

Frequently Asked Questions

Why Using Genuine Parts is Important

Why is Hendrickson's 12.25" brake design different than other designs?

Hendrickson's 12.25" brake system features unique characteristics that are designed to maximize performance of the entire braking system; therefore, it is important to use genuine OEM replacement parts when servicing the braking system. These unique design enhancements allow for the ability to:

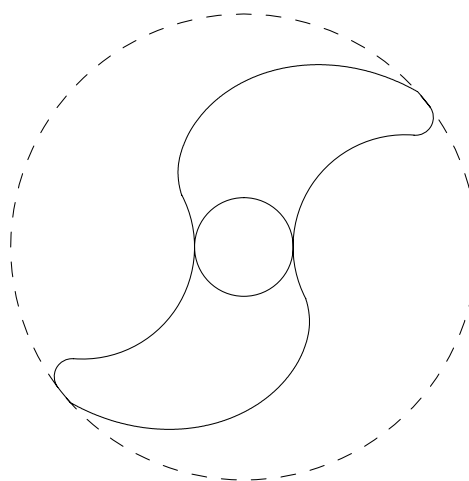
- Fully utilize the wearable brake lining thickness
- Reduce the possibility of cam flip
- Increase the overall robustness of the brake shoe assembly
- Supply a 12.25" brake shoe that meets Hendrickson's quality standards

What are the key dimensional differences between a Hendrickson 12.25" brake system and another supplier's 12.25" brake system?

Hendrickson redesigned the shoe table to fully utilize the wearable brake lining thickness, so the main difference between Hendrickson and other suppliers is the brake shoe table. The Hendrickson shoe table is 0.12" shorter from the anchor pin center to the cam roller center compared to other 12.25" brake shoe tables.

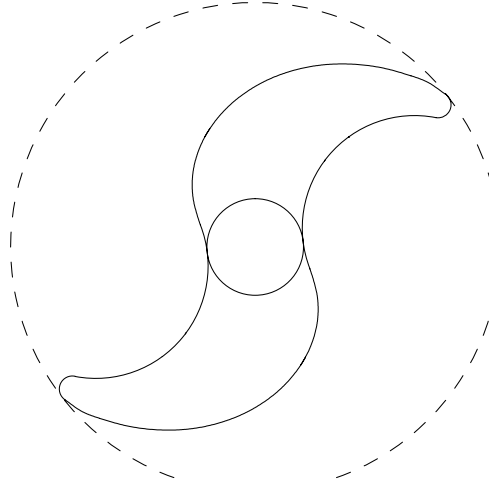
Additionally, the S-cam head profiles are different. Hendrickson's S-cam head features a larger head diameter, which helps to fully engage the brake shoe rollers.

Non-Hendrickson S-cam



3.1200"

Hendrickson S-cam



3.2750"



To learn more about Brakes,
call 866.743.3247 or visit
www.hendrickson-intl.com

 **HENDRICKSON**
The World Rides On Us®

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PRO TIP

The FMSI 4692 number defines the lining block and not the shoe table assembly. Do not use the FMSI 4692 number alone to purchase a replacement shoe.

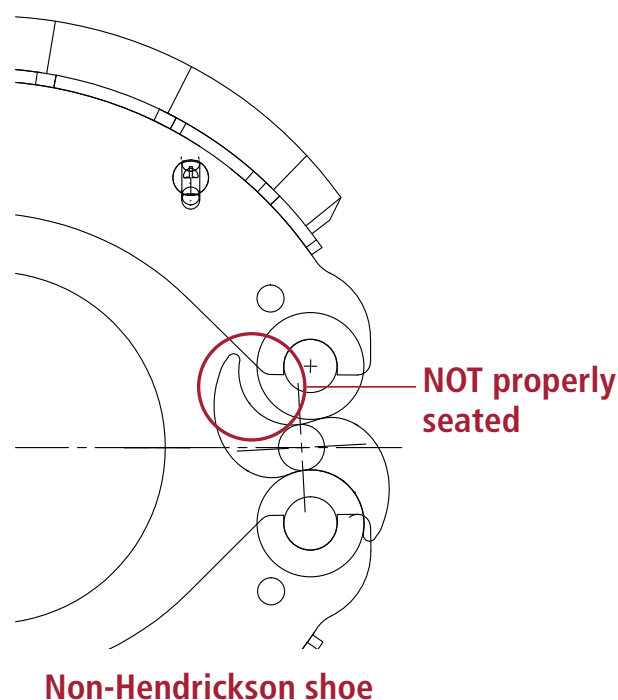
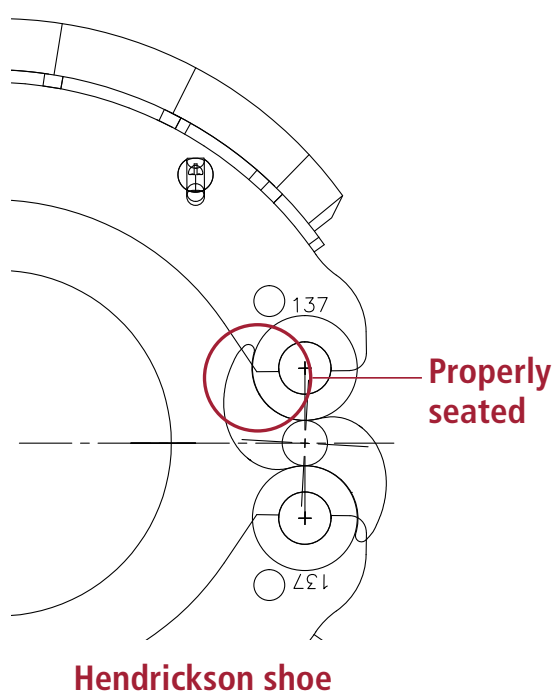
Interchangeability Between OEM 12.25" Brake Components	
	Interchangeable?
Brake Shoe Table Assembly	X
S-Cam Head Profile	X
Brake Drums	✓
Hubs	✓
FMSI 4692 Lining Block	✓

What are the potential problems with interchanging Hendrickson 12.25" brake system components with another supplier's 12.25" brake shoe components?

