



# Agip metalStanz ST 120 AE

**Agip metalStanz ST 120 AE** is a high-alloyed, not water miscible high performance forming lubricant with polar components and a very high proportion of EP additives.

## Characteristics (typical figures):

metalStanz ST 120 AE		Unit	Test method
Colour number	5		
Viscosity at 40°C	109	mm <sup>2</sup> /s	DIN 51 562
Density at 15°C	999	kg/m <sup>3</sup>	DIN 51 757
Flashpoint	180	°C	DIN ISO 2592
Copper (strip) corrosion	4-50A3	Corr.-grade	ASTM D 130

## Properties and Performance:

- very productive forming oil based on mineral oil with polar components
- not water miscible, chlorine free
- leaves a thin oily film, which can be removed with aqueous neutral respectively alkaline cleaners
- high proportion of EP additives

## Applications:

**Agip metalStanz ST 120 AE** is mainly suitable as deep drawing, extrusion and fine cutting oil for the machining of ferrous materials, also for high-tensile chromium-nickel steels. Agip metalStanz ST 120 AE is not suitable for the processing of non-ferrous metals.

## 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.