



Ilocut™ 315

High performance neat cutting oil

Description

Castrol Ilocut™ 315 is a chlorine and heavy-metal free neat cutting oil.

Application

Ilocut 315 is designed for general machining of high alloyed steel. It is also suitable for grinding, drilling, broaching and gear cutting of medium alloyed steel.

Ilocut 315 contains active sulphur and is not compatible with 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		ü	ü			
Drilling	ü	ü ü	ü ü			
Broaching	ü	ü ü	ü			
Gear manufacturing	ü	ü ü	ü ü			
General machining	ü	ü ü	ü ü			

Advantages

- Advanced additive technology gives high extreme pressure (EP) lubricity properties and lowers production costs through extended tool life
- Improved surface finish and increased cutting speeds leads to improvement of process efficiency
- Our chlorine and heavy-metal free formulation improves the environmental profile and reduces disposal costs

Typical Characteristics

Properties	Standard	Unit	Data
Appearance	Visual		Amber
Viscosity @ 40°C	DIN 51562 ASTM D 445	mm ² /s	17.5
Density @ 15°C	DIN 51757 ASTM D 1298	kg/l	0.87
Flashpoint COC	ISO 2592 ASTM D 92	°C	170
Copper corrosion	ISO 2160 ASTM D 130	3 hr at 100 °C	4c

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.

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