If a Hendrickson 12.25" brake S-cam is installed on another supplier's 12.25" brake system, the tips of the S-cam may contact the inner diameter of the brake drum, which would significantly impair the brake system's* ability to function properly.

Additionally, interchanging brake shoes can lead to problems with fit-up and, ultimately, performance. Other suppliers' 12.25" brake shoe rollers will not seat properly into the S-cam head "pockets." This same fit-up error will occur if using a Hendrickson 12.25" brake shoe on another supplier's 12.25" brake S-cam.

Choosing Hendrickson genuine parts is important for the performance of the braking system to avoid fit-up issues but it's also important to ensure optimal performance of your entire suspension system. Since Hendrickson systems use integrated parts, using will-fit components could shorten the life of other integral suspension components, leading to costly repairs. Consequences of improper fit-up can include uneven brake lining wear, reduced brake lining life and the inability of brake drums to fit over brake shoes.



* The braking system is comprised of the S-cam, brake shoes, slack adjuster, retaining springs, return springs, brake chamber and the brake drum. Of these components the S-cam, springs, and brake shoes are unique to Hendrickson.

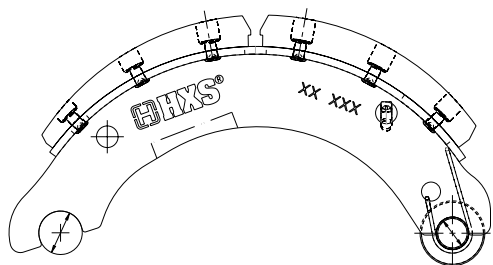
Frequently Asked Questions

How can a Hendrickson 12.25" Brake Shoe be identified in the field? *(Continued)*

1. Look for the following Hendrickson identification code on the brake shoe table or lining.

Brake Table:

- The web of the shoe will have the HXS stamped on it

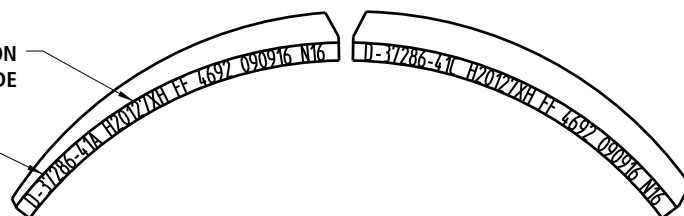


Brake Shoe:

- H2 **127XH**
- 127 designates a 12.25" × 7.5" brake

HENDRICKSON
IDENTIFICATION
CODE

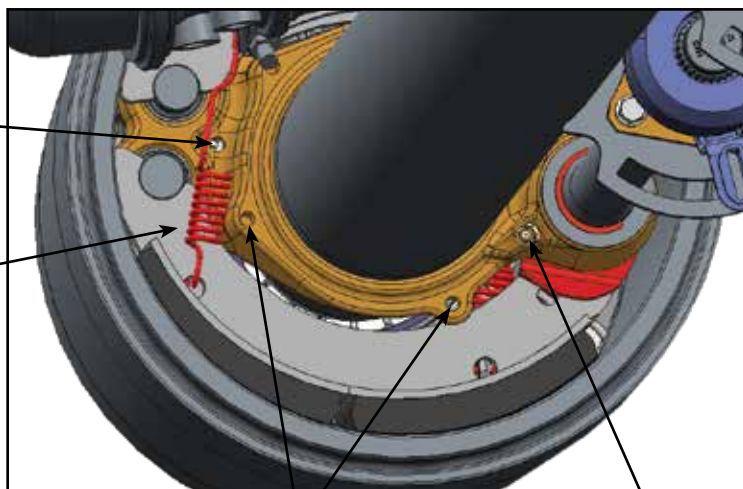
HENDRICKSON
PART NUMBER



1a. Look for the following Hendrickson identifiable marks;

- a. Hole located under anchor pins

- b. Offset coil on retaining spring



1a. II Bosses for Dust Shield

1a. III Zerk Grease Fitting



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How can a Hendrickson 12.25" Brake Shoe be identified in the field? (Continued)

2. Check the ID tag description to determine the brake size and type:

- Based on the model number, reference the tables 'Brake Size' and 'Brake Type' for the full description.
- Refer to Hendrickson Literature No. L977 *Trailer Suspension Systems and Axle Systems Identification Guide* for more information.

Model Number: TRLAXLE.18736														
DESCRIPTION: HP - S 50 5 T 0774 - W E 1274 L - S H T 8 5 - F - S														
Spindle	Cam Option	Axle Diameter	Tube Wall	Axle Track	Auto Lube	Brake Type	Brake Size	Cam Length	ABS Option					
	Axle Type	Chambers			Spider Type			Cam Option						

BRAKE SIZE

1274 - 12¼" × 7½" brakes

1585 - 15" × 8⅝" brakes

1670 - 16½" × 7" brakes

1685 - 16½" × 8⅝" brakes

415 - 415mm MAXX22T™ ADB

430 - 430mm ADB

---- (4 Dashes) - No Brakes

3. Use Parts Plus to identify appropriate service kits:

- Log onto <https://partsplus.hendrickson-intl.com/SearchPartsPlus>
- Select 'Component Lookup'
- Type in the listed model number
- See the 'description' and table below to cross reference part information



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 **866.RIDEAIR (743.3247)** for additional information.



www.hendrickson-intl.com

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