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Klüber Lubrication Grease Products

Greases



Product portfolio greases

AMBLYGON		Klüber Noxlub		NOSOL	
BARRIERTA		Klüberplex		OPTAPLUS	
CENTOPLEX		Klüberquiet		PARALIQ	
COSTRAC		Klüberrail		PETAMO	
GRAFLOSCON		Klüberspeed		POLYLUB	
ISOFLEX		Klübersustain		STABURAGS	
Klüberalfa		Klübersynth		STRUCTOVIS	
Klüberbeta		Klübertemp		UNIGEAR	
Klüberbio		Klüberterm		UIMOLY	
Klüberfood		METALLSTAR		UNISILKON	
Klübergrease		MICROLUBE		VARILUB	
Klüberlectric		MIKROZELLA			
Klüberlub		NONTROP			





KL Nomenclatur - Greases (e.g. Klüberplex BEM 31- 222)






Klüber	plex		BEM	3		1		220+ 2	
	Alfa	PFPE Oils	A dhesive	1	Al/Al-Complex	1	Mineral	ISO VG 5	NLGI 000
	Beta	Silicon Oils	B earing	2	Ba/Ba-Complex	2	Ester	ISO VG 7	NLGI 00
	Bio	Biodegradability, OEC`D	C hain	3	Ca/Ca-Complex	3	PFPE	ISO VG 10	NLGI 0
	Food	NSF registered, H1	D epot: sintered bearing	4	Li/Li-Complex	4	PAO	ISO VG 15	NLGI 1
	Lectric	Electric conductive	E xtreme pressure: EP Additives	5	Na/Na-Complex	5	Polyether	ISO VG 22	NLGI 2
	Lub	Mineraloil, relubrication	F ast: high speed	6	Bentonit/GEL	6	Polyglycol	ISO VG 32	NLGI 3
	Pharma	Synthetic, FDA reg, H1	G ear	7	Polyurea	7	Silicon	ISO VG 46	NLGI 4
	Plex	Complex Soap	H igh temperature	8	Synthetic (PTFE)	8	Andere	ISO VG 68	NLGI 5
	Quiet	Noise reduction	I nstrument	9	Others	9	Natur	ISO VG 100	NLGI 6
	Rail	Railways, Bio	J oints					ISO VG 150	
	Speed	High speedfactor	K ontakt: electrical switches					ISO VG 220	
	Synth	Fully syntetic	L ow temperature					ISO VG 320	
	Temp	PFPE/PTFE, accom. BARRIERTA family	M ulti Purpose					ISO VG 460	
			N SF H1: food/pharma					ISO VG 680	
			O pen application					ISO VG 1000	
			P ermanent					ISO VG 1500	
			R ubber: elastomer compatibility						
			S crews						
			T extile						
			U SDA H1: food/pharma						
			V alve						
			W ater soluble						
			X chemicals/solvents						
			Y oxygen						
			Z cleaning, dissolving effects						

Products Greases, AMBLYGON® , ASONIC®







	Product	Composition		Benefits	Temp	USP
	AMBLYGON TA 15-2	Polyurea	Mineraloil	Long service life, even when exposed to water, water steam and media. Excellent adhesion, good corrosion protection and good sealing properties	-20 until 150	Special grease for long-term and high temperature
	AMBLYGON TA 30-1, TA 30-2	Polyurea	Mineraloil	Good resistance to ambient media, water and water steam Good corrosion protection, good adhesion and sealing effect	-20 until 160	Special grease for long-term and high temperature

	Product	Composition		Properties	Temp	USP
	ASONIC® GHY 72	Polyurea	Esteroil	Extended service temperature range, very pure, low noise operation	-40 until 180	Synthetic lubricating grease for long-term or lifetime lubrication of rolling bearings
	ASONIC® GLY 32	Lithium-soap	Esteroil/SHC	Low-temperature rolling bearing grease, synthetic lubricant, low noise, high purity, low frictional torque, Speed factor 1 000 000 mm/min	-50 until 140	Low-temperature lubricating grease for high-speed, low-noise rolling bearings
	ASONIC® HQ 72-102	Polyurea	Esteroil	High-temperature lubricating grease for rolling bearings, high purity, low noise, good water resistance Speed factor 700 000 mm/min	-40 until 180	High-temperature lubricating grease for low-noise rolling bearings



Products Greases, BARRIERTA®




	Product	Composition		Benefits	Temp	USP
	BARRIERTA® GTE 403	PTFE	PFPE	Long-term and lifetime lubricant for rolling bearings, wide service temperature range, neutral towards most elastomers and plastics, resistant to water and chemicals, for the lubrication of contacts, e.g. plug-in contacts	-35 until 260	High-temperature lubricating grease
	BARRIERTA® I Reihe S-402, MI- 202, L-162, EL-102	PTFE	PFPE	Long-term availability and service life of components over a wide service temperature range up to 260° C, when exposed to aggressive chemical agents and vapors, when using sensitive plastic materials, tried and tested over many years in numerous industries and component types;	-50 until 260	High-temperature greases with good long-term characteristics
	BARRIERTA® L 25 DL	PTFE	PFPE	Special lubricating grease for plastic/plastic sliding material combinations. Lubrication of rolling and sliding bearings as well as of slide ways. Wide range of applications owing to good compatibility with plastics and elastomers. Good resistance to water	-40 until 15 0	Special lubricating grease for different materials used in precision engineering
	BARRIERTA® L 55 Reihe, 55/0, 55/1, 55/2, 55/3	PTFE	PFPE	Higher machine availability and less need for maintenance at very high operating temperatures up to 260° C, under the influence of aggressive media and vapors where other lubricants might affect sensitive plastic component. Tried and tested over many years in numerous industries and component .	-40 until 260	High-temperature long-term greases

Products Greases, BARRIERTA®, CATENERA®









	Product	Composition		Benefits	Temp	USP
	BARRIERTA® L 55 3 HV ST	PTFE	PFPE	Long-term lubricant for valves. Wide service temperature range from – 25° C to 260° C. Very resistant to chemicals, aggressive media, hot water, boiling water and steam. Good sealing effect, synthetic resistant o high loads in case of low to medium speeds	-25 until 260	Special lubricating grease for valves eg under vacuum
	BARRIERTA® KM 192, KL 092	PTFE	PFPE	Long component life over a wide service temperature range; when exposed to aggressive chemical agents; due to a long calculated grease life. Improved component performance, due to low starting torques even at low temperatures, due to resistance to high speeds, due to friction values being largely independent of temperature	-65 until 260	High-temperature and long-term lubricants with good resistance to low temperatures

	Product	Composition		Benefits	Temp	USP
	CATENERA KSB 6/8/12	Silicate	White oil/PAO	<ul style="list-style-type: none"> – More comfortable operation (haptics) of mechanical components as friction points are dampened by the lubricant – More comfortable operation (haptics) of mechanical components as friction points are dampened by the lubricant – Better component function e.g. due to good adhesion retaining the lubricant at the friction point – CATENERA KSB 8 is certified according to NSF ISO 21469 	-30 until 120	Adhesive dampening greases of medium to high shear viscosity

Products Greases, CENTOPLEX®





	Product	Composition		Benefits	Temp	USP
	CENTOPLEX DL, 1 DL, 2 DL	Lithium-Calcium-Soap	Mineraloil	Dynamically light, long-term lubrication of simple applications, multi-purpose greases, excellent corrosion protection	-45 until 80	Low-temperature greases for rolling and plain bearings
	CENTOPLEX 2, 3	Lithium-Soap	Mineraloil	Long-term lubrication of simple applications	-30 until 130	Multi-purpose greases for rolling and plain bearings
	CENTOPLEX 2 EP	Lithium-Soap	Mineraloil	Good corrosion protection, shear stable	-20 until 130	Multi-purpose grease with EP additives
	CENTOPLEX CX 3-350	Lithium-Soap	Mineraloil	Special lubricating grease for the automotive industry, low starting and running torque, shear stable and water-resistant	-40 until 120	Shear stable special greases
	CENTOPLEX CX 4 375 AU	Lithium-Soap	Mineraloil	For small gears subject to high peripheral speeds, shear stable and good oil separation at low temperatures	-30 until 120	High-speed grease for gears
	CENTOPLEX GLP 500	Lithium-Soap	Mineraloil	High pressure absorption capacity, applicable through central lubrication systems, especially single-line lubrication systems	-30 until 100	Fluid multipurpose grease for long-term lubrication

Products Greases, COSTRAC®







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	Product	Composition		Benefits	Temp	USP
	CENTOPLEX H0	Lithium-Soap	Mineraloil	Good low-temperature behaviour, excellent corrosion protection properties, resistant to oxidation	-30 until 100	Multi-purpose grease

	Product	Composition		Benefits	Temp	USP
	COSTRAC AK 0	Al-Complex-Soap	Mineraloil	Good water resistance, high wear protection, easy pumpability in central lubrication systems	-20 until 100	Fluid grease for rolling and plain bearings subject to high loads





Products Greases, GRAFLOSCON®



	Product	Composition		Benefits	Temp	USP
	GRAFLOSCON® A-G 1 ULTRA	Al-Complex-Soap (graphite)	Mineraloil	Ready-to-use product, high load-carrying capacity and adhesiveness, prevents metal-to-metal contact of tooth flanks, priming and contrast lubricant, for determining the parallel alignment of tooth flanks	/	Priming and contrast lubricant containing graphite for open drives
	GRAFLOSCON® B-SG 00 ULTRA	Al-Complex-Soap (graphite)	Mineraloil	GRAFLOSCON B-SG 00 ULTRA reduces surface roughness and improves tooth flank quality thus contributing to a longer service life of drives and reduced maintenance costs.	/	Running-in lubricant for open drives
	GRAFLOSCON® CA ULTRA-SPRAY	Al-Complex-Soap (graphite)	Mineraloil	Extremely adhesive, resistant to high pressure, easy straightforward application	/	Adhesive lubricant containing graphite
	GRAFLOSCON® C-SG 0 ULTRA	Al-complex-Soap (graphite)	Mineralöl	Easy application, suitable for small gears and surfaces, can carry high loads, suitable as an assembly aid, free from bitumen, heavy metals and chlorine and CFC	/	Adhesive lubricant containing graphite





Products Greases, GRAFLOSCON®



	Product	Composition		Benefits	Temp	USP
	GRAFLOSCON® C-SG 1000 ULTRA	Al-Complex- Soap (graphite)	Mineraloil	Free from heavy metals, solvents and chlorine, ready-to-use, easy application through spraying systems, excellent tooth flank protection, especially suitable for application under warm climatic conditions, lubricating film effective for a long period of time	/	Operational lubricant for open drives
	GRAFLOSCON® C-SG 2000 ULTRA	Al-Complex- Soap (graphite)	Mineraloil	Free from heavy metals, solvents and chlorine, ready-to-use, easy application through spraying systems, excellent tooth flank protection, especially suitable for application under warm climatic conditions, lubricating film effective for a long period of time	/	Operational lubricant for open drives
	GRAFLOSCON® C-SG 500 PLUS	Al-Complex- Soap (graphite)	Mineraloil	Operational lubricant for open drives, sliding and guide rails, rubbing seals, no lead additives, can be applied through automatic spraying equipment, suitable for increased component temperatures	/	Adhesive lubricant
	GRAFLOSCON® D-SG 00 ULTRA	Al-Complex- Soap (graphite)	Mineraloil	Ready for use, applied to the drive at full load capacity, no subsequent cleaning, economic consumption, free from solvents, bitumen, heavy metals	/	Repair lubricant for open drives







