

TECHNICAL BULLETIN

STEERTEK™ NXT • STEERTEK™ Tie Rod Assemblies

SUBJECT: Tie Rod Assembly Replacements &
Tie Rod End Component Service Kits

LIT NO: SEU-0223

DATE: July 2020

REVISION: E

IMPORTANT NOTICE

In **March 2020**, Hendrickson Truck Commercial Vehicle Systems introduced new **straight** high capacity tie rod assemblies (Part Nos. 80721-001 through 80721-003) for use on certain STEERTEK™ NXT High Capacity Fabricated Steer Axle Systems (up to 24,000 pound capacity). In May 2018, Hendrickson introduced a new **drop** high capacity tie rod assembly (Part No. 79365-001) for use on such STEERTEK NXT High Capacity Fabricated Steer Axle Systems. These high-capacity tie rod assemblies and their respective tie rod end component service kits can be found in the Selection Guide in this publication.

The above tie rod assemblies and others equipped on STEERTEK NXT and STEERTEK axles for production vehicles and available for aftermarket service purposes since 2014 use the tie rod end component style shown in Figure 1.

FIGURE 1

**Current Tie Rod End
Component Style
Introduced in 2014**



FIGURE 2

**Prior Tie Rod End
Component Style
Offered before 2014**

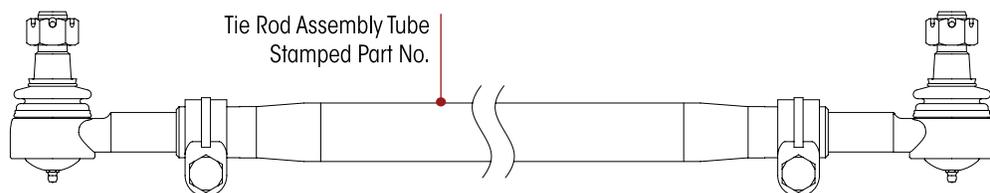


For service purposes, note these current tie rod assemblies are not compatible with any prior tie rod assemblies offered before 2014 and that use the previous end component style shown in Figure 2. Any necessary service of the previous tie rod end component style will require complete tie rod assembly replacement.

The Selection Guide in this publication will assist with identifying the tie rod assembly part number equipped on your STEERTEK NXT • STEERTEK • AIRTEK NXT • AIRTEK • SOFTEK NXT • SOFTEK suspension system and determining the proper tie rod end component service kit(s) and/or tie rod assembly replacement part number.

To identify the current tie rod assembly on the vehicle, locate the part number on the tie rod tube, see Figure 3. If the number on the tie rod tube is worn or not visible, contact the vehicle manufacturer with the VIN number and request the tie rod assembly part number. Once the tie rod assembly number is identified, refer to the Selection Guide in this publication to determine the appropriate replacement components.

FIGURE 3



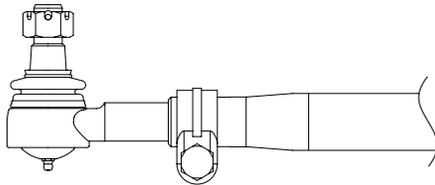


For complete maintenance and safety instructions, refer to the appropriate Hendrickson Technical Publications for STEERTEK NXT • STEERTEK • AIRTEK NXT • AIRTEK • SOFTEK NXT • SOFTEK suspension systems, available online at www.hendrickson-intl.com.

SELECTION GUIDE

- **Tie rod assemblies include:** tie rod tube, left hand, right hand tie rod ends and 7/8" castle nuts
- **Tie rod end service kits include:** left hand, right hand tie rod ends, 7/8" flat washer and tie rod nut cotter pin

STRAIGHT TIE RODS – 1 1/8" THREADS



STEERTEK NXT AXLE

TIE ROD ASSEMBLY PART NO.	TIE ROD END PART NO.	TIE ROD END SERVICE KIT NO.
76877-001 through 76877-006	70995-001 (LH) 70995-002 (RH)	60961-734 (Axle Set) 60961-736 (LH) 60961-741 (RH)

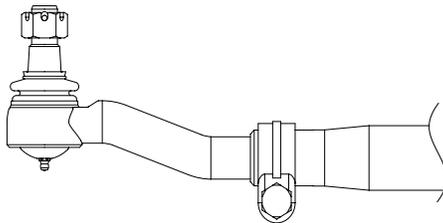
STEERTEK NXT • STEERTEK AXLE

58908-001 through 58908-006
60239-001 through 60239-006
64801-001 through 64801-006
65706-001 through 65706-002

Tie rod end service kits are no longer available for these assembly numbers, requires complete tie rod assembly replacement.

TIE ROD ASSEMBLY REPLACEMENT PART NO.
76877-001 through 76877-006

DROPTIE RODS – 1 1/4" THREADS



STEERTEK NXT AXLE

TIE ROD ASSEMBLY PART NO.	TIE ROD END PART NO.	TIE ROD END SERVICE KIT NO.
76878-001 through 76878-003	76875-001 (LH) 76875-002 (RH)	60961-737 (Axle Set) 60961-739 (LH) 60961-740 (RH)

STEERTEK NXT • STEERTEK AXLE

59948-001 through 59948-003
65690-001 through 65690-003
66699-001 through 66699-003

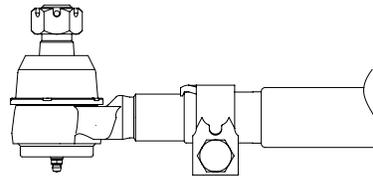
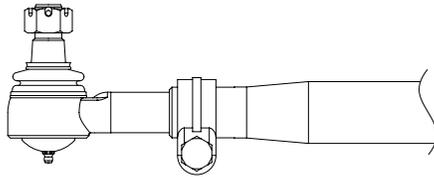
Tie rod end service kits are no longer available for these assembly numbers, requires complete tie rod assembly replacement.

