## Lubrication solutions for mill bearings exposed to water or coolant

Equipment bearings in tube manufacturing face heavy exposure to water-based coolants which can wash out the grease. Grease consumption is often increased to flush the bearings - wasting grease and contaminating coolant systems. Bearing failures with resultant down-time still typically persists. Our line of heavy duty polyurea greases have maximum water washout resistance in these areas. Suitable for all types of production, such as welded, seamless, and pilger mills, and materials like steel and copper.

As a global leader in lubricants for the steel market, BECHEM has developed this line of specialized lubricants for the tube industry utilizing polyurea (polymer) grease technology. Proven by the worlds largest steel manufacturers this technology provides these key advantages to tube manufacturers:

- Exceptional water resistance
- Reduced grease consumption
- High load capability
- Corrosion resistance
- High temperature capability
- Compatibility with coolants and water treatment facilities in water washout tests

BECHEM offers ancillary products such as pastes and sprays, heavy duty greases for secondary processes and furnaces and lubrication solutions for metalworking processes to significantly reduce equipment costs associated with down-time, labor, and repairs. BECHEM's experienced engineering and sales team is available for on-site assessment of your productions processes.



Tube mills require specialized lubricants to protect equipment in areas of high loads, water exposure, and high temperatures

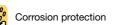


Extraordinary water resistance is provided by these specialized and proven lubricants



PRODUCT	Base oil	Thickenet	NLGI-O	ade Kinamatovis	scosity of the service	ce tempere	Applications	Desi
Berutox M 21 EPK	Mineral oil	Polyurea	1-2	490 32	-20	+160	Heavy duty rolling mills and upper weld mill bearings	Multi- protect repelle
Berutox M 21 Plus	Mineral oil	Polyurea	1	500 34	-10	+160	Heavy duty rolling mills and pilger mills	Long- excell EP-pr
Berutox M 21 HT	Mineral oil	Polyurea	1-2	490 32	-20	+180	Bearings exposed to extreme tempera- tures, such as upper weld mill bearings	Long- even a wear
Berutox M 21 KN	Mineral oil	Polyurea	1-2	490 32	-20	+180	Medium duty forming mills and seamless mills	Long- excell EP-pr
Berutox FE 18 EP Î ⓒ 拳 ⊕ ۞ ○	Mineral oil	Polyurea	2	100 11	-20	+140	Mills that are centrally lubricated and seamless mills	High- excell pump
BECHEM High-Lub FA 67-400 KS 🛱 😳 📿 🖄	Mineral oil	Lithium- Calcium-Soap	2	400 30	-20	+140	Heavy duty bearings with moderate expo- sure to water and elevated temperatures	Long- resista lubric
Beruplex CS 2 EP	Mineral oil	Calcium complex soap	2	150 13	-25	+140	Plain and roller bearings, spindles, and joints with moderate exposure to water and elevated temperatures. Central lubrication systems	EP-gr excell syster
BECHEM High-Lub LFB 2000	Mineral oil	Lithium- Calcium-Soap	2	180 15	-20	+140	Bearings and threaded spindles in dirty environments	EP-gr and w light-o
Berusynth CU 250	Ester	-	-	250 24	-30	+250	Oven and machine chains exposed to high temperatures or moisture	High-t and cr no for
BECHEM High-Lub FA 50 MO Î 蓉 ☺ ◯ 憖	Mineral oil	Lithium- Calcium-Soap	2	1200 47	-20	+120	Slow moving couplers under heavy loads	Long- tance, highly





Chains

High loads

PROPERTIES

ti-purpose grease for plastic/metal slide pairings, high corrosion and wear tection, good adhesion, resistant to oxidation, water, and steam, water ellent. EP-properties

g-term lubricating grease, outstanding consistency-temperature-behavior, ellent dry running properties, excellent corrosion and wear protection, properties

ng-term lubricating grease, outstanding consistency-temperature behavior n at overheating, excellent resistance to water, excellent corrosion and r protection, EP-properties

g-term lubricating grease, outstanding consistency-temperature-behavior, ellent resistance to water, excellent corrosion and wear protection, properties

n-performance grease to lubricate high-speed roller and plain bearings, ellent water resistance, excellent corrosion and wear protection, excellent npability

g-term lubricating grease, good sealing qualities, excellent water stance, outstanding corrosion protection, good pumpability in central ication systems, EP-properties

grease, wide application temperature range, excellent water resistance, ellent corrosion protection, excellent pumpability in central lubrication ems, high load-carrying capacity

grease, wide application temperature range, excellent pumpability water resistance, excellent corrosion and wear protection, contains -colored solid lubricants, emergency running properties

temperature chain oil, wide application temperature range, excellent wetting creeping properties, hot and cold water resistant, good corrosion protection. ormation of critical residues, H2-registered, adjusted to Berusynth CC 100

g-term lubricating grease for high to very high loads, excellent water resisce, excellent corrosion protection, even if there is risk of standstill corrosion, hly viscous mineral oil, contains solid lubricants and EP-additives

All indications and values correspond to latest knowledge and do not represent any product specification







Good pumpability

High temperatures

Resistant to water