



LUB[®] bend

PRODUCT INFORMATION

The new generation of tube bending lubricants

Our bending lubricants ensure an excellent lubricating effect through targeted selection of raw materials while at the same time achieving maximum heat dissipation.

Our products are developed and manufactured on the basis of environmentally and workplace-friendly raw materials. They are characterized by the following properties:

- Oil-free, chlorine-free, silicone-free and heavy metal-free
- no VOC product
- Skin-friendly
- No hazardous substance
- Biodegradable

The superior cooling effect of the lubricant technology, combined with the excellent lubrication and wear protection performance, ensured in the area of bending and forming of high-alloyed materials and special materials consistent product quality and longer tool life. Further on it reduces the lubricant consumption up to 40%.

The following product series are available

LUB[®]bend G series

High performance lubricants for light to heavy duty forming operations

LUB[®]bend 800 series

High performance lubricants for the heaviest forming operations

In addition to the challenges of modern machining methods and high-performance tools (such as high wear protection, new tool coatings, new dosing techniques, environmental / workplace safety, etc.), our products stand for sustainability and efficiency:

- Optimal cooling effect
- Excellent lubrication performance
- Excellent wear protection
- Reduced lubricant consumption
- further processing WITHOUT washing
- best corrosion protection

The residue behavior of the products, in most cases, allows the parts to be further processed without washing processes (for example welding). If even higher levels of cleanliness are required, cleaning with water or mild alkaline cleaner is usually sufficient.



Natural High Tech

Made in Germany

Dispensing

With our LBI-DS-system you apply the lubricant through the mandrel into the tube. With special mini nozzles (M6 or M8) a uniform and thin film can be applied in 360°. With the system 2 lubrication points can be supplied at the same time (e. g. mandrel and wiper die).

The fluid is supplied either through a coaxial hose or 2-hose line to the mandrel or wiper die. With 2 solenoid valves the atomizing air and the control air are activated. The pressure of the spray air and the tank are set separately with pressure regulators.

The applied amount is set by the opening time of the control air solenoid valve, the adjustment of the dispensing valve and the tank pressure.

Advantages

- Clean and easy application
- 40% to 60% less lube consumption
- Dry tubes after bending
- Precisely adjustable and repeatable amount
- Uniform spray pattern with high repeatability
- Easy handling
- From low to high viscosities
- Retrofit system for older bending machines

Applications

The products are applied diluted or as delivered depending on the application by spraying technology, felt roller or manually applied by brush or cloth. With regard to the dispensing technology, we will gladly advise you and/or provide you with test or loan equipment upon request.

Further product ranges & areas of application

LUB[®]sol series

Evaporating lubricants for medium to heavy Forming, punching / bending and deep drawing operations

LUB[®]cut series

High performance cooling lubricants for machining and loops, as well as MQL (minimum quantity lubrication)

LUB[®]form series

Products for forming, stamping and Fine cutting operations

LUB[®]clean series

Products for cleaning and corrosion protection