

# SPECIAL LUBRICANTS & MAINTENANCE PRODUCTS

Textile industry







The textile industry is one of the oldest industries in the world and is still a significant part of many economies. Thousands of companies manufacture a wide range of textile products from a variety of fibers - from woven, nonwovens to household and clothing textiles. Products from the textile industry are also indispensable in the transport sector. In cars, trains, airplanes or ships textiles of all kinds have to meet the highest requirements of comfort and safety. As different as the products of the textile industry may appear, one aspect unites all textile manufacturing industries: the demand for special lubrication. Due to complex machine processes, extremely high running speeds, high temperatures and other environmental influences, is it essential to use specialized lubricants to reduce wear and friction to a minimum. setral® has taken on the challenge and for many years now offers specifically developed products for the lubrication of waving and knitting as well as steaming machines, stenter frames and many other machines in the textile industry.

## Together with our customers, we keep on pulling the strings!

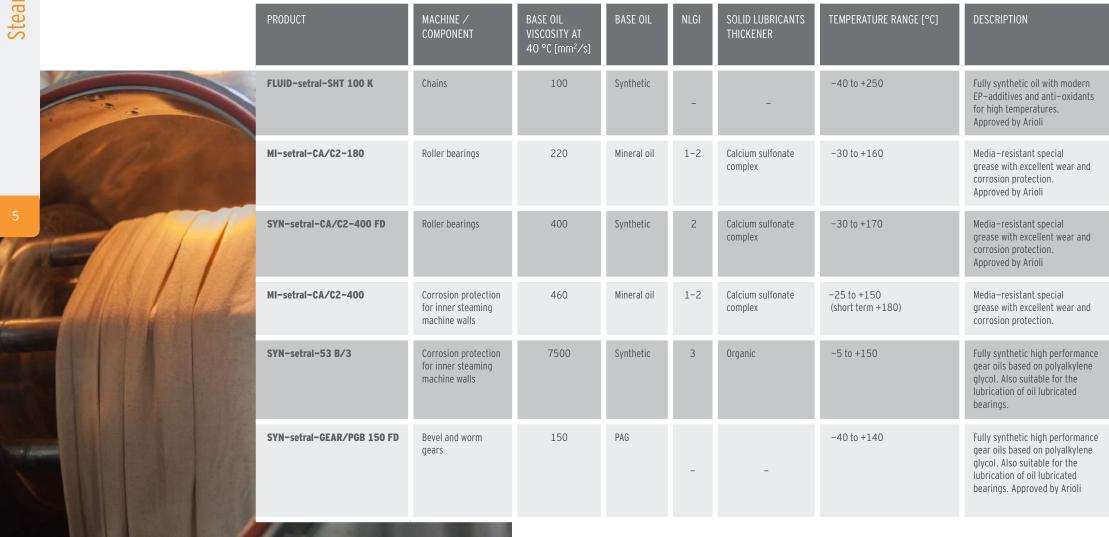
The lubricants of setral® are always perfectly adapted to the respective application. From high-temperature chain oils to fully synthetic high-performance gear oils and media-resistant special greases for maximum wear and corrosion protection setral® offers high-quality solutions for reliable lubrication. In close dialogue with costumers setral® continuously improves existing products to meet requirements of the latest generation of equipment and machinery.

