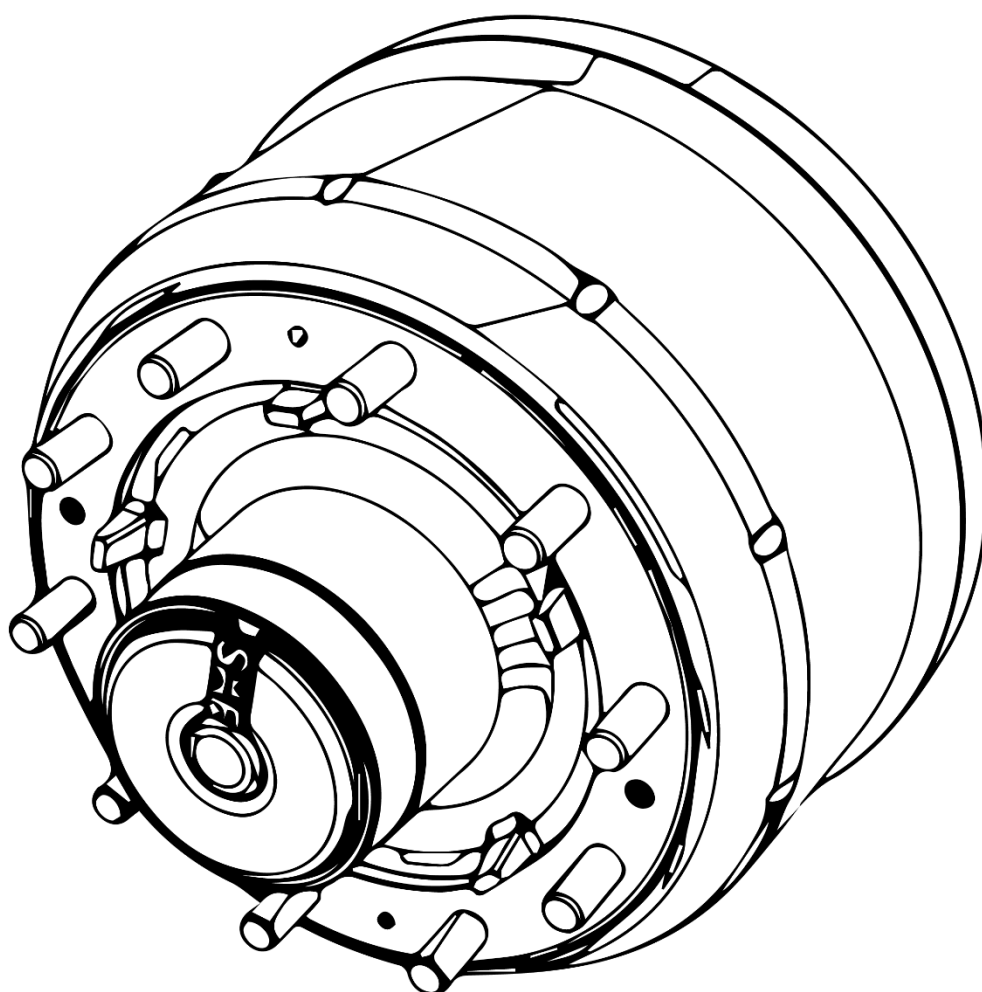


Operating recommendation for End-Users

Brake-Components



Dear customer,

This operating recommendation helps you to familiarize yourself with the products from SAF-HOLLAND with instructions for their proper use.

The manual contains important instructions on how to operate the product safely, properly, and economically. Adherence to it helps prevent hazards, faults and reduce down-time and increase the reliability and service life of the product. Read the operating manual through carefully and follow the instructions accurately.

It must be ensured that all persons operating the vehicle have availability to read these operating instructions.

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1. General information

1.1 Proper use

The product has been constructed using state-of-the-art technology and in accordance with the recognised rules of technical safety. However, its use may result in hazards for the operator or third parties or damage to the device or other objects of material value.

Proper use also includes:

- Adherence to the manual and implementation of the steps stipulated in the operating manual.
- Adherence to all maintenance and care instructions and additional inspections.
- The use of the listed consumables and their disposal in an environmentally friendly manner.

Operationally safe function can only be guaranteed if all the instructions, adjustments and performance limits for the product are adhered to.

2. Operation instructions

- 1) To maintain the performance of vehicle brake, a regular use is mandatory, in particular to counteract the reduction of friction of the brake pads. For this purpose, an adequate temperature application should take place regularly. We recommend a heat input of approx. 300°C for disc brakes and 200°C for drum brakes. This can be achieved, for example, by regularly avoiding retarder braking when the vehicle is loaded (axle load > 60%).
- 2) If the vehicle is parked for a longer period (≥ 1 month) with the parking brake applied, the brake pads on the brake disc or brake drum may rust (this period may also be shortened due to weather conditions and the condition of the brake).

To avoid or reduce this, the following measures should be taken.

- Warm up the brake before parking, to assure the brake is dry. Therefore, apply brakes several times while driving with medium deceleration.
- Do not clean the vehicle or axle components with grease/oil-dissolving cleaners before parking! This promotes corrosion on unprotected metallic surfaces.
- When parking for a longer period, avoid activating the parking brake, if necessary, use the required wheel chocks. Vehicles must be adequately secured against rolling away!

Measures to be taken before putting the vehicle back on the road:

- Apply the service brake several times,
- Release the brake and check the free movement of all wheels.
- If the wheel is stiff or blocked, even though the brake is released, remove and clean the brake pads, replace them if necessary (see operating and repair instructions).

- 3) Measures to prepare the brake for the main inspection (MOT)/ safety inspection (SP).

- a) Step: Lubricate all lubrication points of the drum brake components.
- b) Step: Running in according to chart 1

	Brake	Number of brakings	Interval	Initial speed	Final speed	Cylinder pressure	Final brake temperature
Disc brake	Disc brake 19,5"	20x	1 min.	60 km/h	40 km/h	3 bar	approx. 300°C
	Disc brake 22,5"	20x	1 min.	60 km/h	40 km/h	3 bar	approx. 300°C
Drum brake	SNK 300	5x	1 min.	60 km/h	40 km/h	3 bar	approx. 250°C
	SNK 367	20x	1 min.	60 km/h	40 km/h	3 bar	approx. 300°C
	SNK 4218	10x	1 min.	60 km/h	40 km/h	3 bar	approx. 300°C
	SNK 4220	15x	1 min.	60 km/h	40 km/h	3 bar	approx. 350°C

- c) Step: Clean the brake according to chart 2 (first allow the brake to cool down for approx. 30 min to max. 100°C)

	Brake	Number of brakings	Interval	Initial Speed	Final speed	Cylinder pressure
Disc brake	Disc brake 19,5"	10x	1 min.	60 km/h	40 km/h	3 bar
	Disc brake 22,5"	10x	1 min.	60 km/h	40 km/h	3 bar
Drum brake	SNK 300	5x	1 min.	60 km/h	40 km/h	3 bar
	SNK 367	10x	1 min.	60 km/h	40 km/h	3 bar
	SNK 4218	10x	1 min.	60 km/h	40 km/h	3 bar
	SNK 4220	15x	1 min.	60 km/h	40 km/h	3 bar

- 4) If the brake pads wear prematurely, carry out a harmonization of the truck and trailer according to ISO 20918.
- 5) New brake drums, brake discs and brake pads only have their optimum braking effect after a few braking operations. For this reason, the brake pads as well as the brake discs and brake drums must be run in.

Notes



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