



Product Data

Variocut™ G 950

High performance neat cutting oil

Description

Castrol Variocut™ G 950 (previously called Castrol Ilogrind™ 950) is a chlorine and heavy-metal free neat cutting oil formulated with a combination of ester and extreme pressure (EP) additives to optimise machining performance, enhance surface finish and lower the overall operating costs.

Variocut G 950 is suitable for use in central systems as well as individual machines.

Application

Variocut G 950 is designed for high speed, creep feed grinding especially cam shaft grinding of ferrous and non ferrous metals using CBN and carborundum wheels. It is also suitable for drilling and general machining of aluminium alloys and yellow metals.

Variocut G 950 does not contain active sulphur and is compatible with yellow metals.

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

ü ü suggested core application ü possible application, please consult Castrol representative prior to use

Advantages

- Low oil mist and foam characteristics, even at high pressures and flow rates, lead to a reduction in oil consumption and 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
- Good filtering characteristics and high oxidation stability increase product lifetime
- Multi-metal machining using our superior additive technology provides opportunity for product consolidation
- Our chlorine and heavy-metal free formulation improves the environmental profile and can reduce disposal costs

Typical Characteristics

Name	Method	Units	Variocut G 950
Appearance	CN-TM-007	Visual	Clear to slightly hazy yellow oil
Viscosity, Kinematic at 40°C	CN-TM-101	cSt	7.0 - 9.0
Density at 15°C, Relative	CN-TM-084	g/ml	0.832 - 0.852
Flashpoint COC	CN-TM-039	°C/°F	> 155 / > 310

Subject to usual manufacturing tolerances.

Additional Information

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

Storage

To avoid product deterioration always keep the container/drum tightly sealed. Store the product in a cool, dry place away from direct sunlight. Prevent exposure to frost and avoid water ingress. For optimum product stability, it is preferable to store the product indoors between 5°C and 45 °C / 41°F and 113°F.

For more details, please refer the product safety data sheet.

This product was previously called Ilogrind 950. The name was changed in 2015.

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12 Jan 2018

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