

HENDRICKSON USE ONLY

H[®] ORDERING GUIDE

HENDRICKSON TRAILER AXLES — HN / HP MODELS

LIT NO: L964

DATE: March 2012

REVISION: I

FORM INSTRUCTIONS:

For complete price and model number information on HN or HP Hendrickson Trailer Axles, fax this form to 800.696.4416 in the U.S. or 905.789.1033 in Canada. For additional assistance or to place an order for an axle that is not an HN or HP, 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:
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AXLES

APPLICATION:	<input type="checkbox"/> Air Suspension	<input type="checkbox"/> Mechanical Spring
SPINDLE:	<input type="checkbox"/> HN	<input type="checkbox"/> HP
AXLE STYLE:	<input type="checkbox"/> Straight (Standard) <input type="checkbox"/> Bent Tube, See Lit # H722, or Contact Hendrickson Auxiliary division at 800.660.2829	
AXLE TRACK¹:	<input type="checkbox"/> 71.5" <input type="checkbox"/> 77.5" <input type="checkbox"/> Other: _____	
AXLE WALL²:	<input type="checkbox"/> 1/2" Nom. <input type="checkbox"/> 5/8" Nom. <input type="checkbox"/> 5/8" Heavy Duty <input type="checkbox"/> 3/4" Nom.	
TIRE INFLATION SYSTEM³:	<input type="checkbox"/> No <input type="checkbox"/> TIREMAAX [®] CP Integrated (Complete Worksheet on p. 4) <input type="checkbox"/> TIREMAAX [®] PRO (Complete Worksheet on p. 4) <input type="checkbox"/> 3-Hole Prep <input type="checkbox"/> MTIS Prep	

BRAKES

BRAKE TYPE:	<input type="checkbox"/> Drum <input type="checkbox"/> Air Disc (Complete "L895 – Air Disc Brake Ordering Guide")		
SPIDER STYLE:	<input type="checkbox"/> None <input type="checkbox"/> Weld-on <input type="checkbox"/> Bolt-on <input type="checkbox"/> Other: _____		
BRAKE SIZE:	<input type="checkbox"/> 16.5" x 7" <input type="checkbox"/> 16.5" x 8.625" <input type="checkbox"/> 15" x 8.625" <input type="checkbox"/> 12.25" x 5.5" <input type="checkbox"/> 12.25" x 7.5"		
BRAKE MODEL:	Standard Axle Brake Options: <input type="checkbox"/> Bendix-Spicer Fast Change Standard <input type="checkbox"/> Bendix-Spicer Fast Change XLII	Hendrickson⁴ Machined Axle Brake Options: <input type="checkbox"/> Hendrickson ⁴ Standard Service <input type="checkbox"/> Hendrickson ⁴ HXS – Extended Service	<input type="checkbox"/> Pin Style (16.5" x 7" Only)
BRAKE SHOE / LINING:	<input type="checkbox"/> ES-460 (Abex 3030-197) <input type="checkbox"/> ES-600 (Abex 931-162) <input type="checkbox"/> BX691 <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-left: auto;">Linings available with Bendix-Spicer Brakes</div>	<input type="checkbox"/> Abex 3030-197 (Standard) <input type="checkbox"/> Abex 931-162 <input type="checkbox"/> Abex NAB 456 <input type="checkbox"/> Hendrickson ULTRAA20™ <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-left: auto;">Linings available with Hendrickson Brakes</div>	<input type="checkbox"/> Abex 931-162 <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-left: auto;">Linings available with Pin Style Brakes</div>
DUST SHIELDS:	<input type="checkbox"/> No <input type="checkbox"/> Yes (16.5" Brakes Only)		

- Axle tracks between 67.5 and 95.5 inches are available in 1/2-inch increments with some popular 1/4-inch increment lengths. Axle tracks above 96 inches are available in 1-inch increments. Axle tracks below 67.5 inches and other exceptions will be evaluated on a case-by-case basis.
- 1/2-inch nominal axle wall is only permitted on mechanical spring suspensions.
- Hendrickson does not provide warranty coverage for the installation, performance or components of a competitor-brand tire inflation system installed on a Hendrickson Trailer Axle. Any consequential damages to the Hendrickson 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, should be directed to the respective tire inflation system manufacturer for warranty coverage.
- The Hendrickson Machined Axle was designed by Hendrickson engineering.



