

**HENDRICKSON USE ONLY**

# **ORDERING GUIDE**

## HCA® HENDRICKSON CHASSIS AXLES™ – HN / HP MODELS

LIT NO: L1270

DATE: December 2020

REVISION: B

### FORM INSTRUCTIONS

For complete price and model number information on HN or HP HCA® Hendrickson Chassis Axles™, send this form to your sales representative. For additional assistance, please call toll-free 866.RIDEAIR (743.3247) in the U.S. or 800.668.5360 in Canada.

<b>COMPANY NAME:</b>		<b>CONTACT:</b>	
<b>EMAIL:</b>	<b>PHONE:</b>	<b>DATE:</b>	

<b>SAME AS:</b>	<b>EXCEPT:</b>
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### AXLES

<b>APPLICATION:</b>	<input type="checkbox"/> Air Suspension	<input type="checkbox"/> Mechanical Spring	
<b>AXLE STYLE:</b>	Straight		
<b>SPINDLE:</b>	<input type="checkbox"/> HN	<input type="checkbox"/> HP	
<b>AXLE TRACK:</b>	<input type="checkbox"/> 1,816mm	<input type="checkbox"/> 1,968mm	<input type="checkbox"/> Other (1,664mm - 2,229mm, 12mm increments):
<b>AXLE WALL<sup>1</sup>:</b>	<input type="checkbox"/> 12mm	<input type="checkbox"/> 15mm	<input type="checkbox"/> 16mm Heavy Duty <input type="checkbox"/> 19mm Nominal
<b>TIRE INFLATION SYSTEM<sup>2</sup>:</b>	<input type="checkbox"/> TIREMAAX® CP (Complete Worksheet on p. 3) <input type="checkbox"/> TIREMAAX PRO (Complete Worksheet on page 3) <input type="checkbox"/> 3-Hole Prep <input type="checkbox"/> No		

### DRUM BRAKES

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

	<input type="checkbox"/> H20	<input type="checkbox"/> H20		<input type="checkbox"/> H23		<input type="checkbox"/> H26
<b>BRAKE SIZE:</b>	<input type="checkbox"/> 310 x 200mm	<input type="checkbox"/> 380 x 200mm	<input type="checkbox"/> 420 x 180mm <input type="checkbox"/> 420 x 200mm	<input type="checkbox"/> 420 x 180mm	<input type="checkbox"/> 420 x 200mm	<input type="checkbox"/> 420 x 180mm <input type="checkbox"/> 420 x 200mm
<b>BRAKE MODEL:</b>	HXS®	HXS	<input type="checkbox"/> Standard <input type="checkbox"/> HXS	HXS	<input type="checkbox"/> Standard <input type="checkbox"/> HXS	HXS
<b>BRAKE COATING:</b>	Standard	Standard	<input type="checkbox"/> Standard <input type="checkbox"/> AAXTREME COAT® (HXS Only)	<input type="checkbox"/> Standard	<input type="checkbox"/> AAXTREME COAT (HXS Only)	Standard
<b>BRAKE CHAMBER SIZE:</b>	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No
Service / Spring:	<input type="checkbox"/> 24/24 <input type="checkbox"/> 24/30 <input type="checkbox"/> 30/30	<input type="checkbox"/> 30/30	<input type="checkbox"/> 24/24 <input type="checkbox"/> 30/30	<input type="checkbox"/> 24/24	<input type="checkbox"/> 30/30	<input type="checkbox"/> 24/24 <input type="checkbox"/> 30/30 <input type="checkbox"/> 36/36 <sup>3</sup>
Service Only <sup>4</sup> :	<input type="checkbox"/> Type 24 <input type="checkbox"/> Type 30	<input type="checkbox"/> Type 30	<input type="checkbox"/> Type 24 <input type="checkbox"/> Type 30	<input type="checkbox"/> Type 24	<input type="checkbox"/> Type 30	<input type="checkbox"/> Type 24 <input type="checkbox"/> Type 30

1. 12mm nominal axle wall is only permitted on mechanical spring suspensions.
2. Hendrickson does not provide warranty coverage for the installation, performance or components of a competitor-brand tire inflation system installed on a Hendrickson Chassis Axle. Any consequential damages to the Hendrickson Chassis 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.
3. Economic Commission for Europe (ECE) only.
4. "Service only" brake chambers are used when parking brakes are not needed.



