

HENDRICKSON USE ONLY**ORDERING GUIDE****INTRAAX® SUSPENSION**

LIT NO: L602

DATE: December 2020

REVISION: QQ

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:	EMAIL:		
SAME AS:			EXCEPT:		

SUSPENSION

SUSPENSION MODEL:	<input type="checkbox"/> AAT 23K <input type="checkbox"/> AAT 25K <input type="checkbox"/> AAT 30K ¹ <input type="checkbox"/> AAEDT 30K <input type="checkbox"/> AAL 23K <input type="checkbox"/> AAL 25K <input type="checkbox"/> AAL 30K ¹ <input type="checkbox"/> AAEDL 30K					
	REQUIRES ENGINEERING APPROVAL: <input type="checkbox"/> AANT 23K <input type="checkbox"/> AANL 23K <input type="checkbox"/> AANLS 20K					
RIDE HEIGHT: (inches)	<input type="checkbox"/> 6.5 <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"/> Weld-on Stainless Steel ² <input type="checkbox"/> Other					
	MOUNTING BOLT SIZE: <input type="checkbox"/> 0.500" <input type="checkbox"/> 0.625" BOLT PATTERN NUMBER: <input type="checkbox"/> Std. <input type="checkbox"/> P1 <input type="checkbox"/> P2 <input type="checkbox"/> P3 <input type="checkbox"/> Other					
FRAME BRACKET STYLE:	<input type="checkbox"/> Wingless Hanger <input type="checkbox"/> Hanger with Wing					
FRAME BRACKET PROFILE:	<input type="checkbox"/> Std. <input type="checkbox"/> Tapered ³ (Optional for AANT / AANL only)					
FRONT SHOCK ABSORBER:	<input type="checkbox"/> Std. <input type="checkbox"/> Extended Service / High Damping <input type="checkbox"/> ZMD ⁴ (Optional for AANT 23K and AAT 23K / 25K) <input type="checkbox"/> No ⁵					
FRONT SHOCK STRAPS:	<input type="checkbox"/> Yes <input type="checkbox"/> No					
REAR SHOCK ABSORBER⁶:	<input type="checkbox"/> Extended Service / High Damping <input type="checkbox"/> No					
REBOUND LIMITER⁷:	<input type="checkbox"/> Yes <input type="checkbox"/> No					
SURELOK® READY:	<input type="checkbox"/> Yes (AANT 23K models only) <input type="checkbox"/> No					
TRAVEL:	<input type="checkbox"/> Std. <input type="checkbox"/> Ltd Jounce / Up-Travel <input type="checkbox"/> Ltd Rebound / Down-Travel ⁸ (Recommended for RCA)					
AIR SPRING:	<input type="checkbox"/> Std. <input type="checkbox"/> Low Pressure (Optional for 23K models only) <input type="checkbox"/> ZMD ⁴ (Optional for AANT 23K and AAT 23K / 25K)					
HIGH CONTROL SUSPENSION⁹: (Single axle / dolly application)	<input type="checkbox"/> Yes <input type="checkbox"/> No					
CHANNEL / GUSSET:	<input type="checkbox"/> Std. <input type="checkbox"/> Bolt-on C-Channel ¹⁰ <input type="checkbox"/> Customer Supplied <input type="checkbox"/> Included <input type="checkbox"/> Other:					

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

2. Only available on select models and configurations.

3. Tapered frame bracket is not available for ride heights 9-inches and lower.

4. The ZMD technology is an available option on AANT 23K, AAT 23K and AAT 25K models with standard travel. INTRAAX AANT 23K and AAT 23K models equipped with ZMD are available with 14-inch through 17-inch ride heights. INTRAAX AAT 25K models equipped with ZMD are available with 14-inch through 19-inch ride heights. ZMD technology is also available on AAT 23K / 25K RCA models with limited rebound travel and 14-inch or 16-inch ride height.

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

6. Rear shock absorbers are only available on AAL, AANL, AAEDT and AAEDL suspensions. Rear shocks are required for these models when equipped with air disc brakes.

7. Not available for top-mount models using air disc brakes (ADB).

8. Recommended for use with Raised-Center Axles (RCA). Available only on AAT models with 14, 16, or 18 inch ride heights, and AANT models with 14 or 16 inch ride heights. Not available on AAL models.

