

Klübertec ST 4-702

Stamping and forming fluid with residue-free evaporation



Benefits for your application

- Excellent stamping and forming properties
- Residue-free evaporation
- Compatibility with paints without pre-degreasing of metal components
- Micro-dosage
- Low consumption

Description

Klübertec ST 4-702 is a thin-bodied mixture of glycol and aliphatic hydrocarbons. Its synthetic structure provides improved lubricity during the stamping of metal sheets plus a wear reducing effect on machine tooling. As Klübertec ST 4-702 evaporates without forming residues it can be used for stamping and forming processes of parts which are not cleaned prior to e.g. painting, welding or glueing.

Application

- Stamping and forming of metal sheets of all types, e.g. for electric motors and components; sheet thickness up to 2.5 mm
- Easy to medium forming processes, especially if there are no additional cleaning steps
- Stamping and fine blanking of metals, such as
 - aluminium and aluminium alloys
 - non-ferrous metals
 - steels
- Drawing, rolling, edging and folding of e.g. drums and drum lids

Application notes

Klübertec ST 4-702 can be applied by

- spraying
- rolling (by felt rollers)
- spot application
- immersion

over the entire width of the sheet or on predetermined parts.

Evaporation upon process completion can be accelerated by moving air (fan, etc.) or heat (not above 60 °C).

Where Klübertec ST 4-702 comes up against its limitations, Klübertec ST 4-401 can be used as an alternative. With its additional oil content, it offers higher performance, however it will leave some residues when evaporating.

Material safety data sheets

Material safety data sheets can be requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	Klübertec ST 4-702
Canister 20 l	+
Drum 200 l	+

Product data	Klübertec ST 4-702
Article number	046068
Appearance	clear
Colour space	colourless



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Product data	Klübertec ST 4-702
Density, DIN 51757, 20 °C	approx. 0.78 g/cm ³
Flash point, DIN EN ISO 2719, Pensky-Martens, closed cup	62 - 70 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 months

Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 80 years.

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The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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