

Castrol Ilocut 224

High Performance Neat Cutting Oil

Description

Castrol Ilocut™ 224 is chlorine free neat cutting oil especially formulated to help to optimise machining performance, enhance surface finish and lower the overall operating costs.

Ilocut 224 is suitable for use in central systems as well as individual machines.

Application

Ilocut 224 is designed for general machining of cast iron, low to medium alloy steel and non-ferrous metals. It can also be used for broaching and gear cutting of non ferrous metals and low-medium alloyed steel.

Ilocut 224 does not contain active sulphur and is compatible with yellow metals.

√√ suggested core application √ 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/ Gear Manufacturing	√	√			√	√
General Machining	√	√√			√√	√√

√: indicating increasing suitability

Advantages

- Advanced additive technology gives high lubricity properties and help to lower production costs through extended tool life.
- Improved surface finish and increased cutting speeds can lead to improvement of process efficiency.
- Multi-metal machining using our superior additive technology provides opportunity for product consolidation.
- Our chlorine free formulation may help you to fulfill aspects of legislative and waste treatment requirements that specify that this chemical is excluded

Typical Characteristics

Name	Method	Units	Ilocut 224
Appearance	Visual	-	Yellow
Viscosity at 40°C	DIN 51562	mm ² /s	25
Density at 15°C	DIN 51757 ASTM D 1298	kg/m ³	874
Flash Point, COC	ISO 2592	°C	198
Copper Corrosion, 3hrs at 100°C	ISO 2160 ASTM D 130	-	1b

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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