

UP2DATE

Pneumatic Disc Brakes Type SyT7 (NexTT®)

Update on the introduction of Knorr-Bremse's latest product generation for Trailer

Introduced in 2023 for Schmitz Cargobull 9t semi-trailer applications, also SAF-Holland and Jost Trailer axles are now equipped with Knorr-Bremse Trailer Air Disc Brakes Type SyT7 (NexTT). To ensure readiness for maintenance and service, all essential information can be found in this document.

How can you increase productivity and profitability through higher payload without compromising on brake performance? Knorr-Bremse engineers have taken up this challenge and successfully mastered it. Specially developed for use in semi-trailers, the innovative type SyT7 trailer brake incorporates numerous trend-setting new developments that set it apart from other suppliers and set new standards in efficiency and safety.

The new disc brake is ideal for light to medium 22.5" semi-trailer applications, as it is the lightest 22.5" trailer brake on the market today. At the heart of this new generation of brakes is the innovative single-piston system in combination with the tried-and-tested and field proven adjustment system and the encapsulated guide system. The new pad concept includes innovative taper wear compensation and a new pad retention system. The inner pad is hooked in the carrier which reduces the effort required for replacement and handling when changing the pads. The new service concept is tailored to the advanced technologies of the brake and includes all service parts and tools required for maintenance. Even during development, great importance was attached to service-friendliness.

Ease of maintenance, improved robustness, and significant weight reduction: these unique features and advantages take Knorr-Bremse's Type SyT7 pneumatic disc brakes to a whole new level of quality and performance.

At a glance:

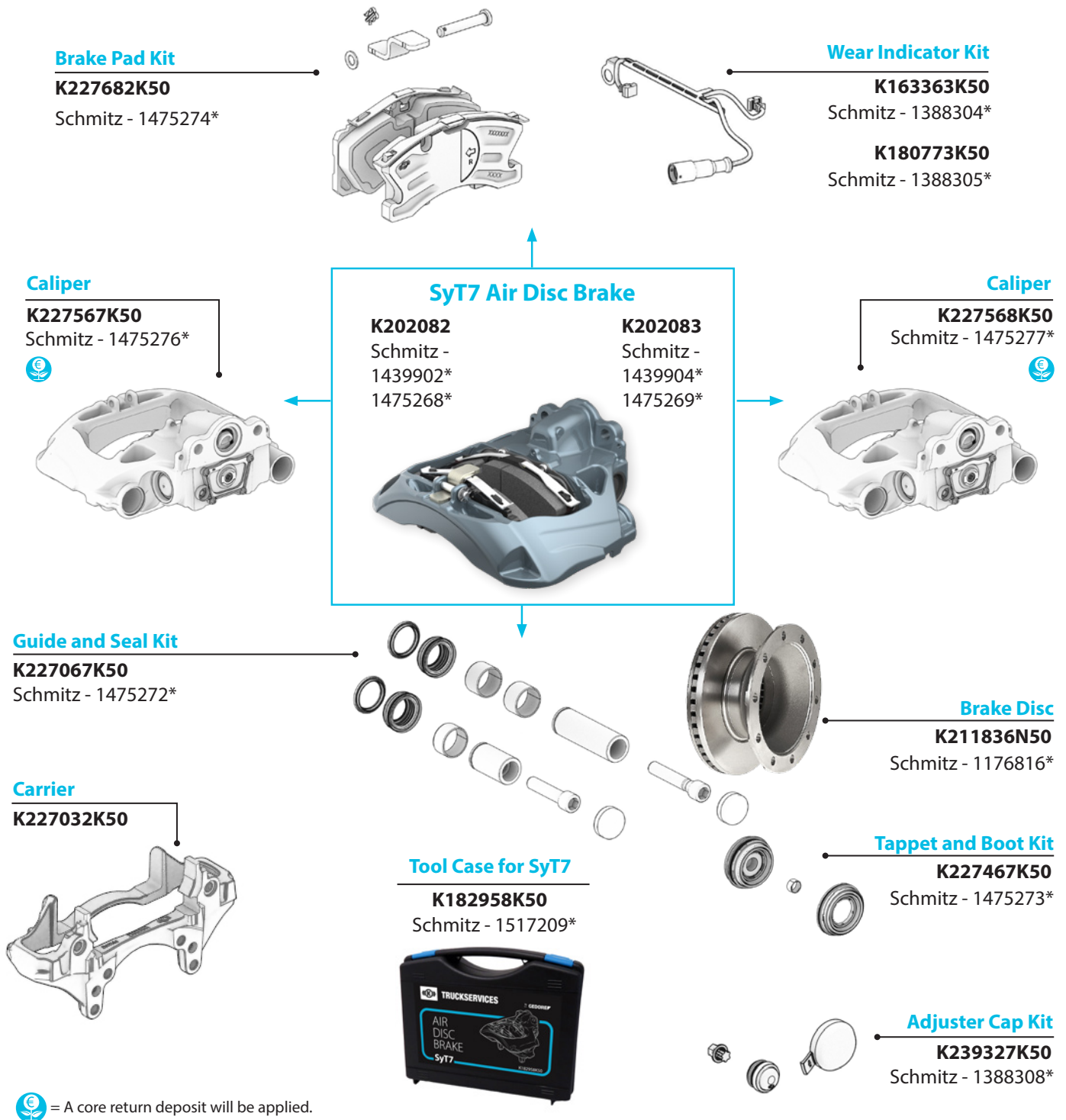
- › Optimized brake generation SyT7 for 9t semi-trailer applications
- › Single-piston technology
- › Braking torques up to 20kNm
- › Weight < 29 kg - currently the lightest 22.5" trailer brake on the market
- › Innovative pad concept
- › New maintenance-friendly service concept



