

HENDRICKSON USE ONLY

ORDERING GUIDE

INTRAAX® SUSPENSION

LIT NO: L602

DATE: November 2011

REVISION: 0

FORM INSTRUCTIONS:

For complete price and model number information on an INTRAAX® suspension system, fax this form to 800.696.4416 in the U.S. or 905.789.1033 in Canada. For additional assistance, please call toll-free 866.RIDEAIR (743.3247) in the U.S. or 800.668.5360 in Canada.

TO: _____ **FROM:** _____ **COMPANY NAME:** _____
DATE: _____ **PHONE:** _____ **FAX:** _____

SAME AS: _____ **EXCEPT:** _____

SUSPENSION

SUSPENSION MODEL:	<input type="checkbox"/> AANT 23K	<input type="checkbox"/> AAT 23K	<input type="checkbox"/> AAT 25K	<input type="checkbox"/> AAT 30K ¹	<input type="checkbox"/> AAEDT 30K				
	<input type="checkbox"/> AANLS 20K	<input type="checkbox"/> AANL 23K	<input type="checkbox"/> AAL 23K	<input type="checkbox"/> AAL 25K	<input type="checkbox"/> AAL 30K ¹	<input type="checkbox"/> AAEDL 30K			
RISE HEIGHT: (Inches)	<input type="checkbox"/> 6.25	<input type="checkbox"/> 6.5	<input type="checkbox"/> 7	<input type="checkbox"/> 7.5	<input type="checkbox"/> 8	<input type="checkbox"/> 9	<input type="checkbox"/> 12	<input type="checkbox"/> 13	
	<input type="checkbox"/> 13.5	<input type="checkbox"/> 14	<input type="checkbox"/> 15	<input type="checkbox"/> 16	<input type="checkbox"/> 17	<input type="checkbox"/> 18	<input type="checkbox"/> 19		
FRAME BRACKET:	<input type="checkbox"/> Bolt-On	<input type="checkbox"/> Weldable Bolt-On	<input type="checkbox"/> Side-Mount Bolt-On			<input type="checkbox"/> Weld-On	<input type="checkbox"/> Other:		
	MOUNTING BOLT SIZE:		<input type="checkbox"/> 0.500"	<input type="checkbox"/> 0.625"	BOLT PATTERN NUMBER:				
FRAME BRACKET STYLE:	<input type="checkbox"/> Wingless Hanger		<input type="checkbox"/> Hanger with Wing						
FRAME BRACKET PROFILE:	<input type="checkbox"/> N/A	<input type="checkbox"/> Standard	<input type="checkbox"/> Tapered (AANT/AANL models only ²)						
CHANNEL:	<input type="checkbox"/> Standard C-Channel	<input type="checkbox"/> Bolt-on C-Channel with struts ³	<input type="checkbox"/> Customer Supplied	<input type="checkbox"/> Included	<input type="checkbox"/> Other:				
FRONT SHOCK ABSORBER:	<input type="checkbox"/> Standard	<input type="checkbox"/> Extended Service/High Damping			<input type="checkbox"/> No ⁴				
FRONT SHOCK STRAPS:	<input type="checkbox"/> Yes		<input type="checkbox"/> No						
REAR SHOCK ABSORBER⁵:	<input type="checkbox"/> Extended Service/High Damping			<input type="checkbox"/> No					
REBOUND LIMITER:	<input type="checkbox"/> Yes		<input type="checkbox"/> No						
SURELOK® READY:	<input type="checkbox"/> Yes		<input type="checkbox"/> No						
TRAVEL:	<input type="checkbox"/> Standard	<input type="checkbox"/> Ltd Jounce/Up-Travel (AAL)	<input type="checkbox"/> Ltd Rebound/Down-Travel (AAT)						

1. Suspension models are limited to a 25,000-pound axle rating.

2. Frame bracket profile is required for all AANT models and 12- through 17-inch ride height AANL models.

3. Only available with bolt-on frame brackets.

4. Selection only permitted when rear shock absorbers are specified.

5. Rear shock absorbers are available on AAL, AAEDT and AAEDL suspensions only.



SUSPENSION (CONTINUED)

