#### **HENDRICKSON USE ONLY**



This ordering guide is for non-NAFTA applications using 335 mm BC hubs. Refer to L964 TRLAXLE Ordering Guide for NAFTA applications.

# H ORDERING GUIDE

## GLOBAL SYSTEMS HENDRICKSON TRAILER AXLES – HN / HP MODELS

LIT NO: L1255

DATE: December 2020

REV: A

### 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 HN or HP, please call toll-free 866.RIDEAIR (743.3247) in the U.S. or 800.668.5360 in Canada.

то:		FROM:			COMPANY NAME:		
DATE:	PHONE:		FAX:			EMAIL:	
SAME AS:				EXCEPT:			

#### AXLES

AALES	_			
APPLICATION:	Air Suspension	Mechanical Spring		
AXLE STYLE:	Straight			
SPINDLE:	🗇 HN	🗖 HP		
AXLE TRACK:	<b>1</b> 71.5"	<b>7</b> 7.5"	Other (69" to 102" in 1/2-inch increments):	
AXLE WALL <sup>1</sup> :	🗇 1/2" Nom.	🗖 5/8" Nom.	5/8" Heavy Duty 3/4" Nom.	
TIRE INFLATION SYSTEM <sup>2</sup> :	TIREMAAX® CP (Complete \	Vorksheet on p. 4)	TIREMAAX PRO (Complete Worksheet on p. 4)	🗖 No

#### Are you ordering air disc brakes? 🗍 No (Continue on page 1) 🗍 Yes (Go to page 3)

<b>DRUM BRAKES</b> *	*Refer to L809 for active ECE	brake certifications.						
BRAKE LINING:		🗖 H20	☐ ULTRAA20 <sup>™</sup>		🗖 H26			
BRAKE SIZE:	🗖 16.5" × 7"	□ 16.5" × 8-5/8"	🗖 16.5" × 7"	□ 16.5" × 7"	☐ 16.5" × 8-5/8"			
BRAKE MODEL:	HXS <sup>®</sup>	HXS	🗖 HXS	🗖 HXS	☐ HXS			
BRAKE COATING:	RAKE COATING:		Standard  AAXTREME COAT®  Standard					
BRAKE CHAMBER:	🗖 Haldex 30/30	□ Haldex 30/30, 3.0" stroke						
BRAKE CHAMBER WARR	ANTY: 🗍 Standard							
BRAKE CHAMBER BRACK	ET: 🗍 Standard	🗖 High Rise						

1. 1/2-inch 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 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.



DRUM BRAKES (Cont	inued)				L1255 Rev A
BRAKE ADJUSTER TYPE:	Auto				
BRAKE ADJUSTER:	🗖 Haldex 6.0"	<b>D</b> Other:			
S-CAM SPLINES:	28 Spline				
S-CAM LENGTH:	23.75" (Air Suspension)	20.625" (Spring Suspension)	🗖 Other (6.5" min - 35	.5" max):	
CAM ENCLOSURE <sup>3</sup> :	Standard Cam Bracket	🗖 Cam Tube System			
S-CAM / BRAKE ADJUSTER POSITION:	🗖 Cams Rear — Brake Adju	isters Down (Standard)	🗖 Cams Forward — E	Brake Adjusters Up	
DUST SHIELD:	🗖 No	🗖 Yes			
ABS SENSOR:	🗖 No	🗖 Haldex 19.7"	🗖 Wabco 15.7"	Bendix 14.84"	<b>D</b> Wabco 36.0"

DRUM BRAKE RTR	<sup>®</sup> READY-TO-ROLL <sup>®</sup> PACKAGES <sup>4</sup>
	<b>Global Service</b> (1-Year Limited Warranty <sup>5</sup> )
HUB MATERIAL:	Ductile Iron
ABS RING TONE:	Yes
NUMBER OF STUDS:	10 (335 mm B.C. <sup>6</sup> )
SPOKE SPACER:	N/A
WHEEL MATERIAL:	Aluminum Steel Aluminum
DUAL / SUPER SINGLE:	□ Dual □ Super Single (SS) <sup>7</sup> □ Super Single (LS) <sup>8</sup>
LUBE TYPE:	🗖 Semi-Fluid Grease
SEAL:	Standard
BEARING:	Standard
SPINDLE NUT:	PRECISION240® Nut System or PRECISION320® Nut System
HUBCAP TYPE:	Standard Bolt-On

