

Brugarolas



Industrial lubricants



SPECIAL LUBRICANTS FOR

T E X T I L E
INDUSTRIES

“A Global Supplier
Since 1885”



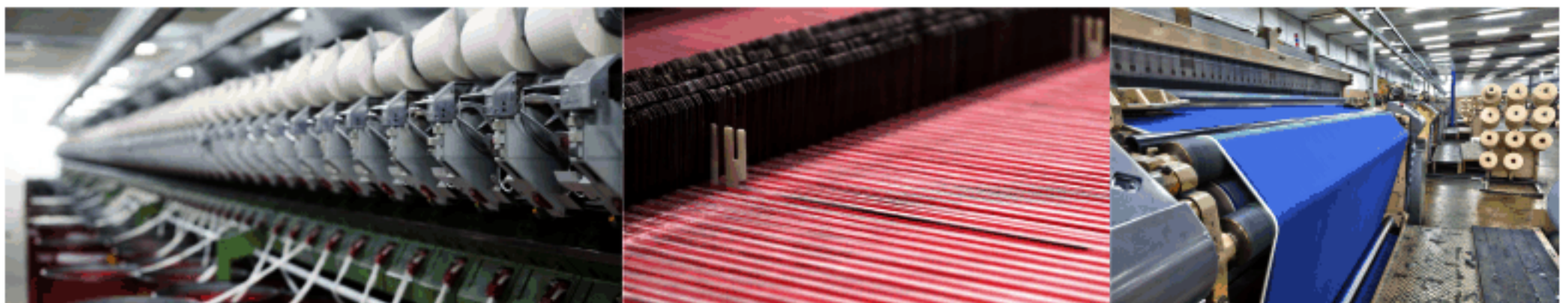


Spinning Units

Application	Product	Advantage/Benefits
1 Rotary Plate (plain bearing) in carders and Drawing frames	G.BESLUX TRIBOPASTE L-2/3 S	Long term lubrication lasting for weeks; minimized contamination and low wear operation
2 Top and Bottom drawing roller bearing in draw frames	G.BESLUX PLEXBAR M-1/2	Relubrication intervals may exceed the recommended intervals by far
3 Rolling bearings in the drawing assembly (Ring spinning frame) Top roller (ring spinning frame) Needle bearing in bottom drawing rollers (ring spinning frame)	G.BESLUX PLEXBAR M-1/2	Excellent corrosion protection and long term lubrication of bottom roller bearings (needle bearings)
4 OE spinning turbines and opening rollers (OE spinning frame)	G.BESLUX PLEX L-2/S	increased operational reliability and extended bearing life with very long relubrication intervals.

Synthetic Fibre Spinning Units

Application	Product	Advantage/Benefits
1 Spinning pumps	G.BESLUX BESSIL M-2	Uniform viscosity for exact metering adjustment and precise delivery. Low evaporation and sufficient residual oil for the start-up lubrication of preheated pumps. Separating effect towards many synthetic materials.
2 Spinerets	BRUSIL SPRAY	Protection against seizure of the spinerets Easy removal, Easy dismantling of the spinerets. No clogging of the spinerets and start-up of production at temperatures upto 180-200 C max
3 Godet bearing	G.BESLUX KOMPLEX HT-2/S	Long term lubrication and improved bearing life under extreme conditions
4 Filment coiling after drawing	G.BESLUX PLEX L-2/S	High operational reliability ensures accurate coiling of the filament
5 Thread guide slides and Zig-Zag winding guides	G.BESLUX PLEXBAR L-2/S	Temperature reduction due to less friction. Long maintenance intervals, Clean Lubrication
6 Travelling Knotter/ Splicer in Autoconer	BESLUX MOLYSPRAY	Easy application by spraying, High protection against wear. Long term effect, for the ball cups on the swivelling device, generally for the lubrication of all sliding points and connections after overhauling
7 Spindle can bearing and belt guide rollers	G.BESLUX PLEXBAR L-2	Substantial reduction of power requirement. Extended relubrication intervals of 5000 h or more Relubrication interval upto 10000 operating hours





