



Product Data

## Castrol Ilocut 480 A

High Performance Neat Cutting Oil

### Description

Castrol Ilocut™ 480 A is chlorine and heavy-metal free neat cutting oil especially formulated with a unique combination of lubricity additives and base oil to optimise machining performance, enhance surface finish and lower the overall operating costs. Ilocut 480 A is suitable for use in central systems as well as individual machines.

### Application

Ilocut 480 A is designed for general machining of cast iron, steel and non-ferrous metals. It is especially recommended for use on small automatics, semi-automatics and multi-cut lathes.

Ilocut 480 A does not contain active sulphur and is 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						
Drilling						
Broaching/Gear Manufacturing						
General Machining	√	√			√	√

### Advantages

- Advanced additive technology gives high lubricity properties and lowers production costs through extended tool life.
- Improved surface finish and increased cutting speeds leads to improvement of process efficiency.
- Multi-metal machining using our superior additive technology provides opportunity for product consolidation.
- Our chlorine and heavy-metal free formulation improves the environmental profile and reduces disposal costs.

## Typical Characteristics

Name	Method	Units	Ilocut 480 A
Appearance	Visual	-	Yellow
Viscosity at 40°C	DIN 51562	mm <sup>2</sup> /s	14
Viscosity at 100°F	ASTM D446	mm <sup>2</sup> /s	74
Density at 15°C	DIN 51757, ASTM D 1298	kg/m <sup>3</sup>	866
	Calculated	lbs/gal	7.21
Flash Point COC	ISO 2592	°C	>170
	ASTM D92	°F	>338
Copper Corrosion, 3hrs at 100°C	ISO 2160, ASTM D 130		1a

## Additional Information

	Ester	Active Sulphur	Inactive Sulphur	Phosphorous	Calcium	Chlorine	Zinc
Additives	√						

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