DRUM OPTIONS		
DRUM MATERIAL:	Cast	
DRUM DUTY:	🗖 Standard	🗖 Heavy Duty
DRUM BALANCING:	Balanced	
WHEEL FASTENERS <sup>9</sup> :	🗖 Yes	□ No

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

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

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

6. B.C. = Bolt Circle Diameter

7. SS (Short Stud)

8. LS (Long Stud)

9. 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)

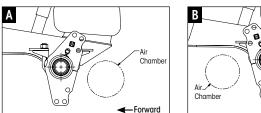
SUSPENSION / AXLE MODELS	AVAILABILITY
HT <sup>™</sup> SERIES	
HT230, HT250T, HT300*	Call for application approval
HT250U	Call for application approval – ADB generally available for 7.5" ride heights and higher
HT190U, HT250US, HT300US	ADB not available
HT250Y, HT250YS, HT300Y	ADB not available
TRAILER AXLES	
TRLAXLE® - 1/2", 5/8", 5/8" HD wall	ADB available on limited tracks
TRLAXLE – 3/4" wall	ADB not available

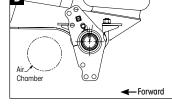
WARNING:

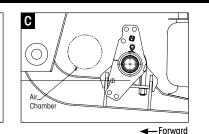
IMPROPER WHEELS OR VALVE STEMS can interfere with air disc brakes and cause rapid tire deflation, component damage, loss of vehicle control, property damage or severe personal injury. Use only wheels and valve stems that provide proper running clearance with air disc brakes equipped on the suspension.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

<b>DISC BRAKES*</b>	*Please refer to L1225 at w	ww.hendrickson-intl.com f	or more important information to consider when spec'ing air disc brakes.			
		Hendricks	on MAXX22T™ ADB (Hendrickson Standard)			
CONVERTER DOLLY APPLICATION:	🗖 No 👘 Yes (Service O	nly Chamber Available)				
DISC BRAKE APPROVAL:	Approval: 20,000 lb or less (	GAWR <b>or</b> up to 23,000 lb 0	AWR with appropriate tire SLR (See L809 for Brake Certifications)			
ROTOR BRAND/MATERIAL:	415mm Cast Iron					
PAD/LINING:	WABCO 233					
BRAKE CALIPER POSITION: For TRLAXLE® Only - See page 4 for reference	A – For top-mount mechanica B – For top-mount air suspen C – For low-ride underslung a	al suspensions or top-mount o sions with brake chamber to t air suspensions	air suspensions with brake chamber to <b>rear</b> of axle front of axle			
BRAKE CHAMBER:	🗖 WABCO 18/24 Std	UWABCO 18 (Dolly)				
RTR <sup>®</sup> READY-TO-ROLL <sup>®</sup> WHEEL-END PACKAGES:	Global Service (1-year Limited Warranty <sup>17</sup> )					
SPINDLE:	🗇 HN	☐ HP				
HUB MATERIAL:	Ductile Iron					
HUB STYLE:	Hub-Piloted × 10-stud × 335mm	BC for 22.5" and 24.5" tires				
WHEEL MATERIAL:	🗖 Aluminum	<b>T</b> Steel	🗇 Steel / Aluminum			
DUAL / SUPER SINGLE: (SS) Short Stud (LS) Long Stud	🗖 Dual	Super Single (SS)	D Super Single (LS)			
LUBE TYPE:	Semi-Fluid Grease					
SEAL:	Standard					
BEARINGS:	Standard					
HUBCAP TYPE:	Standard Aluminum Bolt-On					
SPINDLE NUT:	PRECISION240 Nut System or PR	RECISION320 Nut System				
WHEEL FASTENERS:	☐ Yes <sup>9</sup> ☐ No					
ABS TONE RING / DUST SHIELD:	Required					
ABS SENSORS (Required):	🗖 Bendix 14.84" 🛛 Bendix 7	78.7" 🗇 Haldex 19.7" 🗇	Haldex 78.7" 🗖 WABCO 39.4"			