Knitting Machines

Application	Product	Advantage/Benefits
1 Needle and sinkers in circular Knitting machines	BESLUX AROL 22	Spotless, washable oil with reduce the operating temperatures and against wear corrosion of the needles, thus reducing maintenance costs of production machines
2 Flat bed knitting machines	BESLUX AROL 46	Reduce the operating temperatures and against wear corrosion of the needles, thus reducing maintenance costs of production machines
3 Slide rails on flat bed knitting machines, thread guide box	G.BESLUX PLEXBAR L-2/S	Relubrication is usually necessary only once a week and looping of the thread is avoided in Jacquard equipment

Looms and Weaving machines

Application	Product	Advantage/Benefits
1 Bearing of drying cylinders and Calender roller in sizing dryers	BESLUX SINCART W 220 BESLUX PLEX BAR M-2	Compared with mineral oil, residue formation is substantially lower, and oil change intervals can be extended considerably (3 to 5 times longer)
2 Gripper looms	G.BESLUX TRIBOPASTE L-2/3	Allows extension of relubrication intervals to one month, even at extremely high speeds.
3 Motor coupling with brake and sliding block / Rapier guide roller and distributor cutter	G.BESLUX PLEXBAR L-2/S	The lubricants are smooth running greases with operational reliability and long service life
4 Weaving machine gear box	BESLUX SINCART W 100 or 150 BESLUX GEAR XP	Longer oil change intervals approx. 15000 op. hrs. Instead of approx. 5000 op.hrs. (Mineral oil)
5 Chains and for Open gears	BESLUX CADENAS BESLUX ENGRANAGES ABIERTOS	Excellent water protection combined with high adhesion allows extremely long relubrication intervals. Chain and gear lubricant, very adhesive, which prevents splashing, good damping properties. Suitable for spray heads with point and wide-jet application

Finishing Machines

Application	Product	Advantage/Benefits
1 Rolling bearing on washing and mercerising machines, dyeing machines and steamers	G. BESLUX PLEX BAR M-2	High operational reliability to water, hot water, aggressive vapours and other media encountered in textile finishing. Good corrosion protection & long lubrication intervals.
2 Corrosion protection for the inner lining of steamers	G. BESLUX PLEX BAR M-2	Reliable and economical long term protection, as it provides an internal coating which lasts for one year or more in most cases. Premature expensive replacement of the steamer lining is, consequently, not necessary
3 Chains in steamers	BESLUX RAMCA 320 BESLUX CHAIN AZ	New steamer wall materials may require a different long-term protection agent.
4 Bearing in steamers	G. BESLUX BESSIL EH-3	Water Resistant Grease





Finishing Machines

Application	Product	Advantage/Benefits
5 Fabric conveyor chains	BESLUX RAMCA 320 BESLUX CHAIN AZ	Separating effect on condensates and consequently less build-up of residues. Efficient lubrication of the chain links, rolling bearings and slide rails under varying operating conditions (speed, temperature, stretching tension) . Low power consumption with practically wear-free operation. Synthetic sliding surfaces on stenter chains with special lubricant requirements in items of evaporation, formation of residues, regenerative capacity, friction and wetting behaviour. The special chain oil meets all requirements and has a considerably better viscosity-temperature behaviour than previous standard chain oils.
6 Chains in dryers for printed fabrics	BESLUX RAMCA 320 BESLUX CHAIN AZ	Separating effect on condensates and consequently less build-up of residues. Effective lubrication of the chain links at high operating temperatures. Low energy requirement of the machine and virtually wear; free operation.
7 Needle bars clips	BRUSIL SPRAY	Smooth opening and closing of clips ensured by small lubricants quantities (acting as release agent) which keeps needle bars and clip table clean.
8 Rolling bearings of electric motors in dryers (indirect drive)	G. BESLUX KOMPLEXL-2 AZUL G.BESLUXPLEX NA M-2/BM	Long relubrication intervals. Wear protection under boundary friction conditions. Reliability at operating high temperature.
9 Rolling bearings in fans and exhaust fans in dryers (direct drive)	G. BESLUX KOMPLEXL-2 AZUL G.BESLUXPLEX NA M-2/BM	Long relubrication intervals. Wear protection under boundary friction conditions. Reliability at operating high temperature.
10 Width adjustment spindles	G.BESLUXPLEX NA M-2/BM	Largely prevents the build-up of lint and contamination. Consequently, easy and accurate width adjustments is possible requiring comparatively little maintenance.
11 Rolling and plain bearings in heated calenders	BESLUX SINCART W 220/460 BESLUX GEAR XP	Can be delivered through oil pumps and pipe systems. Also at room temperature. At higher temperature upto 150C or short peaks upto 180C (maximum film temperature 225 C These oils have a higher viscosity than mineral oils of a similar ISO viscosity grade and fulfill the demands for the required full fluid film lubrication.
12 Rotary couplings in steam heated finishing machine	G.BESLUX KOMPLEX HT-2/S G.BESLUX FLOUR H-2	Particularly good resistance to aggressive media. High water protection, Good sealing effect.
13 Compensator and guide roller bearing in Hot flue finishing machine	G.BESLUX FLOUR H-2 G.BESLUX KOMPLEX HT-2/S	Very good resistance to aggressive media and temperature. Excellent lubricating properties.





