

Castrol Ilobroach 11

High performance neat cutting oil

Description

Castrol Ilobroach™ 11 is a highly chlorinated, sulphur and heavy metal free neat cutting oil.

Application

Ilobroach 11 offers our highest machining performance for broaching and gear manufacturing of steels, stainless steels and difficult nickel alloys. This product is compatible with non-ferrous 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 extreme pressure (EP) lubricity properties, lowering production costs through extended tool life, improved surface finish and increased cutting speeds
- High EP lubricity properties minimise temperature built up and smoking, resulting in improved operator acceptance
- Multi-metal machining using our superior additive technology provides opportunity for product consolidation
- Low odour, light colour and low mist result in operator acceptability

Typical Characteristics

Properties	Standard	Unit	Data
Appearance	Visual	Visual	Pale yellow
Viscosity @ 40°C	DIN 51562	mm ² /s	17
Viscosity@ 100°F	ASTM D 446	[SUS]	87
Density @ 15°C	DIN 51757 ASTM D 1298	kg/m ³	1020
	Calculated	lbs/gal	8.51
Flashpoint COC	ISO 2592	°C	>140
	ASTM D 92	°F	>280
Copper corrosion	ISO 2160 ASTM D 130	3 hr at 100°C	1b

	ester	active sulphur	inactive sulphur	phosphorous	calcium	chlorine	zinc
Additives	+	-	-	-	-	+	-

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