

## HIGHTEC FORM NPS 45

All-purpose, high-performance, metal forming lubricant with a high level of adhesive strength

### Description

HIGHTEC FORM NPS 45 is a water-immiscible, low-viscosity, high-performance oil with a very high additive content. HIGHTEC FORM NPS 45 is suitable for very difficult metal forming processes due to its strongly polar components and its extremely pressure-resistant lubricating film.

### Application

HIGHTEC FORM NPS 45 is applied undiluted onto the workpiece by either rolling or spraying.

### Benefits

- Heavy-duty forming oil
- Wide field of application
- First-rate pressure absorption capacity
- High EP effect
- Chlorine-free

### Recommendation

Field of application:

- Pressing
- Punching
- Drawing, deep drawing
- Precision cutting

HIGHTEC FORM NPS 45 is suitable for machining materials made of steel, stainless steel and aluminium.

### Notices

Storage:

When stored in dry, frost-free rooms and in original, unopened containers the storage period is: 36 months  
Temperature range: 0-40°C

Degreasing:

HIGHTEC FORM NPS 45 can be degreased with aqueous-alkaline cleaning agents and solvent cleaning agents in the event of planned cleaning of the workpieces.

### Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0,91
Color	visuell	-	brown
VKA welding force	DIN 51 350-4	N	8500
Kinematic viscosity KV 40	ASTM D-7042	mm <sup>2</sup> /s	45
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	160
Copper corrosion 100 A3	DIN 51759	Ranking	4

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