Other application in textile industries

Application	Product	Advantage/Benefits
1 Spur / bevel and worm gear boxes	G.BESLUX SINCART W BESLUX GEARSINT, BESLUX GEAR XP	Good friction behaviour resulted in gear temperature reduction by 10 K or more Oil change intervals are at least three times as long as those of mineral oils.
2 Electric motors / fans bearings	G.BESLUX KOMPLEX L-2 AZUL G.BESLUXPLEX NA M-2/BM	Lubricants are characterized by a wider service temperature range and an extremely high resistance to temperature and speed.
3 Screw type compressor	BESLUX AIRSCREW BESLUX ULTRASINT	Clean compressor thanks to good oxidation stability. Oil change intervals at least three times longer than those of mineral oils. When changing over from mineral oils, energy cost cutting by 3 to 5% are possible.
4 Rotary vane compressors	BESLUX AIRLUBE BESLUX AIRSINT	Low tendency towards residue formation reduces deposits and gluing of vanes. Oil change intervals at least three times longer than those of mineral oils. When changing over from mineral oils, energy cost cuttings by 3 to 5% are possible

Lubricating Grease

PRODUCT	NLGI	Base Oil	Working Temperature
1 G.BESLUX TRIBOPASTE L-2/3S	2/3	Synthetic	-40 / 400 C
2 G.BESLUX PLEXBAR M-2/1	2/1	Mineral	-15 / 150 C
3 G.BESLUX PLEX L-2/S	2	Synthetic	-40 / 180 C
4 G.BESLUX BESSIL M-2	2	Silicon	-55 / 200 C
5 G.BESLUX KOMPLEX HT-2/S	2	Synthetic	-30 / 200 C
6 G.BESLUX PLEXBAR L-2/S	2	Synthetic	-40 / 150 C
7 G.BESLUX PLEXBAR L-2	2	Mineral	-15 / 150 C
8 G. BESLUX PLEX BAR M-2	2	Mineral	-15 / 150 C
9 G.BESLUX BESSIL EH-3	2	Silicon	-35 / 200 C
10 G.BESLUXPLEX NA M-2/BM	2	Mineral	-20 / 150 C
11 G.BESLUX KOMPLEX L-2 AZUL	2	Mineral	-40 / 150 C
12 G.BESLUX FLUOR H-2	2	Synthetic	-30 / 250 C

Lubricating Oil

PRODUCT	ISO VG Grade	Flash point deg C	Pour point deg C	Base Oil
1 BESLUX AROL 22	22	180	-12	Mineral
2 BESLUX AROL 46	46	205	-10	Mineral
3 BESLUX SINCART W	68/1000	265	-33	Synthetic
4 BESLUX RAMCA 320	320	230	-22	Synthetic
5 BESLUX GEARSINT	68/680	250	-40	Synthetic
6 BESLUX XP	68/3800	210	-12	Mineral
7 BESLUX AIRSCREW	46	220	-30	Mineral
8 BESLUX ULTRASINT	46/68	250	-45	Synthetic
9 BESLUX AIRLUBE	32/150	200	-09	Mineral
10 BESLUX AIRSINT	68/150	270	-35	Synthetic

Sprays

Product	Description
1 BRUSIL SPRAY	SILICON SPRAY
2 BESLUX CADENAS	HIGH TEMPERATURE CHAIN SPARY
3 BESLUX ENGRANAJES ABIERTOS	OPEN GEAR SPRAY
4 BESLUX MOLY SPRAY	MOS2 SPRAY

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Brugarolas researches, develops, manufactures and supplies lubricants for various industrial activities tested by the highest quality control systems worldwide, meeting the following ISO standards: IQNET ISO 9001, ISO-TS16949.



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