

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.

PRO-TORQ® AXLE SPINDLE NUTS

| SPINDLE NUT APPLICATIONS | REPLACEMENT KEEPER PART NUMBER | THREAD SIZE | OUTER BEARING CONE / CUP | TOOL SOCKET |
|--|--------------------------------|-------------|---|-------------------------------|
| TRAILER AXLE | | | | |
| STEMCO No. 447-4723 Fruehauf Pro-par, Meritor TP *Axle date code post January 1, 2006 | 450-4723 | 3.480"-12 | HM518445 / HM518410 | 4 13/16"- 8 point (OTC# 1941) |
| 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) |
| 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# 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 | 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 | 5555 / 552A | 3"- 6 point (OTC# 1906) |
| STEMCO No. 448-4865 Meritor FL Series | 450-4865 | 1 3/4"-12 | 5555 / 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) |

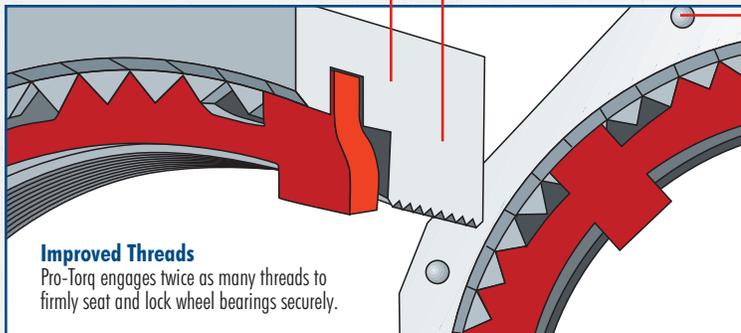
PRO-TORQ ADVANCED AXLE SPINDLE NUT DESIGN FEATURES

Superior Wear Resistance

Bearing contact surface is induction-hardened. No washers required.

Flat Contact Surface

Improves wheel bearing cup and cone alignment.



Improved Threads

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

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.

COST-SAVING INSTALLATION

For more than 20 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 preload and 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 impose preload on a bearing by over-tightening jam nut systems. 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!

Making the Roadways Safer®

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STEMCO®
A Higher Standard of Performance.™