Note: SyT7 brakes are not backwards compatible with previous brake generations.

Service Parts and Tools

For Knorr-Bremse SyT7 Schmitz Cargobull 9t semi-trailer applications



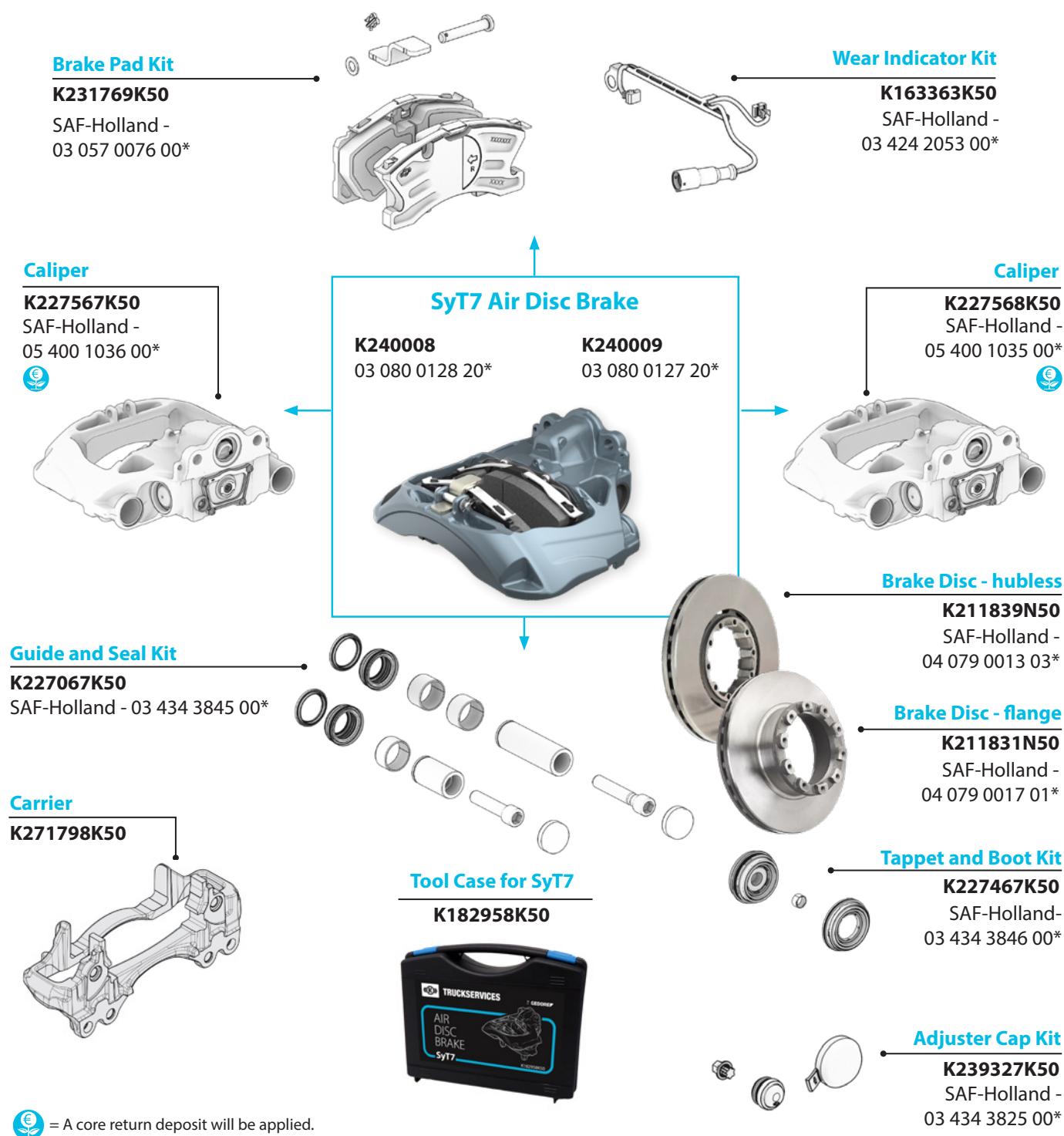
* Please note: the above listed cross-references to the manufacturer's numbers are only intended as a guide to identifying the relevant IAM part numbers. The information is supplied without liability.