Products Greases, ISOFLEX®



	Product	Composition		Benefits	Temp	USP
	ISOFLEX® ALLTIME SL 2	Lithium-Soap	Esteroil	For a wide service temperature range, resistant to ageing and oxidation, good corrosion protection, low starting and running torques, for high speeds	-50 until 150	Dynamically light special grease
	ISOFLEX® LDS 18 SPECIAL A	Lithium-Soap	Esteroil +Mineraloil	Long service life due to good corrosion protection as well as ageing and oxidation stability, hence cost savings, tried and tested for many years, especially at high speeds and low temperatures, low heating-up of bearings due to low lubricant friction leading to longer service lives	-50 until 120	Dynamically light, long-term lubricating grease
	ISOFLEX® NBU 15	Barium-Complex-soap	Esteröl +Mineralöl +SHC	Tried and tested over many years especially in high-speed applications, longer component life due to optimized wear protection and good pressure absorption capacity, excellent resistance to water and media as well as above-average anticorrosive additives. low intrinsic bearing heat due to low lubricant friction. Good pumpability and metering in customary centralized lubricating systems	-40 until 130	Spindle bearing grease
	ISOFLEX® NCA 15	Spezial-Calcium-Soap	Esteroil +Mineraloil +SHC	Longer rolling bearing life due to good wear protection, water resistance and pressure absorption capacity, tried and tested over many years especially in high-speed and low-temperature applications, low heating-up of bearings due to low lubricant friction	-50 until 120	Spindle bearing grease






Products Greases, ISOFLEX®



	Product	Composition		Benefits	Temp	USP
	ISOFLEX® PDB 38 CX 1000	Lithium-Soap	Esteroil +Mineraloil	Dynamically light fluid grease, suitable for low temperatures, good wetting properties, reduced heating-up of machine elements, noise-dampening, low starting and running torques	-40 until 120	Low-temperature fluid grease
	ISOFLEX® PDL 300 A	Lithium-Soap	Esteroil +Mineraloil	For low temperatures, uniformly low starting and running torque, resistant to ageing and oxidation good corrosion protection	-70 until 110	Heavy-duty grease for rolling bearings operating at low temperatures
	ISOFLEX® SUPER LDS 18 	Lithium-Soap	Esteroil +Mineraloil	Low and smooth-running grease for high performance, long service life due to good corrosion protection as well as ageing and oxidation stability, hence cost savings Possible, low heating-up of bearings due to low lubricant friction leading to longer service lives	-50 until 120	High-speed and smooth-running grease
	ISOFLEX® SUPER TEL 	Lithium-Soap	Esteroil +Mineraloil	Low-friction grease with emergency lubricating properties, efficient lubricating film, good corrosion protection, long maintenance intervals, clean lubrication	-55 until 60	Low-friction grease







Products Greases, ISOFLEX®



	Product	Composition		Benefits	Temp	USP
	ISOFLEX® TEL 3000 ALTEMP	Lithium-Soap	Esteroil +Mineraloil	Low-friction grease with emergency lubricating properties, efficient lubricating film, good corrosion protection, long maintenance intervals, clean lubrication	-45 until 60	Low-friction grease
	ISOFLEX® TOPAS AK 50	Aluminium- Complex- Soap	SHC	Lubricant for plastic components, high-speed grease, good corrosion protection, resistant to oxidation and ageing, good surface wetting	-50 until 120	Low-temperature lubricating grease for plastic components
	ISOFLEX® TOPAS L 152	Lithium-Soap	SHC	Wide service temperature range and excellent low-temperature stability owing to the special synthetic base oil. Recommended for roller bearings due to the adequate oil separation behaviour, particularly under sliding friction conditions	-50 until 150	Rolling bearing grease for a wide service temperature range
	ISOFLEX® TOPAS L 30	Lithium-Soap	SHC	Synthetic low-temperature grease, good corrosion protection, resistant to ageing and oxidation, suitable for high speeds. biodegradability	-60 until 120	Low-temperature grease
	ISOFLEX® TOPAS L 32, L 32 N ISOFLEX® TOPAS L 32 N SPRAY	Special- Lithium-Soap	SHC	Exceed OEM requirements of -40 ° C, long service life due to high corrosion protection and resistance to oxidation and ageing. Many years of successful use in the automotive industry (specified and approved by most car manufacturers and component suppliers worldwide)	-60 until 130	Special low-temperature greases



Products Greases, ISOFLEX®



	Product	Composition		Benefits	Temp	USP
	ISOFLEX® TOPAS L 3-600	Lithium-Soap	SHC	Dynamically light , resistant to ageing and oxidation, good corrosion protection, good wetting power	-60 until 120	Synthetic fluid grease
	ISOFLEX® TOPAS NB 5051	Barium-Complex-Soap	SHC	Wide service temperature range, low starting and running torque, good wear and corrosion protection, resistant to oxidation and ageing	-60 until 150	Synthetic long-term grease
	ISOFLEX® TOPAS NB 52, NB 152, NB 52 Spray	Barium-Complex-Soap	SHC	Longer component life when exposed to water or aqueous media due to special thickener, many years of successful use in the automotive and machine building industries	-50 until 150	Synthetic rolling and plain bearing greases
	ISOFLEX® TOPAS NCA 152	Special-Calcium-Soap	SHC	Wide service temperature range, good wear protection, and resistant to oxidation and ageing	-40 until 140	Synthetic grease for plain and rolling bearings
	ISOFLEX® TOPAS NCA 5051	Special-Calcium-Soap	SHC	Wide temperature range especially low starting and running torque, lubricant film spreads particularly well. Good protection against wear, anticorrosion properties resistant to ageing	-50 until 140	Synthetic long-term grease
	ISOFLEX® TOPAS NCA 51	Special-Calcium-soap	SHC	Very low starting and running torque even at low temperature . Lubricating film spreads particularly well. Good wear, anti-corrosion properties, resistant to ageing. Excellent low-temperature behaviour	-50 until 140	Synthetic low-temperature and long-term grease






Products Greases, ISOFLEX®



	Product	Composition		Benefits	Temp	USP
	ISOFLEX® TOPAS NCA 52	Special- Calcium- Soap	SHC	Reduced maintenance due to long-term or lifetime lubrication. Reliable operation and many years of practical experience. Wide application range even with high loads. Low starting and running torques particularly at low temperatures ensure high efficiency and energy savings. Longer component life due to good wear protection	-50 until 130	Synthetic long-term grease for rolling and plain bearings, linear motion guides
	ISOFLEX® TOPAS OPN 4	Barium- Complex- Soap	SHC	Thread and sealing grease. Wide service temperature range. Resistant to oxidation and ageing. Good sliding friction properties at low temperatures and good corrosion protection	-35 until 150	Synthetic thread and sealing grease







Products Greases, Klüberalfa®



	Product	Composition		Benefits	Temp	USP
	Klüberalfa® BF 83-102	PTFE	PFPE	Allows new applications in high-speed bearings lubricated with grease due to better thermal stability, NSF-H1 registration	-50 until 200	Lubricating grease for high temperatures and speeds
	Klüberalfa® BHR 53-402	Na-Complex-Soap	PFPE	High-temperature long-term grease up to 260 ° C, good anticorrosion properties, excellent antiwear properties (VKA welding force > 5000 N). Can be removed without CFCs	-40 until 260	High-temperature long-term lubricating grease
	Klüberalpha GR CR 2610	PTFE	PFPE	High oil release for high speed and limited grease volume, low start-up torques even at low temperatures, for applications exposed to aggressive media	/	Long-term grease for high-speed applications
	Klüberalfa GR Y VAC 1,2,3	PTFE	PFPE	Low evaporation under vacuum conditions, high thermal stability, good resistance to aggressive media, neutral towards plastic materials	-20 until 250	Special greases for vacuum applications
	Klüberalfa GR ZLHT	PTFE	PFPE	Long component life over a wide service temperature range, in contact with aggressive media, where sensitive plastic materials are used under vacuum	-65 until 200	Long-term lubricant for a wide temperature range







Products Greases, Klüberalfa®



	Product	Composition		Benefits	Temp	USP
	Klüberalfa GR ZNF 	PTFE	PFPE	Wide service temperature range, very high evaporation stability, for applications under vacuum conditions, good adhesion to many materials, chemically inert to avoid undesirable reactions	-60 until 200	Long-term grease for extreme requirements
	Klüberalfa® HBK 83-102	PTFE	PFPE	Wide service temperature range, low evaporation rate, high resistance to aggressive media, neutral towards plastics and elastomers	-50 until 180	High-temperature lubricating grease for electrical contacts and bearings
	Klüberalfa® HM 83-801	PTFE	PFPE	High-temperature lifetime grease – Almost neutral in odour – Good dampening properties – Suitable for high surface pressures – Excellent high-temperature stability – Low vapour pressure	until 280	High-temperature long-term and lifetime lubricating grease
	Klüberalfa® HPX 93-1202	Solid Lubricants	PFPE	Allows application at temperatures up to 300 ° C. Longer component life possible due to very low evaporation rate. NSF ISO 21469 certified -	until 300	High-temperature lubricant for applications with extreme requirements
	Klüberalfa® HX 83-302	PTFE	PFPE	Extremely wide service temperature range, low friction torques, low evaporation rate, excellent long-term stability, resistant against aggressive media and ultra-high vacuum conditions, absolute neutral towards plastic materials and low gasification, no VOC (Volatile Organic Compounds) emission	-60 until 240	Long-term lubricating grease for seals, guides and rolling bearings subject to high thermal stress



Products Greases, Klüberalfa®



	Product	Composition		Benefits	Temp	USP
	Klüberalfa® IR 83-22	PTFE	PFPE	Where sensitive plastic materials are used, low friction value, low temperatures, anti stick-slip behaviour	-40 until 80	Long-term and low-temperature lubricating grease for application points subject to aggressive media
	Klüberalfa® K 83-735	PTFE	PFPE	Resistant to most organic and inorganic acid and alkaline solutions as well as organic solvents, e.g. gasoline vapours. Neutral towards most elastomers and plastics in the automotive sector	-40 until 260	Special dispersion for the lubrication of plug-in contacts
	Klüberalfa® PI 83-271	PTFE	PFPE	Accurate positioning and sliding motion over long operating times, due to low breakaway torques over a wide temperature range. "Smart" oil release reducing stick.	-60 until 200	Inert grease for sensitive friction pairings
	Klüberalfa® RM 93-101	Anorganic Thickener	PFPE	Optimised noise behaviour of moving polymer components. Improved polymer surface finish as components look, sound and feel better. Protection of surfaces against premature UV ageing	-40 until 100	PFPE-based surface finishing gel
	Klüberalfa® XP 83-500	PTFE	PFPE	Very good stability to aggressive chemicals. NSF-H1 registration. Low evaporation rate	-15 until 260	Long-term, media-resistant fluid grease
	Klüberalfa® YV 93-1202	Solid Lubricant	PFPE	Pressure up to 450 bar at max. 60 ° C due to large reserve oxygen pressure surge resistance. Individual batch BAM certificates of pressure surge resistance. Also suitable for installations carrying liquid oxygen	-60 until 200	Premium sliding agent for valves, fittings and installations for oxygen under extreme pressure

