

TECHNICAL PROCEDURE

PRECISION320® SPINDLE NUT SYSTEM

SUBJECT: Hubcap Compatibility
and Kit Information

LIT NO: T77001

DATE: July 2016

REVISION: B

ABOUT PRECISION320® NUT SYSTEM

This kit contains a patented PRECISION320® nut system: spindle nut, interlock washer and two washer retaining screws. While some early production nuts were machined from steel, the current nut design utilizes powdered metal construction and is slightly thicker than the steel nut it replaces. Using the larger powdered metal nut (Figure 1) in applications for which it was not intended can result in interference with the hubcap.

Hubcap compatibility is listed in the table on the following pages. For questions, contact Hendrickson Trailer Technical Services at 866-RIDEAIR (743-3247) or email HTTS@Hendrickson-intl.com.

RELATED LITERATURE

The table below includes a list of literature relative to PRECISION320 spindle nut applications.

NAME	DESCRIPTION
L583	<i>Comprehensive Warranty Statement</i>
T71005	<i>PRECISION320®, PRECISION240® Install Poster</i>
T72002	<i>HXL7® Wheel-end Maintenance Procedures</i>
T72006	<i>HXL3® Wheel-end Maintenance Procedures</i>
T72007	<i>HXL5® Wheel-end Maintenance Procedures</i>

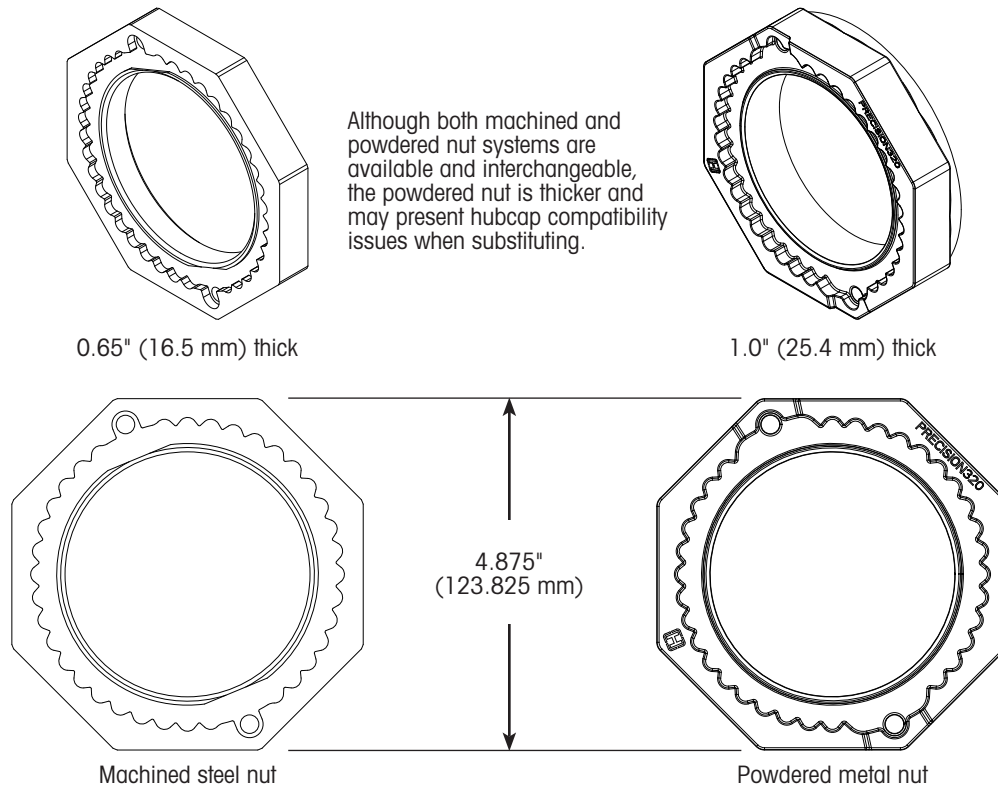








Figure 1: PRECISION320® HP spindle nut systems



PRECISION320® SPINDLE NUT COMPATIBILITY

As shown in [Figure 1](#), this powdered metal nut is thicker than its machined counter part. The additional thickness could lead to interference between the hubcap and powdered metal nut system. If the powdered metal nut in this kit is intended to replace the machined steel nut, use the below table to ensure hubcap compatibility. It is recommended to **use only genuine Hendrickson or Hendrickson approved replacement components**.

