

Product Data

Castrol Honilo 981

High performance neat cutting oil

Description

Castrol Honilo™ 981 is a chlorine free low viscosity neat cutting oil, which is sulphur and heavy metal free.

Application

Honilo 981 is designed for honing and superfinishing of ferrous and non-ferrous metals. It can also be used for grinding applications, drilling and general machining of aluminium and yellow metals.

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

Advantages

- Excellent flushing and lubrication properties extend honing stone life and enable high surface finish and dimensional accuracy
- Low viscosity and excellent wetting characteristics reduces drag out and results in lower product usage
- Good filtering characteristics and high oxidation stability increase product lifetime
- Our chlorine and heavy metal free formulation improves the environmental profile and reduces disposal costs
- Low odour, light colour and low mist result in operator acceptability

Typical Characteristics

Properties	Standard	Unit	Data
Appearance	Visual	Visual	Yellow
Viscosity @ 40°C	DIN 51562	mm ² /s	4.8
Viscosity@ 100°F	ASTM D 446	[SUS]	47
Density @ 15°C	DIN 51757	kg/m ³	831
	ASTM D 1298		
	Calculated	lbs/gal	6.94
Flashpoint COC	ISO 2592	°C	> 125
	ASTM D 92	°F	> 255
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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