**DRUM BRAKES** (Continued)

L1270 Rev B

<b>BRAKE CHAMBER:</b>	<input type="checkbox"/> No	<input type="checkbox"/> Standard 64mm Stroke	<input type="checkbox"/> Long 76mm Stroke	<input type="checkbox"/> Other:
<b>BRAKE CHAMBER WARRANTY:</b>	<input type="checkbox"/> No	<input type="checkbox"/> Standard	<input type="checkbox"/> Extended Life	
<b>BRAKE CHAMBER PORT SIZE:</b>	<input type="checkbox"/> NPT — 5/8 - 11 UNC & 5/8 - 18 UNF		<input type="checkbox"/> M16 x 1.5	
<b>BRAKE CHAMBER SUPPLIER:</b>	<input type="checkbox"/> No	<input type="checkbox"/> Standard	<input type="checkbox"/> Other:	
<b>BRAKE ADJUSTER PIN SIZE:</b>	<input type="checkbox"/> 12mm (1/2")	<input type="checkbox"/> 14mm		
<b>BRAKE CHAMBER BRACKET:</b>	<input type="checkbox"/> Standard	<input type="checkbox"/> High Rise (Not available with 330 x 200mm brakes)		
<b>BRAKE ADJUSTER TYPE:</b>	<input type="checkbox"/> No	<input type="checkbox"/> Auto	<input type="checkbox"/> Manual	
<b>BRAKE ADJUSTER BRAND:</b>	<input type="checkbox"/> No	<input type="checkbox"/> Standard	<input type="checkbox"/> Other:	
<b>BRAKE ADJUSTER LENGTH:</b>	<input type="checkbox"/> No	<input type="checkbox"/> Standard 140mm	<input type="checkbox"/> Standard 152mm (Required with 76mm Stroke Chamber)	<input type="checkbox"/> 5/6/7 - multiple
<b>S-CAM SPLINES:</b>	<input type="checkbox"/> 28 Spline	<input type="checkbox"/> 10 Spline		
<b>S-CAM LENGTH:</b>	<input type="checkbox"/> 604mm (Air Suspension)	<input type="checkbox"/> 524mm (Spring Suspension)	<input type="checkbox"/> 673mm	<input type="checkbox"/> 575mm <input type="checkbox"/> 448mm
<b>CAM ENCLOSURE<sup>5</sup>:</b>	<input type="checkbox"/> Standard Cam Bracket	<input type="checkbox"/> Cam Tube System™		
<b>S-CAM / BRAKE ADJUSTER POSITION:</b>	<input type="checkbox"/> Cams Rear — Brake Adjusters Down (Standard)		<input type="checkbox"/> Cams Forward — Brake Adjusters Up	
<b>DUST SHIELD:</b>	<input type="checkbox"/> No	<input type="checkbox"/> Yes		
<b>ABS SENSOR:</b>	<input type="checkbox"/> No	<input type="checkbox"/> Haldex .5m	<input type="checkbox"/> WABCO .4m	<input type="checkbox"/> Bendix .38m <input type="checkbox"/> WABCO 1m <input type="checkbox"/> Haldex 1.5m
<b>SPINDLE NUT:</b>	<input type="checkbox"/> No	<input type="checkbox"/> Standard 3-Piece Nut	<input type="checkbox"/> PRECISION320® - HP	<input type="checkbox"/> PRECISION240® - HN

**DRUM BRAKE RTR® READY-TO-ROLL® PACKAGES<sup>6</sup>**
**HLS® Hendrickson Long-Life System™**  
 (6-Year Limited Warranty<sup>7</sup>)

<b>SPINDLE:</b>	<input type="checkbox"/> HN	<input type="checkbox"/> HP		
<b>HUB MATERIAL:</b>	<input type="checkbox"/> Ductile Iron	<input type="checkbox"/> Dura-Light Hub®	<input type="checkbox"/> Aluminum	
<b>ABSTONE RING:</b>	<input type="checkbox"/> No	<input type="checkbox"/> Yes		
<b>NUMBER OF STUDS:</b> B.C. = Bolt Circle Diameter	<input type="checkbox"/> 10 (335mm B.C.)	<input type="checkbox"/> 10 (11.25" B.C.)	<input type="checkbox"/> 8 (275mm B.C.)	<input type="checkbox"/> Other
<b>WHEEL MATERIAL:</b>	<input type="checkbox"/> Aluminum	<input type="checkbox"/> Steel	<input type="checkbox"/> Steel / Aluminum	
<b>DUAL / SUPER SINGLE:</b> (SS) Short Stud (LS) Long Stud	<input type="checkbox"/> Dual	<input type="checkbox"/> Super Single (SS)	<input type="checkbox"/> Super Single (LS)	
<b>LUBE TYPE:</b>	<input type="checkbox"/> Chevron Delo Semi-Fluid Grease	<input type="checkbox"/> Mobilith SHC 007 Semi-Fluid Grease		
<b>SEAL BRAND:</b>	Premium Hendrickson FM Seal			
<b>BEARING BRAND:</b>	Hyatt General			
<b>SPINDLE NUT:</b>	<input type="checkbox"/> Standard 3-Piece Nut	<input type="checkbox"/> PRECISION320 - HP	<input type="checkbox"/> PRECISION240 - HN	
<b>HUBCAP TYPE:</b>	Hendrickson Low Profile Hubcap			

