

STEMCO®

SUSPENSION PRODUCTS



QWIKKIT® KING PINS **KEEP FLEETS ON THE ROAD LONGER**

TRUST THE KING PIN EXPERTS WITH THIS VITAL SYSTEM



STEMCO®
A Higher Standard of Performance.™

Making the Roadways Safer®

an EnPro Industries company

QwikKit® KING PIN KITS

STEMCO QwikKit king pin kits protect fleets as well as other vehicles on the road with higher impact strength, more consistent lubrication, and up to four times the longevity of OE or other aftermarket competitors’ king pins. In addition, our STEMCO QwikKits install in a fraction of the time of a reamed king pin. Each STEMCO QwikKit product is tested to take the abuse of the road and is backed by more than 50 years of experience in king pin technology, extensive on-site training for technicians, and a trusted warranty program.

DESIGNED FOR DURABILITY

Not all king pins are created equal. Only STEMCO’s proprietary king pin design allows an optimal flow of lubrication to high-wear areas, safeguarding investments, and ensuring long king pin life. STEMCO’s proven configuration of lip seals and self-cleaning bushings deliver clean grease to the pin, which then carries debris and contaminants outward from the pin and bushing.



When removing a STEMCO QwikKit king pin from the truck, there may be a dark spiral pattern in the steering spindle bore. This is evidence of the pumping action that is continually keeping the king pin lubricated and expelling contaminants outward.

A UNIQUE BLEND OF MATERIALS

The high-performance materials used to fabricate each QwikKit are selected to provide an ideal balance of strength and resilience between the pin and bushing. This precise combination of materials is found exclusively in STEMCO QwikKit king pin kits, so only STEMCO products will exhibit the durability and reliability the market has come to expect.

Each component of the STEMCO QwikKit is part of a proven system integrally designed not just for rapid installation, but superior performance, and better durability. Providing longer-life from materials selection to design to manufacturing. Our lip seal performs the critical function of retaining lubrication on one side and keeping contaminants out on the other. We harden our lock pins to ensure the king pin is held more securely in the axle, reducing the opportunity for an out-of-round condition that could result in loose steering control and increased tire wear.

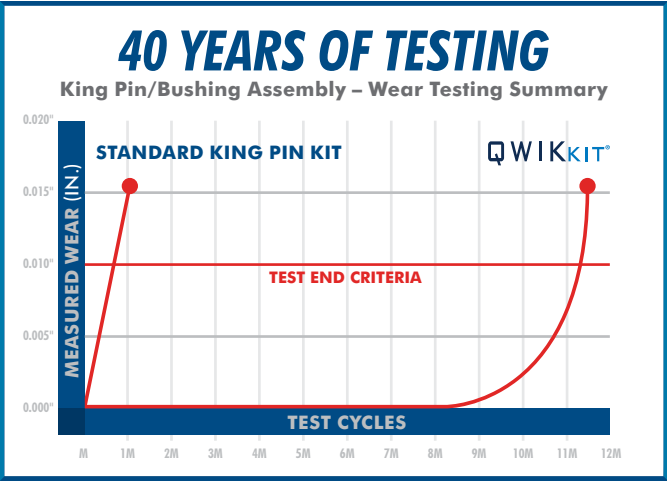


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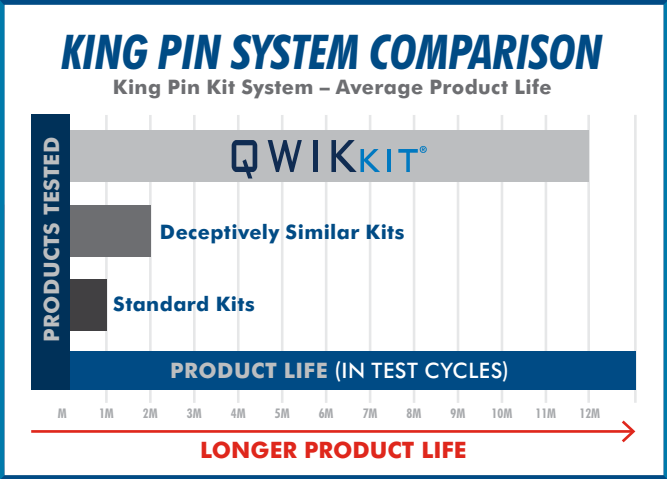
TESTED FOR TOUGHNESS

