



Product Data

Variocut B 380

High performance neat cutting oil

Description

Castrol Variocut™ B 380 is a high performance neat cutting fluid formulated without chlorinated paraffins and zinc additives.

Variocut B 380 is suitable for use in central systems as well as individual machines.

Application

Variocut B 380 is designed for severe cutting operations like broaching.

It contains active sulphur and is therefore not recommended for yellow metals.

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

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

Advantages

- Advanced additive technology gives high extreme pressure (EP) lubricity properties and helps to lower production costs through extended tool life
- Improved surface finish and increased cutting speeds can lead to improvement of process efficiency
- Formulated without chlorinated paraffins can help to fulfil aspects of legislative and waste treatment requirements that specify that these chemicals are excluded or involve high disposal cost.

Typical Characteristics

Properties	Standard	Unit	Data
Appearance	Visual		amber
Viscosity @ 40°C	DIN 51562 ASTM D 445	mm ² /s	32
Density @ 15°C	DIN 51757 ASTM D 1298	kg/l	0.92
Flashpoint COC	ISO 2592 ASTM D 92	°C	>140°C
Copper corrosion	ISO 2160 ASTM D 130	3 hr at 100 °C	4c

Subject to usual manufacturing tolerances.

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.

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