9. Refer to L667 High Control Flyer for more information.

10. Only available with bolt-on frame brackets. Struts included on certain models.

SUSPENSION (CONTINUED)

BUSHING TUBE SPACER¹¹:	<input type="checkbox"/> Standard	<input type="checkbox"/> Optional Cap Style (Cap style is required on tanker and logging trailers using AAT & AAL suspensions.)		
FRAME BRACKET TO BEAM:	<input type="checkbox"/> Assembled	<input type="checkbox"/> Non-Assembled		
SUSPENSION PAINT OPTIONS: Surface Coating — Axle/Beam Weldment: Surface Coverage — Frame Brackets:	<input type="checkbox"/> None	<input type="checkbox"/> Standard Black Primer	<input type="checkbox"/> Finished Soft Coat - Black	<input type="checkbox"/> Finished Soft Coat - Gray
	<input type="checkbox"/> Standard (same as surface coating)	<input type="checkbox"/> None / Do Not Paint Frame Brackets		<input type="checkbox"/> Galvanized ¹²

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

STYLE:	<input type="checkbox"/> Straight	<input type="checkbox"/> Cambered (Optional AANL / AAL / AANT / AAT)	<input type="checkbox"/> Raised Center ⁸ (AAT / AAL 23K and 25K Only; Ltd. Rebound travel recommended)		
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			
TIRE INFLATION SYSTEM¹³:	<input type="checkbox"/> TIREMAAX [®] CP (Complete Worksheet on p. 9)		<input type="checkbox"/> TIREMAAX PRO (Complete Worksheet on p. 9)		<input type="checkbox"/> 3-Hole Prep <input type="checkbox"/> No



Are you ordering air disc brakes? No (Continue on page 2) Yes (Go to page 4)

DRUM BRAKES * *Slack and brake chamber combinations will affect brake ratings. Refer to L809 for Brake Certifications.

BRAKE LINING:	<input type="checkbox"/> H20			<input type="checkbox"/> H23		<input type="checkbox"/> H26	
BRAKE SIZE:	<input type="checkbox"/> 15" x 8-5/8" ¹⁴	<input type="checkbox"/> 16.5" x 7"	<input type="checkbox"/> 16.5" x 8-5/8"	<input type="checkbox"/> 16.5" x 7"	<input type="checkbox"/> 16.5" x 8-5/8"	<input type="checkbox"/> 16.5" x 7"	<input type="checkbox"/> 16.5" x 8-5/8"
BRAKE MODEL:	HXS [®]	<input type="checkbox"/> Standard <input type="checkbox"/> HXS	HXS	<input type="checkbox"/> Standard <input type="checkbox"/> HXS	HXS	HXS	HXS
BRAKE COATING:	Standard	<input type="checkbox"/> Standard	<input type="checkbox"/> AAXTREME COAT [®] (HXS Only)	<input type="checkbox"/> Standard	<input type="checkbox"/> AAXTREME COAT (HXS Only)	Standard	
BRAKE CHAMBERS¹⁶:	<input type="checkbox"/> None	<input type="checkbox"/> 2.5" Standard Stroke				<input type="checkbox"/> 3.0" Long Stroke	
SIZE / WARRANTY:		<input type="checkbox"/> Type 30/30 Standard Warranty	<input type="checkbox"/> Type 30/30 Extended Warranty	<input type="checkbox"/> Type 24/30 Standard Warranty	<input type="checkbox"/> Type 24/24 Standard Warranty	<input type="checkbox"/> Type 30/30 Standard	<input type="checkbox"/> Type 30/30 Extended Warranty
SLACK ADJUSTER:	<input type="checkbox"/> None	<input type="checkbox"/> Standard 5.5"	<input type="checkbox"/> Standard 6.0"				
S-CAM:	<input type="checkbox"/> 28 Spline		<input type="checkbox"/> 10 Spline				
CAM TUBE SYSTEM:	<input type="checkbox"/> Standard		<input type="checkbox"/> Severe Service ¹⁵				
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"	<input type="checkbox"/> Bendix 14.84"	<input type="checkbox"/> Bendix 78.74"	<input type="checkbox"/> WABCO 36"	
SPINDLE NUT:	<input type="checkbox"/> No		<input type="checkbox"/> Standard 3-Piece Nut				

11. The cap style bushing tube spacer is standard on the following models: AAEDT / AAEDL 30K, AAT / AAL 30K. It is an option on: AAT / AAL 23K, AAT / AAL 25K.