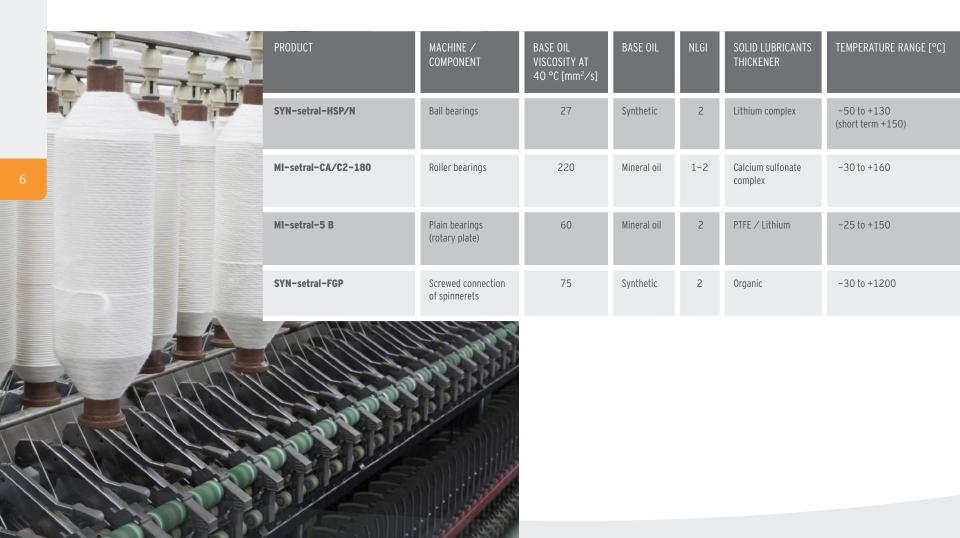
We would be pleased to advise you in a conversation about our product portfolio and the economical and technical potential from the application of setral® lubricants in your company.

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DESCRIPTION

Fully synthetic high speed and

spindle grease with ndm factor approx. 1.750.000 mm/min

grease with excellent wear and

Light-coloured, highly effective

assembly and grease paste on

Special paste for high thermal

and extreme mechanical loads

Media-resistante special

corrosion protection

PTFE basis

SYN- seri
SYN-
DIO-s

		transport chains			2		(short term +280)	for long-term lubrication, stable at high temperatures and aggressive ambience
	FLUID-setral-SHT 260 MT	Gliding rail of transport chains	260	Synthetic	-	-	-30 to +250	Fully synthetic high— temperature oil for chains and
	FLUID-setral-SHT 320 IS	Gliding rail of transport chains	320	Synthetic	-	-	-30 to +250	Fully synthetic chain oil with EP additives for high temperatures
	SYN-setral-PU 2	Roller bearing in electric engins	100	Synthetic	2	Urea	-40 to +180	Fully synthetic low and high— temperature grease for long— term lubrication
	SYN-setral-GEAR/PGB FDseries	Bevel and worm gears	150 220 320 460 680	PAG	-	-	-40 to +140	Fully synthetic high performance gear oils based on polyalkylene glycol. Also suitable for the lubrication of oil lubricated bearings
	SYN-setral-GEAR Nseries	Spur and bevel gears	150 220 320 460 680	PAO	-	-	-40 to +150 (short term +180)	Fully synthetic high performance gear oil with selected EP additives
	DIO-setral-57 N (Spray)	Width adjust screws	-	-	-	MoS <sub>2</sub> / Inorganic	-200 to +450 (short term +500)	Air-drying MoS <sub>2</sub> based dry lubricant
70								

BASE OIL

PFPE

PFPE

BASE OIL

VISCOSITY AT

40 °C [mm<sup>2</sup>/s]

500

420

MACHINE /

COMPONENT

Slide bearings /

transport chains

Slide bearings /

SYN-setral-INT/250 A ...series

SYN-setral-INT/250 L ...series

SOLID LUBRICANTS

THICKENER

PTFE

PTFE

0

2

TEMPERATURE RANGE [°C]

-40 to +250

-40 to +250

(short term +280)