Products Greases, Klüberalfa®






	Product	Composition		Benefits	Temp	USP
	Klüberalfa® YV 93- 302	Solid Lubricant	PFPE	High oxygen pressure surge resistance up to 300 bar at max. 60 ° C for industrial handling of aggressive gases. For maintenance and care of breathing apparatus in e.g. diving equipment. Also suitable for installations carrying liquid oxygen	-60 until 260	High-pressure lubricant for valves and fittings carrying oxygen
	Klüberalfa® YVI 93-152	PTFE	PFPE	High component performance due to low friction values in sliding contact, reduced stick-slip tendency and low gasification, no VOC emission	-60 until 200	Inert and vacuum grease with low gasification

Products Greases, Klüberbeta®










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	Product	Composition		Benefits	Temp	USP
	Klüberbeta® RM 47-102	Special-Lithium-Soap	Siliconoil	Low emissions and fogging values in vehicle passenger compartments. Good low-temperature behaviour and wide service temperature range. Compatible with a wide range of elastomers and plastics.	-50 until 180	Speciality lubricant for elastomers, duroplastics and thermoplastics
	Klüberbeta® VR 67-17002	Silicat	Siliconoil	Friction and wear reduction in most material combinations, prevents stick-slip and provides balanced damping of operation. Certified for use in drinking water and beverage taps according to UBA (German Environmental Agency) guideline (KTW), NSF 61, WRAS, ACS, Belgaqua, AS 4020, NSF H1 (NSF ISO 21469 certified)	-40 until 160	Special soft grease for sanitary and heating valves and taps
	Klüberbeta® VR 67-3500	PTFE	Siliconoil	Compatibility with most standard elastomers and plastics. Certified for use in drinking water and beverage taps according to UBA (German Environmental Agency) guideline (KTW), NSF 61, WRAS, ACS, AS 4020.NSF H1 registered supporting process reliability	-40 until 140	Special soft grease for sanitary, beverage and heating valves and taps






Product Greases, Klüberbio®



	Product	Composition		Benefits	Temp	USP
	Klüberbio® AG 39-602 	Ca-C	Renewable Esteroil	Complies with the requirements for Vessel General Permit, good adhesion and water resistance for long relubrication intervals Selected additives ensure longer component life and reduced wear. Corrosion protection under seawater influence	-20 until 100	Environmentally acceptable adhesive lubricant for open gears and steel cables
	Klüberbio® ALO 32-4000	Calcium-Complex-Soap	Esteroil	Trouble-free operation due to low friction resistance over a wide temperature range, good UV resistance. Extended relubrication intervals due to good corrosion protection and resistance to washout by rain.	-30 until 80	Rapidly biodegradable lubricant for railway switches
	Klüberbio® EM 72-81	anorganische Thickener	Esteröoil	Good water resistance, good low-temperature behaviour, pressure absorption capacity and prevents stick-slip	-30 until 120	Readily biodegradable lubricating and assembly paste
	Klüberbio® LG 39-700	Calcium-Soap+ Solid Lubricants	Esteroil	Renewable base oil, good low-temperature behaviour and very good load resistance and wear protection for long service life of open drives. User-friendly as Klüberbio LG 39-700 contains no graphite	-30 until 100	Biodegradable operational lubricant for open drives
	Klüberbio® LO 32-2500	Calcium-Soap+ Solid Lubricant	Esteroil	Good UV resistance prevents rapid gumming of the applied lubricant after long exposure to sunlight. Extended relubrication intervals due to good corrosion protection and resistance to washout by rain	-25 until 80	Rapidly biodegradable lubricant for railway switches
	Klüberbio® M 72-82	Polyurea	Esteroil	Good adhesion and water resistance for long relubrication intervals, good pressure-absorption capacity and pumpability through central lubrication systems over a wide temperature range	-40 until 140	Readily biodegradable special grease



Products Greases, Klüberfood®




	Product	Composition		Benefits	Temp	USP
	Klüberfood® NH1 14-222 Spray	Aluminium-Complex-Soap	SHC	Easy spray application. Facilitates product streamlining owing to its wide range of applications. NSF H1-registered	-25 until 120	Synthetic lubricating grease for universal application in the food- processing and pharmaceutical industries
	Klüberfood® NH1 14-261	Aluminium-Complex-Soap	SHC	Reduced wear due to the excellent load-carrying capacity – Very good flow characteristics ensure the lubrication point, also in roller bearings, is reliably supplied with lubricant and extend the component life	-30 until 120	Heavy-duty grease for the food-processing and pharmaceutical industries
	Klüberfood® NH1 64-422	Bentonite	SHC	Good wear protection and component life resulting from high base oil viscosity, good sealing protection of bearing to prevent ingress of moisture and enhancing reliability. ISO 21469 certified	-30 until 140	Synthetic special lubricating grease for the food and pharma processing industries
	Klüberfood® NH1 87-703 Hyg	PTFE	Siliconoil	Extended relubrication intervals and seal life due to the good compatibility with EPDM. High resistance to many types of media such as disinfectants, cleaning agents, water and steam . NSF ISO 21469 certified	-45 until 150	Synthetic lubricating grease for valves and fittings with EPDM seals - contains an antimicrobial additive
	Klüberfood® NH1 94-301	Calcium-Complex-Soap	SHC	Extended maintenance intervals – due to good wear and corrosion protection. Good pumpability in centralized lubrication systems. Reduces friction and wear in linear guides and ball screws performing micro-movements. ISO 21469 certified	-35 until 120	Synthetic lubricating grease for the food processing and pharmaceutical industries

Products Greases, Klüberfood ®, Klübergrease®








	Product	Composition		Benefits	Temp	USP
	Klüberfood® NH1 94-402	Calcium-Complex-Soap	SHC	Good load-carrying capacity and good corrosion protection. Reduces friction and wear, e.g. in rolling bearings. NSF-H1 registration	-30 until 160	Synthetic special lubricating grease for the food processing and pharmaceutical industries
	Klüberfood® NH1 94-6000	Calcium-Complex-Soap	SHC	Very soft consistency and good pumpability in central lubrication systems. Good low-temperature characteristics enable use in refrigerated environments. NSF-H1 registered and ISO 21469 certified	-45 to 120	Synthetic fluid gear grease for the food processing and pharmaceutical industries

	Product	Composition		Benefits	Temp	USP
	Klübergrease LFT 71-402 Klübergrease BE 71-461	Polyurea+Solid Lubricants	Mineraloil	Reduces stick-slip, minimizes starting and running torques, high corrosion protection under extreme conditions, good water resistance and free of heavy metals and black solid lubricants Approved acc. to VW-TL 721, ZF-Lemförder LMN 304 F, TRW 62015002	-40 to 110	Special grease for low frictional torques in ball joints

Products Greases, Klüberlectric®







	Product	Composition		Benefits	Temp	USP
	Klüberlectric® BE 44-152	Lithium-Soap +Solid Lubricants	SHC	Longer component life of rolling bearings subject to static electricity, due to excellent wear protection based on special additives and solid lubricants	-40 until 150	Electroconductive rolling bearing grease
	Klüberlectric® KR 44-102	Lithium-Soap	SHC	Wide service temperature range. Good corrosion protection of copper and silver contacts. Good ageing and oxidation stability, good compatibility with plastics. Contains an UV indicator	-40 until 150	Special grease for the lubrication of electrical switches, contacts and sensors
	Klüberlectric® KR 44-22	Lithium-Soap	SHC	For low-temperature applications. Good corrosion protection of copper and silver contacts. Good ageing and oxidation stability, good compatibility with plastics. Contains an UV indicator	-50 until 130	Special grease for the lubrication of electrical switches, contacts and sensors
	Klüberlectric® KR 44-402	Lithium-Soap	SHC	Wide service temperature range. Good corrosion protection of copper and silver contacts. Good ageing and oxidation stability, good compatibility with plastics. Contains an UV indicator. Damping effect	-40 until 150	Special grease for the lubrication of electrical switches, contacts and sensors
	Klüberlectric® R 64-401	Silicate	SHC	Neutral especially towards silicone-based elastomers, low assembly forces, good electrical insulation and odourless also when heated		Paste for easy assembly of plastic and elastomer components in the electrical industry

Products Greases, Klüberlub®







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	Product	Composition		Benefits	Temp	USP
	Klüberlub® BE 41-1002	Lithium-Soap+Solid Lubricant	Mineraloil	Easy to use in centralised lubrication systems, with excellent wear protection based on (high base oil viscosity in combination with special antiwear additives and black solid lubricants for emergency lubrication). Good pumpability at low temperatures enables operation also in cold climate	-15 until 120	Heavy-duty grease for low-speed rolling bearings subject to high load
	Klüberlub® BE 41-1501	Lithium-Soap +Solid Lubricants(MoS2 Grafit)	Mineraloil	Heavy-duty grease due to high base oil viscosity (ISO VG 1500), excellent wear protection, contains solid lubricant for emergency operation	-10 until 150	Heavy-duty grease for low-speed rolling bearings subject to high loads
	Klüberlub® BE 41- 542	Lithium-Soap	Mineraloil	Heavy-duty grease for highly loaded rolling bearings	-20 until 140	Heavy-duty grease for high-load rolling bearings
	Klüberlub® BE 71-501	Polyurea+ Solid Lubricants	Mineraloil	Reduced operating and maintenance costs due to low consumption, good wear protection when exposed to high loads. Long grease life due to low operating temperatures and friction. Low waste water disposal costs and long service life of components due to good water resistance	-20 until 140	Special lubricating grease for rolling and plain bearings








Products Greases, Klüberlub®



	Product	Composition		Benefits	Temp	USP
	Klüberlub® BEH 71-461 ST	Polyurea	Mineraloil	Less complex maintenance and prevention of premature component failure due to excellent and wear protection. Low waste water disposal costs due to excellent water resistance	-10 until 160	High-temperature lubricating grease
	Klüberlub® BEM 41-122	Special-Lithium-Soap	Mineraloil+ SHC	For pivoting bearings, rolling and plain bearings apposed to high surface pressure, slow oscillating movements, long-term lubrication due to formation of tribolayers	-30 until 140	Special lubricating grease with light coloured solid lubricants for slow, oscillating movements
	Klüberlub® BVH 71-461	Polyurea	Mineraloil + SHC	Efficient at increased temperatures, vibrations and shock loads, resistant to ageing and oxidation, good protection against wear, anticorrosion properties, high pressure absorption capacity, resistant to aggressive media	-20 until 160	High-temperature lubricating grease for bearings and valves
	Klüberlub® EH 71-241	Polyurea+ Solid Lubricants	Mineraloil	Excellent wear protection, longer service life of joints and good compatibility with elastomers. Approved acc. to VW TL 52133	-35 until 140	High-temperature grease for constant velocity joints