12. Galvanized coating option is only available with bolt-on frame brackets.

13. Refer to Hendrickson publication L583 Comprehensive Warranty Statement for complete details related to competitor tire inflation systems.

14. Only available for AAL 23K and AANLS 20K suspensions.

15. Designed for road input that cause excessive vibration such as rugged, secondary, off-road conditions.

16. Unless otherwise indicated, standard brand will be provided.

DRUM BRAKE RTR® READY-TO-ROLL® PACKAGES *

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

	<input type="checkbox"/> Standard Service (1-Year Limited Warranty ¹⁷)	<input type="checkbox"/> HXL3® Hendrickson Extended-Life System™ (3-Year Limited Warranty ¹⁷)	<input type="checkbox"/> HXL5® Hendrickson Extended-Life System™ (5-Year Limited Warranty ¹⁷)	<input type="checkbox"/> HXL7® Hendrickson Extended-Life System™ (7-Year Limited Warranty ¹⁷)	<input type="checkbox"/> ConMet PreSet® (5-Year Limited Warranty ¹⁷)
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	<input type="checkbox"/> HN <input type="checkbox"/> HP
HUB MATERIAL:	<input type="checkbox"/> Ductile Iron <input type="checkbox"/> Dura-Light Hub® <input type="checkbox"/> Aluminum	<input type="checkbox"/> Ductile Iron <input type="checkbox"/> Dura-Light Hub <input type="checkbox"/> Aluminum	<input type="checkbox"/> Ductile Iron <input type="checkbox"/> Dura-Light Hub <input type="checkbox"/> Aluminum	<input type="checkbox"/> Ductile Iron <input type="checkbox"/> Dura-Light Hub <input type="checkbox"/> Aluminum	Aluminum
HUB STYLE:	Hub Piloted	Hub Piloted	Hub Piloted	Hub Piloted	Hub Piloted
NUMBER OF STUDS:	10	10	10	10	10
BOLT CIRCLE DIAMETER:	11.25"	11.25"	11.25"	11.25"	11.25"
WHEEL MATERIAL:	<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	<input type="checkbox"/> Aluminum <input type="checkbox"/> Steel <input type="checkbox"/> Steel / Aluminum
DUAL / SUPER SINGLE: (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)	<input type="checkbox"/> Dual <input type="checkbox"/> Super Single (SS) <input type="checkbox"/> Super Single (LS)
LUBE TYPE:	<input type="checkbox"/> SAE 80/90 <input type="checkbox"/> Semi-Fluid Grease <input type="checkbox"/> Synthetic 75W/90	<input type="checkbox"/> SAE 80/90 <input type="checkbox"/> Synthetic 75W/90	Semi-Fluid Grease	Semi-Fluid Grease	<input type="checkbox"/> Semi-Fluid Grease <input type="checkbox"/> Synthetic 75W/90
SEAL:	<input type="checkbox"/> Stemco Voyager <input type="checkbox"/> Stemco Discover <input type="checkbox"/> Hendrickson	Standard	Standard	Standard	No (ConMet Included)
BEARING:	Standard	Standard	Standard	Standard	No (ConMet Included)
SPINDLE NUT:	Standard 3-Piece Nut	PRECISION240® Nut System PRECISION320® Nut System or	PRECISION240 Nut System or PRECISION320 Nut System	PRECISION320 Nut System	Standard 3-Piece Nut
HUBCAP TYPE:	Standard Bolt-On	Standard Aluminum Bolt-On	Standard Aluminum Bolt-On	Corrosion Resistant Bolt-On	Standard Bolt-On
ABSTONE RING:	Yes	Yes	Yes	Yes	Yes

DRUM OPTIONS

DRUM MATERIAL:	<input type="checkbox"/> Cast	<input type="checkbox"/> Fused
DRUM DUTY:	<input type="checkbox"/> Standard	<input type="checkbox"/> Heavy Duty
DRUM BALANCING:	Balanced	
WHEEL FASTENERS:	<input type="checkbox"/> Yes ¹⁸	<input type="checkbox"/> No