5. Cam enclosure option available on limited number of cam lengths.

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

7. Refer to Hendrickson publication L1026 HCA NAFTA Warranty Update for complete details.

DRUM OPTIONS	
<b>DRUM MATERIAL:</b>	<input type="checkbox"/> Cast <input type="checkbox"/> Fused
<b>DRUM DUTY:</b>	<input type="checkbox"/> Standard <input type="checkbox"/> Heavy Duty
<b>DRUM BALANCING:</b>	Balanced
<b>WHEEL FASTENERS<sup>8</sup>:</b>	<input type="checkbox"/> No <input type="checkbox"/> Yes

TIREMAAX <sup>®</sup> KIT WORKSHEET <sup>9,10</sup>		(Not included in HCA <sup>®</sup> Hendrickson Chassis Axle™ Model Number — Sold Separately)	
<b>CONTROLLER TYPE:</b>	<input type="checkbox"/> CP <input type="checkbox"/> PRO		
<b>ELECTRICAL CONNECTION:</b>	<input type="checkbox"/> Delphi Weather Pack (Standard) <input type="checkbox"/> Blade Terminals <sup>11</sup>		
<b>NUMBER OF AXLES:</b>	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> Other:		
<b>HUBCAP TYPE:</b>	<input type="checkbox"/> Hendrickson Bolt-On <input type="checkbox"/> Hendrickson Extended Bolt-On <sup>12</sup>		
<b>LUBE TYPE:</b>	Semi-Fluid Grease		
<b>WHEEL STYLE / MATERIAL</b>	<input type="checkbox"/> Dual / Aluminum <input type="checkbox"/> Dual / Steel or Combo		
	<input type="checkbox"/> Super Single / Aluminum <input type="checkbox"/> Super Single / Steel (outboard valve stem) <input type="checkbox"/> Super Single / Steel (inboard valve stem)		
<b>TIRE SIZE:</b>	<input type="checkbox"/> 17.5" <input type="checkbox"/> 19.5" <input type="checkbox"/> 22.5" <input type="checkbox"/> 24.5"		
<b>COLD TIRE PRESSURE SETTING (psi)<sup>13</sup>:</b>	<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		
<b>TIRE HOSE:</b>	<input type="checkbox"/> Standard <input type="checkbox"/> Integral Check Port (22.5" tire size only)		
<b>TRAILER-MOUNTED INDICATOR LIGHT KIT:</b>	<input type="checkbox"/> LED – 12V with 1,651mm Cable (Standard) <input type="checkbox"/> LED – 12V with 889mm Cable <input type="checkbox"/> LED – 24V (Export <sup>14</sup> )		
	<input type="checkbox"/> Incandescent – 12V <input type="checkbox"/> No <sup>11</sup>		
<b>WIRING HARNESS:</b>	<input type="checkbox"/> Premium, 4.6m, ABS-ready <input type="checkbox"/> Premium, 1m, ABS-ready <input type="checkbox"/> Standard, .45m, Wiring Adaptor Plug		
	<input type="checkbox"/> No <sup>11</sup>		
<b>AIR PLUMBING KIT:</b>	<input type="checkbox"/> Manifold <sup>15</sup> <input type="checkbox"/> None		
<b>CONTROLLER TANK VALVE<sup>16</sup>:</b> (Pressure Check)	<input type="checkbox"/> No <input type="checkbox"/> Yes (CP Models Only)		

8. Two (2) wheel fasteners factory installed per wheel-end with balance packaged in plastic bag, taped and stretched-wrapped to each wheel-end.
9. Hendrickson does not provide warranty coverage for the installation, performance or components of a competitor brand tire inflation system installed on a Hendrickson suspension, trailer axle or chassis axle. Any consequential damages to the Hendrickson suspension, trailer axle or chassis 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.
10. When installing TIREMAAX<sup>®</sup>, please contact Hendrickson to verify correct wheel-end component integration.
11. Controllers featuring blade terminals, require the light kit and wiring harness options to be "no".
12. Required for axles with TIREMAAX PRO equipped with cross-drilled spindles and using the castellated spindle nut. Please verify spindle nut requirements.
13. Refer to tire manufacturer's recommended tire pressure. TIREMAAX PRO is restricted to cold tire pressure setting of 85-120 psi.
14. 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.
15. Not available for single-axle systems.
16. 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](http://www.hendrickson-intl.com)

**TRAILER COMMERCIAL VEHICLE SYSTEMS**

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**Hendrickson Mexicana**

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