



Product Data

## Variocut™ G 600

High performance neat cutting oil

### Description

Castrol Variocut™ G 600 (previously called Ilogrind™ 600) is a chlorine free neat cutting oil.

### Application

Variocut G 600 is designed for high speed, creep feed, especially gear grinding of ferrous metals with CBN and carborundum wheels. This product contains active sulphur and is not 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			
Drilling						
Gear manufacturing	ü ü	ü ü	ü			
Broaching						
General machining						

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

### Advantages

- Low foam characteristics, even at high pressures and flow rates, lead to increased production rates
- Superior additive technology can lead to extremely high cutting and grinding efficiencies, increased tool life, improved surface finish and lower overall operating costs
- Low viscosity and excellent wetting characteristics reduce drag out and result in lower product usage
- Good filtering characteristics and high oxidation stability increase product lifetime
- Low odour and light colour results in high operator acceptability
- Our chlorine free formulation helps to improve the environmental profile and can reduce disposal costs

## Typical Characteristics

Name	Method	Units	Variocut G 600
Appearance	CN-TM-007	Visual	Transparent Yellow
Viscosity @ 40°C	CN-TM-101	mm <sup>2</sup> /s	11 - 13
Density @ 15°C	CN-TM-084	kg/l	0.80 - 0.90
Flashpoint COC	ISO 2592 / ASTM D92	°C/°F	176/350
Copper corrosion (3 hr @ 100 °C)	ISO 2160 / ASTM D130	-	4c

Subject to usual manufacturing tolerances.

## Additional Information

	ester	active sulphur	inactive sulphur	phosphorous	calcium	chlorine	zinc
Additives	ü	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 600. The name changed in 2015**

Variocut™ G 600

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