



HENDRICKSON LIFT AXLE ORDERING GUIDE: COMPOSILITE® EX TRAILER, 13K (STEERABLE)

This ORDERING GUIDE is intended to assist you in the selection of Hendrickson COMPOSILITE® EX Lift Axles for Trailer (13k, Steerable). For comprehensive information on other available Hendrickson models, options and pricing, contact HENDRICKSON CUSTOMER SERVICE at 800.660.2829 (US and Canada) or liftaxle@hendrickson-intl.com. Your Hendrickson Customer Service Representative can help you complete this form.

Company:	Name:	Telephone:
Email:	Fax:	Location:

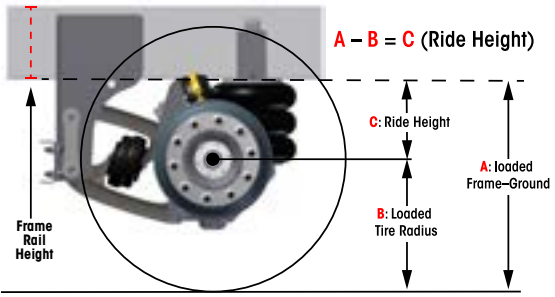
STEP 1: Please select the required **MOUNTING TYPE:**

Weld-on	Bolt-on (See Bolt-Hole Pattern B in Step 4)
	

STEP 2: Please select the required **BRAKE TYPE:**

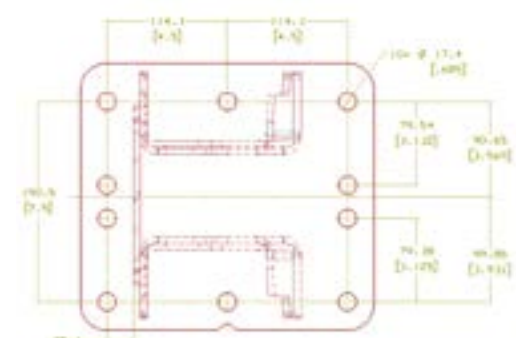
Drum Brakes	Bendix ADB22x Air Disc Brakes (FF Spindle only)*
Notes:	*IMPORTANT: If grease in the hub is required for air disc brakes, an ALUMINUM HUB is the <u>only</u> option available.

STEP 3a: Please select your **RIDE HEIGHT:**

	8.5" RIDE HEIGHT	13.5" RIDE HEIGHT	18.5" RIDE HEIGHT	
	9.5" RIDE HEIGHT	14.5" RIDE HEIGHT	19.5" RIDE HEIGHT	
	10.5" RIDE HEIGHT	15.5" RIDE HEIGHT	20.5" RIDE HEIGHT	
	11.5" RIDE HEIGHT	16.5" RIDE HEIGHT		
	12.5" RIDE HEIGHT	17.5" RIDE HEIGHT		
Notes:	If you do not know how to calculate Ride Height, please go to Step 3b ↓			

STEP 3b If you are not sure how to calculate **Ride Height**, please provide us with the following:

Vehicle's Primary Suspension Type:	Air Ride	Chalmers	Rubber Block	Mechanical Spring
Bottom of Frame Rail-to-Ground Dimension (at axle mounting location):	Unloaded:	Loaded:		
Frame Rail Height*:	Preferred Tire Size to be Mounted on Lift Axle:			
Notes:	*To measure Frame Rail Height see graphic in Step 3a; this measurement is used in the calculation to assure proper tire clearance in relation to the vehicle's body, trailer bed, etc.			

Step 4:	Please select the required FRAME ATTACHMENT CENTERS:								
	30.5"		34.5"		38.5"		43.5"		 <p>Bolt-Hole Pattern B</p>
	31.0"		35.0"		39.0"		44.0"		
	31.5"		35.5"		39.5"		44.5"		
	32.0"		36.0"		40.0"		45.0"		
	32.5"		36.5"		41.5"				
	33.0"		37.0"		42.0"				
	33.5"		37.5"		42.5"				
	34.0"		38.0"		43.0"				

Step 5:	Please select WHEEL-END (Hub & Drum) options:				
	Do you require WHEEL ENDS?	YES	NO	If "No", Select Spindle Type Below and Then Go to Step 7.	
	Select <u>One</u> Spindle Type:	Spindle FF		Spindle N	
	Do you require ABS READY?*	YES	NO	* ABS sensor is <u>NOT</u> included.	
	Hub material (select one):	DUCTILE IRON		AUSTEMPERED DUCTILE IRON	ALUMINUM**
Notes:	*ABS Sensor Kit part number is R-008245-1. Please order separately.				
	**IMPORTANT: If grease in the hub is required for air disc brakes, an ALUMINUM HUB is the only option available.				

