

Castrol Variocut G 500

High performance neat cutting oil

Description

Castrol Variocut™ G 500 is a chlorine and heavy-metal free neat cutting oil.

Application

Variocut G 500 is designed for flute, form and gear grinding with carborundum and SG wheels.

	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

- Low foam characteristics, even at high pressures and flow rates, leads to increased production rates
- Superior additive technology leads to extremely high cutting and grinding efficiencies, increased tool life, improved surface finish and lower overall operating costs
- Multi-metal machining using our superior additive technology provides opportunity for product consolidation
- Low odour, high flashpoint, low mist and light colour result in high operator acceptability
- Our chlorine and heavy-metal free formulation improves the environmental profile and reduces disposal costs

Typical Characteristics

Properties	Standard	Unit	Data
Appearance	Visual	Visual	Yellow
Viscosity @ 40°C	DIN 51562	mm ² /s	21
Viscosity@ 100°F	ASTM D 446	[SUS]	112
Density @ 15°C	DIN 51757 ASTM D 1298	kg/m ³	874
	Calculated	lbs/gal	7.29
Flashpoint COC	ISO 2592	°C	> 190
	ASTM D 92	°F	> 370
Copper corrosion	ISO 2160 ASTM D 130	3 hr at 100°C	1b

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

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