

UP2DATE

A DURABLE BOND

Crimped Brake Actuators - reliable and durable

Knorr-Bremse Brake Actuators are known for safety for many years and are available for many truck, bus or trailer application using Air Disc Brakes or Drum Brakes. Innovations, such as the crimping, improve the robustness of the Actuator and therefore the safety of your brake systems.

A crimped joint between the front and rear portion, i.e. there is no clamp ring, provides improved leakage protection.

The technology migration from clamped to crimped versions is used and recognized by our OE customers since many years: crimped Actuators also increase the safety in workshops (prevention of accidental disassembly of rear portion) and assembly errors (e.g. incorrect mounting of diaphragm), which can cause failures in the brake system.

Additionally, Knorr-Bremse Spring Brake Actuators with internal breathing technology enable rapid balancing of pressure in the spring chamber to atmospheric pressure, with clean and dry air, and therefore maximized output delivery.

Optimized Brake Chamber (OBC) and NG5 Spring Brake Actuators, provided by Knorr-Bremse since many years, are using these advantages to extend product lifetime and to minimize downtimes.

Crimped NG5 Actuators are backwards compatible to most of clamped NG3 Spring Brake Actuators application. Of course they are TÜV-approved and are continually subjected to intensive test procedures.

At a glance

- › Compact, sealed and crimped mono-block design
- › Reliable and durable crimping technology
- › Higher robustness and extended product lifetime
- › Reduced service cost and minimized downtime
- › Internal breathing technology to protect from moisture and failure



NG3 WITH BOLTED CLAMP RING



NG5 CRIMPED

TECHNOLOGY TRANSFER BETWEEN NG3 AND NG5 ACTUATORS *

Size	NG5 Technology		NG3 Technology		KB OE Part#	Predecessor
	KB IAM Part #	Product Type	KB IAM Part #	Product Type		
20/24	K139052N00	BS8420	K007657N00	BS8420	K007657	K001124
	K139053N00	BS8421	K007658N00	BS8421	K007658 K139053N04	
	K139550N00	BT5424	I131407000	BS9404	I131407 I131407AT I131407ES I131407SP	
20/24 HFL1	K010039N00	BS8413	K007668N00	BS8413	K007668 K010039N04	
	K010041N00	BS8414	K007669N00	BS8414	K007669 K010041N04	
	K139579N00	BT7600	I138922F	BS8516		
	K139580N00	BT7601	K007684N00	BS8544	K007684	K005059
	K139581N00	BT7602	K007685N00	BS8545	K007685	K005060
20/24 HFL3 S	K010024N00	BS8426	K007677	BS8426	K001970	K001970
	K010025N00	BS8427	K007678	BS8427	K001971	K001971
	K010323N00	BT5702	K004044000	BS8402	K004044	
	K010324N00	BT5703	K004045000	BS8403	K004045	
	K011955N00	BT5704	K002861N00	BS9411	K002861	I132701000
	K011956N00	BT5705	K002860N00	BS9412	I132702 I132702AT I132702ES K002860	I132702000
24/24	K139562N00	BT7402	K075741N00	BS8586		
	K139568N00	BT7406	K007135000	BS8507	K001605 K007135	
	K139569N00	BT7407	K007136000	BS8508	K001606 K007136	K001606000
	K139572N00	BT7408	I137282	BS9534		
	K139573N00	BT7409	I132609000	BS9504	I132609	
	K139574N00	BT7410	I132697000	BS9505	I132697	
	K139586N00	BT7413	I132009	BS9506		
	K150805N00	BT7420	I131408	BS9503		I131408AT I131408ES
	K139577N00	BT7421	I139219F	BS8517		I139219F000
K139578N00	BT7422	I139220F	BS8518			
24/24 HFL1	K139589N00	BT7603	I134870	BS9522		
24/24 HFL3 S	K139548N00	BT7710	K004052N00	BS9502	K004052	I132703000
	K139549N00	BT7711	K004053000	BS9509	K004053	I132174000
	K139553N00	BT7712	K131186N00	BS9543	K011452	K011452000
	K139554N00	BT7713	K131187N00	BS9544	K011453	K011453000

* Please Note: NG5 Actuators can not be used for radial brake and/or bus application or in case of usage an 3/2 valves directly mounted on the actuator air ports.

NG5 ACTUATORS TECHNICAL ADVANTAGES

- › Higher compacity : removal of clamp ring allows to fit in reduced chassis environment
- › 360° uniform compression of diaphragm for secured tightness
- › Internal breathing technology to protect from moisture and consequent failures
- › High durability for parking brake actuations
- › Highly resistant sealing: homologated for -40°C to +80°C range
- › Burst pressure > 30 bar
- › 400h corrosion protection
- › HFL3 S variants: Power spring material with increased tensile strength allowing shorter spring design
- › Significant variant reduction due to absence of a clamp ring, (no different clamp ring positions)
- › TÜV approved

KEEP IT RUNNING

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



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