Products Greases, Klüberlub®



	Product	Composition		Benefits	Temp	USP
	Klüberlub® EM 41-111	Lithium-Soap+ Mos2	Mineraloil	Excellent wear protection and proven successful for many years	-35 until 130	Special lubricant for constant velocity joints
	Klüberlub® EM 41-142	Lithium-Soap+ Mos2	Mineraloil	Good pressure resistance and wear protection, high water resistance and good corrosion protection. For long-term and lifetime lubrication	-25 until 120	High-performance and wear-reducing grease containing solid lubricant
	Klüberlub® EM 41-92	Lithium-Soap+ Mos2	Mineraloil	Excellent corrosion protection when subject to saltwater. For lifetime lubrication	-35 until 120	Grease for wheel, steering and tie rod joints
	Klüberlub HE 71-281 	Polyurea	Mineraloil	Optimised efficiency due to a special low-friction additive, reduced temperature in the joint. Reliable operation due to high thermal resistance - short-term peaks up to 160 ° C	-35 until 140	Special grease for optimised friction in constant velocity joints
	Klüberlub® LM 41-32 N und LM 41-102	Lithium-Soap	Mineraloil	Self-locking effect in worm gears, good corrosion protection, pumpable through centralized lubrication equipment	-40 until 120	Low-temperature greases for slides and small gears
	Klüberlub® NH1 11-222	Aluminium-Complex-Soap	Mineraloil	Multiple use. Good water resistance providing increased levels of surface protection when compared to a standard lithium EP 2 grease, NSF H1 registered and ISO 21469 certified.	-15 until 100	Multi-purpose lubricant for the food-processing and pharmaceutical industries




Products Greases, Klüberlub®



	Product	Composition		Benefits	Temp	USP
	Klüberlub® NH1 11-231	Al-Complex soap	SHC	Versatile lubricant reducing the number of different lubricants required on site – High resistance to media provides good sealing and reduces the risk of ingress of contaminants – NSF H1-registered and ISO 21469	-30 until 100	Lubricating grease for the food and pharmaceutical industries
	Klüberlub® PHB 71-461	Polyurea	Mineraloil	For low to medium speeds, good pumpability in most commercially available lubrication systems. Good wear and corrosion protection, high load-carrying capacity and resistant to water	-10 until 180	High-temperature lubricating grease
	Klüberlub® RM 41-1503 	Lithium-Special-Soap	Mineraloil	Good adhesion, water and media resistance, good corrosion protection and compatibility with elastomers. Very good pumpability in central lubrication system. Good adhesiveness for extended relubrication intervals. Reduced number of lubricant varieties.	-10 until 140	Sealing and lubricating grease for heading and cutting machines





Products Greases, Klüber Noxlub®



	Product	Composition		Benefits	Temp	USP
	Klüber Noxlub BN 2420	Na-Complex-Soap	PFPE	Reducing the amount of maintenance through extended relubrication intervals and good thermal stability	-25 until 220	High-temperature grease for rolling bearings in pressure and corrugation rollers
	Klüber Noxlub KF 0921	PTFE	PFPE	Good low-temperature properties, very good resistance to ambient media and good corrosion protection with high oxidation stability	-65 until 220	High-temperature and long-term grease with good low-temperature properties
	Klüber Noxlub KF 1920	Na-Complex-Soap+ PTFE	PFPE	Neutral towards most plastics and elastomer materials with good damping properties and good wear and corrosion protection. Free from sodium nitrite	-40 until 260	High-temperature and long-term lubricating grease for a wide service temperature range




Products Greases, Klüberplex ®



	Product	Composition		Benefits	Temp	USP
 	Klüberplex® AG 11-461,-462	Al-Complex-Soap+ Solid Lubricants	Mineraloil	Reduced maintenance needs, low contamination of machine environment due to use of white solid lubricants and low lubricant consumption, very good adhesion even at low temperatures, product streamlining possible as the product is suitable for gear rim / pinion drives and bearings, improved component performance, less wear due to selected solid lubricants and additives, very good corrosion protection also when exposed to saltwater	-20 until 150	White operating and priming lubricants for open drives
	Klüberplex® BE 11-462,	Al-Complex-Soap	Mineraloil	Free from heavy metals and chlorine, wide service temperature range, suitable for lubrication points exposed to high loads, adhesive, resistant to water	-15 until 150	Mineral oil based rolling and sliding bearing grease
	Klüberplex® BE 31-102...-222...-502	Ca-Special-soap	Mineraloil	Longer component life, due to reduced wear and good pressure absorption capacity, reduced maintenance due to good sealing effect and resistance to water and other media and long relubrication intervals and food ageing and oxidation stability, NSF H2 registration allows use in food-processing industry for applications with no direct food contact	-15 until 140	Lubricating greases for extreme requirements




Products Greases, Klüberplex ®



	Product	Composition		Benefits	Temp	USP
	Klüberplex® BEM 34-132, 34-131 N	Ca-Special-soap	SHC+ Mineraloil	Long service intervals due to excellent wear protection and ageing resistance enabling long-term or lifetime lubrication, reliable function and many years of experience, standardization possible due to multiple uses, very good function of the rolling bearings due to high load resistance also with micro-movements, longer rolling bearing life due to excellent corrosion protection and resistance to media	-35 until 140	Special greases for rolling bearings and linear guides operating under demanding Conditions
	Klüberplex® BEM 41-132	Li-Spezial-Soap	Mineraloil+ SHC	Longer service life due to special wear additives for roller bearings, less maintenance, versatile grease due to wide operating temperature range and optimised oil release	-40 until 150	High-temperature and long-term grease for rolling bearings
	Klüberplex® BEM 41-141	Li-Spezial-Soap+ Solid Lubricants (MoS ₂ -Grafit)	Mineraloil+ SHC	Trouble-free operation due to wide service temperature range, good lubricant pumpability and precise metering in central lubrication system, longer service life of rolling bearings due to high wear protection even under vibrations, higher reliability of wind power stations due to good grease distribution and oil separation, low frictional resistance and reduction of component temperature, low wear due to special additives, easy changeover to Klüberplex BEM 41-141 as the lubricant is miscible with other greases	-40 until 150	Lubricant for rolling and plain bearings subject to high loads




Products Greases, Klüberplex ®



	Product	Composition		Benefits	Temp	USP
	Klüberplex® BEM 41-301	Li-Complex-Soap	Mineraloil/ SHC	<p>Longer service life of rotor bearings due to good wear protection characteristics, also under vibrations and oscillations</p> <ul style="list-style-type: none"> – Low frictional resistance and excellent corrosion protection – Trouble-free operation due to good pumpability via centralised lubrication systems 	-30 until 120	Special lubricating grease for rolling bearings subject to high loads, low speeds and vibrations
	Klüberplex® GE 11-680	Al-Complex-Soap	Mineraloil	Adhesive lubricant, free of raw materials containing lead or solvents, resistant to high pressures, FZG scuffing load stage > 12, anticorrosion properties, applicable through automatic lubrication systems	0 until 140	Adhesive gear lubricant
	Klüberplex® SK 12	Barium-Complex-Soap	Mineraloil+ SHC	Less maintenance due to long-term lubrication, reliable function and sealing against dust and dirt, versatile application even under high loads and low speeds, long component life due to high wear and corrosion protection, tried and tested for many bronze plain bearings, good compatibility with nonferrous metals, also suitable for relubrication; miscible with many commercial bearing greases	-40 until 140	Special lubricating grease for plain bearings







Products Greases, Klüberquiet®



	Product	Composition		Benefits	Temp	USP
	Klüberquiet® BQ 72-72	Polyurea	Esteroil	Long-term operation due to optimised wear protection and smooth running, wide service temperature range allows a variety of applications, cost savings due to long service life of grease, particularly suitable for lifetime-lubricated capped or sealed deep groove ball bearings	-45 until 180	Low-noise rolling bearing grease for long-term lubrication
	Klüberquiet® BQ 74-73 N	Polyurea	SHC+ Esteroil	Lifetime lubrication of vertically mounted bearings subject to high speeds and/or with a rotating outer ring, low-noise spindle bearing grease, also for motor spindles	-40 until 160	Low-noise rolling bearing grease for the long-term lubrication of high-speed rolling bearings
	Klüberquiet® BQH 72-102	Polyurea	Esteroil	Cost savings due to long service life of grease at > 80° C, smooth running, low noise, wide service temperature range allows a variety of applications, long bearing life due to excellent water resistance	-40 until 180	High-purity rolling bearing grease for long-term lubrication

Products Greases, Klüberryl®






	Product	Composition		Benefits	Temp	USP
	Klüberryl® AL 32-2000 	Ca-Complex-Soap	Esteroil	Trouble-free operation due to low friction resistance also at very low ambient temperatures, good UV resistance prevents rapid gumming of the applied lubricant after long exposure to sunlight, sprayable by means of standard portable spraying equipment, low operating costs due to less manpower for relubrication, eco-compatible due to rapid biodegradability	-35 until 80	Sprayable, rapidly biodegradable lubricant for railway switches
	Klüberryl® AL 32-3000	Ca-Complex-Soap	Esteroil	Trouble-free operation due to low friction resistance also at very low ambient temperatures, good UV resistance prevents rapid gumming of the applied lubricant after long exposure to sunlight, sprayable by means of standard portable spraying equipment, low operating costs, eco-compatible due to rapid biodegradability	-30 until 80	Sprayable, rapidly biodegradable lubricant for railway switches
	Klüberryl® AL O 32-250 	CA-Complex soap	Esteroil	Very good adhesion - no lubricant dropping off of overhead line. Good resistance to water washout enables longer relubrication intervals Less overhead line vibration and significantly lower noise caused by moving trains. Better contact between wire and contact strip leading to higher transmission rate ,reduces generation of sparks and electric arcs. Rapidbiodegradable		Speciality lubricant for railway overhead lines
	Klüberryl® LEA 62-2000	Silicate+ Solid Lubricant	Esteroil	Significant wear reduction on wheels and rails, noise reduction, especially on curves, good adhesion for full effect at high speeds, good rain resistance, environmentally-friendly with readily biodegradable base oil	-40 until 80	Biodegradable wheel flange lubricant for rail vehicles

Products Greases, Klüberspeed®




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	Product	Composition		Benefits	Temp	USP
	Klüberspeed® BF 72-22	Polyurea	Esteroil +SHC	Very good resistance to water and anticorrosive effect protect bearings against premature failure, thus helping to minimize maintenance costs, low starting torque enables problem-free operation and energy savings also at low temperatures, long-term successful use in particular at high speeds, shorter running-in of spindle bearings	-50 until 120	High-speed lubricating grease
	Klüberspeed® BF 72-23	Polyurea	Esteroil+ SHC	Especially for horizontal, vertical or inclined mounting positions, thus suitable for all standard machine tools. Excellent high-speed characteristics and long service life in rolling bearings with steel/steel or steel/ceramic friction pairings	-50 until 120	High-speed lubricating grease
	Klüberspeed® BFP 42-32	Lithium-Soap	Esteroil	Can be used for angular contact ball bearings and high-speed cylinder roller bearings, especially with steel/ceramic friction pairings, for horizontal, vertical and inclined mounting positions and very high speeds	0 until 120	High-speed spindle bearing grease


