



Product Data

Castrol Variocut G 500

High-performance neat cutting oil

Description

Castrol Variocut™ G 500 is a chlorine- and heavy metal-free neat cutting oil.

Application

Variocut G 500 is designed for flute, form and gear grinding with carborundum and SG wheels.

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

Advantages

- Low foam characteristics, even at high pressures and flow rates, can lead to increased production rates.
- Superior additive technology leads to extremely high cutting and grinding efficiencies, improved surface finish and can lead to increased tool life and lower overall operating costs
- Multi-metal machining using our superior additive technology provides opportunity for product consolidation.
- Low odor, high flashpoint, low mist and light color result in high operator acceptability
- Our chlorine- and heavy metal-free formulation improves the environmental profile and reduces disposal costs.

Typical Characteristics

| Properties | Unit | Standard | Data |
|------------------|--------------------|--------------------------|--------|
| Appearance | Visual | Visual | Yellow |
| Viscosity @ 40°C | mm ² /s | DIN 51562 | 21 |
| Viscosity@ 100°F | [SUS] | ASTM D 446 | 112 |
| Density @ 15°C | kg/m ³ | DIN 51757 ASTM D 1298 | 874 |
| | lbs/gal | Calculated | 7.29 |
| Flashpoint COC | °C | ISO 2592 | > 190 |
| | °F | ASTM D 92 | > 370 |
| Copper corrosion | 3 hr at 100°C | ISO 2160 ASTM D 130 | 1a |

| | Ester | Active sulphur | Inactive sulphur | Phosphorous | Calcium | Chlorine | Zinc |
|-----------|-------|----------------|------------------|-------------|---------|----------|------|
| Additives | + | - | - | + | - | - | - |

Castrol Variocut G 500
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