AIR SPRING PSI RANGE:	<input type="checkbox"/> Standard	<input type="checkbox"/> Low Pressure (Limited Availability by Model)		
HIGH CONTROL SUSPENSION ⁶:	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
BUSHING TUBE SPACER ^{7,8}:	<input type="checkbox"/> Standard	<input type="checkbox"/> Optional Cap Style		
FRAME BRACKET TO BEAM:	<input type="checkbox"/> Assembled	<input type="checkbox"/> Non-Assembled		
SUSPENSION PAINT OPTIONS:				
Surface Coating — Axle/Beam Weldment:	<input type="checkbox"/> None	<input type="checkbox"/> Standard Black Primer	<input type="checkbox"/> Finished Soft Coat- Black	<input type="checkbox"/> Finished Soft Coat- Gray
Surface Coverage — Frame Brackets:	<input type="checkbox"/> Standard (same as surface coating)		<input type="checkbox"/> None /Do Not Paint Frame Brackets	<input type="checkbox"/> Galvanized ⁹

AXLE * (*Refer to L846 — *Wide Base Tire Configuration Bulletin* for Track / Wheel Recommendations)

STYLE:	<input type="checkbox"/> Straight	<input type="checkbox"/> Cambered (AANT, AAT)	<input type="checkbox"/> Raised Center (AAT 23K & 25K Only)				
TRACK (Inches):	<input type="checkbox"/> 71.5	<input type="checkbox"/> 73	<input type="checkbox"/> 75.5	<input type="checkbox"/> 76.5	<input type="checkbox"/> 77.5	<input type="checkbox"/> 83.5	<input type="checkbox"/> 85
SPINDLE:	<input type="checkbox"/> HN	<input type="checkbox"/> HP					
AXLE WALL:	<input type="checkbox"/> Standard	<input type="checkbox"/> Heavy Duty (Limited Availability by Model)					
TIRE INFLATION SYSTEM ¹⁰:	<input type="checkbox"/> No	<input type="checkbox"/> TIREMAAX [®] CP (Complete Worksheet on Page 4)		<input type="checkbox"/> TIREMAAX [®] PRO (Complete Worksheet on Page 4)		<input type="checkbox"/> 3-Hole Prep	

BRAKES

BRAKE TYPE:	<input type="checkbox"/> Drum	<input type="checkbox"/> Air Disc (Complete L895 – <i>Air Disc Brake Ordering Guide</i>)					
BRAKE SIZE:	<input type="checkbox"/> 16.5" x 7"	<input type="checkbox"/> 16.5" x 7" HXS [®]	<input type="checkbox"/> 16.5" x 8-5/8" HXS	<input type="checkbox"/> 15" x 8-5/8" HXS (Not available on product w/ LDA)			
BRAKE SHOE/LINING:	<input type="checkbox"/> Abex 3030-197	<input type="checkbox"/> Abex 931-162	<input type="checkbox"/> Hendrickson ULTRAA 20 [™]		<input type="checkbox"/> Abex NAB 456		
S-CAM:	<input type="checkbox"/> 28 Spline	<input type="checkbox"/> 10 Spline					
DUST SHIELD:	<input type="checkbox"/> No	<input type="checkbox"/> Yes					
ABS SENSOR:	<input type="checkbox"/> No	<input type="checkbox"/> Haldex 19.7"	<input type="checkbox"/> Wabco 15.7"				



ARE YOU ORDERING WHEEL-END OPTIONS? No (Complete Remainder of Page 2 and Go to Page 4) Yes (Go to Page 3)

BRAKE CHAMBER:	<input type="checkbox"/> No	<input type="checkbox"/> Standard 30/30, 2.5" Stroke					
BRAKE CHAMBER WARRANTY:	<input type="checkbox"/> No	<input type="checkbox"/> Standard (4-Year Limited)	<input type="checkbox"/> Extended Life (6-Year Limited)				
BRAKE ADJUSTER:	<input type="checkbox"/> No	<input type="checkbox"/> Standard 5.5"	<input type="checkbox"/> Standard 6.0"				
SPINDLE NUT:	<input type="checkbox"/> No	<input type="checkbox"/> Standard 3-Piece Nut					

6. High control suspensions are recommended for single-axle trailers in multi-trailer combinations, all dollies and full trailers with two single axles. Not for use on multiple-axle trailers.
7. The cap style bushing tube spacer is a standard component on the following models: AAEDT / AAEDL 30K, AAT / AAL 30K. It is an available option on: AAT / AAL 23K, AAT / AAL 25K. It is not available on AANLS 20K, AANL 23K or AANT 23K suspensions.
8. All logging trailers and petroleum tankers require the cap style bushing tube spacer.
9. Galvanized coating option is only available with bolt-on frame brackets and is not compatible with weld-on channels or other weld-on components assembled by the OEM.
10. Hendrickson does not provide warranty coverage for the installation, performance or components of a competitor brand tire inflation system installed on a Hendrickson suspension. Any consequential damages to the Hendrickson suspension resulting from a failure to the competitor brand tire inflation system or components, whether installed by the OEM, repair facility or end-user customer, should be directed to the respective tire inflation system manufacturer for warranty coverage.