Products Greases, Klübersustain®



	Product	Composition		Benefits	Temp	USP
	Klübersustain® LG 39-700	Ca-Complex-Soap	100% Biooil	Significantly contributes to sustainability due to the base oil being designed from renewable resources and the product's biodegradability, the lubricant's extremely good low-temperature behaviour enables operation of open gear drives in areas with very low ambient temperatures, cost reduction because of very good load resistance and wear protection for long service life of open gears, as Klübersustain LG 39-700 is free of graphite to ensure clean handling and prevent clogging of spray systems caused by solid particles, appears transparent on tooth flanks - immediate inspection results during operation, reduced lubricant consumption due to high adhesion to friction surfaces	-30 until 100	Sustainable operational lubricant for open drives





Products Greases, Klübersynth®



	Product	Composition		Benefits	Temp	USP
	Klübersynth® AG 14-61 	Aluminium-complex soap	SHC	Good pumpability via centralised lubrication systems also at low temperatures. High corrosion protection also when exposed to salt water. Longer service life of girth gear/pinion drives due to good wear protection characteristics even under vibration. White solid lubricants. Low consumption due to excellent adhesion even at low temperatures	-50 until 120	Light-coloured special lubricant for open drives
	Klübersynth® AR 34-401, 34-402	Special-Calcium-Soap	SHC	Reduces friction and wear in pneumatic components, low breakaway torque, even after longer periods of standstill ("Monday morning effect"), suitable for all types of pneumatic components, preferably those made of NBR but also of PU materials, wide piston speed range from approx. 0.01 to 1m/s	-40 until 140	Special synthetic lubricating greases for pneumatic drives and sealing elements
	Klübersynth® BEM 34-32	Spezial-Calcium-Soap	SHC	enables low starting and running torque, high pressure absorption capacity, good wear protection, excellent oxidation and ageing stability, good water and media resistance	-40 until 130	Synthetic smooth-running grease for linear guides and bearings in clean room production areas
	Klübersynth® BEP 72-82	Polyurea	Esteroil	Long service life of bearing due to special antiwear additives protecting against premature material fatigue as may be caused by vibrations, high temperatures and speeds, protects against corrosion damage due to excellent additives	-40 until 180	Rolling bearing grease for long-term lubrication
	Klübersynth® BH 72-422	Polyurea	Esteroil+ PFPE	Longer service life compared to conventional greases based on ester oils due to the extremely high ageing stability of the PFPE oil contained in the lubricant, lower lubricant costs compared to perfluorinated polyether greases due to patented hybrid grease formulation	-20 until 220	High-temperature lubricating grease for low-speed bearings

Products Greases, Klübersynth ®






	Product	Composition		Benefits	Temp	USP
	Klübersynth® BHP 72-102	Polyurea PTFE	Esteroil+ PFPE	Long availability of components over a wide service temperature range when exposed to corrosive atmosphere and when exposed to high vibrations and loads, high economic efficiency due to patented hybrid grease formulation	-40 until 200	High-temperature lubricant with extraordinary anticorrosion properties for lifetime lubrication
	Klübersynth® BL 42-42	Li-Complex- Soap	Esteroil+ SHC	Especially for applications with a high percentage of sliding friction, e.g. in roller bearings, due to the balanced oil Separation, multiple uses due to wide service temperature range, enabling product streamlining, reduction of operating costs due to very good long-term lubricity	-40 until 160	Special grease for rolling bearings with elevated percentage of sliding friction
	Klübersynth® BLP 72-122	Polyurea PTFE	Esteroil+ SHC	Long grease life in rolling bearings with rotating outer ring. Wide range of applications including cold starts enabled by optimised oil release at low temperatures. Excellent compatibility with elastomers due to new product design	-40 until 180	Rolling bearing grease for long-term lubrication
	Klübersynth® BLR 46-122	Lithium-Soap	Polyglycol	No impairment of paint wetting or insulation of electric contacts, as may occur with silicone greases, efficiency gain due to lower friction, excellent low temperature behaviour, compatibility with EDPM allows use in motor vehicle brakes, reliable operation over a wide service temperature range, for lifetime lubrication even at high permanent temperatures,	-45 until 140	Substitute for silicone greases (also in motor vehicle brakes)

Products Greases, Klübersynth ®








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	Product	Composition		Benefits	Temp	USP
	Klübersynth® BM 44-42	Li-Complex-Soap	SHC	Long-term grease for less maintenance and for-life lubrication, extensive range of applications due to wide service temperature range, low starting torque enables problem-free operation and energy savings also at low temperatures, versatility of application due to good compatibility with sealing materials and other lubricants, longer component life due to optimized oil release and anti-wear additives	-40 until 140	Special grease for freewheels, rolling bearings and linear guides
	Klübersynth® BMQ 72-162	Polyurea	Esteroil+ PFPE	Low component noise at high temperatures due to patented hybrid grease formulation and due to the addition of fluorinated base oils High component performance due to a wide service temperature range and due to good corrosion and wear protection properties	-40 until 200	For lifetime lubrication at low and high temperatures
	Klübersynth® BQP 72-82	Polyurea	Esteroil	Extended component lifetime, smooth running, especially in small rolling bearings ensures protection against premature material fatigue, above-average corrosion protection avoids corrosion damage, improved vibration resistance owing to optimised wear protection, based on modern raw materials according to Bosch standard N 2580 (2008)	-40 until 180	Rolling bearing grease for long-term lubrication

Products Greases, Klübersynth®






	Product	Composition		Benefits	Temp	USP
	Klübersynth® BR 46-32F 	Lithium-complex soap	Polyglycol/ Esteroil	Wear reduction. For-life lubrication at medium to high speeds. Suitable for both sliding and rolling motion. Optimum base oil combination for low starting torque at low temperatures	-45 until 130	Special grease for actuators, threaded spindles and ball screws
	Klübersynth® BR 46-82	Li-Complex-Soap	Polyglycol	Low-cost alternative to greases based on perfluorinated oils for high-temperature applications, reliable operation over a wide temperature range, lifetime lubrication also at permanent high temperatures, good wear protection in steel-steel material pairings allowing reliable component operation	-40 until 180	Low and high-temperature grease for drive-by-wire technology in the automotive Sector
	Klübersynth® BZ 44-4000	Lithium-Soap	SHC	Less maintenance during operation due to the prevention of premature component failure enabled by very good anticorrosion and antiwear effect, improved component performance due to the very good protection against False Brinelling, especially in rolling bearings performing oscillating and/or rotating movements	-40 until 140	Anticorrosion fluid with lubricating effect for rolling bearings
	Klübersynth® EL 42-32	Lithium-Soap	Esteroil	Wide service temperature range for a variety of applications, excellent load-carrying capacity, low breakaway torques even at low temperatures, reliable lubrication even at high temperatures, as the product does not become pasty	-50 until 150	Low-temperature lubricating grease with solid lubricant

Products Greases, Klübersynth ®







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	Product	Composition		Benefits	Temp	USP
	Klübersynth® EM 94-102	Ca-Complex-Soap	PAO	Excellent corrosion and wear protection for reduced maintenance requirements and longer component life, versatile multipurpose lubricant allowing product streamlining and reducing the risk of confusing lubricants, wide service temperature range for year-round lubrication under various climatic conditions	-30 until 140	Special synthetic grease for extreme requirements
	Klübersynth® G 34-130	Ca-Complex-Soap	SHC+ Mineraloil	Special grease for small gears, suitable for aluminium components, wide service temperature range, good protection against wear, excellent protection against tribocorrosion, easily applicable through automatic metering devices	-30 until 130	Special grease for small gears
	Klübersynth® GE 14-111	Al-Complex-Soap	SHC+ Esteroil	Special lubricating grease for small gears subject to high loads, wide service temperature range, good wear protection, high scuffing load capacity, excellent protection against tribocorrosion, improved compatibility with polar and nonpolar elastomers	-55 until 140	Special grease for small gears subject to high loads with a high sliding percentage (e.g. electric power steering systems)





Products Greases, Klübersynth ®


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	Product	Composition		Benefits	Temp	USP
	Klübersynth® GE 14-151	Al-Complex-Soap	SHC+ Esteroil	special grease for highly loaded small gears, wide service temperature range, good wear protection, high scuffing load capacity, very good protection against tribocorrosion	-35 until 140	Special grease for small gears subject to high loads
	Klübersynth® GE 46-1200	Li-Complex-Soap	Polyglycol	Synthetic long-term fluid gear grease, wide temperature range, protects effectively against corrosion, does not contain lead or solid lubricants, high load-carrying capacity, offers excellent protection against wear	-50 until 120	Synthetic Long-Term Gear Grease
	Klübersynth® HB 72-102	Polyurea	Esteroil	Tried-and-tested grease concept based on polyurea and ester oil, high-temperature grease for the lifetime lubrication of bearings in the automotive industry, reduced maintenance costs due to high reliability, proven effective for many years in clutch release bearings, therefore minimized risk in this application	-40 until 180	Synthetic rolling bearing grease with exceptional corrosion protection
	Klübersynth® HB 72- 52	Polyurea	Esteroil	Long service life, wide service temperature range, good corrosion protection and water resistance, compatible with EPDM	-30 until 180	High-temperature grease for rolling bearings

Products Greases, Klübersynth ®






	Product	Composition		Benefits	Temp	USP
	Klübersynth® HB 74-401	Polyurea	SHC	Extended component life due to good antiwear effect and corrosion protection, cost reduction due to longer relubrication intervals even at elevated temperatures through synthetic grease Technology, wider service temperature range allows lubricant stock rationalisation	-40 until 200	Synthetic long-life high-temperature grease
 	Klübersynth_HBE_94-401	Ca-Complex-Soap	SHC	Extended component life due to excellent wear protection, excellent corrosion protection and excellent resistance against water, reduced maintenance costs due to extended relubrication intervals or lifetime lubrication achievable even at elevated temperatures due to synthetic grease technology	-40 until 150	Synthetic long-life and high-load grease
	Klübersynth® HIP 84-401	PTFE	SHC	Thermally stable; peaks to 180 ° C: longer service life, lower frictional resistance: lower operating temperature, noise dampening: less vibration, noise prevention	-45 until 160	High-temperature grease for friction pairings subject to high loads

Products Greases, Klübersynth®








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	Product	Composition		Benefits	Temp	USP
	Klübersynth® HLR 46-371	Li-Complex-Soap	Polyglycol	Lubricating and assembly paste, service temperature range – 40 / 150 ° C, for elastomer/metal sliding material combinations	-40 until 150	Lubricating and assembly grease for elastomer/metal sliding material combinations (sensitive to mineral oil)
	Klübersynth® J 44-402	Lithium-Soap	SHC	Low breakaway and running torques even after 24 hours of inoperative position, avoidance of cracking and stick-slip noise, particularly low friction values, smooth running of joints even with high torsion, good low-temperature behaviour, consistent smooth operation	-40 until 130	Special synthetic grease for ball joints in chassis components
	Klübersynth® JIP 84-402	Lithium-Soap PTFE	SHC	Energy savings achieved through particularly low friction coefficient, reduction of stick-slip and breakaway noise, for heavily loaded plastic/steel combinations, particularly good corrosion protection, cost-effective alternative to PFPE greases with similar friction coefficient	-40 until 120	Special lubricating grease avoiding stick-slip