SPINDLE TYPE	HUB CAP BRAND	PICTURE	[H] P/N	MANUFACTURER P/N	TIRE INFLATION SYSTEM (TIS)	PRECISION320® NUT COMPATIBILITY?
HP ³	Hendrickson		A-28509	HS164P	None	Machined steel
			C-32056-1	N/A	TIREMAAX® PRO ¹	Machined steel Powdered metal
			C-32056-3	N/A	TIREMAAX PRO ¹	Machined steel Powdered metal
			C-32057-1	N/A	TIREMAAX PRO ¹	Machined steel Powdered metal
			C-32070-1	N/A	TIREMAAX CP Integrated ¹	Machined steel Powdered metal
			C-32070-3	N/A	TIREMAAX CP Integrated ¹	Machined steel Powdered metal

¹ For TIREMAAX® PRO and CP Integrated, allowance must be made for hubcap mounted rotary union. Refer to T57001 *Wheel-end Considerations*.








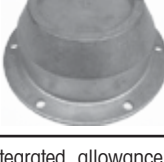
² The hubcap's embossed air port used with the Hendrickson spindle mounted rotary union TIS will contact the powdered metal spindle nut. See [Figure 1](#) on [page 1](#).

³ The PRECISION320® nut system is designed for HP parallel spindles only.

⁴ Refer to [L583](#) warranty coverage information when installing non-Hendrickson TIS on Hendrickson suspensions.











HUBCAP COMPATIBILITY AND KIT INFORMATION

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HP ³	Hendrickson		C-33377	N/A	None	Machined steel Powdered metal
			C-34434	N/A	None	Machined steel Powdered metal
			C-34785	N/A	None	Machined steel Powdered metal
			E32629-1	N/A	None	Machined steel Powdered metal
	Federal Mogul		N/A	HWB-195-4S	None	Machined steel Powdered metal
			N/A	HWM-195-4S	PSI ⁴	Machined steel Powdered metal
			N/A	HWN-195-4	PSI ⁴	Machined steel Powdered metal
			N/A	HWQ-195-4	None	Machined steel Powdered metal

¹ For TIREMAAX® PRO and CP Integrated, allowance must be made for hubcap mounted rotary union. Refer to [T57001 Wheel-end Considerations](#).
² The hubcap's embossed air port used with the Hendrickson spindle mounted rotary union TIS will contact the powdered metal spindle nut. See [Figure 1 on page 1](#).
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HUBCAP COMPATIBILITY AND KIT INFORMATION



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HP ³	Dual Dynamics		C-26493	N/A	TIREMAAX® EC & CP ²	Machined steel
			C-26494	N/A	TIREMAAX EC & CP ²	Machined steel
			C-28573	257-PSN	None	Machined steel Powdered metal
			C-29466	255-G	None	Machined steel Powdered metal
			C-25887	106870	None	Machined steel Powdered metal
			C-25888	10018621	None	Machined steel Powdered metal
			C-31254	N/A	None	Machined steel Powdered metal
			C-31185	N/A	TIREMAAX EC & CP ²	Machined steel

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HP ³	Stemco		A-23406	343-4195	None	Machined steel
			A-23988	348-5308	None	Machined steel
			A-23989	349-4195	None	Machined steel
			C-31293	343-4311	TIREMAAX® EC & CP ²	Machined steel
			C-31291	340-4311	TIREMAAX EC & CP ²	Machined steel

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Call Hendrickson at **866.RIDEAIR (743.3247)** for additional information.



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