17. Refer to Hendrickson publication L583 Comprehensive Warranty Statement for complete details.

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

HENDRICKSON SUSPENSION AND AXLES AVAILABLE WITH AIR DISC BRAKES (ADB)

SUSPENSION / AXLE MODELS	AVAILABILITY
AANT 23K	Requires unique HCV
AANLS 20K / AANL 23K	Requires rear mounted shocks and unique HCV
AAT 23K, 25K, 30K, RCA	ADB available without SURELOK – Requires unique HCV
AAL 23K, 25K, 30K	Requires rear mounted shocks
AAEDL/AAEDT 30K ¹⁹	Requires rear mounted shocks

⚠ WARNING: IMPROPER WHEELS OR VALVE STEMS can interfere with air disc brakes and cause rapid tire deflation, component damage, loss of vehicle control, property damage or severe personal injury. Use only wheels and valve stems that provide proper running clearance with air disc brakes equipped on the suspension. Contact vehicle manufacturer to determine replacement wheels and valve stems approved for the application.

DISC BRAKES *	*Please refer to L1225 at www.hendrickson-intl.com for more important information to consider when spec'ing air disc brakes.			
HENDRICKSON MAXX22T™ ADB (Hendrickson Standard)				
CONVERTER DOLLY APPLICATION:	<input type="checkbox"/> No <input type="checkbox"/> Yes (Service Only Chamber Available)			
DISC BRAKE APPROVAL:	Approval: 20,000 lb or less GAWR or up to 23,000 lb GAWR with appropriate tire SLR (See L809 for all Brake Certifications)			
PAD/LINING:	WABCO 233			
BRAKE CHAMBER:	<input type="checkbox"/> Type 18/24 Std <input type="checkbox"/> Type 18 (Dolly)			
ABS TONE RING / DUST SHIELD:	Required			
ABS SENSORS (Required):	<input type="checkbox"/> Bendix 78.7" <input type="checkbox"/> Haldex 19.7" <input type="checkbox"/> Haldex 78.7" <input type="checkbox"/> WABCO 39.4"			
ROTOR BRAND/MATERIAL:	415mm Cast Iron	415mm Cast Iron	415mm Cast Iron	415mm Cast Iron
RTR® READY-TO-ROLL® WHEEL-END PACKAGES:	<input type="checkbox"/> Standard Service (1-year Limited Warranty ¹⁷)	<input type="checkbox"/> HXL3® Hendrickson Extended-Life System™ (3-year Limited Warranty ¹⁷)	<input type="checkbox"/> HXL5® Hendrickson Extended-Life System™ (5-year Limited Warranty ¹⁷)	<input type="checkbox"/> HXL7® Hendrickson Extended-Life System™ (7-year Limited Warranty ¹⁷)
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"/> Dura-Light Hub® <input type="checkbox"/> Ductile Iron	<input type="checkbox"/> Dura-Light Hub <input type="checkbox"/> Ductile Iron	<input type="checkbox"/> Dura-Light Hub <input type="checkbox"/> Ductile Iron	<input type="checkbox"/> Dura-Light Hub <input type="checkbox"/> Ductile Iron
HUB STYLE:	Hub-Piloted x 10-stud x 11.25" BC for 22.5" and 24.5" tires			
WHEEL MATERIAL:	<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 SINGLE: (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)
LUBE TYPE:	<input type="checkbox"/> SAE 80/90 <input type="checkbox"/> Semi-Fluid Grease <input type="checkbox"/> Synthetic 75W/90	<input type="checkbox"/> SAE 80/90 <input type="checkbox"/> Synthetic 75W/90	Semi-Fluid Grease	Semi-Fluid Grease
SEAL:	Standard	Standard	Standard	Standard
BEARINGS:	Standard	Standard	Standard	Standard
SPINDLE NUT:	Standard 3-Piece Nut	PRECISION240® Nut System PRECISION320® Nut System or	PRECISION240 Nut System PRECISION320 Nut System or	PRECISION320 Nut System
HUBCAP TYPE:	Standard Bolt-On	Standard Aluminum Bolt-On	Standard Aluminum Bolt-On	Corrosion Resistant Bolt-On
WHEEL FASTENERS:	<input type="checkbox"/> Yes ¹⁸ <input type="checkbox"/> No			

