



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, it is 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 customers 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.



PRODUCT	MACHINE / COMPONENT	BASE OIL VISCOSITY AT 40 °C [mm²/s]	BASE OIL	NLGI	SOLID LUBRICANTS THICKENER	TEMPERATURE RANGE [°C]	DESCRIPTION
FLUID-setral-KN 1436 ...series	Needles	22 32 46	Mineral oil	–	–	–10 to +100	Fully washable textile machine oils for circular knitting machines
FLUID-setral-SE 20 FD	Stich-forming elements, gears and bearings	20	Synthetic	–	–	–10 to +190	Fully synthetic running-in oil which quickly removes wear particles
MI-setral-5 B	Plain bearings	60	Mineral oil	2	PTFE / Lithium	–25 to +150	Light-coloured, highly effective assembly and grease paste on PTFE basis
SYN-setral-43 B/N	Slide rails	30	Synthetic	2	PTFE / Lithium	–50 to +140	Fully synthetic special grease with white solid lubricants for a wide temperature range





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MI-setral-LI/PD 1	Flywheels / crosshead axles	120	Mineral oil	1	Lithium	-35 to +140	High-pressure grease without solids, with EPL additive technology
MI-setral-CA/C2-180	Friction points with oscillating movement	220	Mineral oil	1-2	Calcium sulfonate complex	-25 to +160	Media-resistant special grease with excellent wear and corrosion protection
MI-setral-LI/C 2	Friction points with oscillating movement	160	Mineral oil	2	Lithium complex	-20 to +150 (short term +180)	Lithium complex grease based on mineral oil for a wide range of applications
SYN-setral-GEAR N ...series	Gears of jacquard and weaving machines	150 220 320 460 680	PAO	-	-	-40 to +150 (short term +180)	Fully synthetic high performance gear oil with selected EP additives
FLUID-setral-SHT 2000 MT	Chains	2000	Synthetic	-	-	-5 to +220	Fully synthetic high-temperature oil for chains and

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FLUID-setral-SHT 100 K	Chains	100	Synthetic	–	–	–40 to +250	Fully synthetic oil with modern EP-additives and anti-oxidants for high temperatures. Approved by Arioli
MI-setral-CA/C2-180	Roller bearings	220	Mineral oil	1–2	Calcium sulfonate complex	–30 to +160	Media-resistant special grease with excellent wear and corrosion protection. Approved by Arioli
SYN-setral-CA/C2-400 FD	Roller bearings	400	Synthetic	2	Calcium sulfonate complex	–30 to +170	Media-resistant special grease with excellent wear and corrosion protection. Approved by Arioli
MI-setral-CA/C2-400	Corrosion protection for inner steaming machine walls	460	Mineral oil	1–2	Calcium sulfonate complex	–25 to +150 (short term +180)	Media-resistant special grease with excellent wear and corrosion protection.
SYN-setral-53 B/3	Corrosion protection for inner steaming machine walls	7500	Synthetic	3	Organic	–5 to +150	Fully synthetic high performance gear oils based on polyalkylene glycol. Also suitable for the lubrication of oil lubricated bearings.
SYN-setral-GEAR/PCB 150 FD	Bevel and worm gears	150	PAG	–	–	–40 to +140	Fully synthetic high performance gear oils based on polyalkylene glycol. Also suitable for the lubrication of oil lubricated bearings. Approved by Arioli



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SYN-setral-HSP/N	Ball bearings	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
MI-setral-CA/C2-180	Roller bearings	220	Mineral oil	1-2	Calcium sulfonate complex	-30 to +160	Media-resistente special grease with excellent wear and corrosion protection
MI-setral-5 B	Plain bearings (rotary plate)	60	Mineral oil	2	PTFE / Lithium	-25 to +150	Light-coloured, highly effective assembly and grease paste on PTFE basis
SYN-setral-FGP	Screwed connection of spinnerets	75	Synthetic	2	Organic	-30 to +1200	Special paste for high thermal and extreme mechanical loads

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SYN-setral-INT/250 A ...series	Slide bearings / transport chains	500	PFPE	0 1 2	PTFE	-40 to +250 (short term +280)	Fully synthetic special grease for long-term lubrication, stable at high temperatures and aggressive ambience
SYN-setral-INT/250 L ...series	Slide bearings / transport chains	420	PFPE	1 2	PTFE	-40 to +250 (short term +280)	Fully synthetic special grease 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 engines	100	Synthetic	2	Urea	-40 to +180	Fully synthetic low and high-temperature grease for long-term lubrication
SYN-setral-GEAR/PGB FD ...series	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 N ...series	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 ₂ / Inorganic	-200 to +450 (short term +500)	Air-drying MoS ₂ based dry lubricant



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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



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SYN-setral-CA/C2-400 FD	Roller bearings, heavy loaded bearings, bearings for cylinders	400	Synthetic	2	Calcium sulfonate complex	-30 to +170	Media-resistant special grease for bearings under heavy load with excellent wear, corrosion protection and water washout properties
MI-setral-CA/C2-180	Roller bearings, heavy loaded bearings, bearings for cylinders	220	Mineral oil	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
MI-setral-GEAR EPL ...series	Gear boxes	150 220 320 460 680	Mineral oil	-	-	-10 to +120	Mineral oil based high-performance gear oil with selected EPL additive technology. Also suitable for the lubrication of oil lubricated bearings



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COVA-setral-SMG ...series	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/PGM ...series	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/G ...series	Crankcases and bearings	100 150 190	PAG	–	–	–35 to +175	Fully synthetic compressor oil for gas compressors
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
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).
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