



Honilo 989

High performance neat cutting oil

Description

Castrol Honilo™ 989 is a chlorine free low viscosity neat cutting oil, which is sulphur and heavy metal free.

Application

Honilo 989 has been 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.

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

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

Advantages

- Excellent flushing and lubrication properties extend honing stone life and enables high surface finish and dimensional accuracy
- Low viscosity and excellent wetting properties 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 | | Yellow |
| Viscosity @ 40°C | DIN 51562 | mm ² /s | 2,9 |
| Density @ 15°C | DIN 51757 ASTM D 1298 | g/ml | 0.82 |
| Flashpoint COC | ISO 2592 | °C | > 105 |
| Copper corrosion | ISO 2160 ASTM D 130 | 3 hr at 100°C | 1a |

Subject to usual manufacturing tolerances.

Additional Information

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

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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