TIE ROD ASSEMBLY REPLACEMENT PART NO.
76878-001 through 76878-003



SELECTION GUIDE (Continued)

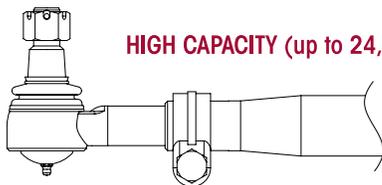
STRAIGHT TIE RODS – 1 1/4" THREADS



STEERTEK NXT • STEERTEK AXLE

*TIE ROD ASSEMBLY PART NO.	TIE ROD END PART NO.	TIE ROD END SERVICE KIT NO.	
*76879-001 through 76879-003	76876-001 (LH) 76876-002 (RH)	60961-735 (Axle Set) 60961-742 (LH) 60961-743 (RH)	*STEERTEK NXT High Capacity Systems (16K-24K lb Capacity) equipped with straight tie rod assembly Part Nos. 76879-001 through 76879-003, refer to your respective parts list for proper component conversion to tie rod assemblies 80721-001 through 80721-003.
64006-001 through 64006-003	64002-001 (LH) 64002-002 (RH)	60961-011 (Axle Set) 60961-027 (LH) 60961-028 (RH)	
STEERTEK NXT • STEERTEK AXLE			TIE ROD ASSEMBLY REPLACEMENT PART NO.
64442-001 through 64442-003	Tie rod end service kits are no longer available for these assembly numbers, requires complete tie rod assembly replacement.		76879-001 through 76879-003

STRAIGHT TIE RODS – 1 1/4" THREADS

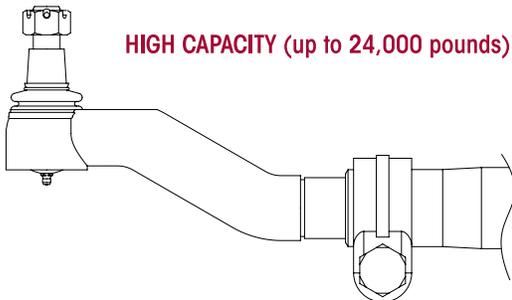


HIGH CAPACITY (up to 24,000 pounds)

STEERTEK NXT High Capacity

TIE ROD ASSEMBLY PART NO.	TIE ROD END PART NO.	TIE ROD END SERVICE KIT NO.
80721-001 through 80721-003	80745-001 (LH) 80745-002 (RH)	60961-890 (Axle Set) 60961-889 (LH) 60961-888 (RH)

DROP TIE RODS – 1 7/8" THREADS



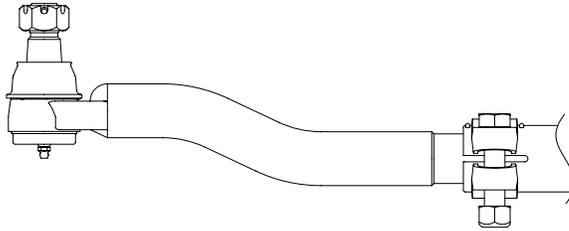
HIGH CAPACITY (up to 24,000 pounds)

STEERTEK NXT High Capacity

TIE ROD ASSEMBLY PART NO.	TIE ROD END PART NO.	TIE ROD END SERVICE KIT NO.
79365-001	79366-001 (LH) 79366-002 (RH)	60961-884 (Axle Set) 60961-882 (LH) 60961-883 (RH)



DROP TIE RODS – 1 1/2" THREADS



STEERTEK NXT • STEERTEK AXLE

TIE ROD ASSEMBLY PART NO.	TIE ROD END PART NO.	TIE ROD END SERVICE KIT NO.
68869-001	68935-001 (LH) 68935-002 (RH)	60961-626 (Axle Set) 60961-624 (LH) 60961-625 (RH)

For more information contact your local Hendrickson parts supplier, truck dealer or Hendrickson Tech Services at:



Toll-free U.S. and Canada
1.866.755.5968
Outside U.S. and Canada
1.630.910.2800



Parts Identification
truckparts@hendrickson-intl.com
Technical Support
techservices@hendrickson-intl.com



1.630.910.2899



Additional Hendrickson
Product Information
www.hendrickson-intl.com

Actual product performance may vary depending upon vehicle configuration, operation, service and other factors. All applications must comply with applicable Hendrickson specifications and must be approved by the respective vehicle manufacturer with the vehicle in its original, as-built configuration. Contact Hendrickson for additional details regarding specifications, applications, capacities, and operation, service and maintenance instructions.

Call Hendrickson at 1.866.755.5968 (toll-free) or 1.630.910.2800 for additional information.



www.hendrickson-intl.com

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