

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 | |
|--------------|----------------|--------------|----------------|--------------|
| | IAM Part # | Product Type | IAM Part # | Product Type |
| 20/24 | K139052N00 | BS8420 | K007657N00 | BS8420 |
| | K139053N00 | BS8421 | K007658N00 | BS8421 |
| | K139550N00 | BT5424 | I131407000 | BS9404 |
| 20/24 HFL1 | K010039N00 | BS8413 | K007668N00 | BS8413 |
| | K010041N00 | BS8414 | K007669N00 | BS8414 |
| | K139579N00 | BT7600 | I138922F | BS8516 |
| | K139580N00 | BT7601 | K007684N00 | BS8544 |
| | K139581N00 | BT7602 | K007685N00 | BS8545 |
| 20/24 HFL3 S | K010024N00 | BS8426 | K007677 | BS8426 |
| | K010025N00 | BS8427 | K007678 | BS8427 |
| | K139548N00 | BT7710 | K004052N00 | BS9502 |
| | K139549N00 | BT7711 | K004053000 | BS9509 |
| | K139553N00 | BT7712 | K131186N00 | BS9543 |
| | K139554N00 | BT7713 | K131187N00 | BS9544 |
| | K010323N00 | BT5702 | K004044000 | BS8402 |
| | K010324N00 | BT5703 | K004045000 | BS8403 |
| | K011955N00 | BT5704 | K002861N00 | BS9411 |
| | K011956N00 | BT5705 | K002860N00 | BS9412 |
| | 24/24 | K139562N00 | BT7402 | K075741N00 |
| K139568N00 | | BT7406 | K007135000 | BS8507 |
| K139569N00 | | BT7407 | K007136000 | BS8508 |
| K139572N00 | | BT7408 | I137282 | BS9534 |
| K139573N00 | | BT7409 | I132609000 | BS9504 |
| K139574N00 | | BT7410 | I132697000 | BS9505 |
| K139586N00 | | BT7413 | I132009 | BS9506 |
| K150805N00 | | BT7420 | I131408 | BS9503 |
| K139577N00 | | BT7421 | I139219F | BS8517 |
| K139578N00 | | BT7422 | I139220F | BS8518 |
| 24/24HFL3S | K139589N00 | BT7603 | I134870 | BS9522 |

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

* 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.

EVERY VEHICLE TELLS ITS STORY.
KEEP IT RUNNING

Up-to-date information on our products can be found on our website www.knorr-bremsecvs.com



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Note

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