For further information on the service of the Air Disc Brakes please take a look into the Knorr-Bremse Service Manual Y418754-# or eService Manual SyT7: Y528109-#.

- For the latest revision please refer to the website: truckservices.knorr-bremse.com

Service Parts and Tools

For Knorr-Bremse SyT7 SAF-Holland 9t semi-trailer applications



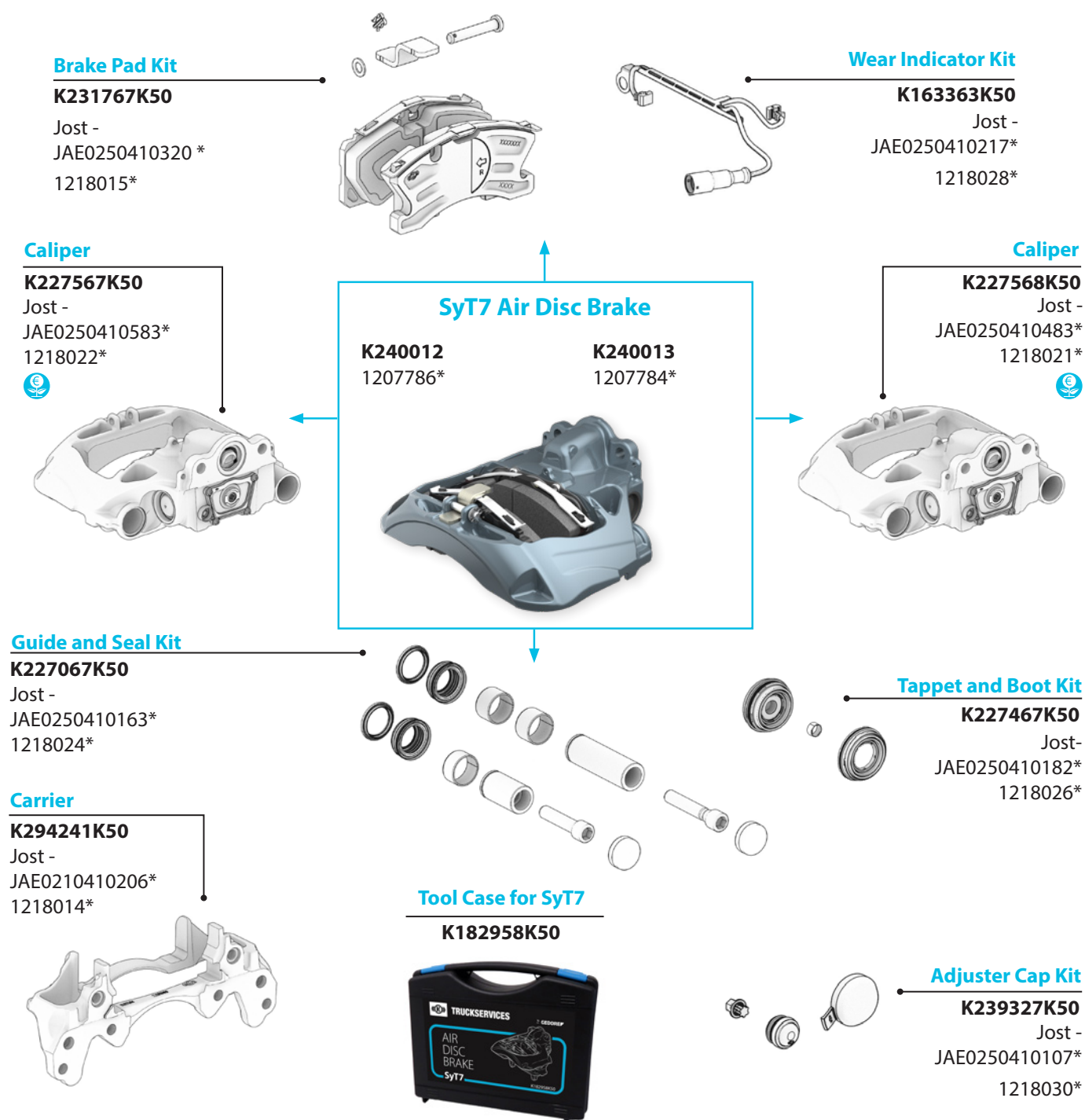
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Service Parts and Tools