ABS SENSOR TYPE: No Sensor Other Sensor (Not Listed Below): _____
Straight WABCO, 1.7m lead / 66.9" WABCO, 1.0m lead / 39.4" Bendix, 2.0m lead / 78.7" Haldex, 0.5m lead / 19.7"
90° WABCO, 0.4m lead / 15.7" WABCO, 1.1m lead / 36.0" Bendix, 0.4m lead / 15.7" Haldex, 0.5m lead / 19.7"

S - C A M S

NUMBER OF SPLINES: 28 10
CAM LENGTH⁵: 23.75" (Air) 20.625" (Spring) Other: _____ (6.5" min. - 35.5" max.)
CAM LOCATION: On CL (Standard) Below CL Above CL
CAM ANGLE: On CL ±10 degrees (Standard) 15 degrees 20 degrees 25 degrees
CAM POSITION: Rear (Standard) Forward
CAM ENCLOSURE⁶: No (Standard Cam Bracket) Yes (Cam Tube System)

BRAKE ADJUSTERS

BRAKE ADJUSTER TYPE: No Manual Automatic (Standard)
BRAKE ADJUSTER BRAND: No Standard Other: _____
BRAKE ADJUSTER LENGTH: No 5.5" 6" (Standard)
BRAKE ADJUSTER POSITION: Down (Standard) Up

BRAKE CHAMBERS

BRAKE CHAMBER BRAND: No Standard Other: _____
BRAKE CHAMBER BRACKET: Standard High Rise No (Air Disc Brake Only)
BRAKE CHAMBER TYPE/SIZE⁷: **Service / Spring:** 20/24 24/24 24/30 30/30 30/36 Other: _____
Service Only: Type 16 Type 20 Type 24 Type 30 Type 36 Other: _____
BRAKE CHAMBER WARRANTY: No Standard Extended Life
PORT ORIENTATION: Up (Standard) Down



ARE YOU ORDERING WHEEL-END OPTIONS?

No (complete the remainder of page 2 and go to page 4) Yes (go to page 3)

SPINDLE NUT: No 3-Piece Nut (Set Screw) 3-Piece Nut (Star Washer - HN only) Other: _____
HUB AND DRUM DATA⁸: Standard Hub-Piloted Hub and Outboard Mounted Drum
 Other (includes stud-piloted): Hub Brand: _____ Part Number: _____
 Drum Brand: _____ Part Number: _____

5. Cam lengths are limited.

6. Cam enclosure option available on limited number of cam lengths for 16-1/2 inch, 12-1/4 inch and 15-inch brakes.

7. "Service - only" brake chambers are used when parking brakes are not needed.

8. Knowing the hub and drum for the axles helps Hendrickson locate the brake on the axle. By selecting, "Standard Hub-piloted Hub and Outboard Mounted Drum," you are specifying that the hub and "outboard-mounted" drum will be a typical industry standard like shown in the table below. Otherwise, please specify the hub and drum brand and part number. If you are specifying stud-piloted, you must fill in the "Other" item in the "Hub and Drum Data" section above.

Typical industry-standard, hub-piloted hubs and outboard-mounted drums

Brake Sizes		16-1/2" x 7" 10-stud, 11-1/4" Bolt Circle	16-1/2" x 8-5/8" 10-stud, 11-1/4" Bolt Circle	15" x 8-5/8" 8-stud, 275mm Bolt Circle	15" x 8-5/8" 10-stud, 11-1/4" Bolt Circle	12-1/4" x 7-1/2" 8-stud, 275mm Bolt Circle
HN	Webb Hub	2023 Series	2023 Series	2028 Series	2023 Series	2027 Series
	Webb Drum	66864 Series	66854 Series	61989 Series	61988 Series	63680 Series
HP	Webb Hub	2343 Series	2343 Series	2328 Series*	2343 Series	2327 Series
	Webb Drum	66864 Series	66854 Series	61989 Series	61988 Series	63680 Series

*This hub is not available through The Configurator nor is it listed in the wheel end matrix.

