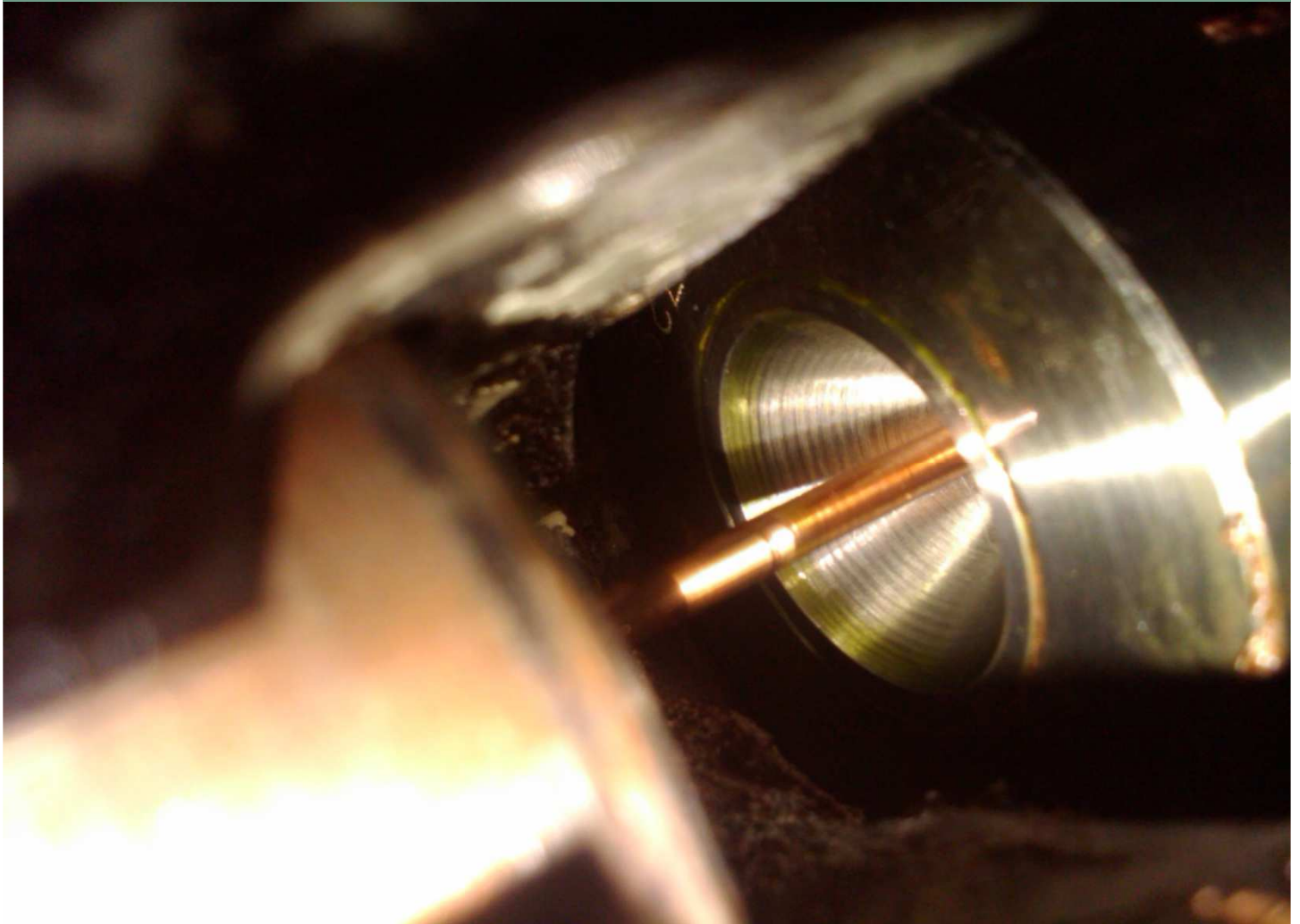


Brugarolas



Industrial Lubricants



BESTRIL

Copper and Aluminium wire-drawing



BESTRIL product range intended for wire-drawing is composed by, water soluble fluids for Copper and Copper alloy wire-drawing; and pure oils for Aluminium and Aluminium alloy wire-drawing. Products displayed here, result of a vast experience and cooperation process with customers in wire-drawing activities. This has permitted perfectioning of our products that perform at the highest levels possible, making our customers very pleased.

COPPER & COPPER ALLOYS WIRE-DRAWING

BESTRIL products for this application, are water soluble fluids that are formulated specially with last-generation synthetic components, and top-end refined mineral oils. The special design of these products grant them very good properties, allowing them to perform well with all machinery or process, from rod breakdown to the wire-drawing of last generation multiwire machines that work at very high speed.

