



Product Data

Honilo 710

Premium Low Odor Honing Oil

Description

Castrol Honilo 710 is a low viscosity, low VOC neat cutting oil formulated without chlorine, sulfur and heavy metals.

Honilo 710 allows abrasives to remain free cutting without loading, build-up or glazing. Honilo 710 is suited for all abrasives, including tape-style processes, which allows for compatibility with a wide range of applications.

Application

Honilo 710 is designed for honing and superfinishing of ferrous and non-ferrous materials. It can also be used for grinding applications, drilling and general machining of aluminium and yellow metals.

Consult your Castrol Account Manager for questions regarding compatibility.

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

ü ü

ü ü suggested core application ü possible application, please consult Castrol representative prior to use

Advantages

- Resists staining of sensitive non-ferrous metals
- Promotes good housekeeping and long sump life
- One product compatible with a wide range of applications
- Excellent flushing and lubrication properties extend honing stone life and enables high surface finish and dimensional accuracy
- Low viscosity and wetting properties reduces drag out and results in lower product usage
- Good filtration characteristics increase product lifetime
- Low odor and light color improve operator acceptability
- Formulated without chlorine and heavy metals which may help you to fulfill legislative and waste treatment requirements where applicable

Typical Characteristics

Name	Method	Units	Honilo 710
Appearance	CN-TM-007	Visual	Pale, clear yellow fluid
Copper Corrosion	CN-TM-020	-	1B
Specific Gravity	CN-TM-084	@ 15C (60F)	0.823 - 0.843
Viscosity, Kinematic 40C	CN-TM-101	mm ² /s	4.75 - 5.8
Flash Point	PMCC	°F	275

Additional Information

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

Storage

To avoid product deterioration always keep the container/drum tightly sealed. Store the product in a cool, dry place away from direct sunlight. Prevent exposure to frost and avoid water ingress. For optimum product stability, it is preferable to store the product indoors between 5°C and 45 °C / 41°F and 113°F.

For more details, please refer the product safety data sheet.

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