



# Agip metalStanz 3 M

**Agip metalStanz 3M** is a not water miscible, low viscous forming lubricant with polar agents.

## Characteristics (typical figures):

metalStanz 3 M		Unit	Test method
Colour number	0,5		
Viscosity at 40°C	2,7	mm <sup>2</sup> /s	DIN 51 562
Density at 15°C	818	kg/m <sup>3</sup>	DIN 51 757
Flashpoint	106	°C	DIN ISO 2592
Copper corrosion	1-100A3	Corr.-grade	ASTM D 130

## Properties and Performance:

- very productive, stamping and drawing oil based on mineral oil with polar agents
- not water miscible
- unscented, evaporation with low residues
- leaves a very thin oily film, which can be removed with aqueous neutral respectively alkaline cleaners, normally degreasing is not necessary

## Applications:

**Agip metalStanz 3M** is mainly used as drawing and stamping oil for the machining of thin sheet steel made of aluminium, their alloys and non-ferrous metals, but also suitable for ferrous materials of minimal thickness, leaves an oily, nearly imperceptible lubrication film. The product can be applied with all common procedures.

## Information:

Observe the valid VDI Guidelines 3035 and 3397 (1 - 3) when using the product. To maintain the function of a cooling lubricant the product has to be stored frost free.

The product is a water hazardous liquid.

The BGR/GUV-R 143 - Operations with cooling lubricants - has to be observed for safe handling.

For specific technical questions please contact our technical department. Get information in reference to our training seminar about the subject cooling lubricants.