

Ilocut 603

High performance neat cutting oil

Description

Castrol Ilocut™ 603 is a chlorine and heavy-metal free neat cutting oil.

Application

Castrol Ilocut 603 has been designed for broaching and gear hopping operations of ferrous alloys.

This product contains active sulphur and is not compatible with yellow metals.

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	ü	ü	ü		ü	
Drilling	ü	ü	ü		ü	
Broaching/ Gear manufacturing	ü ü	ü ü	ü		ü	
General machining	ü ü	ü ü	ü ü		ü	

Advantages

- Selected additive technology can lead to extremely high cutting efficiencies, increased tool life, improved surface finish and lower overall operating costs
- Chlorine and heavy metal free which may help you to fulfil aspects of legislative requirements and waste treatment requirements where applicable

Typical Characteristics

Properties	Standard	Unit	Data
Appearance	Visual		Yellow-Amber
Viscosity @ 40°C	DIN 51562 ASTM D 445	mm ² /s	33
Density @ 15°C	DIN 51757 ASTM D 1298	kg/l	0.88
Flashpoint COC	ISO 2592 ASTM D 92	°C	>179
Copper corrosion	ISO 2160 ASTM D 130	3 hr at 100 °C	4b

Additional Information

	ester	active sulphur	inactive sulphur	phosphorous	calcium	chlorine	zinc
Additives	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.

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