



## Product Data

### Castrol Ilocut 5721

High-performance neat cutting oil

#### Description

Castrol Ilocut™ 5721 is a chlorine- and heavy metal-free neat cutting oil.

#### Application

Ilocut 5721 is designed for general machining of ferrous and non-ferrous metals. This product can be used as a dual-purpose oil for machine lubrication and cutting oil, in screw machine applications.

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

#### Advantages

- Advanced additive technology gives high extreme pressure (EP) lubricity properties and can lower production costs through extended tool life.
- Improved surface finish and increased cutting speeds help improve process efficiency.
- Multi-metal machining using our superior additive technology provides opportunity for product consolidation.
- Dual-purpose oil suitable for use in the lubricants side of machine tools.
- Our chlorine- and heavy metal-free formulation improves the environmental profile and helps reduce disposal costs.

## Typical Characteristics

Properties	Unit	Standard	Data
Appearance	Visual	Visual	Amber
Viscosity @ 40°C	mm <sup>2</sup> /s	DIN 51562	27
Viscosity@ 100°F	[SUS]	ASTM D 446	130
Density @ 15°C	kg/m <sup>3</sup>	DIN 51757 ASTM D 1298	930
	lbs/gal	Calculated	7.76
Flashpoint COC	°C	ISO 2592	>180
	°F	ASTM D 92	>355
Copper corrosion	3 hr at 100°C	ISO 2160 ASTM D 130	1b

	Ester	Active sulphur	Inactive sulphur	Phosphorous	Calcium	Chlorine	Zinc
Additives	+	-	-	-	+	-	-

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