



Castrol Hyspray E 2010

Premium Ester Based Spray Mist Neat Cutting Oil

Description

Hyspray™ E 2010 is a premium chlorine and heavy metal free spray mist neat cutting fluid, based on advanced synthetic biodegradable ester technology.

Application

Hyspray E 2010 has been designed for spray mist applications on one and two channel systems.

Hyspray E 2010 is low viscosity and provides excellent spray characteristics, even at low temperatures.

Hyspray E 2010 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	Aluminum alloys	Yellow Metals
Milling	√√√	√√	√√	√√	√√√	√√√
Turning	√√√	√√	√√	√√	√√√	√√√
Drilling	√√√	√√	√√	√√	√√√	√√√
Threading	√√√	√√	√√	√√	√√√	√√√
Reaming	√√√	√√	√√	√√	√√√	√√√
Sawing	√√√	√√√	√√	√√	√√√	√√√

√ indicates increasing suitability

Advantages

- Excellent spray ability even at low temperatures. 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.
- 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 and low viscosity reduce sticky residues on machined parts.

Typical Characteristics

Name	Method	Units	Hyspray E 2010
Appearance	Visual	-	Yellow
Viscosity at 40°C	DIN EN ISO 3104	mm ² /s	9
Density at 15°C	DIN 51757	kg/m ³	868
	Calculated	lbs/gal	7.24
Flashpoint Open Cup	DIN 51376	°C	> 200
Copper Corrosion, 3 hr at 100°C	DIN 51811, ASTM D 130	-	1b

Additional Information

	Ester	Active sulphur	Inactive sulphur	Phosphorous	Calcium	Chlorine	Zinc
Additives	√		√	√			

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