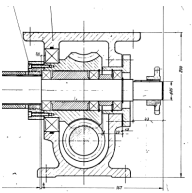
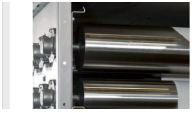

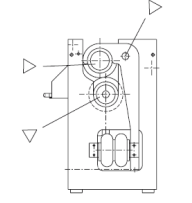






No.		Name of lubricant	Lubrication point	Application of lubricant
1		PREMIUM HT OIL PREMIUM HT PLUS OIL PREMIUM HT OIL PREMIUM HT PLUS OIL	Fabric conveyor chains Vertical slide chain, with sliding pieces (Only lubrication of bolts) Vertical slide chain, without sliding pieces (Lubrication of bolts and sliding surfaces) Horizontal slide chain, oil plates (Lubrication of bolts and sliding surfaces) Fast running chains ; T = approx. up to 230°C Slow running chains ; T = approx. up to 250°C Pinion for return wheel of the fabric conveyor chain High rotational speeds ; T = approx. up to 230°C Low rotational speeds ; T = approx. up to 250°C	Relubrication with oil metering can, drip oiler or automatic metering device. Before relubrication of bolts the oil pockets must be cleaned. Relubrication intervals and dosages for bolts, sliding parts and slipways have to be adapted to the working conditions.
2		DURATA HT 56-01/-02 RELABO GBS 193 / STRONGANA M 9 EP (till 180°C)	Bearings of air circulation fans (Brand: SIEMENS) - A-Bearing: Working temperatures up to 260/250 °C - B-Bearing: Working temperatures up to 175 °C Bearings of exhaust air fans Bearings and shafts for: Return wheels of the fabric conveyor chain, cooling chamber, main drive and fans.	Clean and grease newly during revision. Relubrication: A-Bearing: After approx. 4.000 wh. (20 g). B-Bearing: After approx. 4.000 wh. (10 g). After approx. 4.000 wh. Relubrication: Weekly
3		STRONGANA M12 FS / STRONGANA M 9 EP SILKOPEX L 200 Spray	Cloth-feeding device Pinning gear, Selvedge uncurler gear (Brand: E+L) Sliding surfaces of automatic chain tensioner Pin plates and clip tables	Relubrication: Every 200-4000 wh. resp. on demand. For mineral oil based greases check more often. Before relubrication clean and remove old grease residues.
4		MolybDry TL5 Spray	Friction points inside / outside the dryer Spindles and spindle nuts, as well as sliding parts of the slide console for width adjustment (unless lubrication not required), Chain wheels, gears, gear racks and other sliding points, e.g. at on cloth passage sliding elements, slide doors and rope pulleys of the nozzle body lifting device.	Relubrication: Up to 180°C circulating air temp.: Every 250 wh., Over 180°C: Every 100 wh., The width adjustment spindles must be checked weekly. Applied on cold machine: Remove fluffs and relubricate every two weeks (approx. 4000 wh.), resp. on demand. Afterwards it must be moved multiply.
5		STURGIS BHD Spray	Roller chains According to DIN 8187 for chain drive of the Inlet construction For chain drive of the plaiter in the outlet construction	Relubrication: Approx. every 1.000-2.000 wh. Apply lubricant on demand. Clean well before, do not over-lubricate. Relubrication: Approx. every 1.000-2.000 wh.

6		<p>Galeeon No.1 Spray</p>	<p>Gear drives Gearing of drive pinion, gear rack and and guide pulley-track of the Guiding device (Brand: E+L) Spindles, sliding shafts</p>	<p>Relubrication: Approx. after 500 wh. / Weekly. Refill shortages on demand. Observe manufacturer' s instructions.</p>
7		<p>SILKOPEX L 50 DURATA HT 56-02 SILKOPEX L 50 (till 200°C) DURATA HT 56-02 STRONGANA M 9 EP</p>	<p>Friction points directly at / inside the dryer: Roller- and plain bearings as well as shafts, like in the rollers / drums (KRANTZ KM 16-1) Working temperatures up to 200 °C Working temperatures up to 250 °C as well as bevel gears of the width adjustment in Double-, Multilayer-, and Duplex stenters. Bearings of the rotary flap of the belt-dryer tumbler Clutch of the rotary flap of the belt-dryer tumbler</p>	<p>Relubrication: After 100-150 wh. (weekly) After 250-1000 wh. (weekly) After 2000 wh. Every 1000 wh. Inicial lubrication: 19,5 g, Relubrication qty.: max. 15,6 g After 3000 wh. or 6 months. Filling according to manual of the clutch manufacturer.</p>
8		<p>STRONGANA M12 FS / STRONGANA M 9 EP / RELABO GBS 193 RELABO GBS 130 AVADA 2 EP PREMIUM GEAR 68</p>	<p>Friction points outside the dryer: Roller- and plain bearings Bearings of electric motors (drives) Working temperatures up to 180 °C Working temperatures up to 160 °C Working temperatures up to 140 °C Roller- and plain bearings (sintered)</p>	<p>Relubrication: Roller bearings: Every 250 wh. Check bearings of rollers quarterly, relubricate on demand. For mineral oil based greases check more often. Plain bearings: On demand, clean and refill with fresh grease annually. Sintered bearings: Lubrication with automatic metering device. Relubrication intervals and dosages have to be adapted to the working conditions.</p>
9		<p>AVADA 2 EP / STRONGANA M 9 EP</p>	<p>Bearings of rollers inside the paddler / straightener Working temperatures up to 140 °C (Brand: Bianco) Working temperatures up to 180 °C (Brand: E+L)</p>	<p>Observe manufacturer' s instructions!</p>
10		<p>STURGIS FHD</p>	<p>Continuesly variable gearbox e.g. PIV</p>	<p>Observe manufacturer' s instructions! Check oil level regularly, poss. Refill shortages. Lube change at least once a year.</p>
11	  	<p>PREMIUM GEAR 320 / SYNTEC PG 320 PREMIUM GEAR 220 PREMIUM GEAR 320 / SYNTEC PG 320</p>	<p>Main drive gear (Brand: Bonfiglioli, Type: A 603) Gear reducer (E+L Straight, -Padder) Worm gears (Brand: Bonfiglioli, Type: W 86) e.g. worm gears of width adjustment Spur gears (Brand: Bonfiglioli, Type: A 302 / C112)</p>	<p>For motors type A 603 und W 86: First lube change after 300 wh. Further after 12.500 wh. - dependent on oil temperature. When changing from PREMIUM GEAR oil to SYNTEC PG oil flush with SYNTEC PG oil heated up to max. 80°C. Observe oil level. Type A 302 / C112: Life time lubrication. (Observe manufacturer' s instructions)</p>

Lubrication Table - KRANTZ



iNTERSPARE Lubricants · Röntgenstraße 31-33 · D-21465 Reinbek

12		PREMIUM 68 HLP Oil	Hydraulic station and compressed-air maintenance Hydraulic unit for automatic chain tensioner	Observe regularly.
13		PREMIUM Special X Spray	Width adjustment: Spindles and spindle nuts Sliding pieces of slide console (Brand: KRANTZ – Made of plastic: Torlon or PEEK)	(Lubrication-free) Observe regularly, OPTIONAL: Relubricate at the beginning of noise generation.