

## 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 non water-miscible, 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.

### Advantages

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

### Notes

- 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
Kinematic viscosity KV 40	ASTM D-7042	mm <sup>2</sup> /s	45
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	160
Color		visual	brown
VKA welding force	DIN 51 350/4	N	8500
Copper corrosion 100 A3	DIN 51759	Ranking	4

These characteristics are typical for current production. The data does not constitute an assurance of properties or a guarantee of suitability for a specific application. Existing legal provisions and regulations that affect handling and usage of the products must be observed by the recipient of our products. ROWE products are continuously being developed. For this reason, ROWE retains the right to change all technical data in this product information at any time without prior announcement. Our current General Delivery and Payment Conditions apply ([www.rowe-oil.com](http://www.rowe-oil.com)).

