and operating efficiencies that have made INTRAAX® the recognized leader in quality and the premier air suspension on the market.

See *INTRAAX AANL 23K flyer - L958*



AANL 23K



UBL™
UNDER BEAM LIFT™

AAL 23K / 25K / 30K

Low-rise/liftable systems deliver the proven benefits of INTRAAX technology to applications including platforms, dumps, drop-decks, lowboys, tankers, B-trains, livestock and specialty trailers. INTRAAX AAL models are now available with Hendrickson's LDA Large-Diameter Axle, for increased roll stiffness, reduced weight and improved durability. The low-profile design of the AAL covers a wide range of ride heights to meet a broad array of on- and off-highway applications from low-deck trailers to high-clearance, off-highway operations needing a liftable suspension. An optional UBL UNDER BEAM LIFT provides the AAL with lift capability to increase operational flexibility, trailer maneuverability and tire life in tanker, grain, livestock and platform trailers.

See *INTRAAX AAL flyer - L1066*



AAL 25K

AANLS 20K

Bringing the durability, low-maintenance and lightweight advantages of suspension/axle/brake integration to a compact low-rise system, AANLS proves exceptional for autohaulers, moving vans and drop-frame trailers. The system delivers a package about 120 pounds per axle lighter than comparable suspensions. AANLS gives operators the exceptional freight protection, superior performance and operating efficiencies they have come to expect from INTRAAX.

See *INTRAAX AANLS 20K flyer - L817*



AANLS 20K

PLATFORM SLIDERS - INTRAAX® SP

AAZNT 23K / 46K / 69K and AAZL 23K / 46K

INTRAAX SP models equip fleets with a durable and low-maintenance slider system designed specially for platform and drop-deck trailers.

AAZ models come standard with LDA Large-Diameter Axles and feature Hendrickson's road proven INTRAAX suspensions and an unmatched slider box design. This lightweight platform slider weighs as much as 800 pounds less than comparable sliders and up to 100 pounds less than mechanical sliders.

See *INTRAAX SP Platform Slider flyer - L792*



AAZL 23K



AAZNT 69K



AAZNT 46K

Standard INTRAAX[®] features deliver black to your bottom line

Low Maintenance and Convenience — Save Time and Money

- Simple, functional design uses fewer parts — that means fewer parts to wear out
- QUIK-ALIGN[®] — fast and easy axle realignment requires no welding or special tools
- TRI-FUNCTIONAL[®] Bushings — proven technology for mile after mile of dependable service
- Single source for comprehensive technical support, training and warranty



Performance Plus

- Low spring rates deliver superb ride quality
- High-capacity air springs with low operating pressures allow rapid air-up
- Rigid trailing arm with solid axle connection offers stable and durable design
- TRI-FUNCTIONAL Bushings optimize ride softness and control
- Shock absorbers designed with premium seals and bonded bushings for long life
- Optional large-bore, high-damping shocks provide greater suspension control
- Quality-controlled assembly including ABS sensor testing, ensures optimal performance



Responsive and Consistent Stopping Power

- Hendrickson's standard Cam Tube System[™] enhances S-cam alignment and helps extend brake component life
 - Seven times more grease than spherical style camshaft assemblies
- 10-inch S-cam eliminates windup and reduces bushing wear
 - Up to a half-inch less stroke required
 - Provides more braking reserve — without the cost of long-stroke chambers
 - Lower air consumption, critical for ABS performance
 - Faster application and release cycles
- Heat-treated components for greater durability



Superior Axle Design

Hendrickson stands as one of the world's largest trailer axle manufacturers



- Hendrickson LDA[™] Large-Diameter Axle usage has expanded within the INTRAAX[®] and INTRAAX SP models
 - Trims up to 27 pounds compared to five-inch axle, allowing more cargo per load
 - Bending and torsional stiffness increased by as much as 14 percent for rugged durability
 - Greater roll stability
 - Reduced deflection under load
- Straighter, neutral-toe axle helps improve tire life and fuel mileage
- Spindle, axle wrap and spider mounting surfaces machined in one step after friction welding to ensure precise brake geometry and wheel positioning — giving you enhanced brake life and efficiency
- Advanced axle wrap and window weld technology for optimal structural integrity
- Brake hardware attached to trailing arms rather than welded to axle, minimizing axle stress