For more than 40 years, STEMCO has tested STEMCO QwikKit king pins versus OE king pins and aftermarket competitors. This has helped us refine our methods for controlling lubrication and materials selection. This testing, combined with proprietary material, manufacturing and design science, provides the foundation for pin and bushing performance that yields up to four times the life expectancy of traditional king pin kits, which include bimetal, bronze, and composite bushings.

Based on these test results, we have engineered design modifications to the bushing that lead to better performance and extended life.



The STEMCO QwikKit king pins lasted **four times longer** than original equipment and substantially longer than aftermarket competitors.



LITTLE DETAILS, BIG DIFFERENCE

Everything about the QwikKit is designed for performance, durability and safety, including:

- Hardened lock pins that reduce damage to the axle.
- Lip seals to keep contaminants out.
- Self-cleaning bushings to expel debris reducing premature wear.

The Charpy impact test, for instance, is a standard measure of a material’s toughness. This test is a good measure of how a king pin will hold up under a severe load, such as a curb strike. STEMCO king pins ranked the highest of the four tested applications, regardless of diameter. In all cases, the STEMCO king pin outperformed both the OE and aftermarket king pins..

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CUT DOWN SHOP TIME

Replacing traditional king pins can sometimes be a long, greasy process. The proprietary design of the QwikKit king pin allows it to be installed by technicians in a fraction of the time of a traditional OE or aftermarket king pin. This allows maintenance teams to move to their next project quicker and eliminate the need for the next service job.

COMPLETE COVERAGE

The king pin is the most critical component on the steer axle, so the correct king pin must be specified and technicians must be trained on safe installation. STEMCO offers the broadest coverage of king pin kits with over 250 options including 100 different QwikKit applications. We also have full coverage with our PlusKit® and ECONO KIT.

In markets that require a bronze bushing, STEMCO offers the STEMCO PlusKit. With pre-sized bi-metal bronze bushings, this kit quickly becomes the alternative to a reamed king pin installation. Reamed installations are still achievable with the STEMCO ECONO Kit king pin and bushing kit.

Our VIN number crossover process ensures an accurate match with fleet vehicles. We're continuously adding new kits to stay current.

UNEQUALED SUPPORT

We stand behind our products with one of the best warranties in the business, engineered so that warranty is rarely necessary. Our QwikKit has a record of virtually no warranty returns—less than two claims per 10,000 kits sold.

Our technical support team is available for all STEMCO products including exceptional expertise in king pin products. With over 100 years of combined QwikKit knowledge and the ability to help with installation, VIN number crossovers, and identifying the proper kit, STEMCO offers unparalleled support.

TRUSTED ON-SITE TRAINING

We empower customers, sales staff, and technicians with a robust training program used by over 50,000 technicians annually. We offer on-site training, in-depth help, and District Service Managers to ensure the roadways stay safe. The king pins are the most crucial components of the steer axle, so proper training and installation is critical. At any time, expert help for STEMCO king pins is only one call away through live technical support.

Making the Roadways Safer®

United States | 800-527-8492 | 903-758-9981
300 Industrial Boulevard
Longview, Texas 75602 | US

Canada | 877-232-9111 | 905-206-9700
5775 McLaughlin Road
Mississauga, Ontario L5R 3P7 | Canada

stemco.com

Mexico | 444-804-1736
Eje Central Sahop No 215, Zona Ind
San Luis Potosi SLP 78395 | Mexico

Australia | 011-61-2-9793-2599
Unit 6 CNR Rookwood & Muir Roads
Yagoona NSW 2199 | Australia

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Part No. 577-0101 | Rev. 3/18


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