#### **BRAKE CALIPER POSITION**







# **CAUTION:** For underslung mechanical suspensions, call Hendrickson and the suspension supplier.

**NOTES:** For all caliper positions shown, the tire inflation holes are located on top dead center of axle when suspension is at ride height. Customer should verify brake chamber clearance at the entire suspension travel range. On Figure C, the shock cannot be mounted in front of the axle on underslung suspensions due to interference with the brake chamber.

ACCESSORY ITEMS	(Not includ	ed in Hendric	kson Trailer A	xle Model Nu	mber — Sold	l Separately)					
TIREMAAX <sup>®</sup> TIRE HOSE/WHEEL GROMMETS (Fits Outside Aluminum Dual):	Hand Hole/	Valve Stem:	🗖 1.5" C	Offset 🔳	2.0" Center	2.5" Cente	r 🖪 2.5"	Offset			
TIREMAAX <sup>®</sup> KIT WORKS	HEET <sup>10,11</sup>	(Not inclu	ded in Hendr	ickson Trailer	Axle Model N	lumber — Sole	d Separately)	)			
CONTROLLER TYPE:	🗖 СР			🗖 PRO							
ELECTRICAL CONNECTION:	🗖 Delphi V	Veather Pack	(Standard)	🗖 Blade Te	erminals <sup>12</sup>						
NUMBER OF AXLES:	<b>[]</b> 1	<b>1</b> 2	<b>]</b> 3	<b>4</b>	D Other:						
HUBCAP TYPE:	Hendricksor	n Bolt-On									
LUBE TYPE:	Semi-Fluid	Grease									
WHEEL STYLE / MATERIAL:	🗇 Dual / Aluminum 🔄 Dual / 3			teel or Combo 🗍 Super			r Single / Aluminum (straight hose)				
WHEEL SITLE / MATERIAL:	🗖 Super Single / Steel (outboard valve stem; 180-d				legree hose) 🔲 Super Single / Steel (inboard valve stem; straigh				ht hose)		
TIRE SIZE:	<b>[]</b> 17.5"	<b>1</b> 9.5"	22.5"	24.5"							
COLD TIRE PRESSURE SETTING (psi) <sup>13</sup> :	<b>1</b> 70	<b>1</b> 75	<b>1</b> 80	<b>1</b> 85	<b>9</b> 0	<b>9</b> 5	<b>1</b> 100	<b>1</b> 105	110	<b>1</b> 115	<b>1</b> 20
TIRE HOSE:	🗖 Standard	k	🗖 Integral	Check Port (2	2.5" tire size	only)					
TRAILER-MOUNTED	🗖 LED – 12	2V with 65-foo	ot Cable (Stan	ndard)	🗖 LED – 1	2V with 35-foc	ot Cable	🗖 LED – 2	24V (Export <sup>14</sup> )		
INDICATOR LIGHT KIT:	🗖 Incande	scent – 12V			No <sup>12</sup>						
WIRING HARNESS:	Premium	n, 15-Foot, AB	S-ready		🗖 Premiun	n, 3-Foot, ABS-	ready				
WIRING HARNESS:	🗖 Standard	d, 18-inch, Wi	ring Adaptor I	Plug	No <sup>12</sup>						
AIR PLUMBING KIT:	🗖 Manifold	15	🗖 No								
<b>CONTROLLER TANK VALVE<sup>16</sup>:</b> (Pressure Check)	T Yes (CP	Models Only)	<b>N</b> o								

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 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.

11. When installing TIREMAAX, please contact Hendrickson to verify correct wheel-end component integration.

12. Controllers featuring Blade Terminals require the light kit and wiring harness options to be "no".

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.

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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.

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#### Call Hendrickson at 330.489.0045 or 866.RIDEAIR (743.3247) for additional information.



#### www.hendrickson-intl.com

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