

Tool Mate NC15F High Performance Neat Cutting Oil

DESCRIPTION

Tool Mate NC15F is a low viscosity neat cutting oil, specially formulated with lubricity, and extreme pressure additives, to provide excellent performance in difficult machining operations on a wide range of materials.

APPLICATION

Tool Mate NC15F has been designed for drilling and deep hole drilling of cast iron, steels, high alloy and stainless steels. It is also suitable for use on difficult to machine alloys such as inconel. It can also be used in general machining applications as well as for tapping, and gear cutting operations.

Tool Mate NC15F contains active sulphur additives, and can cause staining, and is therefore not recommended for use on copper and its alloys.

BENEFITS

- High performance additive technology provides consistently high surface finish, dimensional accuracy and increased tool life, delivering lower process operating costs.
- Excellent anti chip welding and flushing properties, ensures problem free operations.

	Cast Iron	Low-medium alloyed steel	High alloyed steel /nickel-chromium alloys	Titanium alloys	Aluminium alloys	Yellow metals
Honing/Superfinishing	-	-	-	-	-	-
Grinding	-	-	-	-	-	-
Drilling/Deep Hole Drilling	✓	✓	✓	-	-	-
Broaching/Gear Cutting	✓	✓	✓	-	-	-
General machining	✓	✓	✓	-	-	-

TYPICAL DATA (note: data is typical and does not constitute a specification)

Properties	Unit	Standard	Data
Appearance	Visual	Visual	Clear, amber
Viscosity @ 40°C	cSt	DIN 51562	15
Density @ 20°C	g/ml	DIN 51757 ASTM D 1298	0.89
Flashpoint COC	°C	ISO 2592	>150C
Copper corrosion	3 hr at 100°C	ISO 2160 ASTM D 130	4c

Storage: Keep container closed, prevent exposure to frost, and prevent water ingress. Store in cool, dry conditions, and avoid direct sunlight. Indoor storage is preferable.

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