

# Klübercut ST 6-703

Metalworking oil for nonferrous metals



## Benefits for your application

- **Excellent stamping and cutting properties**
- **Environmentally compatible, no disposal**
- **Better working environment**
- **Micro-dosage**
- **Low consumption**

## Description

Klübercut ST 6-703 is a thin-bodied mixture of glycol and aliphatic hydrocarbons.

Its synthetic structure provides improved lubricity during the cutting of non ferrous metals plus a wear reducing effect on machine tooling.

## Application

- sawing and profiling of barstock made of brass or aluminium
- stamping and deburring of diecast parts and aluminium sheets
- medium cutting processes, e.g. drilling, milling and boring

## Application notes

As Klübercut ST 6-703 is used undiluted, only a very small quantity is required at the friction point, i.e. the point of contact between the tool and the workpiece. Micro-dosing is a technical development enabling reduced environmental impact.

Product advantages include:

- only minute oil residues remain on the swarf; the swarf can be directly transferred to the scrap cycle for reprocessing
- no disposal of coolants, no separation and disposal of used emulsions are necessary

- improved tool life and surface quality; the undiluted metalworking oil reduces friction and heat generation.

The successful application of Klübercut ST 6-703 is based on using only minimal quantities by way of micro-dosage. Klübercut ST 6-703 proves its efficiency via lubrication with extremely low quantities and not via cooling with large quantities. This ensures practically dry machines and component parts. Reduced airborne oil mist clearly improves the working environment.

Klüber Lubrication can assist the selection of suitable microdosing equipment for application of Klübercut ST 6-703.

Where higher demands are required, the lubricating film thickness can be increased by adding Klüberfluid 9 R 100, thus increasing the forming capacity.

### Miscibility

Klübercut ST 6-703 is miscible with Klüberfluid 9 R 100, for example to increase drawing performance

## Material safety data sheets

Material safety data sheets can be requested via our website [www.klueber.com](http://www.klueber.com). You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	Klübercut ST 6-703
Canister 20 l	+
Drum 200 l	+



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Product data	Klübercut ST 6-703
Article number	046089
Kinematic viscosity of the base oil, DIN 51562 pt 01/ASTM D-445/ASTM D 7042, 20°C	approx. 4.2 mm <sup>2</sup> /s
Density, DIN 51757, 20 °C	approx. 0.8 g/cm <sup>3</sup>
Appearance	clear
Colour space	red
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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