

Castrol Hyspray E 2000

Premium ester based spray mist neat cutting oil

Description

Hyspray E 2000 is a premium chlorine and heavy metal free spray mist neat cutting fluid, based on advanced synthetic biodegradable ester technology.

Application

Hyspray E 2000 has been designed for spray mist applications on one and two channel system.

Hyspray E 2000 can be used for sawing, turning, drilling, milling and threading operations on aluminium, ferrous, non-ferrous and steel alloys.

	Cast Iron	Low-medium alloyed steel	High alloyed steel /nickel-chromium alloys	Titanium alloys	Aluminium alloys	Yellow metals
Milling	✓✓✓	✓✓✓	✓✓	✓✓✓	✓✓✓	✓✓✓
Turning	✓✓✓	✓✓✓	✓✓	✓✓✓	✓✓✓	✓✓✓
Drilling	✓✓✓	✓✓✓	✓✓	✓✓✓	✓✓✓	✓✓✓
Threading	✓✓✓	✓✓✓	✓✓	✓✓✓	✓✓✓	✓✓✓
Reaming	✓✓✓	✓✓✓	✓✓	✓✓✓	✓✓✓	✓✓✓
Sawing	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓

✓: indicating increasing suitability

Hyspray E 2000 should be used in combination with spray mist application equipment.

Advantages

- Excellent sprayability offers the opportunity to use the product also in one channel spray system.
- Excellent lubrication properties extend tool life and enable high surface finish and dimensional accuracy
- Our chlorine, mineral oil and heavy metal free formulation, based on advanced biodegradable synthetic ester technology improves the environmental profile
- High flashpoint, low odour, low evaporation and light colour improves the work environment
- Multi-metal machining using our superior additive technology provides opportunity for product consolidation
- High oxidation stability reduce sticky residues on machined parts

Typical Characteristics

Properties	Standard	Unit	Data
Appearance	Visual	Visual	Pale Yellow
Viscosity @ 40°C	DIN 51562	mm ² /s	28
Viscosity@ 100°F	ASTM D 446	SUS	177
Flashpoint COC	ISO 2592	°C	250
	ASTM D 92	°F	480
Copper corrosion	ISO 2160	3 hr at 100°C	1b
	ASTM D 130		

	ester	active sulphur	inactive sulphur	phosphorous	calcium	chlorine	zinc
Additives	+	-	+	+	-	-	-

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