

PRO-TORQ®

An Axle Spindle Nut System for Today's Fleets



Features and Benefits

Longer Tread Life. Fleets save tires, wheels track truer. PRO-TORQ® controls axial motion, holding bearing end play near zero while maintaining exact cup and cone alignment on the spindle. This is good news for radial tires. PRO-TORQ® delivers the adjustment precision which experts agree is needed to maximize radial tire life.

Extended Wheel Seal and Bearing Service. PRO-TORQ® supports seal, bearing and axle manufacturers' specifications. With PRO-TORQ®'s tight control on wheel bearing adjustment, fleets minimize premature seal failure and improve extended seal and brake lining programs. PRO-TORQ® is also your choice when using new semi-fluid and synthetic grease lubricants to precisely set bearings for lubed-for-life wheel ends.

Good Wear Resistance

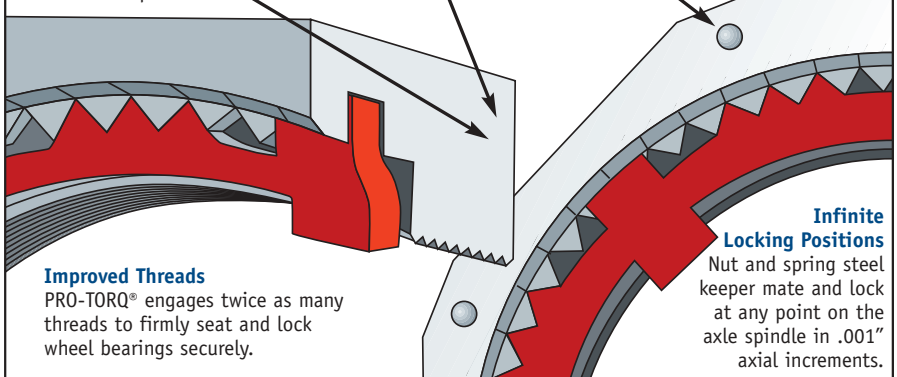
Bearing contact surface is induction hardened. No washers required.

Flat Contact Surface

Improves wheel bearing cup and cone alignment.

Highly Visible Adjustment Marks

Give mechanics precise control of nut backoff amount during installation.



Improved Threads

PRO-TORQ® engages twice as many threads to firmly seat and lock wheel bearings securely.

Infinite Locking Positions

Nut and spring steel keeper mate and lock at any point on the axle spindle in .001" axial increments.

PRO-TORQ® compensates for normal bearing wear, permitting precise .001" takeup increments at scheduled preventative maintenance intervals. This keeps bearings properly aligned, running cooler and lasting longer.

Improves ABS. PRO-TORQ®'s reliable low end play bearing adjustment and axial motion control helps assure accurate wheel end sensor monitoring of wheel speeds on antilock braking systems.



A Higher Standard of Performance.™

PRO-TORQ® ADVANCED AXLE SPINDLE NUTS

Cost Saving Installation

For more than 10 years, leading fleets have chosen PRO-TORQ® to deliver the longer service life they expect from today's tires, wheel seals and bearings. PRO-TORQ® minimizes variability in wheel bearing adjustment, which means extended maintenance intervals and trouble-free performance from steer, drive and trailer axle wheel ends.

Tight Control on Bearing Adjustment

PRO-TORQ® gives fleets the ability to standardize wheel end maintenance practices and makes repeatable, close tolerance bearing adjustment a reality. From mechanic to mechanic, PRO-TORQ® single nut systems and adjustment procedure will consistently secure the nut with wheel bearing adjustment accuracy in the range of .001-.003" end play.

PRO-TORQ® avoids the extremes of both preload and excessive bearing end play. It gives fleets the tightest adjustment standard in the industry.

Faster to Install, Easier to Lock

PRO-TORQ® assures that bearings are "positive" locked in precise position the first time. That's because PRO-TORQ® uses only one nut — no jamming, juggling or time wasted while repositioning multiple nut assemblies.

Clearance in the threads of traditional "jamming" type nuts can result in a wide range of final settings. A mechanic can unintentionally impose preload on a bearing by overtightening the jam nut. As a

result, the outer bearing cone can be pushed further up the spindle and out of its intended position.

PRO-TORQ® takes the guesswork out of bearing adjustment, and no dial indicator is required.

SPINDLE NUT APPLICATIONS	Thread Size	Outer Bearing Part Number	Tool Socket
TRAILER AXLE STEMCO No. 447-4723 Fruehauf Pro-par, Meritor TP	3.480"-12	HM518410/ HM518455	4 13/16"- 8 point (OTC# 1941)
STEMCO No. 447-4724 22,500#-23,000# Eaton	3 1/2"-12	HM518410/ HM518445	4 13/16"- 8 point (OTC# 1941)
STEMCO No. 447-4743 17,000#-22,500# Meritor, Dana, Eaton, Std Forge, Ingersoll	2 5/8"-16	HM212011/ HM212049	3 3/4"- 8 point (OTC# 1925)
STEER AXLE STEMCO No. 448-4836 12,000# Meritor, Navistar	1 1/2"-12	3720/3782	2 1/2"- 6 point (OTC# 1921)
STEMCO No. 448-4837 12,000# Eaton, Ford, Meritor	1 1/2"-18	3720/3782	2 1/2"- 6 point (OTC# 1921)
STEMCO No. 448-4839 12,000#, 14,300# Mack	1 5/8"-12	45220/45280	2 5/8"- 6 point (OTC# 1922)
STEMCO No. 448-4864 18,000#, 20,000# Mack	2"-12	552A/555S	3"- 6 point (OTC# 1906)
STEMCO No. 448-4865 Meritor FL Series	1 3/4"-12	552A/555S 3979/3720	3"- 6 point (OTC# 1906)
DRIVE AXLE STEMCO No. 449-4904 34,000#, 38,000#, 44,000# Mack	2 7/8"-12	47620/47679 572/575 563/567	4 1/8"- 6 point (OTC# 1915)
STEMCO No. 449-4973 34,000#-46,000# Eaton, Meritor, Dana, Navistar, 50,000# Mack	3 1/4"-12	572/580	4 3/8"- 8 point (OTC# 1917)
STEMCO No. 449-4974 Meritor, Eaton, Ford, Navistar	2 5/8"-12	3920/3984 39520/39590	3 3/4"- 8 point (OTC# 1925)
STEMCO No. 449-4975 19,000# Dana, Navistar, Bluebird	2 5/8"-12	3920/3984 39520/39590	3 3/4"- 8 point (OTC# 1925)



STEMCO®

A Higher Standard of Performance.™

QS 9000 & ISO 9001

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