	<input type="checkbox"/> 3-Spoke 15-inch Standard Service (1-Year Limited Warranty ^{10,11})	<input type="checkbox"/> Standard Service (1-Year Limited Warranty ¹⁰)	<input type="checkbox"/> Hendrickson Value System™ – HVS® (3-Year Limited Warranty ¹⁰)	<input type="checkbox"/> Hendrickson Long-Life System™ – HLS® (5-Year Limited Warranty ¹⁰)	<input type="checkbox"/> Hendrickson Extended Life System™ – HXL7® (7-Year Limited Warranty ¹⁰)
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	<input type="checkbox"/> HN <input type="checkbox"/> HP	HP
HUB MATERIAL:	Ductile Iron	<input type="checkbox"/> Dura-Light Hubs® <input type="checkbox"/> Aluminum <input type="checkbox"/> Ductile Iron	<input type="checkbox"/> Dura-Light Hubs <input type="checkbox"/> Aluminum <input type="checkbox"/> Ductile Iron	<input type="checkbox"/> Dura-Light Hubs <input type="checkbox"/> Aluminum <input type="checkbox"/> Ductile Iron	<input type="checkbox"/> Ductile Iron <input type="checkbox"/> Aluminum
ABS TONE RING:	Yes	Yes	Yes	Yes	Yes
NUMBER OF STUDS: B.C.=Bolt Circle Diameter	3 (15-inch Rim Size)	<input type="checkbox"/> 10 (11.25-inch B.C.) <input type="checkbox"/> 10 (335 mm B.C.- HN only) <input type="checkbox"/> 8 (275 mm B.C.)	<input type="checkbox"/> 10 (11.25-inch B.C.) <input type="checkbox"/> 8 (275 mm B.C.)	<input type="checkbox"/> 10 (11.25-inch B.C.) <input type="checkbox"/> 8 (275 mm B.C.)	10 (11.25-inch B.C.)
SPOKE SPACER:	<input type="checkbox"/> 4.00 inches <input type="checkbox"/> 3.38 inches <input type="checkbox"/> No	N/A	N/A	N/A	N/A
WHEEL MATERIAL:	<input type="checkbox"/> Steel <input type="checkbox"/> Aluminum <input type="checkbox"/> Steel / Aluminum	<input type="checkbox"/> Steel <input type="checkbox"/> Aluminum <input type="checkbox"/> Steel / Aluminum	<input type="checkbox"/> Steel <input type="checkbox"/> Aluminum <input type="checkbox"/> Steel / Aluminum	<input type="checkbox"/> Steel <input type="checkbox"/> Aluminum <input type="checkbox"/> Steel / Aluminum	<input type="checkbox"/> Steel <input type="checkbox"/> Aluminum <input type="checkbox"/> Steel / Aluminum
DUAL / SUPER SINGLE¹²: (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)
DRUM MATERIAL¹²:	<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	<input type="checkbox"/> Cast <input type="checkbox"/> Fused
DRUM MOUNT:	N/A	<input type="checkbox"/> Inboard <input type="checkbox"/> Outboard	Outboard	Outboard	Outboard
LUBE TYPE:	<input type="checkbox"/> SAE 80/90 (Standard) <input type="checkbox"/> #2 Grease <input type="checkbox"/> Semi-Fluid Grease <input type="checkbox"/> Other: _____	<input type="checkbox"/> SAE 80/90 (Standard) <input type="checkbox"/> #2 Grease <input type="checkbox"/> Semi-Fluid Grease <input type="checkbox"/> Other: _____	<input type="checkbox"/> SAE 80/90 (Standard) <input type="checkbox"/> Synthetic 75W/90	Semi-Fluid Grease	Semi-Fluid Grease
SEAL BRAND:	<input type="checkbox"/> Stemco Voyager (Standard) <input type="checkbox"/> Stemco Guardian <input type="checkbox"/> CR Scotseal Plus <input type="checkbox"/> Stemco Discover	<input type="checkbox"/> Stemco Voyager (Standard) <input type="checkbox"/> Stemco Guardian <input type="checkbox"/> CR Scotseal Plus <input type="checkbox"/> Stemco Discover	Standard	Standard	Standard
BEARING BRAND:	<input type="checkbox"/> Standard <input type="checkbox"/> Other	<input type="checkbox"/> Standard <input type="checkbox"/> Other	Standard	Standard	Standard
SPINDLE NUT:	<input type="checkbox"/> 3-Piece (Set Screw) <input type="checkbox"/> 3-Piece (Star Washer - HN only)	<input type="checkbox"/> 3-Piece (Set Screw) <input type="checkbox"/> 3-Piece (Star Washer - HN only)	Standard	Standard	Precision 320
HUBCAP TYPE:	Standard Bolt-on	Standard Bolt-on	Standard Bolt-on	Standard Bolt-on	Corrosion Resistant Bolt-on

