

UP2DATE

INTRODUCTION OF NG4 EVO SPRING BRAKE ACTUATORS For pneumatic brakes in trailer application

Evolution of Knorr-Bremse Spring Brake Actuators from NG4+ to double crimped NG4 EVO

The continuous pursuit of innovation in the automotive industry has resulted in remarkable advancements in safety and performance. Knorr-Bremse, as a leading OE supplier for Actuators, is constantly working on innovative products and technologies to make transport and travel safer. In recent years, there has been a significant evolution in this technology, transitioning from clamp-ring Actuators to crimped versions.

Crimping provides a stronger and more durable bond between the front and rear body of the Actuator, which resists loosening, vibration, and potential failure under extreme conditions, ensuring consistent and reliable Actuator performance. This simplification streamlines the installation process and reduces maintenance efforts. Thus, the improved connection offers enhanced reliability, improved performance, simplified maintenance and installation, enhanced safety, and long-term cost-effectiveness. The extended service life and reduced maintenance requirements for crimped Knorr-Bremse Spring Brake Actuators translate into lower overall operating expenses for vehicle owners.

These benefits make Knorr-Bremse crimped Actuators a preferred choice in the Aftermarket: reliable and trusted best quality products ensure that your vehicle stops at the right time.

NG4 EVO follows the "crimped only" design, already introduced for Brake Chambers (OBC) and other Spring Brake Actuator families like NG3 EVO, NG5 and the new types NG4 EVO PRO recently introduced at OE.

Spring Brake Actuators NG4 EVO are double crimped (on service and parking side) for improved sealing. The new NG4 EVO design of the Double Diaphragm Actuator will be introduced incrementally, replacing NG4+ products. Please find a complete overview on the next page.

At a glance

- › Technology transition to double crimped version: NG4 EVO
- › Fit and function of the new NG4 EVO Actuators are identical to the NG4+ range
- › Higher robustness and extended product lifetime
- › Produced in EU on high efficiency lines



OVERVIEW OF NG4 EVO REPLACEMENTS

Current IAM Part Number NG4+	Type Number		Replaced by IAM Part Number NG4 EVO	Type Number	Size
K159127N50	BS7324	>	K192166N00	BS7313	T16/24
K159941N00	BS7313	>			
K159942N00	BS7318	>	K192167N00	BS7318	
K159128N50	BS7325	>	K192165N00	BS7312	
K159940N00	BS7312	>			
K159943N00	BS7319	>	K192168N00	BS7319	
K159937N00	BS7303	>	K192161N00	BS7309	
K159938N00	BS7304	>			
K159939N00	BS7309	>			
K159950N00	BS7755	>	K192174N00	BS7755	T18/24
K159951N00	BS7756	>	K192175N00	BS7756	
K159948N00	BS7750	>	K192172N00	BS7751	
K159949N00	BS7751	>			
K159129N50	BS7405	>	K192180N00	BS7405	T20/24
K159955N00	BS7403	>	K192178N00	BS7403	
K159130N50	BS7406	>	K192181N00	BS7406	
K159956N00	BS7404	>	K192179N00	BS7404	
K159954N00	BS7402	>	K192177N00	BS7402	

Related Documents:

Y011371 Product Data Sheet

Y487181 Service Manual

Y143654, Y143655 TUEV Reports

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Up-to-date information on our products can be found on our website truckservices.knorr-bremse.com



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