

CASTROL ILOCUT 603

DESCRIPTION

Castrol Ilocut 603 is a heavy duty chlorine free neat cutting oil based on solvent refined mineral oil containing sulphurised ester additives.

APPLICATION

Castrol Ilocut 603 is recommended for a wide range of heavy duty machining operations on steels up to 80 tonnes tensile, particularly those which are difficult to machine.

Typical applications include multi-spindle automatics, semi-automatics and combination turret lathes.

It is suitable for gear generation by holding, planning, shaving and shaping, and also thread and form grinding and tapping. The additive package also functions well for thread rolling on ferrous metals. It can also be used as a medium severity cold heading oil.

Please note that the active sulphur content in **Castrol Ilocut 603** can cause staining on copper based alloys.

	Cast Iron	Low Carbon Steel	High Carbon Steel	Alloy Steel	Stainless Steel	Copper Alloys	Aluminium
Drilling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Cutting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tapping	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Thread Cutting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Turning	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SUITABLE PROBABLE NOT SUITABLE

BENEFITS

- Good tool life due to active sulphur formulation
- Pale colour blend and low odour improves operators acceptance
- Ideal for use on heavy duty operations
- Low fire risk due to high flash point of product

TYPICAL DATA

Property	Standard	Units	Typical Data
Appearance	BAM 300	-	Clear yellow fluid
Density at 20°C	IP 365	g/ml	0.88
Viscosity at 40°C	IP 71	cSt	33
Flash Point (Closed)	IP 34	°C	180 min.
EP Additives:			
Sulphur	-	-	A
Esters	-	-	C
Copper Corrosion	IP 154	-	Stain

* EP Additives content expressed as A: <1%, B: 1-3%, C: 3-10%, D: 10-20%, E: >20%

These are typical figures and do not constitute a Specification.