19. Not available with Hendrickson MAXX22T.

DISC BRAKES *		WABCO PAN22-1 ADB				
CONVERTER DOLLY APPLICATION:	<input type="checkbox"/> No <input type="checkbox"/> Yes (Service Only Chamber Available)					
DISC BRAKE APPROVAL:	Approval: Up to 23,000 lb GAWR with appropriate tire SLR (See L809 for all Brake Certifications)					
PAD/LINING:	WABCO 230					
BRAKE CHAMBER:	<input type="checkbox"/> Type 20/24 Std <input type="checkbox"/> Type 20 (Dolly)					
ABS TONE RING / DUST SHIELD:	Required					
ABS SENSORS (Required):	<input type="checkbox"/> Bendix 78.7" <input type="checkbox"/> Haldex 19.7" <input type="checkbox"/> Haldex 78.7" <input type="checkbox"/> WABCO 39.4"					
ROTOR BRAND/MATERIAL:	430mm Cast Iron	430mm Cast Iron	430mm Cast Iron	430mm Cast Iron	430mm ConMet Cast Iron	
RTR® READY-TO-ROLL® WHEEL-END PACKAGES:	<input type="checkbox"/> Standard Service (1-year Limited Warranty ¹⁷)	<input type="checkbox"/> HXL3® Hendrickson Extended-Life System™ (3-year Limited Warranty ¹⁷)	<input type="checkbox"/> HXL5® Hendrickson Extended-Life System™ (5-year Limited Warranty ¹⁷)	<input type="checkbox"/> HXL7® Hendrickson Extended-Life System™ (7-year Limited Warranty ¹⁷)	<input type="checkbox"/> ConMet PreSet (5-year Limited Warranty ¹⁷)	
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	<input type="checkbox"/> HN <input type="checkbox"/> HP	
HUB MATERIAL:	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron	ConMet Aluminum	
HUB STYLE:	Hub-Piloted x 10-stud x 11.25" BC for 22.5" and 24.5" tires					
WHEEL MATERIAL:	<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	<input type="checkbox"/> Aluminum <input type="checkbox"/> Steel <input type="checkbox"/> Steel / Aluminum	
DUAL / SUPER SINGLE: (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)	<input type="checkbox"/> Dual <input type="checkbox"/> Super Single (SS) <input type="checkbox"/> Super Single (LS)	
LUBE TYPE:	<input type="checkbox"/> SAE 80/90 <input type="checkbox"/> Semi-Fluid Grease <input type="checkbox"/> Synthetic 75W/90	<input type="checkbox"/> SAE 80/90 <input type="checkbox"/> Synthetic 75W/90	Semi-Fluid Grease	Semi-Fluid Grease	<input type="checkbox"/> Semi-Fluid Grease <input type="checkbox"/> Synthetic 75W/90	
SEAL:	Standard	Standard	Standard	Standard	No (ConMet Included)	
BEARINGS:	Standard	Standard	Standard	Standard	No (ConMet Included)	
SPINDLE NUT:	Standard 3-Piece Nut	PRECISION240® Nut System PRECISION320® Nut System or	PRECISION240 Nut System PRECISION320 Nut System or	PRECISION320 Nut System	Standard 3-Piece Nut	
HUBCAP TYPE:	Standard Bolt-On	Standard Aluminum Bolt-On	Standard Aluminum Bolt-On	Corrosion Resistant Bolt-On	Standard Bolt-On	
WHEEL FASTENERS:	<input type="checkbox"/> Yes ¹⁸ <input type="checkbox"/> No					

