



# PRECISION NUT™

Two-piece spindle nut system

- Simple, innovative two-piece system
- Accurate settings and streamlined installation
- Industry-standard spindle compatibility



HN Tapered Spindle



HP Parallel Spindle



PRECISION320®

### Simple, Innovative Two-Piece System

Hendrickson's patented<sup>▲</sup> PRECISION NUT™ system is engineered to perform and achieve precise bearing adjustments - whether factory-installed by Hendrickson for the OEM or in the field when service is required.

The PRECISION NUT system features five times the adjustment resolution of competitive spindle nut systems to allow for more precise bearing adjustments thus elevating bearing and seal performance beyond traditional levels.

### Accurate Settings and Streamlined Installation

The PRECISION NUT system is designed to help technicians accurately set end play the first time with confidence when performing field service.

When the desired end play setting is reached, the unique lock washer engages the nut and is designed to seat itself properly to precisely secure end play for maximized bearing and seal life.

Additionally, the system's unique two-piece design can help save installation time compared to competitive three-piece nut systems.

### Industry-Standard Spindle Compatibility

The PRECISION NUT system is standard on Hendrickson-installed extended-life READY-TO-ROLL® wheel-end packages including HXL3®, HXL5® and HXL7® systems.

When field service is required, PRECISION NUTs are standard replacement components on HXL-equipped Hendrickson suspensions systems and axles. PRECISION NUT can also be used on any industry-standard tapered ("N") or parallel ("P") with approved hubcap compatibility\*.

<sup>▲</sup> This product is covered by at least one or more U.S. and/or foreign patents and/or pending U.S. and/or foreign patent applications. See Hendrickson for details.

\* Refer to Hendrickson Literature Numbers T77001 and T77002 for information on which hub caps are compatible to install with the PRECISION NUTs.



To learn more about PRECISION NUT systems, call 866.743.3247 or visit [www.hendrickson-intl.com](http://www.hendrickson-intl.com)

**HENDRICKSON**  
*The World Rides On Us®*

# PRECISION NUT™ Features and Benefits

## Larger Load Zone

- Distributes load evenly over bearing rollers to help increase bearing life
- Helps increase seal life due to less wear on the main seal lip

## Nearly 5 times the adjustment resolution of competitor systems

- More precise bearing settings for maximized bearing and seal life



PRECISION320®

## Simplified Installation

- Helps save field installation time compared to three-piece spindle nut systems
- Unique lock washer design helps to ensure proper engagement to spindle nut for more precise installation and component life
- If the lock washer does not fully engage, simply flip it over enabling a secure connection

## Industry-Standard Spindle Compatibility

- Standard service replacement spindle nut for Hendrickson RTR® — equipped units including HXL3®, HXL5® and HXL7® wheel-end systems
- Available on any industry-standard tapered ("N") or parallel ("P") spindle where spindle nut replacements are required

## PRECISION NUT Installation Comparison

Hendrickson's PRECISION NUT™ systems feature machined threads and mating surfaces to help ensure proper engagement of the lock washer and cap screws to the spindle nut for secure installation.

### Competitor 2-piece



NOT engaged

### PRECISION NUT™



Engaged

## PRECISION NUT Specifications

SPINDLE NUT	CAP SCREW TORQUE				ADJUSTMENT INCREMENTS
	ft. lbs.	Nm	CAP SCREW HEX	SPINDLE	
PRECISION240®	10±2	13.5±2	5/32"	HN	240
PRECISION320®	15±2	20±2	3/16"	HP	320

Refer to Hendrickson Literature Number T71005 - PRECISION NUT INSTALLATION PROCEDURES POSTER for socket and torque specifications for PRECISION spindle nuts.

**Hendrickson Genuine Parts** are the same quality components installed in Hendrickson original equipment systems — consisting of the same design, construction, performance, and durability. There is only one way to maintain and protect your systems original performance. Ask for the name that is synonymous with the finest manufactured ride control systems in the world.

*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

### TRAILER COMMERCIAL VEHICLE SYSTEMS

2070 Industrial Place SE  
Canton, OH 44707-2641 USA  
866.RIDEAIR (743.3247)  
330.489.0045 • Fax 800.696.4416

### Hendrickson Canada ULC

2825 Argentia Road, Unit #2 - 4  
Mississauga, ON Canada L5N 8G6  
800.668.5360  
905.789.1030 • Fax 905.802.9423

### Hendrickson Mexicana

Circuito El Marqués Sur #29  
Parque Industrial El Marqués  
Pob. El Colorado, Municipio El Marqués,  
Querétaro, México C.P. 76246  
+52 (442) 296.3600 • Fax +52 (442) 296.3601

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