

# Rhenus Norlith STM 3

## Lithium Low-Noise EP Grease – NLGI-Grade 3

### Description

**Rhenus Norlith STM 3** is a high performance EP-grease based on mineral oil, which is resistant to ageing.

### Application and Properties

**Rhenus Norlith STM 3** is suitable for lubrication of high speed anti-friction bearings, subjected to high temperatures and high pressures.

**Rhenus Norlith STM 3** is preferably used for lubrication of anti-friction bearings, if low noise properties are required.

**Rhenus Norlith STM 3** is approved by Volkswagen AG according to works standard VW TL 735X

#### Advantages:

- resistant to oxidation
- high worked stability
- water resistant
- very good corrosion protection properties
- high pressure load capacity
- low friction torque
- adhesive

### Technical Data

Thickener		Lithium-Soap
Operating temperature for long-term lubrication		-30 to +130 °C
Short time admissible temperature peak value		+150 °C
Permanent temperatures above 130 °C require regreasing at shorter intervals subject to thermal load		
Noise-Test (FAG - MGG 11)	FAG-Method	II / 1
Drop point	ASTM D 2265	> 180 °C
Worked penetration after 60 strokes	ASTM D 217	235 to 255 1/10 mm
Penetration loss after 100000 strokes		< 20 1/10 mm
Flow pressure	DIN 51 805	-30 °C / <1400 mbar
Type of base oil		Mineral oil
Base oil viscosity at 40 °C	ASTM D 445	80 mm <sup>2</sup> /s
Water resistance	DIN 51 807-01	1 – 90
SKF Emscor Test	IP 220/85	Corrosion degree 0/0
Copper Strip Test	ASTM D 4048	Corrosion degree 1 - 100
Resistance to oxidation after 100 h	ASTM D 942-70	< 0,5 bar
Oil separation (18h / 7d)	DIN 51 817 K / N	1,2% / 3,9%
FAG-FE9 - Test	DIN 51821-02-A/ 1500/6000-130	F <sub>50</sub> > 130 h
Designation	DIN 51 502	KP 3 K-30

Subject to modification of the technical data. Please refer to the material safety data sheet for additional information or contact our application engineers.

### Edition

03/07 srh