	<input type="checkbox"/> Standard Service (1-Year Limited Warranty ¹²)	<input type="checkbox"/> Hendrickson Value System™ – HVS™ (3-Year Limited Warranty ¹²)	<input type="checkbox"/> Hendrickson Long-Life System™ – HLS™ (5-Year Limited Warranty ¹²)	<input type="checkbox"/> Hendrickson Extended Life System™ – HXL7™ (7-Year Limited Warranty ¹²)
SPINDLE:	<input type="checkbox"/> HN <input type="checkbox"/> HP	<input type="checkbox"/> HN <input type="checkbox"/> HP	<input type="checkbox"/> HN <input type="checkbox"/> HP	HP
HUB MATERIAL:	<input type="checkbox"/> Ductile Iron <input type="checkbox"/> ADI <input type="checkbox"/> Aluminum	<input type="checkbox"/> Ductile Iron <input type="checkbox"/> ADI <input type="checkbox"/> Aluminum	<input type="checkbox"/> Ductile Iron <input type="checkbox"/> ADI <input type="checkbox"/> Aluminum	<input type="checkbox"/> Ductile Iron <input type="checkbox"/> Aluminum
HUB STYLE:	Hub Piloted	Hub Piloted	Hub Piloted	Hub Piloted
NUMBER OF STUDS:	10	10	10	10
BOLT CIRCLE DIAMETER:	11.25"	11.25"	11.25"	11.25"
WHEEL MATERIAL¹³:	<input type="checkbox"/> Aluminum <input type="checkbox"/> Steel <input type="checkbox"/> Steel / Aluminum	<input type="checkbox"/> Aluminum <input type="checkbox"/> Steel <input type="checkbox"/> Steel / Aluminum	<input type="checkbox"/> Aluminum <input type="checkbox"/> Steel <input type="checkbox"/> Steel / Aluminum	<input type="checkbox"/> Aluminum <input type="checkbox"/> Steel <input type="checkbox"/> Steel / Aluminum
DUAL / SUPER SINGLE¹³: (SS) Short Stud (LS) Long Stud	<input type="checkbox"/> Dual <input type="checkbox"/> Super Single (SS) <input type="checkbox"/> Super Single (LS)	<input type="checkbox"/> Dual <input type="checkbox"/> Super Single (SS) <input type="checkbox"/> Super Single (LS)	<input type="checkbox"/> Dual <input type="checkbox"/> Super Single (SS) <input type="checkbox"/> Super Single (LS)	<input type="checkbox"/> Dual <input type="checkbox"/> Super Single (SS) <input type="checkbox"/> Super Single (LS)
DRUM MATERIAL¹³:	<input type="checkbox"/> Cast <input type="checkbox"/> Fused	<input type="checkbox"/> Cast <input type="checkbox"/> Fused	<input type="checkbox"/> Cast <input type="checkbox"/> Fused	<input type="checkbox"/> Cast <input type="checkbox"/> Fused
LUBE TYPE:	<input type="checkbox"/> SAE 80/90 <input type="checkbox"/> Semi-Fluid Grease	<input type="checkbox"/> SAE 80/90 <input type="checkbox"/> Synthetic 75W/90	Semi-Fluid Grease	Semi-Fluid Grease
SEAL:	<input type="checkbox"/> Stemco Voyager (Standard) <input type="checkbox"/> Stemco Discover <input type="checkbox"/> Stemco Guardian <input type="checkbox"/> Federal Mogul	Standard	Standard	Standard
BEARING:	Standard	Standard	Standard	Standard
SPINDLE NUT:	Standard 3-Piece Nut	Standard 3-Piece Nut	Standard 3-Piece Nut	Precision320™
HUBCAP TYPE:	Standard Bolt-on	Standard Bolt-on	Standard Bolt-on	Corrosion Resistent Bolt-on
ABS TONE RING:	Yes	Yes	Yes	Yes

DRUM OPTIONS

DRUM DUTY:	<input type="checkbox"/> Standard	<input type="checkbox"/> Heavy Duty
DRUM BALANCING:	Balanced	
WHEEL FASTENERS:	<input type="checkbox"/> Yes ¹⁴	<input type="checkbox"/> No

11. Consult a customer service representative to ensure the compatibility of the wheel-end equipment with the other selected suspension parameters.

12. Refer to Hendrickson publication L583, *Comprehensive Warranty Statement* for complete details.

13. Information purpose only, not for ordering. Contact Hendrickson for the axle rating when offset wheels are used.

14. Two (2) wheel fasteners factory installed per wheel-end with balance packaged in plastic bag, taped and stretch-wrapped to each wheel-end.