For Knorr-Bremse SyT7 Jost 9t semi-trailer applications



 = A core return deposit will be applied.

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Introducing the new Bellow Guard (included with the SyT7 brake pad kit)

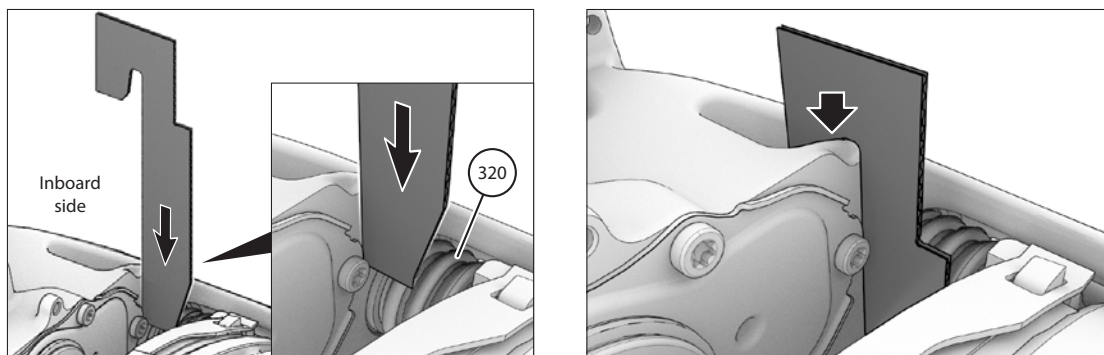
To ensure simple, trouble-free brake-pad replacement and to protect the inner boot from damage, a new Bellow Guards assembly aid is included in the pad kits for the SyT7 (NexTT) application. Additional information can be found in the kit leaflet.

Detailed instructions can also be found in the latest version of Service Manual Y418754. Please refer to Chapter 6: "Brake Pad Replacement – Replacement of Inner Brake Pad".