Products Greases, Klübersynth ®



	Product	Composition		Benefits	Temp	USP
	Klübersynth® LE 44-31	Lithium-Soap PTFE	SHC	Low friction coefficient and optimum efficiency provide energy savings, permits tight gearing because of good wear protection and a low friction coefficient, reduced trialling requirements thanks to positive results in component testing with many of our customers	-50 until 130	Lubricating grease for worm gears with optimised friction coefficient
	Klübersynth® LF 44-22	Li-Complex- Soap	SHC	Synthetic low-temperature grease containing solid lubricants, resistant to oxidation and ageing, good corrosion protection, low starting and running torques, preferably for plastic/plastic and plastic/metal combinations	-60 until 130	Synthetic low-temperature grease with a light-coloured solid lubricant
	Klübersynth® LG 44-32	Li -soap	SHC	Good corrosion protection and resistance to water and salt water. Good low-temperature resistance . Good compatibility with plastics and elastomers. For high speeds and smooth running grease Contains UV indicator (366nm)	-60 until 130	Smooth running grease with excellent corrosion protection and good compatibility with plastics and elastomers
	Klübersynth® LI 44-22 UV	Lithium-Soap PTFE UV-Additiv	SHC	Synthetic low-temperature grease with good dampening properties, UV indicator for quality control, almost neutral towards many plastics, low frictional torques, resistant to ageing	-60 until 130	Synthetic low-temperature grease with good dampening properties
	Klübersynth® LIP 84-42	PTFE	SHC	Good low temperature behaviour enabling smoothness of operation of vehicle components across a wide temperature range, reduced frictional resistance is achieved at low temperatures, damping effect: reduction of oscillations / vibrations, operating noise reduction	-60 until 140	Special lubricant for plastics subject to high stresses





Products Greases, Klübersynth ®



	Product	Composition		Benefits	Temp	USP
	Klübersynth® LP 42-32	Lithium-Soap	Esteroil	Synthetic low-temperature grease, inhibits fretting corrosion, thermally stable, does not become pasty, high resistance to wear and corrosion, UV indicator for quality assurance at 366 nm, starter grease acc. to Bosch standard N28 FT 1022-002 (formerly VS 18570-Ft)	-50 until 150	Low-temperature grease with solid lubricant
	Klübersynth® LR 44-21	Lithium-Soap	SHC	Good noise dampening, wide service temperature range (for different applications), good material compatibility (universal uses)	-50 until 130	Low-temperature grease for vehicle components
	Klübersynth® MR 96-31	Silicate	Polyglycol	Versatile product for use with many different elastomers and plastics (e.g. EPDM, PP, HDPE), good compatibility with polymers over a wide service temperature range, reduces friction resistance also in critical, non-polar polymer materials, noise damping and vibration-reducing	-40 until 120	Special lubricant compatible with many elastomers and plastics
	Klübersynth® P 84-52 S, P 84-52 G	PTFE	SHC	Reduces NVH (noise, vibration, harshness) while offering good washout resistance, constant smooth operation over a wide temperature range, reduced frictional resistance, even at low temperatures	-50 until 130	Efficiency-increasing speciality lubricants for open slideways in sunroofs




Products Greases, Klübersynth ®



	Product	Composition		Benefits	Temp	USP
	Klübersynth® PEG 46 Reihe, 121, 46- 1200	Lithium-Soap	Polyglycol	Good wear protection of both the gears and the rolling bearings ensures a long service life of the components, the excellent viscosity-temperature behaviour supports the formation of a sufficient lubricating film, longer service life than mineral oils due the excellent ageing und oxidation stability of the synthetic base oil ,maintenance intervals can be extended and in certain cases even lifetime lubrication is possible, reduces power losses and improves efficiency	-50 until 120	Special greases for the lubrication of enclosed gear drives
	Klübersynth® RA 44-702, RA 44-3502	Lithium-Soap	SHC	Soft feel effect (haptics), noise reduction, good compatibility with plastics, low oil separation, after cathodic electro-immersion painting the greases can be used in drying ovens up to 180 ° C for a short time	-50 until 130	for noise reduction and mechanical damping
	Klübersynth® UH1 14-151	Al-Complex-Soap	SHC	Good corrosion protection reduces the risk of premature bearing failure, good pumpability in centralized grease system prevents grease starvation, for a wide service temperature range due to the soft consistency of the grease, ISO 21469 certified – supports the compliance with the hygienic requirements in the production	-45 until 120	Synthetic lubricating grease for the food and pharmaceutical processing industry
	Klübersynth® UH1 14-1600	Al-Complex-Soap	SHC	Improved pumpability due to its soft consistency, component life enhanced resulting from a special thickener with good adhesion and good corrosion protection, ISO 21469 certified – supports the compliance with the hygienic requirements the production	-45 until 1600	Synthetic lubricating grease for the food and pharmaceutical processing industry




Products Greases, Klübersynth ®



	Product	Composition		Benefits	Temp	USP
	Klübersynth® UH1 14-222	Al-Complex-Soap	SHC	Facilitates product streamlining owing to its wide range of applications, offers improved surface protection through good adhesion and its particular consistency, ISO 21469 certified – supports the compliance with the hygienic requirements the production	-25 until 120	Synthetic lubricating grease for universal application in the food-processing and pharmaceutical industries
	Klübersynth® UH1 14-31	Al-Complex-Soap	SHC	Reliable operation also at low temperatures due to soft consistency and low base oil viscosity, reduced risk of premature component failure due to good adhesion and anticorrosive behaviour, lubricant starvation prevented by very good pumpability in centralised lubricating systems, NSF-H1 registration for higher process reliability	-45 until 120	Synthetic smooth-running grease for the food-processing and pharmaceutical industries
	Klübersynth® UH1 64-1302	Silicate	SHC	Higher component availability and longer maintenance intervals: due to good wear protection, due to good stability also at high temperatures, due to good resistance to water and steam, certified acc. to ISO 21469 - supports the compliance with the hygienic requirements the production	-10 until 140	Synthetic lubricating grease for the food and pharmaceutical industry



Products Greases. Klübersynth ®



	Product	Composition		Benefits	Temp	USP
	Klübersynth® UH1 64-2403	Silicate	SHC	Facilitates the reliable operation of beverage dispensing installations owing to its neutrality towards taste and beer Froth, offers very good resistance to hot and cold water and steam, extending maintenance intervals, ISO 21469 certified – supports the compliance with the hygienic requirements in the production	-10 until 140	Synthetic sealing grease for the food-processing and pharmaceutical industries
	Klübersynth® UH1 64-62	Silicate	SHC	Less maintenance due to good resistance to low and high temperatures, synthetic base oil for extended relubrication intervals and good resistance to water, ISO 21469 certified - supports the compliance with the hygienic requirements in the production	-40 until 140	Synthetic lubricating grease suitable for use in the food-processing and pharmaceutical industries
	Klübersynth® V 64-300	Silicat e	SHC	fully synthetic special lubricating grease for hot and cold water taps, especially suitable for spindle heads containing NBR elastomers, approved for drinking water applications, complies with Euro standard DIN EN 200, high load-carrying capacity and excellent wetting properties	-10 until 100	Synthetic lubricating grease for drinking water taps






Products Greases, Klübersynth®



	Product	Composition		Benefits	Temp	USP
	Klübersynth® VR 69-252	Silicat e)	Biooil	Special lubricating grease for hot and cold water fittings, especially suitable for spindle heads with EPDM elastomers, SVGW approval for drinking water, complies with European standard DIN EN 200, excellent adhesiveness and high load-carrying capacity	/	Lubricating grease for drinking water fittings with EPDM elastomers
	Klübersynth® VR 69-252 N	Calcium-Soap+PTFE	Biooil	Longer component life due to less friction and wear, especially in brass spindle valves, prevention of stick-slip at high tightening torques and 500,000 load cycles´, lubricant for all components meeting all technical, design and chemical requirements, e.g. the German KTW and the French ACS Guidelines. – Cost-saving as lubricant can be applied by brush or using fully automatic mass application techniques	-25 until 100	Special lubricating grease for drinking water taps containing e.g. EPDM and/or NBR elastomers






Products Greases, Klübertemp®




	Product	Composition		Benefits	Temp	USP
	Klübertemp GR AR 555	PTFE	PFPE	For use at high operating temperatures up to 250 ° C, for applications exposed to aggressive media	-20 until 250	Long-term and multi-purpose lubricant for high-temperature applications
	Klübertemp GR CR 862	PTFE	PFPE	Longer maintenance intervals in high-temperature applications, for applications exposed to aggressive media, anticorrosive effect due to special additives	-30 until 230	Long-term lubricant for a wide temperature range
	Klübertemp GR M07	PTFE	PFPE	Long component life over a wide service temperature range, in contact with aggressive media where sensitive plastic materials are used under vacuum	-65 until 230	Long-term lubricants for a wide temperature range
	Klübertemp GR OT 20	PTFE	PFPE	Good resistance to media, good low-temperature behaviour , neutral towards plastic materials, low start-up torque	-50 until 70	Long-term lubricant for low-temperature applications
	Klübertemp GR RT 2,15	PTFE	PFPE	For use at high operating temperatures up to 250 ° C, for applications exposed to aggressive media	-20 until 250	Long-term lubricants for high-temperature applications






Products Greases, Klübertemp®



	Product	Composition		Benefits	Temp	USP
	Klübertemp GR UT 18 ★	PTFE	PFPE	Multiple uses over a wide operating temperature range, good resistance to aggressive media, high thermal stability, neutral towards plastic materials	-30 until 230	High-temperature multi-purpose grease
	Klübertemp GR YNX ★	Silicat	PFPE	Good resistance to aggressive media, high thermal stability, neutral towards elastomers and plastics, good sliding friction properties	-40 until 150	Long-term lubricant for valves and fittings
	Klübertemp® HB 53-391, 392	PTFE	PFPE	High profitability due to long service life of machines, approved and recommended for continuous presses in the wood working industry, less maintenance due to longer relubrication intervals	-20 until 260	High-temperature and long-term greases for rolling bearings subject to high temperatures in continuous presses
	Klübertemp® HCB 83-402	PTFE	PFPE	High profitability due to long service lives, resistant to aggressive chemicals involving softening and finishing agents, many years of successful use by leading stenter frame manufacturers	-30 until 260	High-temperature lubricant for roller chains in textile stenter frames
	Klübertemp® HM 83 - 271	PTFE	PFPE	Long maintenance intervals in applications subject to high temperatures. Soft texture for easy relubrication. Suitable as lubricant for gas fittings and actuators according to DIN EN 377, category E	-40 until 240	Long-term lubricating grease for rolling bearings operating under elevated temperatures


