



Special lubricants
for pellet presses



BECHEM
LUBRICATION
TECHNOLOGY

For more efficiency and operating safety

Pellet plants have been used for many decades to produce pellets for the fuel, energy and feedstuff markets. Because of the globally rising demand for pellet products, the production volume and consequently the demand for updated and more complex machines and systems with considerably greater output is increasing as well.

To ensure safe plant operation and a long machine life at the same time, high-performance lubricants play an important role. They must ensure the reliable lubrication of the strongly strained roller bearings in the Koller drive with raised requirements regarding productivity, plant availability and energy efficiency at simultaneously longer service intervals. Furthermore, the lubricant products must be compatible with the plastic and elastomer materials used and be NSF H1-certified for use in the food and feedstuff industry for occasional contact with food products.

| | PRODUCT | | | | | | | Properties | |
|--------------------|---|---------------------------|------------------------------|---|--------------------------------|------------------------|-----------------------|--|--|
| | Base oil | Thickener | NLGI class | Base oil viscosity [mm ² /s] at 40 °C / 100 °C | Service temperature range [°C] | Certificate compliance | Application | | |
| Feedstuff industry | Berulub FG-H 2 EP 🔧 ⚙️ 🌡️ 🌧️ 🍴 | Synthetic oil | Special calcium complex soap | 1-2 | 150 18.5 | -40 +160 | NSF-H1, Halal, Kosher | Koller bearings, roller and sliding bearings, for high pressures and shock loads, joints and guides, central lubricating systems, suitable for occasional, technically unavoidable contact with foodstuff | Universal lubricant, high wear and corrosion protection, resistant against aging, water, disinfection and cleaning agents, very good conveyance characteristics even at low temperatures, suitable for central lubrication systems 🏭 |
| | Berulub WP 402 H1 🔧 🌡️ 🌧️ 🍴 | Synthetic oil combination | Aluminum complex soap | 1-2 | 400 30 | -20 +150 | NSF-H1 | | Lubricating grease for bearings and sliding points exposed to strong stress and/or shock loads, EP properties, very good water resistance |
| | Berulub FB 34 🔧 ⚙️ 🌡️ | Polyalpha-olefin (PAO) | Aluminum complex soap | 1 | 400 40 | -40 +160 | NSF-H1 | Synthetic universal lubricant, neutral in odor and taste, hot-water resistant, good corrosion and wear protection, suitable for central lubricating systems, bright color, also available in NLGI class 0 and 00 🏭 | |
| Wood industry | BECHEM High-Lub LT 2 EP-400 🔧 🌡️ 🌧️ 🍴 | Mineral oil | Lithium soap | 2 | 430 27 | -20 +140 | | Koller bearings, roller and sliding bearings, bearing points exposed to extreme temperature stress | Heavy-duty grease, wide service temperature range, very good water resistance, very good corrosion protection, good conveyance characteristics, increased base oil viscosity, EP properties |
| | Berutemp 490 RS 🔧 🌡️ 🌧️ 🍴 | Mineral oil | Polyurea | 1-2 | 490 32 | -20 +180 | NSF-H2 | | Long-term lubricating grease, very good consistency temperature behavior, high corrosion protection, very good water resistance and good conveyance characteristics, very good wear protection, strong adhesion, EP properties |

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

PROPERTIES



High loads



Low temperatures



Corrosion protection



Good pumpability



High temperatures



Water resistant



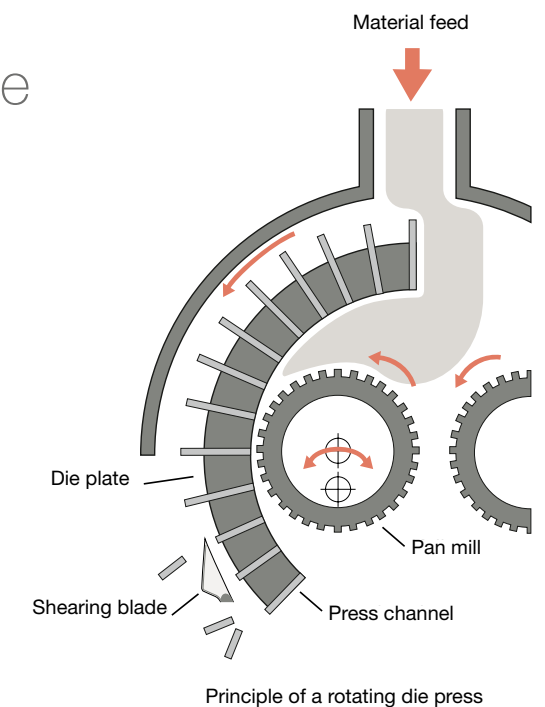
Food grade/ Pharmaceutical technology

Reliable under extreme conditions

Be it when re-lubricating mobile presses or lubricating large systems, BECHEM lubricants easily meet strict requirements such as extreme pressures, shock loads and high operating temperatures in bearings, sliding points and drives by virtue of their good consistency temperature behavior, excellent EP/AW properties (Extreme Pressure/Anti-Wear) and corrosion protection. They stand out in central lubrication systems for their excellent conveyance behavior.



» BECHEM high-performance lubricants reduce the risk of outages and increase plant efficiency. «



Lubrication solutions for industry



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