

Castrol Honilo 981

High performance neat cutting oil

Description

Castrol Honilo™ 981 is a chlorine free low viscosity neat cutting oil, which is sulphur and heavy metal free.

Application

Honilo 981 is designed for honing and superfinishing of ferrous and non-ferrous metals. It can also be used for grinding applications, drilling and general machining of aluminium and 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

- Excellent flushing and lubrication properties extend honing stone life and enable high surface finish and dimensional accuracy
- Low viscosity and excellent wetting characteristics reduces drag out and results in lower product usage
- Good filtering characteristics and high oxidation stability increase product lifetime
- Our chlorine and heavy metal free formulation improves the environmental profile and reduces disposal costs
- Low odour, light colour and low mist result in operator acceptability

Typical Characteristics

Properties	Standard	Unit	Data
Appearance	Visual	Visual	Yellow
Viscosity @ 40°C	DIN 51562	mm ² /s	4.8
Viscosity@ 100°F	ASTM D 446	[SUS]	47
Density @ 15°C	DIN 51757	kg/m ³	831
	ASTM D 1298		
	Calculated	lbs/gal	6.94
Flashpoint COC	ISO 2592	°C	> 125
	ASTM D 92	°F	> 255
Copper corrosion	ISO 2160	3 hr at 100°C	1b
	ASTM D 130		

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

Castrol, Honilo, and the Castrol logo are trademarks of the Castrol Limited, used under license

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet.

It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Address: Castrol (UK) Limited, Pipers Way, Swindon, Wiltshire SN3 1RE
 Telephone No. Orders/Enquiries 0845 9645111, Technical Enquiries 0845 9000209, Fax 01793 486083
www.castrol.com/industrial