Low-Maintenance Integrated Systems from a Single Source

- Long-term warranty on axle / beam connection*
- Leading structural warranty*
- Supported by OEMs, dealers and designated distributors throughout North America
- Backed by Hendrickson's outstanding technical support staff
- Quickly replace damaged axles without grinding or welding
- Wide availability of Hendrickson Genuine Parts

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

See Cam Tube System flyer - L1214



INTRAAAX® Sharpens Your Competitive Edge



Worldwide OEMs, fleets and owner operators put their trust in INTRAAX® for advanced trailer air suspension technology.

An innovative integrated trailer air suspension / axle / brake system, INTRAAX tames demanding applications with a straightforward, functional design derived from sophisticated engineering. The INTRAAX family brings a breadth of models to meet your hauling challenges — top-mount, low-ride, extreme-duty, single and tandem sliders and liftable models in capacities from 20,000 to 30,000 pounds.

INTRAAAX helps to increase payload, protect cargo, ensure driver comfort and keep equipment operating at peak efficiency. For more information on INTRAAX, contact your local trailer dealer or Hendrickson at 1-866-RIDEAIR (743-3247).

INTRAAAX Specifications

	Model	Suspension Capacity (lbs.)	Axle Rating ¹ (lbs.)	Axle Dia. (inches)	Ride Height ² (inches)	Base Model Weight (lbs.)
Primary	AANT 23K	23,000	23,000	LDA™	12, 13.5, 14, 15, 16, 17, 18, 19	490
	AAT 23K	23,000	23,000	LDA	13.5, 14, 15, 16, 17, 18, 19	528
	AAT 25K	25,000	25,000	LDA	13.5, 14, 15, 16, 17, 18, 19	551
	AAT 30K	30,000	25,000	LDA	13.5, 14, 15, 16, 17, 18, 19	555
	AAEDT 30K	30,000	30,000	5	14, 15, 16, 17	682
	AANLS 20K	20,000	20,000	5	6.25, 7, 9, 12	542
	AANL 23K	23,000	23,000	LDA	6.5, 7.5, 8, 9, 12, 14, 15, 16, 17	521
	AAL 23K	23,000	23,000	LDA	6.5, 7.5, 8, 9, 12, 14, 15, 16, 17, 19	570
	AAL 25K	25,000	25,000	LDA	6.5, 7.5, 8, 9, 12, 14, 15, 16, 17, 19	586
	AAL 30K	30,000	25,000	LDA	9, 12, 14, 15, 16, 17, 19	612
Slider	AAEDL 30K	30,000	30,000	5	9, 12, 14, 15, 16, 17, 19	662
	AAZNT 23K	23,000	23,000	LDA	13.5, 14, 15, 16, 17	775 ³
	AAZNT 46K	46,000	23,000	LDA	13.5, 14, 15, 16, 17	1,444 ⁴
	AAZNT 69K	69,000	23,000	LDA	16, 16.5, 17, 18	2,180 ⁵
	AAZL 23K	23,000	23,000	LDA	6.5, 7.5, 8, 9, 12	880 ³
	AAZL 46K	46,000	23,000	LDA	6.5, 7.5, 8, 9, 12	1,656 ⁴

1. Axle structure rating only. Brakes rated separately
2. Frame bracket availability may vary by ride height
3. Based on 37-inch I-beam model

4. Based on 37-inch I-beam model with 49-inch axle spread
5. Based on 37-inch I-beam with 60-inch axle spread

For additional details and specifications, see the following Hendrickson publications: • **Application Guide - L707**

- **INTRAAAX Top-Mount Specifications - L600** • **INTRAAAX Low-Ride-Height / Liftable Specifications - L729** • **INTRAAAX SP Specifications - L840**

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 **330.489.0045** or **866.RIDEAIR (743.3247)** for additional information.



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