ACCESSORY ITEMS (Not Included in INTRAAX® Model Number — Sold Separately)

HEIGHT CONTROL VALVE:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Integral Dump:	<input type="checkbox"/> Yes	<input type="checkbox"/> No
MANUAL DUMP VALVE:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	With Enclosure:	<input type="checkbox"/> Yes	<input type="checkbox"/> No
UNIVERSAL LOAD SCALE KIT:	<input type="checkbox"/> Yes	<input type="checkbox"/> No			
UNDER BEAM LIFT¹⁵:	<input type="checkbox"/> Yes	<input type="checkbox"/> No			

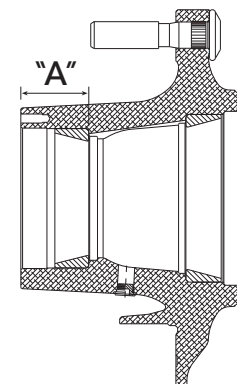
TIREMAAX® KIT WORKSHEET¹⁶ (Not Included in INTRAAX Model Number — Sold Separately)

CONTROLLER TYPE:	<input type="checkbox"/> CP	<input type="checkbox"/> PRO				
NUMBER OF AXLES:	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> Other:	
HUBCAP TYPE:	<input type="checkbox"/> Bolt-On	<input type="checkbox"/> Extended Bolt-On ^{17,18,19}				
LUBE TYPE:	<input type="checkbox"/> Semi-Fluid Grease		<input type="checkbox"/> Oil			
WHEEL STYLE:	<input type="checkbox"/> Dual	<input type="checkbox"/> Super Single - Steel 180° Fitting		<input type="checkbox"/> Super Single - Steel 135° Fitting		
	<input type="checkbox"/> Super Single - Aluminum Standard Fitting					
TIRE SIZE:	<input type="checkbox"/> 17 - 19.5"		<input type="checkbox"/> 22.5"	<input type="checkbox"/> 24.5"		
COLD TIRE PRESSURE SETTING (psi)²⁰:	<input type="checkbox"/> 70	<input type="checkbox"/> 75	<input type="checkbox"/> 80	<input type="checkbox"/> 85	<input type="checkbox"/> 90	<input type="checkbox"/> 95
	<input type="checkbox"/> 105	<input type="checkbox"/> 110	<input type="checkbox"/> 115	<input type="checkbox"/> 120		<input type="checkbox"/> 100
TRAILER-MOUNTED INDICATOR LAMP KIT:	<input type="checkbox"/> Standard		<input type="checkbox"/> LED	<input type="checkbox"/> No		
WIRING HARNESS:	<input type="checkbox"/> Premium, 15-Foot, ABS-ready		<input type="checkbox"/> Standard, 18-inch, Wiring Adaptor Plug			
	<input type="checkbox"/> Premium, 3-Foot, ABS-ready		<input type="checkbox"/> None			
AIR PLUMBING KIT:	<input type="checkbox"/> Manifold ²¹		<input type="checkbox"/> None			
CONTROLLER TANK VALVE²²: (Pressure Check)	<input type="checkbox"/> Yes		<input type="checkbox"/> No			

If the hub bore dimension is less than the dimension shown in the chart, an extended hubcap is required for proper rotary joint assembly clearance.

SPINDLE NUT SYSTEM	Dimension "A"	
	SPINDLE TYPE	
	HN	HP
Standard three-piece	1.52"	1.44"
Stemco PRO-TORQ one-piece	1.69"	2.12"

Dimension "A" is measured from the bottom of the bearing cup to the hubcap mounting surface.



- 15. When selecting a UBL, its operating limitations may vary depending upon the suspension model, ride height and application. In some cases, a lift is only recommended for lifting an unloaded trailer. Contact Hendrickson for assistance.
- 16. When installing TIREMAAX, please contact Hendrickson to verify correct wheel-end component integration.
- 17. Required with TIREMAAX CP equipped with Stemco PRO-TORQ spindle nut.
- 18. Required with TIREMAAX CP equipped with ADI hubs on HN spindle.
- 19. Required with TIREMAAX PRO equipped with castellated spindle nut.
- 20. Refer to tire manufacturer's recommended tire pressure. TIREMAAX PRO with Dual wheels restricted to Cold Tire Pressure Setting of 80-120 psi. TIREMAAX PRO with Single wheels restricted to Cold Tire Pressure Setting of 90-120 psi.
- 21. Not required for single-axle systems.
- 22. Not available with TIREMAAX PRO.



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