

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.





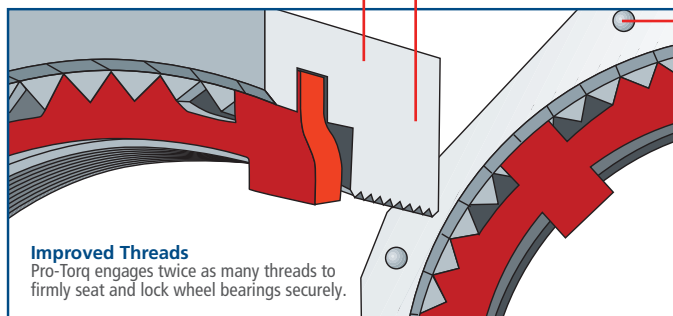
Pro-Torq Axle Spindle Nuts

| SPINDLE NUT APPLICATIONS | REPLACEMENT KEEPER PART # | 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 | 5555 / 552A | 3"- 6 point (OTC# 1906) |
| STEMCO No. 448-4865 16,000# - 20,000# 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.



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.

Zip-Torq/Auto-Torq Cross Reference

| PRO-TORQ P/N | ZIP-TORQ P/N | AUTO-TORQ P/N |
|-----------------|-----------------|---|
| 447-4723 | 400-4723 | 480-4723-XR (includes Discover XR Seal 373-0423) |
| 447-4743 | 400-4743 | 480-4743-XR (includes Discover XR Seal 373-0443) |
| 448-4836 | 400-4836 | N/A |
| 449-4973 | 400-4973 | N/A |
| 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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