DISC BRAKES *		*Please refer to L1225 at www.hendrickson-intl.com for more important information to consider when spec'ing air disc brakes.					
		KNORR / BENDIX ADB22X-LT					
CONVERTER DOLLY APPLICATION:	<input type="checkbox"/> No <input type="checkbox"/> Yes (STOP. ADB22X-LT is not approved for dollies. Must spec MAXX22T™ or PAN22-1)						
DISC BRAKE APPROVAL:	Approval: Up to 23,000 lb GAWR with appropriate tire SLR (See L809 for all Brake Certifications)						
PAD/LINING:	BX276						
BRAKE CHAMBER:	Knorr 18/24 Std						
ABS TONE RING / DUST SHIELD:	Required						
ABS SENSORS (Required):	<input type="checkbox"/> Bendix 78.7" <input type="checkbox"/> Haldex 19.7" <input type="checkbox"/> Haldex 78.7" <input type="checkbox"/> WABCO 39.4"						
ROTOR BRAND/MATERIAL:	430mm Knorr Cast Iron	430mm Knorr Cast Iron	430mm Knorr Cast Iron	430mm Knorr Cast Iron	430mm Knorr Cast Iron	430mm ConMet Cast Iron	
RTR® READY-TO-ROLL® WHEEL-END PACKAGES:	<input type="checkbox"/> Standard Service (1-year Limited Warranty ¹⁷)	<input type="checkbox"/> HXL3® Hendrickson Extended-Life System™ (3-year Limited Warranty ¹⁷)	<input type="checkbox"/> HXL5® Hendrickson Extended-Life System™ (5-year Limited Warranty ¹⁷)	<input type="checkbox"/> HXL7® Hendrickson Extended-Life System™ (7-year Limited Warranty ¹⁷)	<input type="checkbox"/> ConMet PreSet (5-year Limited Warranty ¹⁷)		
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	<input type="checkbox"/> HN <input type="checkbox"/> HP		
HUB MATERIAL:	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron	<input type="checkbox"/> ConMet AL Splined	<input type="checkbox"/> ConMet Ductile Iron (HP Only) <input type="checkbox"/> ConMet Aluminum	
HUB STYLE:	Hub-Piloted x 10-stud x 11.25" BC for 22.5" and 24.5" tires						
WHEEL MATERIAL:	<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	<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 SINGLE: (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)	<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)	
LUBE TYPE:	<input type="checkbox"/> SAE 80/90 <input type="checkbox"/> Semi-Fluid Grease <input type="checkbox"/> Synthetic 75W/90	<input type="checkbox"/> SAE 80/90 <input type="checkbox"/> Synthetic 75W/90	Semi-Fluid Grease	Semi-Fluid Grease	<input type="checkbox"/> Semi-Fluid Grease <input type="checkbox"/> Synthetic 75W/90		
SEAL:	Standard	Standard	Standard	Standard	No (ConMet Included)		
BEARINGS:	Standard	Standard	Standard	Standard	No (ConMet Included)		
SPINDLE NUT:	Standard 3-Piece Nut	PRECISION240® Nut System PRECISION320® Nut System or	PRECISION240 Nut System PRECISION320 Nut System or	PRECISION320 Nut System	Standard 3-Piece Nut		
HUBCAP TYPE:	Standard Bolt-On	Standard Aluminum Bolt-On	Standard Aluminum Bolt-On	Corrosion Resistant Bolt-On	Standard Bolt-On		
WHEEL FASTENERS:	<input type="checkbox"/> Yes ¹⁸ <input type="checkbox"/> No						

DISC BRAKES *		*Please refer to L1225 at www.hendrickson-intl.com for more important information to consider when spec'ing air disc brakes.		
WABCO PAN19-1 ADB (for use with 19.5" wheels)				
CONVERTER DOLLY APPLICATION:	<input type="checkbox"/> No <input type="checkbox"/> Yes (Service Only Chamber Available)			
DISC BRAKE APPROVAL:	Approval: Up to 20,000 lb. GAWR with appropriate tire SLR (See L809 for all Brake Certifications)			
PAD/LINING:	WABCO 230			
BRAKE CHAMBER:	<input type="checkbox"/> Type 16/24 Std <input type="checkbox"/> Type 16 (Dolly)			
ABSTONE RING / DUST SHIELD:	Required			
ABS SENSORS (Required):	<input type="checkbox"/> Bendix 78.7" <input type="checkbox"/> Haldex 19.7" <input type="checkbox"/> Haldex 78.7" <input type="checkbox"/> WABCO 39.4"			
ROTOR BRAND/MATERIAL:	375mm Cast Iron	375mm Cast Iron	375mm Cast Iron	375mm Cast Iron
RTR® READY-TO-ROLL® WHEEL-END PACKAGES:	<input type="checkbox"/> Standard Service (1-year Limited Warranty ¹⁷)	<input type="checkbox"/> HXL3® Hendrickson Extended-Life System™ (3-year Limited Warranty ¹⁷)	<input type="checkbox"/> HXL5® Hendrickson Extended-Life System™ (5-year Limited Warranty ¹⁷)	
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	
HUB MATERIAL:	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron
HUB STYLE:	Hub-Piloted x 10-stud x 11.25" BC for 19.5" tires			
WHEEL MATERIAL:	<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 SINGLE: (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)	
LUBE TYPE:	<input type="checkbox"/> SAE 80/90 <input type="checkbox"/> Semi-Fluid Grease <input type="checkbox"/> Synthetic 75W/90	<input type="checkbox"/> SAE 80/90 <input type="checkbox"/> Synthetic 75W/90	Semi-Fluid Grease	
SEAL:	Standard	Standard	Standard	Standard
BEARINGS:	Standard	Standard	Standard	Standard
SPINDLE NUT:	Standard 3-Piece Nut	PRECISION240® Nut System PRECISION320® Nut System or	PRECISION240 Nut System or PRECISION320 Nut System	
HUBCAP TYPE:	Standard Bolt-On	Standard Aluminum Bolt-On	Standard Aluminum Bolt-On	
WHEEL FASTENERS:	<input type="checkbox"/> Yes ¹⁸ <input type="checkbox"/> No			