The main advantages that our copper wire-drawing products enhance are:

- Unexistent or very low foam formation
- High lubricating properties for each process
- Very good moistering properties
- Very good cleaning machine, die and cone properties
- Excellent performance at both, lubricating and cleaning action
- Great aging stability, emulsion long life
- Long life of die and cones
- Good dispersing and decanting Copper dust properties
- Good emulsion filterability

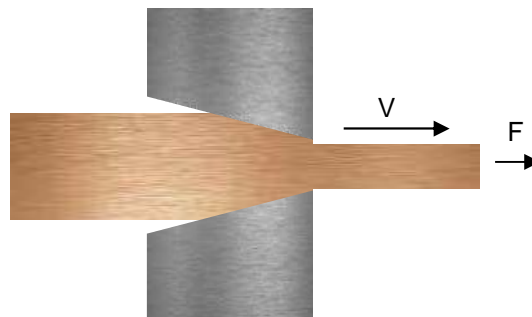
ALUMINIUM & ALUMINIUM ALLOY WIRE-DRAWING

BESTRIL products for this application are, neat oils with a very precise mineral base and synthetic components with great lubrication properties. The mineral base formulated, is high quality proven and is always carefully selected.

BESTRIL product range meets all demand requirements given by customers. From food grade products to part processes, including rod breakdown and multiwire machines that work with very thin wires at high speed.

Main advantages of our Aluminium wire-drawing products:

- Good lubricating properties since the first time bath starts functioning.
- Good anticorrosive properties.
- Excellent surface finish. The wire ends-up with a shiny look.
- Good performance at high and low temperatures.
- Good moistering properties in the wire-drawing process.
- Long duration of the dies.
- Foam is not created in the deposits.
- Wide range of products that guarantees high performance in all processes.



COPPER WIRE-DRAWING

Product	Description
BESTRIL 230	Water soluble fluid, for medium and thin wire-drawing. Specially indicated for Copper and tinned copper. Multiwire drawing machines with non-immersed dies
BESTRIL 230-A	Water soluble fluid, for medium and thin wire-drawing. Specially indicated for Copper and tinned copper. Multiwire machines that work a high speed with non-immersed dies
BESTRIL 231	Water soluble fluid, for thick, medium and thin wire-drawing. Multiuse fluid specially indicated to fulfill all Copper process wire-drawing requirements. Multiwire machines that work at high speed with non-immersed dies. Specially indicated for rod breakdown with immersed dies.
BESTRIL 1700	Water soluble fluid for Copper rod breakdown. Machines with Non-immersed die up to 3 wires.
BESTRIL 235 R	Water soluble fluid intended for continous annealing of Copper wires.
BESPAST RC	Specially designed paste formulated for rod breakdown in box
DENSOLINA RVTM	Low viscosity non-soluble oil, specially indicated to protect the wire and help winding. It must be applied by spray.

BESTRIL

Copper and Aluminium wire-drawing



ALUMINIUM WIRE-DRAWING

<i>Product</i>	<i>Viscosity at 40°C</i>	<i>Description</i>
BESTRIL AL-350	900 mm ² /s	High viscosity oil for thick and medium wire-drawing. Machines with immersed dies.
BESTRIL AL-399	520 mm ² /s	High viscosity oil for thin, thick and medium wire-drawing. Machines with immersed dies.
BESTRIL AL-31E	500 mm ² /s	High viscosity and sticky oil, intended for food industry wire protection.
BESTRIL AL-200	210 mm ² /s	Medium viscosity oil for thin and medium wire-drawing. Machines with non-immersed dies.
BESTRIL AL-IN	147 mm ² /s	Medium viscosity oil for thick, medium and thin wire-drawing. Machines with non-immersed dies. Good viscosity Index that allows oil pumping at medium-high temperatures.
BESTRIL AL-320	145 mm ² /s	Medium viscosity oil for thin and medium wire-drawing. Machines with non-immersed dies.
BESTRIL AL-GA	100 mm ² /s	Medium viscosity oil for thin and medium wire-drawing. Machines with non-immersed dies. Specially indicated for Aluminium wires used in the food industry.
BESTRIL 249	20 mm ² /s	Low viscosity oil. To use as an additive in order to lower viscosity.
BESTRIL AL-387	10 mm ² /s	Low viscosity oil for thin wire-drawing. Multiwire machines with non-immersed dies.
BESTRIL AL-TRE	7 mm ² /s	Low viscosity oil for thin wire-drawing. Multiwire machines with non-immersed dies. Al-Mg-Mn alloy with a 3% of Mg. Diameter up to 0.16 mm
BESTRIL 248	6 mm ² /s	Low-viscosity oil. Skin pass process for wires applied in food industry

