

HIGHTEC CUT MSS 18

Powerful, water-immiscible cooling lubricant for machining low-alloy to medium-alloy steels

Description

HIGHTEC CUT MSS 18 is based on premium base oils and the most advanced, high-performance additives. The selected polar and high-pressure additives ensure low tool wear and high cutting speeds. The outstanding rinsing activity ensures clean workpieces and machinery.

Application

HIGHTEC CUT MSS 18 is used undiluted and can be applied with all common application systems.

Benefits

- Chlorine-free
- Virtually free of aromatic compounds
- High machining speeds are possible and thus a low production time per piece
- Skin-friendly
- Low tendency to evaporate
- Good EP performance and high stock removal rate
- Good cooling and wetting characteristics
- Good surface quality and dimensional stability
- Good rinsing effect
- Good settling behaviour of the abraded particles that arise during machining

Recommendation

Field of application:

- Moderate to heavy milling on automatic dispensers and gear cutting machines
- Thread and gear flank grinding

HIGHTEC CUT MSS 18 can be used to machine low-alloy to medium-alloy steels.

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 CUT MSS 18 can be degreased using conventional degreasing media, for example by spray cleaning or immersion cleaning with aqueous-alkaline cleaning agents.

Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.867
Kinematic viscosity KV 40	ASTM D-7042	mm²/s	18
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	>150

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