9. Consult a customer service representative to ensure the compatibility of the wheel-end equipment with the other selected axle parameters. READY TO ROLL® (RTR®) wheel-end packages are standard with hub-piloted hubs.

10. Refer to Hendrickson publication "L583 – Comprehensive Warranty Statement" for complete details.

11. Spoke wheel availability is limited to Webb brand for use with 12.25-inch brakes.

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

DRUM OPTIONS

DRUM DUTY:	<input type="checkbox"/> Standard	<input type="checkbox"/> Heavy Duty
DRUM BALANCING:	<input type="checkbox"/> Balanced	
WHEEL FASTENERS¹³:	<input type="checkbox"/> Yes	<input type="checkbox"/> No

SPECIAL NOTES: _____

TIREMAAX® KIT WORKSHEET¹⁴ (Not Included in Hendrickson Trailer Axle Model Number — Sold Separately)

CONTROLLER TYPE:	<input type="checkbox"/> CP Integrated	<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"/> Hendrickson Bolt-On	<input type="checkbox"/> Hendrickson Extended Bolt-On ¹⁵									
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)¹⁶:	<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
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								
AIR PLUMBING KIT:	<input type="checkbox"/> Manifold ¹⁷	<input type="checkbox"/> None									
CONTROLLER TANK VALVE¹⁸: (Pressure Check)	<input type="checkbox"/> Yes	<input type="checkbox"/> No									

- 13. Two (2) wheel fasteners factory installed per wheel end with balance packaged in plastic bag, taped and stretch-wrapped to each wheel end.
- 14. When installing TIREMAAX®, please contact Hendrickson to verify correct wheel-end component integration.
- 15. Required with TIREMAAX CP Integrated or TIREMAAX PRO equipped with castellated spindle nut. For axles equipped with cross-drilled spindles. Please verify spindle nut requirements. (Reference T57001)
- 16. 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.
- 17. Not required for single-axle systems.
- 18. Not available with TIREMAAX PRO.



Hendrickson Canada
 250 Chrysler Drive, Unit #3
 Brampton, ON Canada L6S 6B6
 905.789.1030
 Fax 905.789.1033

Trailer Commercial Vehicle Systems 866.RIDEAIR (743.3247)
 2070 Industrial Place SE 330.489.0045
 Canton, OH 44707-2641 USA Fax 800.696.4416

Hendrickson Mexicana
 Av. Industria Automotriz #200
 Parque Industrial Silva Aeropuerto
 Apodaca, N.L., México C.P. 66600
 +52 (81) 8288.1300
 Fax +52 (81) 8288.1301