



Castrol Honilo 401

High Performance Neat Cutting Oil

Description

Castrol Honilo™ 401 is low viscosity neat cutting oil which is sulphur, chlorine and heavy metal free. It is especially formulated to optimise machining performance, enhance surface finish and lower the overall operating costs. It can be used in single sump machines and large central systems.

Application

Honilo 401 has been especially designed for honing and superfinishing of ferrous and non-ferrous materials. It can also be used for grinding application and general machining of aluminium and yellow metals.

Honilo 401 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 Manufacture						
General Machining					√	√

√ : indicating increasing suitability

Advantages

- Low odour and light colour result in operator acceptability.
- Low viscosity and excellent wetting properties reduces drag out and results in lower product usage.
- Excellent flushing properties enable high surface finish and dimensional accuracy.
- 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.

Typical Characteristics

Name	Method	Units	Honilo 401
Appearance	Visual	-	Pale, Colourless
Viscosity at 40°C	DIN 51562	mm ² /s	3.2 – 4.6
Viscosity at 100°F	ASTM D 446	SUS	37 - 41
Density at 15°C	DIN 51757, ASTM D 1298	kg/m ³	817
	Calculated	lbs/gal	6.803
Flash Point, PMCC	DIN 51758	°C	> 120
	ASTM D 93	°F	> 248
Copper Corrosion, 3hrs at 100°C	ISO 2160, ASTM D 130	-	1a

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