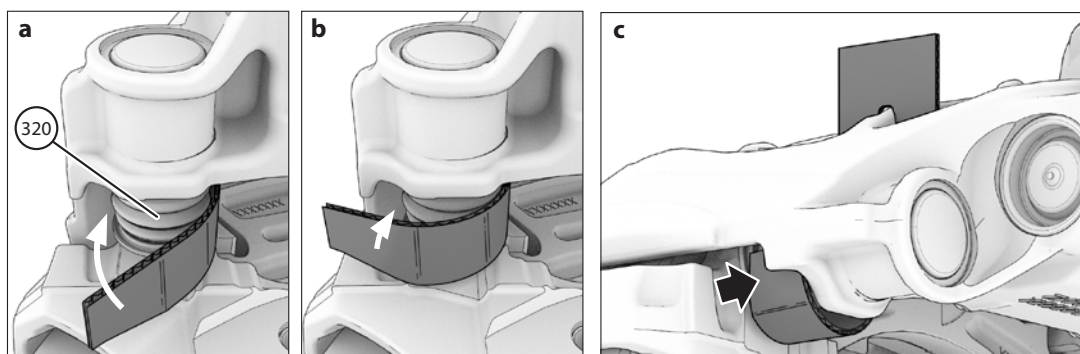


Fig. Bellow Guard

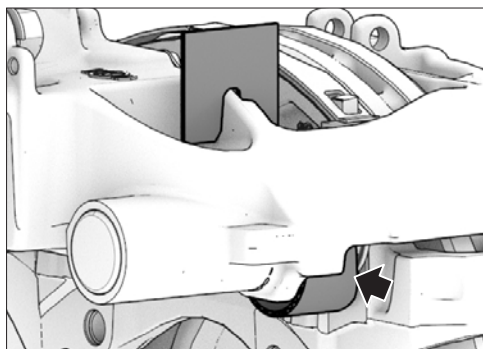
Step 1: Slide bellow guard down one side as shown until its top hook slots onto the caliper.



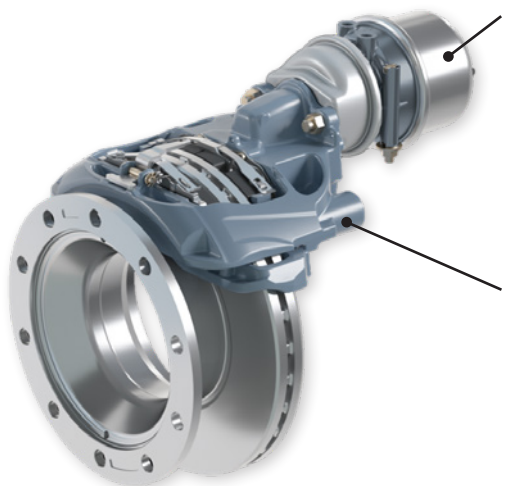
Step 2: Wrap lower part of bellow guard around inner boot (320) until it's held in place by the caliper.



Step 3: Repeat the process for the opposite side.



Step 4: Carefully remove the inner brake pad - refer to the latest version of Service Manual Y418754.

Knorr-Bremse Pneumatic Disc Brake SyT7 and Spring Brake Actuator NG4 EVO PRO**NG4 EVO PRO Actuator**

- › High-force
- › Sealed
- › Increased lifetime

SyT7 Pneumatic Disc Brake

- › Single-piston design
- › 20 kNm brake torque
- › Weight < 29 kg

Related Documents*

Y427117	Product Data Sheet
Y467029	Service Manual
Y465781	Test Report
Y502115	Up2Date

Related Documents*

Y418754	Service Manual
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* For the latest revision please refer to the website: truckservices.knorr-bremse.com

Overview Service Parts for Brake Type SyT7 (NexTT)**General Service Parts**

Rat. Caliper		K227567K50
		K227568K50
Service Kits	Guide & Seal Kit	K227067K50
	Tappet & Boot Kit	K227467K50
	Adjuster Cap Kit	K239327K50
Wear Indicator Kits		K163363K50
		K180773K50
Tool Case		K182958K50

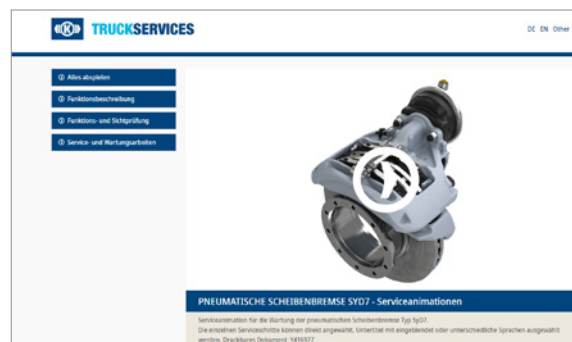
Customer Specific Service Parts

Pad Kits	Schmitz Cargobull	K227682K50
	SAF-Holland	K231769K50
	Jost	K231767K50
Brake Carrier	Schmitz Cargobull	K227032K50
	SAF-Holland	K271798K50
	Jost	K294241K50
Brake Disc	Schmitz Cargobull	K211836N50
Brake Disc (flange)	SAF-Holland	K211831N50
Brake Disc (hubless)		K211839N50

eService Manual SyT7**Have you had the chance to experience this new feature yet?**

Knorr-Bremse's Service Manuals for the latest pneumatic disc brakes are now also available in an attractive new digital format, setting new standards in the industry.

Besides SyD7, the offer has now been extended to include the latest trailer Air Disc Brake type SyT7, which can be found here via the QR code or clicking the link.



eService Manual **SyT7**: [Y528109-#](#)

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**KNORR-BREMSE****TRUCKSERVICES**

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