Step 6:	Choose HUB OPTIONS (Select only <u>ONE</u> option for the desired spindle type):			
See Page 4!	HXL & TIREMAAX® (Spindle N Only)*:	☑ Standard (Spindles FF or N):		
	HXL3® (80w/90 Oil)	Choose <u>ONE</u> Spindle type below:		
	HXL3® (75w/90 Synthetic Oil)	Spindle FF	Spindle N	
	HXL5® (Semi-Fluid Grease**)	Now choose <u>ONE</u> option below:		
	*TIREMAAX® PRO or CP with HXL3® (80w/90 Oil)	Oil 80w/90		
	*TIREMAAX® PRO or CP with HXL3® (75w/90 Synthetic Oil)	Oil 75w/90 (Synthetic)		
	*TIREMAAX® PRO or CP with HXL5® (Semi-Fluid Grease**)	Semi-Fluid Grease**		
Notes:	*TIREMAAX® includes: hubcap, axle hose, breather, and associated hardware. Please order the controller separately if required.			
	**IMPORTANT: If grease in the hub is required for air disc brakes, an ALUMINUM HUB is the only option available.			

Step 7:	Please select an option for DUST SHIELDS:	
	DUST SHIELDS INSTALLED	NO DUST SHIELDS

Step 8:	Please select an option for Lock-Straight:	
	Lock-Straight Components INSTALLED	Lock-Straight Components <u>NOT</u> INSTALLED

Notes: All COMPOSITITE EXS axles are shipped Lock–Straight ready. A bolt–on Lock–Straight kit can be added at any time.

Step 9: Please select an option for **BRAKE CHAMBERS:**

	TYPE 20, 2.25–INCH STROKE BRAKE CHAMBERS (Recommended)	TYPE 14 BRAKE CHAMBERS FOR ADB (Recommended)
	TYPE 20L, 2.50–INCH STROKE BRAKE CHAMBERS	TYPE 20–24, 2.50–INCH STROKE BRAKE CHAMBERS
	TYPE 16, 2.25–INCH STROKE BRAKE CHAMBERS	
	NO BRAKE CHAMBERS	

Step 10: Please select an option for **SURFACE TREATMENT:**

Select One Option	Hanger & Crossmember	Axle Body
	Primer	Primer
	Soft Coat	Soft Coat
	Galvanized	Primer
	Galvanized	Soft Coat

*Notes: SOFT COAT and GALVANIZED are **NOT** available for Weld–On applications.

Step 11: Please select options for **AIR CONTROL KIT SPECIFICATIONS (SOLD SEPARATELY):**

SELECT CONTROL MOUNTING STYLE (CHOOSE ONE OPTION):			
Inside cab	Outside on Frame	Maryland Spec.	No Control Requested
IF OUTSIDE ON FRAME (CHOOSE ONE OPTION):			
Steel Box	Composite Box		
IF LOCK–STRAIGHT OPTION SELECTED (CHOOSE ONE OPTION):			
Lift & Lock Straight Reverse	Down & Lock in Reverse		



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Important Information for Hendrickson Customers:

Wheel-End & Hub Options: Any lift axle and suspension system's weight rating is limited by the lowest rating of any constituent component installed into or onto that system. The tire and rim specifications, orientation and load location can also affect the rating of the hubs and hence the axle and suspension system rating as a whole. It is the installer's responsibility to ensure that the axle and suspension system rating (which may be reduced, as indicated above) is not exceeded. Failure to do this can result in damage to the axle and suspension system. A particular concern is the possible "de-rating" of suspension capacity when using offset (dished-out or dished-in) wheels, a situation that can put an excessive load on the bearings and spindle, which can lead to reduced service life and mechanical failures. When utilizing hubs, wheels or bearings not supplied by or recommended by Hendrickson or when replacing Hendrickson-supplied hubs and/or bearings with components not supplied by Hendrickson, it is the buyer's responsibility to consult with the suppliers of those components and all associated supplier literature to assure that the rated capacity of the axle and suspension system or its sub-assemblies will not be exceeded.

Hendrickson Customer Service: If you have questions about this Ordering Guide or the **EX Steerable Lift Axle** for trailer applications, please contact Hendrickson Technical Services by phone 800.660.2829 or e-mail: liftaxletech@hendrickson-intl.com.

Hendrickson Genuine Parts: For long service life and optimal performance, use only **Hendrickson Genuine Parts** when servicing your lift-axle suspensions system.

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 800.660.2829 or 800.668.5360 in Canada for additional information.



www.hendrickson-intl.com

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**SPECIALTY PRODUCTS -
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Hendrickson Canada

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