WHEEL END

PRO-TORQ®
ADVANCED AXLE SPINDLE NUTS

UNRIVALED PRECISION AND SERVICE LIFE

Increase tire life and reduce premature wheel seal failure with the proven performance of the Pro-Torq® axle spindle nut. With back off increments down to 0.001 inch and exacting cup and cone alignment on the spindle, nothing compares to the reliability and precision of Pro-Torq.

INCREASED TREAD LIFE
Controls axial motion, holding bearing end play near zero for longer tread life.

PRECISE BEARING ADJUSTMENT
Minimizes premature seal failure and improves seal and brake lining programs.

INFINITE BEARING ADJUSTMENT
Allows 0.001 inch back off increments to keep bearings aligned, running cooler and lasting longer.

IMPROVES ABS
Helps ensure accurate wheel-speed monitoring on anti-lock braking systems.

SINGLE-NUT DESIGN
Eliminates potential for overtightening the jam nut and pushing the outer bearing cone out of position.

EASY TO INSTALL
Only one nut means less time wasted trying to reposition multiple-nut assemblies.

STEMCO®
Making the Roadways Safer®
An ENPRO Company

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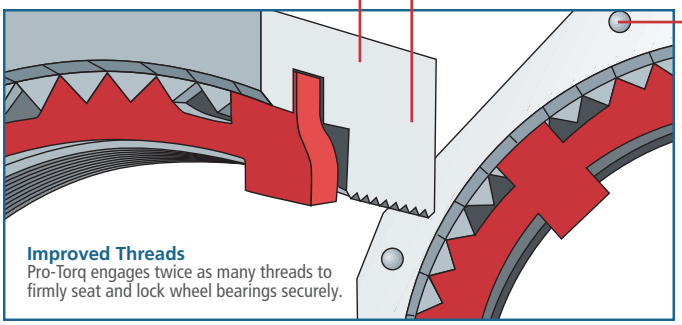
Pro-Torq Axle Spindle Nuts

SPINDLE NUT APPLICATIONS	REPLACEMENT KEEPER PART #	THREAD SIZE	OUTER BEARING CONE / CUP	TOOL SOCKET
TRAILER AXLE				
STEMCO No. 447-4723 Fruehauf Pro-par, Meritor TP	450-4723	3.480"-12	HM518445 / HM518410	4 13/16"- 8 point (OTC# 1941) OTC # 1961M 120mm - 8 point
STEMCO No. 447-4724 22,500-23,000# Eaton, EST 230-P, EST 225-P, P-22	450-4723	3 1/2"-12	HM518445 / HM518410	4 13/16"- 8 point (OTC# 1941) OTC # 1961M 120mm - 8 point
STEMCO No. 447-4743 17,000-22,500# Meritor, Dana, Eaton, Std Forge, Ingersoll	450-4743	2 5/8"-16	HM212049 / HM212011	3 3/4"- 8 point (OTC# 1925)
STEMCO No. 449-4973 Dana Est-230-P, *P22 Axles or TQ *Axle date code post January 1, 2006	450-4973	3 1/4"-12	HM518445 / HM518410	4 3/8"- 8 point (OTC# 1917)
STEER AXLE				
STEMCO No. 448-4836 12,000# - 14,000# Meritor, Navistar	450-4836	1 1/2"-12	3782 / 3720	2 1/2"- 6 point (OTC# 1921)
STEMCO No. 448-4837 12,000# Eaton, Ford, Meritor	450-4837	1 1/2"-18	3782 / 3720	2 1/2"- 6 point (OTC# 1921)
STEMCO No. 448-4838 Meritor, Volvo	450-4837	1 1/2"-12	3782 / 3720	2 1/2"- 6 point (OTC# 1921)
STEMCO No. 448-4839 12,000#, 14,300# Mack	450-4839	1 5/8"-12	45280 / 45220	2 5/8"- 6 point (OTC# 1922)
STEMCO No. 448-4864 18,000#, 20,000# Mack	450-4864	2"-12	555S / 552A	3"- 6 point (OTC# 1906)
STEMCO No. 448-4865 16,000# - 20,000# Meritor FL Series	450-4865	1 3/4"-12	555S / 552A 3720 / 3979	3"- 6 point (OTC# 1906)
DRIVE AXLE				
STEMCO No. 449-4904 34,000#, 38,000#, 44,000# Mack	450-4904	2 7/8"-12	47679 / 47620 575 / 572 567 / 563	4 1/8"- 6 point (OTC# 1915)
STEMCO No. 449-4973 34,000-46,000# Eaton, Meritor, Dana, Navistar, 50,000# Mack	450-4973	3 1/4"-12	580 / 572	4 3/8"- 8 point (OTC# 1917)
STEMCO No. 449-4974 Meritor, Eaton, Ford, Navistar	450-4743	2 5/8"-12	3984 / 3920 39590 / 39520	3 3/4"- 8 point (OTC# 1925)
STEMCO No. 449-4975 19,000# Dana, Navistar, Bluebird	450-4975	2 5/8"-12	3984 / 3920 39590 / 39520	3 3/4"- 8 point (OTC# 1925)

Pro-Torq Advanced Axle Spindle Nut Design Features

Superior 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 technicians precise control of nut back off amount during installation.

Infinite Locking Positions
Nut and spring-steel keeper mate and lock at any point on the axle spindle in 0.001" axial increments.

Improved Threads
Pro-Torq engages twice as many threads to firmly seat and lock wheel bearings securely.

Zip-Torq/Auto-Torq Cross Reference

PRO-TORQ P/N	ZIP-TORQ P/N	AUTO-TORQ P/N
447-4723	400-4723	480-4723
447-4743	400-4743	480-4743
448-4836	400-4836	N/A
449-4973	400-4973	480-4973
448-4836	400-4836	N/A
448-4837	400-4837	N/A
448-4864	400-4864	N/A
448-4865	400-4865	N/A
449-4973	400-4973	N/A
449-4904	400-4904	N/A
449-4974	N/A	N/A
449-4975	N/A	N/A

Cost-Saving Installation

For more than 40 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 wheel-bearing adjustment variability, providing extended maintenance intervals and trouble-free performance from steer, drive and trailer axle wheel ends.

Tight Bearing Adjustment Control

Pro-Torq gives fleets the ability to standardize wheel end maintenance practices and makes repeatable, close-tolerance bearing adjustment a reality. From technician to technician, when the Pro-Torq 2-1-1 adjustment procedure is followed, wheel-bearing end play adjustment of 0.001-0.003" can be accurately achieved.

Pro-Torq avoids the extremes of excessive bearing end play, giving fleets the tightest adjustment standard in the industry.

Faster To Install, Easier To Lock

Pro-Torq assures bearings are precisely and positively locked in position the first time, because with Pro-Torq there is no jamming, juggling, or wasting time working with multiple-nut assemblies. That's because Pro-Torq uses only one nut.

Clearance in the threads of traditional jamming-type nuts can result in a wide range of final settings. Technicians can unintentionally over-tighten jam nut systems, which can result in the outer bearing being pushed further up the spindle and out of the intended position.

Pro-Torq takes the guesswork out of bearing adjustment!

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