*ConMet PreSet not available on Haldex DBLD (25K)

*Please refer to L1225 at www.hendrickson-intl.com for more important information to consider when spec'ing air disc brakes.

DISC BRAKES *		■ HALDEX DBT22LT (23K)			■ HALDEX DBLD (25K)	
CONVERTER DOLLY APPLICATION:	<input type="checkbox"/> No <input type="checkbox"/> Yes (Service Only Chamber Available)			<input type="checkbox"/> No <input type="checkbox"/> Yes (Service Only Chamber Available)		
DISC BRAKE APPROVAL:	Approval: Up to 23,000 lb GAWR with appropriate tire SLR (See L809 for all Brake Certifications)			Approval: Up to 25,000 lb. GAWR with appropriate tire SLR (See L809 for all Brake Certifications.)		
PAD/LINING:	JURID 442			JURID 539-20		
BRAKE CHAMBER:	HALDEX 18/24 Std			HALDEX 20/24 Std		
ABS TONE RING / DUST SHIELD:	Required					
ABS SENSORS (Required):	<input type="checkbox"/> Bendix 78.7" <input type="checkbox"/> Haldex 19.7" <input type="checkbox"/> Haldex 78.7" <input type="checkbox"/> WABCO 39.4"					
ROTOR BRAND/MATERIAL:	430mm Cast Iron	430mm Cast Iron	430mm Cast Iron	430mm Cast Iron	430mm Cast Iron	430mm ConMet Cast Iron
RTR® READY-TO-ROLL® WHEEL-END PACKAGES:	<input type="checkbox"/> Standard Service (1-year Limited Warranty ¹⁷)	<input type="checkbox"/> HXL3® Hendrickson Extended-Life System™ (3-year Limited Warranty ¹⁷)	<input type="checkbox"/> HXL5® Hendrickson Extended-Life System™ (5-year Limited Warranty ¹⁷)	<input type="checkbox"/> HXL7® Hendrickson Extended-Life System™ (7-year Limited Warranty ¹⁷)	<input type="checkbox"/> ConMet PreSet (DBT22LT Models Only) (5-year Limited Warranty ¹⁷)	
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	<input type="checkbox"/> HN <input type="checkbox"/> HP	
HUB MATERIAL:	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron	ConMet Aluminum	
HUB STYLE:	Hub-Piloted x 10-stud x 11.25" BC for 22.5" and 24.5" tires					
WHEEL MATERIAL:	<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	<input type="checkbox"/> Aluminum <input type="checkbox"/> Steel <input type="checkbox"/> Steel / Aluminum	
DUAL / SUPER SINGLE: (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)	<input type="checkbox"/> Dual <input type="checkbox"/> Super Single (SS) <input type="checkbox"/> Super Single (LS)	
LUBE TYPE:	<input type="checkbox"/> SAE 80/90 <input type="checkbox"/> Semi-Fluid Grease <input type="checkbox"/> Synthetic 75W/90	<input type="checkbox"/> SAE 80/90 <input type="checkbox"/> Synthetic 75W/90	Semi-Fluid Grease	Semi-Fluid Grease	<input type="checkbox"/> Semi-Fluid Grease <input type="checkbox"/> Synthetic 75W/90	
SEAL:	Standard	Standard	Standard	Standard	No (ConMet Included)	
BEARINGS:	Standard	Standard	Standard	Standard	No (ConMet Included)	
SPINDLE NUT:	Standard 3-Piece Nut	PRECISION240® Nut System or PRECISION320® Nut System	PRECISION240 Nut System or PRECISION320 Nut System	PRECISION320 Nut System	Standard 3-Piece Nut	
HUBCAP TYPE:	Standard Bolt-On	Standard Aluminum Bolt-On	Standard Aluminum Bolt-On	Corrosion Resistant Bolt-On	Standard Bolt-On	
WHEEL FASTENERS:	<input type="checkbox"/> Yes ¹⁸ <input type="checkbox"/> No					