Products Greases, Klübertemp®




	Product	Composition		Benefits	Temp	USP
	Klübertemp® HM 83 Reihe, 400, 401, 402, 403	PTFE	PFPE	Long maintenance intervals in applications subject to high temperatures, soft texture for easy relubrication, suitable as lubricant for gas fittings and actuators according to DIN EN 377, category E	-40 until 260	Long-term lubricating grease for rolling bearings operating under elevated temperatures
	Klübertemp® RHB 83-202	PTFE	PFPE	Long maintenance intervals in applications with high thermal loads – due to remarkable thermal stability – due to good corrosion-inhibiting characteristics, registered as NSF H1 for use in the food-processing and pharmaceutical industries	-45 until 240	High-temperature grease for the food-processing and pharmaceutical industries
	Klübertemp® YV 93-302	PTFE	PFPE	High operational reliability for gaseous oxygen installations. High oxygen pressure surge resistance up to 100 bar at max. 60 ° C. Compatibility with most materials used in this industry. Multiple uses for industrial handling of maintenance, also of oxygen components	-60 until 200	Sliding agent for gaseous oxygen valves and installations subject to medium pressure
	Klübertemp® YV 93-92 	PTFE	PFPE	Reliable operation of installations and components using gaseous oxygen (high oxygen pressure surge resistance and good compatibility with most materials . Versatile sliding agent for oxygen, air, carbon dioxide inert gases and their condensation products. Individual batch BAM certificates	-60 until 160	Lubricant for valves, fittings and installations carrying oxygen under medium partial pressure

Products Greases, Klüberterm®, METALLSTAR®







	Product	Composition		Benefits	Temp	USP
	Klübertherm HB 88-182	PTFE	SHC	Specially engineered high-temperature grease for applications up to 180 ° C, low-density product for high volume yield, leading to lower consumption costs than use of fully fluorinated lubricants, better degradability in the environment than PFPE-based products	-20 until 180	Special grease for high loads and high temperatures

	Product	Basis		Benefits	Temp	USP
	METALSTAR 820	Lithium-Soap	Mineraloil	Free of graphite, low generation of smoke, especially during start, nice surfaces, good demoulding, easy cleaning of mould surface	/	Die grease for continuous casting of aluminium alloys



Products Greases, MICROLUBE®



	Product	Composition		Benefits	Temp	USP
	MICROLUBE® GB 0	Bentonite	Mineraloil	Universal high-performance lubricant, high pressure absorption capacity, good wear protection, good anticorrosion behaviour, pumpable through centralized systems	/	Universal high-performance lubricant
	MICROLUBE® GB 00	Bentonite	Mineraloil	Fluid gear grease, high pressure absorption capacity, good wear protection, good anticorrosion behaviour, no channelling in case of immersion lubrication, pumpable through centralized systems	/	Fluid gear grease
	MICROLUBE® GBU-Y 131	Ba-Complex Soap	/	Good pressure absorption capacity, high resistance to water, good corrosion protection	-25 until 150	Special grease for the lubrication of rolling and plain bearings subject to humidity and water
	MICROLUBE® GL 261, GL261 Spray, GL 262	Li-Special-Soap	Mineraloil	Optimum lubrication in the boundary friction regime, thus preventing machine downtime due to tribo-corrosion, tried-and-tested for many years and approved by OEMs, longer component life due to special additives, especially with oscillations and micro-movements, trouble-free operation of machines due to good pumpability in central lubrication systems	-30 until 140	Special lubricating greases for boundary friction conditions and tribo-corrosion



Products Greases, MICROLUBE®



	Product	Composition		Benefits	Temp	USP
	MICROLUBE® GLY 92	Li-Special-Soap	Mineraloil+SHC	Excellent low-temperature characteristics, good corrosion protection, good water resistance	-45 until 150	Special grease for the lubrication of rolling and plain bearings across a wide service temperature range
	MICROLUBE® GNY 202	Na-Special-Soap	Mineraloil	Grease for rolling and plain bearings, also for low speeds, vibrations and swivel movements, good antiwear properties, good corrosion protection, good pumpability, free of solid lubricants	-20 until 150	Special lubricating grease for metal pairings in the boundary friction regime



Products Greases, MIKROZELLA®



	Product	Composition		Benefits	Temp	USP
	MIKROZELLA DB 47-62	Li-Special-Soap	Siliconeoil	Significantly extends the service life of sintered metal plain bearings impregnated with silicone oil, simple, clean and fully automatic application; good adhesion; no additional fixing of the oil depot necessary, proven successful in applications which have to cover wide service temperature ranges	-50 until 180	Plastic depot lubricant for sintered metal plain bearings
	MIKROZELLA GDB 2 Reihe 2-32, 2-68	/	Esteroil+ SHC	Longer service life of bearings due to additional lubrication, high reliability and maintenance-free use due to controlled oil release, convenient application as product is ready-to-use, cost savings due to fully automatic large-batch application, wide-range application selection through different oil viscosities, high reliability over long period even under varying operating conditions, easy assembly due to good adhesion to sintered bearing surfaces	-40 until 150	Plastic oil reservoir system for additional lubrication of sintered-metal plain bearings




Products Greases, MIKROZELLA®





	Product	Composition		Benefits	Temp	USP
	MIKROZELLA G 8 OY K, G 100 OY K ST	Silicate	SHC	Innovative product concept with special additives, longer component life, high reliability and maintenance-free use due to controlled oil release, convenient application as product is ready-to-use, economical application by means of conventional metering systems, wide-range application selection through different oil viscosities, high reliability over long period even under varying operating conditions, individual range of applications for large-batch production of different components	-50 until 150	Plastic oil reservoir system for additional lubrication of sintered-metal plain bearings
	MIKROZELLA GTK 055	Li-Special-Soap	Silikonoil	Significantly extends the service life of sintered metal plain bearings impregnated with silicone oil, simple, clean and fully automatic application; good adhesion; no additional fixing of the oil depot necessary, proven successful in applications which have to cover wide service temperature ranges	-50 until 200	Plastic depot lubricant for sintered metal plain bearings

Products Greases, NONTROP®, NOSOL®, OPTAPLUS®







	Product	Composition		Benefits	Temp	USP
	NONTROP KR 291	Silicate	Mineraloil	For medium to high temperatures, good dampening effect, good adhesion	-10 until 140	Lubricating grease for gears and eyepieces
	NONTROP ZB 91 DIN 	Silicate	Mineraloil	Tested and approved by DVGW acc. to DIN EN 377 class D, good adhesion, neutral towards copper and copper alloys, high thermal stability, neutral towards DIN EN 377 elastomers, e.g. SRE-NBR 1	0 until 150	Grease for propane, butane, natural and town gas valves & fittings in acc. with DIN EN 377

	Product	Basis		Benefits	Temp	USP
	NOSOL GBY 2	Silicate	Esteroil	Good wetting power, good water resistance, wide service temperature range, resistant to town gas, long-distance gas, natural gas and e.g. aliphatic hydrocarbons, excellent sealing effect, certified acc. to DIN 3536 and DIN EN 377	-10 until 90	Fully synthetic lubricating and sealing grease for valves and fittings

	Product	Composition		Benefits	Temp	USP
	OPTAPLUS AO 35, 140	Silicate	Esteröoil	Dampening effect, good adhesion, improves haptics, contains anticorrosion additive for nonferrous metals	-10 until 100	Adhesive dampening greases of high apparent dynamic viscosity


Products Greases, PARALIQ®



	Product	Composition		Benefits	Temp	USP
	PARALIQ GA 3400	Al-Complex-Soap	Medical Whiteoil	Fluid gear grease for an easy pumpability in central lubrication systems, reduced maintenance needs due to the good corrosion and wear protection, NSF H1 registered and ISO 21469 certified – supports the compliance with the hygienic requirements in your production.	-45 until 110	Fluid gear grease for the food-processing and pharmaceutical industries
	PARALIQ GA 343	Al-Complex-Soap	Medical Whiteoil	Multi-purpose grease for various lubrication points, less lubricant lost due to good water resistance, better component protection due to good anticorrosive behaviour, good adhesion due to high consistency, NSF-H1 registration, ISO 21469 certified – supports the compliance with the hygienic requirements in your production.	-60 until 110	Multi-purpose grease for food-processing and pharmaceutical industries
	PARALIQ GA 351	Al-Complex-Soap	Medical Whiteoil	Versatile lubricating grease reducing the number of different lubricants required on site, reduced loss of lubricant due to its resistance to aggressive media, increased process reliability due to excellent hot water resistance, ISO 21469 certified	-40 until 110	Special lubricating grease for the food and pharmaceutical industries
	PARALIQ GB 363	Al-Complex-Soap + Silicate	Medical Whiteoil	Reliable operation of beverage taps due to neutrality towards taste and beer froth, extended maintenance intervals due to very good resistance to hot and cold water and steam, NSF H1-registered for higher process reliability, ISO 21469 certified.	-30 until 140	Synthetic grease for valves and fittings in the food-processing and pharmaceutical industries





Products Greases , PARALIQ®

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	Product	Composition		Benefits	Temp	USP
	PARALIQ GTE 703	PTFE	Siliconoil	A reduction in your lubricant inventory with one lubricant which can be considered for both seals and rolling bearings, good compatibility when coming in contact with EPDM seals or even beer foam enhancing seal life and reduction in down time, high resistance to many types of media such as disinfectants, cleaning agents, water, steam ensuring maximum protection of both seals and bearings , enhancing life and operating cost reduction, NSF H1 registered supporting process reliability and approved according to WRAS	-50 until 150	Synthetic lubricating grease for valves & fittings with EPDM seals





Products Greases, PETAMO®



	Product	Composition		Benefits	Temp	USP
	PETAMO GHY 133 N	Polyurea	Mineraloil+ SHC	Reduced maintenance due to lifetime lubrication, wide service temperature range allows a variety of applications, reliable operation and long service life due to excellent protection against wear and corrosion, especially in water pump bearings and clutch release bearings	-40 until 160	Long-term and high-temperature grease for rolling bearings
	PETAMO GHY 441, 443	Polyurea	Esteroil	Tried-and-tested grease for long-term lubrication, less maintenance and high reliability, good load-carrying capacity prevents wear, hence longer bearing life, excellent water resistance and corrosion protection prevent premature bearing failure and help to reduce maintenance costs, reduction in grease consumption and high resistance to oxidation and ageing due to the synthetic grease formulation	-30 until 180	High-temperature and long-term lubricant for rolling bearings subject to high loads
	PETAMO GY 193	Polyurea	Esteroil	Long-standing field experience confirms the long-term lubricating effect of PETAMO GY 193 Operating costs are reduced, economical lubrication of rolling bearings in many applications, minimized risk in new applications, owing to its exceptional additives, PETAMO GY 193 prevents corrosion damage	-20 until 180	Tried-and-tested grease for the high-temperature and long-term lubrication of rolling bearings
	PETAMO III 350	Polyurea	Esteroil	Excellent wear protection, high thermal stability, free from raw materials containing silicone, excellent resistance to water, high ageing and oxidation stability, good corrosion protection	-20 until 200	High-temperature lubricant








Products Greases, POLYLUB®



	Product	Composition		Benefits	Temp	USP
	POLYLUB GA 352 P	Al-Complex-Soap	Mineraloil+SHC	Good water resistance, good adhesion, NSF H2-registered	-35 until 120	Adhesive long-term grease with good water resistance
	POLYLUB GLY 151, 151 Spray, 501, 801	Li-Spezcal-Soap (UV at 801)	Mineraloil+SHC	For many applications in connection with various plastics and elastomers, approved by many renowned manufacturers and suppliers in the automotive industry, e.g. DBL 6827.60, VW TL 52147, Ford WSD-M1 C244-A, Brose Fettgruppe 11 and many more, the integrated UV indicator allows a reliable lubricant detection (wave length 366 nm) even with minimum quantity Lubrication, contributes to mechanical damping and noise reduction of switches and contacts.	-50 until 150	Special synthetic lubricating greases for a wide application range
	POLYLUB GLY 791	Li-Special-Soap	Mineraloil+SHC	For metal/metal and plastic/steel material pairings, neutral towards many plastics and elastomers, provides good wear protection to fibre-reinforced plastics, good corrosion protection of metal mating surfaces	-40 until 150	Special synthetic lubricating grease for plain bearings subject to high loads and temperatures
	POLYLUB WH 2	Li-Soap	Mineraloil	Good adhesion properties, excellent low-temperature behaviour, good water resistance, good corrosion protection, can be applied via centralised lubrication systems, NSF H2-registered	-40 until 120	Multi-purpose grease