DESCRIPTION

Fully synthetic special grease

stable at high temperatures and aggressive ambience

Fully synthetic special grease

for long-term lubrication,

PRODUCT	MACHINE / COMPONENT	BASE OIL VISCOSITY AT 40 °C [mm²/s]	BASE OIL	NLGI	SOLID LUBRICANTS THICKENER	TEMPERATURE RANGE [°C]	DESCRIPTION
SYN-setral-HSR	Spindle can bearings and belt guide rollers	15	Synthetic	2	Lithium	-50 to +120	Semi-synthetic special grease for slide and roller bearings operating at high speed
SYN-setral-HSP/N	Spindle can bearings and belt guide rollers	27	Synthetic	2	Lithium complex	-50 to +130 (short term +150)	Fully synthetic high speed and spindle grease with ndm factor approx. 1.750.000 mm/min
SYN-setral-LI/S 2	Spindle can bearings and belt guide rollers	27	Synthetic	2	Lithium	-50 to +130 (short term +150)	Fully synthetic low-temperature grease for long-term lubrication
SYN-setral-43 B/N	Thread guides / camshafts—traverses	30	Synthetic	2	PTFE / Lithium	-50 to +140	Fully synthetic special grease with white solid lubricants for a wide temperature range
SYN-setral-HSR	Thread guides / camshafts-traverse	15	Synthetic	2	Lithium	-50 to +120	Semi-synthetic special grease for slide and roller bearings operating at high speed
SYN-setral-HSP/N	Thread guides / camshafts—traverses	27	Synthetic	2	Lithium complex	-50 to +130 (short term +150)	Fully synthetic high speed and spindle grease with ndm factor approx. 1.750.000 mm/min
PRO-setral-G 1858 FD	Travelling knotters / splicers	25	Synthetic	-	-	-40 to +70 (short term +80)	Grease-like anticorrosive agent for temporary protection



2	calcium suifonate complex	-30 to +170	for bearings under heavy load with excellent wear, corrosion protection and water washout properties
1-2	Calcium sulfonate complex	-30 to +160	Media-resistant special grease for bearings under heavy load with excellent wear, corrosion protection and water washout properties
-	-	-10 to +120	Mineral oil based high— performance gear oil with selected EPL additive technology. Also suitable for the lubrication of oil lubricated bearings

TEMPERATURE RANGE [°C]

DESCRIPTION

BASE OIL

Synthetic

Mineral oil

Mineral oil

400

220

SOLID LUBRICANTS

	PRODUCT	MACHINE / COMPONENT	BASE OIL VISCOSITY AT 40 °C [mm²/s]	BASE OIL	NLGI	SOLID LUBRICANTS THICKENER	TEMPERATURE RANGE [°C]	DESCRIPTION
	COVA-setral-SMGseries	Screw compressors	32 46 68	Synthetic	-	-	-25 to +120	Fully synthetic high performance oil for air compressors
	CLEAN-setral-AN/U	Bearings / machine parts	-	Synthetic	-	-	-40 to +40	High-performance cleaner and degreaser
	CLEAN-setral-CST	Work pieces and machine parts	-	Synthetic	-	-	-20 to +40	General slow evaporating cleaner and degreaser
	PRO-setral-KS	Chains / ropes / joints / spindles	-	Synthetic	-	-	-40 to +80	Low-viscous special fluid for corrosion protection of metallic surfaces
	SI-setral-5 X	Sliding of plastic / plastic and plastic / metal friction pairings	275	Silicone oil	-	-	-40 to +200	Synthetic, transparent H1- lubricating and separating agent, based on silicone oil
	SYN-setral-GEAR/PGMseries	Spur, bevel and worm gears	150 220 320 460 680	PAG	-	-	-30 to +180	Fully synthetic, high performance gear oil based on polyalkylene glycol
	COVA-setral-PGB/Gseries	Crankcases and bearings	100 150 190	PAG	-	-	-35 to +175	Fully synthetic compressor oil for gas compressors
Mis	MI-setral-HPP 1200 S	Screwed connections – antiseize	490	Mineral oil	1-2	Organic	-30 to +1200	Special paste for high thermal and extreme mechanical loads
A(2-1)	GLIS-setral-SQ (Spray)	Screwed connections – release	-	Synthetic	-	-	-20 to +80	Fast acting synthetic penetrating oil



## Successful in more than 80 countries with satisfied customers





All information in this document is based on our general experience at the date of the publication and thus is merely intended to give general note for possible applications. However, the contents do not guarantee the suitability of a product for an individual case and do not contain any guarantees of characteristics. The variety of possible applications requires to always run corresponding tests by the user before general application. Our products are continuously developed further. Therefore we reserve the right to always change the technical data of our products at any time without prior notice. Misprints and alterations reserved. Copyright: Setral Chemie GmbH (Germany). setral® = registered trademark.

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DIN EN ISO 21469 and DIN EN ISO 14001.