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		
UBL™ UNDER BEAM LIFT™²⁰:	<input type="checkbox"/> Yes	<input type="checkbox"/> No		

TIREMAAX® KIT WORKSHEET^{21,22}

CONTROLLER TYPE:	<input type="checkbox"/> CP	<input type="checkbox"/> PRO
ELECTRICAL CONNECTION:	<input type="checkbox"/> Delphi Weather Pack (Standard)	<input type="checkbox"/> Blade Terminals ²³
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"/> Hendrickson Bolt-On	<input type="checkbox"/> Hendrickson Extended Bolt-On ²⁴
LUBE TYPE:	<input type="checkbox"/> Semi-Fluid Grease	<input type="checkbox"/> Oil
WHEEL STYLE / MATERIAL:	<input type="checkbox"/> Dual / Aluminum <input type="checkbox"/> Dual / Steel or Combo	<input type="checkbox"/> Super Single / Aluminum (straight hose)
	<input type="checkbox"/> Super Single / Steel (outboard valve stem; 180-degree hose)	<input type="checkbox"/> Super Single / Steel (inboard valve stem; straight hose)
TIRE SIZE:	<input type="checkbox"/> 17.5" <input type="checkbox"/> 19.5" <input type="checkbox"/> 22.5" <input type="checkbox"/> 24.5"	
COLD TIRE PRESSURE SETTING (psi)²⁵:	<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"/> 100 <input type="checkbox"/> 105 <input type="checkbox"/> 110 <input type="checkbox"/> 115 <input type="checkbox"/> 120	
TIRE HOSE:	<input type="checkbox"/> Standard	<input type="checkbox"/> Integral Check Port (22.5" tire size only)
TRAILER-MOUNTED INDICATOR LIGHT KIT:	<input type="checkbox"/> LED – 12V with 65-foot Cable (Standard)	<input type="checkbox"/> LED – 12V with 35-foot Cable <input type="checkbox"/> LED – 24V (Export ²⁶)
	<input type="checkbox"/> Incandescent – 12V	<input type="checkbox"/> No ²³
WIRING HARNESS:	<input type="checkbox"/> Premium, 15-Foot, ABS-ready	<input type="checkbox"/> Premium, 3-Foot, ABS-ready
	<input type="checkbox"/> Standard, 18-inch, Wiring Adapter Plug	<input type="checkbox"/> No ²³
AIR PLUMBING KIT:	<input type="checkbox"/> Manifold ²⁷	<input type="checkbox"/> No
CONTROLLER TANK VALVE²⁸: (Pressure Check)	<input type="checkbox"/> Yes (CP Models Only)	<input type="checkbox"/> No

20. 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.
21. Hendrickson does not provide warranty coverage for the installation, performance or components of a competitor brand tire inflation system installed on a Hendrickson suspension or trailer axle. Any consequential damages to the Hendrickson suspension or trailer axle 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.
22. When installing TIREMAAX, please contact Hendrickson to verify correct wheel-end component integration.
23. Controllers featuring blade terminals, require the light kit and wiring harness options to be "no".
24. Required for axles with TIREMAAX PRO equipped with cross-drilled spindles and using the castellated spindle nut. Please verify spindle nut requirements.
25. Refer to tire manufacturer's recommended tire pressure. TIREMAAX PRO is restricted to cold tire pressure setting of 85-120 psi.
26. Please note, 12V is used in some export countries. If this is a new venture into a foreign country, please validate voltage requirements with Controls Engineering.
27. Not available for single-axle systems.
28. Not available with TIREMAAX PRO.

*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.



www.hendrickson-intl.com

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