Products Greases, STABURAGS®



	Product	Composition		Benefits	Temp	USP
	STABURAGS® B 15 A, B 15 A 300	Na- soap+Silikat	Mineraloil	Contains EP additives, wear protection, suitable for use in central lubrication systems (STABURAGS B 15 A 300)	-20 until 140	High-temperature grease for the lubrication of rolling and plain bearings
	STABURAGS® N 12	Na-Complex- Soap	Mineraloil	Good corrosion protection	-20 until 140	Long-term lubricating grease
	STABURAGS® N 12 MF	Na-Complex- Soap +MoS2	Mineraloil	Good corrosion protection, reduces wear, good emergency lubrication properties due to solid lubricant	-20 until 140	Long-term lubricating grease for plain and rolling bearings
	STABURAGS® N 32	Na-Complex- Soap +MoS2	Mineraloil	Good emergency lubricating properties	0 until 140	High temperature grease for gas valves
	STABURAGS® N 4	Na-Complex- Soap	Mineraloil	Good thermal stability, resistant to aging	-30 until 140	Long-term lubricating grease for rolling and plain bearings
	STABURAGS® NBU 12-300 KP	Ba-Complex- Soap	Mineraloil	Good corrosion protection, good pressure absorption, resistant to water, reliable wear protection	-20 until 130	Long-term grease for rolling and plain bearings
	STABURAGS® NBU 12 ALTEMP	Ba-Complex- Soap+Solid Lubricant	Mineraloil	Good corrosion protection, resistant to hot water, suitable for assembly purposes, effective on lubrication points subject to external vibrations, protects against tribo- corrosion	-15 until 120	Lubricating grease for plain and rolling bearings


Products Greases, STABURAGS®



	Product	Composition		Benefits	Temp	USP
	STABURAGS® NBU 12 K, 30 K	Ba-Complex-Soap	Mineraloil	Good corrosion protection, excellent resistance to ambient media, high wear protection, good resistance to tribo-corrosion, good load-carrying capacity, good sealing effect	-15 until 130	Rolling and plain bearing greases
	STABURAGS® NBU 30	Barium-Complex-Soap	Mineraloil	Long component life due to good corrosion protection in humid and aggressive environment, good resistance to water, water vapor and many diluted alkaline and acidic solutions, good sealing characteristics, even with water, hot water, water vapor and aggressive media, high wear protection in a wide range of mechanical-dynamical , NSF H2-approved	-10 until 150	Lubricating grease with high resistance to ambient media
	STABURAGS® NBU 4, 12			Good corrosion protection, good resistance to ambient media, good resistance to tribo-corrosion, good load-carrying capacity, good sealing effect	-20until 130	Lubricating greases with excellent wear resistance
	STABURAGS® NBU 4 MF, STABURAGS® NBU 12 MF	Ba-Complex-Soap +MoS2	Mineraloil	Good pressure resistance in bearings subject to high loads, long component life due to good wear protection, trouble-free operation due to good sealing and corrosion protection, less maintenance due to long-term lubrication, emergency lubricating properties .	-20 until 130	High-performance lubricating greases for the long-term lubrication of rolling and plain bearings
	STABURAGS® NBU 8 EP	Ba-Complex-Soap	Mineraloil	Good resistance to ambient media, good wear protection / EP properties, protects against tribo-corrosion	-20 until 140	Rolling bearing and high-pressure grease


Products Greases, STABUTHERM®,




	Product	Composition		Benefits	Temp	USP
	STABUTHERM GH 461, 462	Polyurea	Mineraloil	Reduction of lubricant costs due to lower consumption, reduced waste water disposal costs due to excellent water resistance, considerable reduction of rolling bearing costs due to good wear protection, good load- carrying capacity and excellent corrosion protection, trouble-free operation of machines due to good pumpability and metering in central lubrication systems, low wear at high temperatures	-20 until 180	High-temperature lubricating greases

Products Greases, STRUCTOVIS®, UNIGEAR®






	Product	Composition		Benefits	Temp	USP
	STRUCTOVIS P LIQUID	Lithium-Soap	Polyglycol	Synthetic fluid grease for the long-term lubrication of gears, wide service temperature range, good wear protection, suitable for immersion lubrication up to 10 m/s peripheral speed	-35 until 130	Fluid gear grease

	Product	Composition		Benefits	Temp	USP
	UNIGEAR LA 02	Lithium-Seife	Mineraloil	Good adhesion, good wear protection	/	Gear grease






Products Greases, UNIMOLY®



	Product	Composition		Benefits	Temp	USP
	UNIMOLY GB 2	Silicate+ MoS2	Mineraloil	For lubrication points subject to high loads, emergency running properties, good dampening effect	-25 until 150	High-temperature grease for rolling bearings
	UNIMOLY GL 402	Lithium-Soap + MoS2	Mineralöoil	High-performance grease with MoS2, reduces wear, good corrosion protection, resistant to ageing and oxidation, good worked stability	-20 until 130	Adhesive long-term grease
	UNIMOLY GL 82	Lithium-Soap + MoS2	Mineraloil	High-performance grease containing MoS2, good corrosion protection, ageing and oxidation resistant, reduces wear, water resistant	-20 until 130	Lubricating grease containing MoS2



Products Greases, UNISILKON®



	Product	Composition		Benefits	Temp	USP
	UNISILKON GLK 112	Li-Complex-Soap	Siliconoil	Good low-temperature characteristics and wide service temperature range, good compatibility with elastomers and plastics, good wetting of functional surfaces	-50 until 180	Special grease for Bowden cables, seals and plastics
	UNISILKON L 200	PTFE	Silikonoil	Good sealing effect, high thermal stability, high resistance to many aqueous solutions, neutral towards many plastics and elastomers, e.g. ABS, PC, EPDM, NBR, excellent resistance to cold and hot water, water steam, certified acc. to DVGW-KTW and WRC	-40 until 160	Special lubricating grease for tap water and heating fittings
	UNISILKON L 250 L	PTFE	Siliconoil	Proven effective in valves and fittings as well as adjusting mechanisms in the drinking water, beverage, sanitary and heating sectors, certified acc. to international standards for valves and fittings, e.g. DVGW-KTW, WRAS, ACS, AS 4020, NSF Standard 61 and NSF H1, long-term protection of seals	-45 until 160	Special lubricating grease for drinking water, beverage and heating valves and fittings
	UNISILKON L 50/2	PTFE	Siliconoil	High-temperature grease with special raw materials for long-term and for-life lubrication. Versatile grease due to its good compatibility with aqueous solutions	-50 until 200	Lubricating grease for a wide service temperature range
	UNISILKON L 641	PTFE	Siliconoil	Excellent wetting power, operational smoothness due to a good viscosity-temperature behaviour, excellent resistance to hot and cold water, steam, high thermal stability, good sealing effect, neutral towards metals, elastomers and plastics, NSF H1 registered, certified acc. to DVGW-KTW, WRAS and NSF Standard 61	-40 until 160	Special grease for drinking water, beverage and heating valves




Products Greases, UNISILKON®



	Product	Composition		Benefits	Temp	USP
	UNISILKON L 643	PTFE	Siliconoil	Excellent wetting power, operational smoothness due to a good viscosity-temperature behaviour, excellent resistant to hot and cold water, steam, high thermal stability, neutral towards metals, elastomers and plastics	-40 until 160	Sealing and dampening grease valves and fittings
	UNISILKON LCA 3801	Ca-Soap	Siliconoil	For all types of material combinations like ceramics/ceramics, metal/plastic or elastomers, with load-bearing areas between 50 and 99.9 %, good wetting behaviour, good adhesion to different material surfaces, ensures consistent smooth operation over the entire lifetime of the component, operating torque nearly constant under changing temperatures, enabling constant smooth operation up to an admissible surface pressure of approx. 4 N/mm ² , very good resistance to both cold and hot water, good thermal stability even when applied in a thin film ensures a long functional lifetime of ceramic disc cartridges, good sealing effect and backflow from "lubricant depot", compatible with most ceramics, metals, elastomers and plastics, approved acc. to DGW-KTW (UBA guideline), NSF 61, ACS (further approvals on request) for use in all friction points exposed to water or in permanent contact with drinking water	-40 until 140	Special lubricating grease for drinking water valves and non-metallic material combinations


Products Greases, UNISILKON®





	Product	Composition		Benefits	Temp	USP
	UNISILKON TK 44 N 2, N 3	Na-Complex-Soap	Phenyl-methylsilicon oil	Special synthetic base oil allows wide range of applications and service temperatures, versatile grease due to compatibility with many plastics and elastomers, cost savings and extended service life due to good corrosion protection, resistance to ageing and oxidation	-40 until 180	Lubricating greases for rolling bearings subject to high service temperatures
	UNISILKON TK 44 N 2 REC, TK 44 N 2 REC A	Na-Complex-Soap	Phenyl-methylsilicon oil	Special synthetic base oil for a wide range of applications and service temperatures, versatility of application due to good compatibility with many plastics and elastomers, cost savings and extended component life due to good corrosion protection, resistance to ageing and oxidation, light-colored solid lubricants provide clean appearance, good emergency lubricating properties and additional benefits in the case of high surface pressures	40 until 180	Lubricating greases for high service temperatures
	UNISILKON TK M 1011, TK M 1012	Silicate	Siliconoil	High thermal stability, good resistance to low temperatures, resistant to ambient media, good water resistance, UNISILKON TK M 1011, approved acc. to DIN EN 377 class E, neutral towards EN 377 elastomers, e.g. SRE – NBR 1	-40 until 160	High-temperature lubricating, sliding and sealing agent

Products Greases, USBB 312®, VARILUB®



	Product	Composition		Benefits	Temp	USP
	US BB 312	Silicate	SHC	Synthetic, DVGW-KTW approval, good resistance to ambient media, good adhesion and sealing effect	-10 until 180	Adhesive special grease, e.g. for valves and fittings

	Product	Composition		Benefits	Temp	USP
	VARILUB ALZ 250	Al-Soap	Mineraloil	Good sealing effect, good pressure absorption capacity, good adhesion	-10 until 70	Grease for plug cocks, especially in coking plants
	VARILUB NBU 15-300	Ba-Complex-Soap	Esteroil+ SHC	Savings in costs for bearings due to the good corrosion and wear protection as well as pressure absorption capacity of the grease, therefore long service life and maintenance intervals, reduced wastewater disposal costs due to good water resistance resulting in a long service life and relubrication intervals, trouble-free operation of machines due to easy pump ability and metering in central lubrication systems	-30 until 130	Spindle bearing grease