



CareCut ES 32

High performance neat cutting oil

Description

Castrol CareCut™ ES 32 is a chlorine and heavy metal free neat cutting oil, based on advanced biodegradable ester technology.

Application

CareCut ES 32 is designed for severe general machining and gear manufacturing of ferrous and non-ferrous 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	

... core application .. recommended application . suggested application, please consult Castrol representative

Advantages

- Low oil mist and foam characteristics, even at high pressures and flow rates, leads to a reduction in oil consumption and increased production rates
- Excellent flushing and lubrication properties extend tool life and enable high surface finish and dimensional accuracy
- Good filtering characteristics and high oxidation stability increases product lifetime
- Our chlorine, mineral oil and heavy metal free formulation, based on advanced biodegradable ester technology improves the environmental profile and reduces disposal costs
- High flashpoint, low odour, light colour and low mist qualities improves the work environment
- Multi-metal machining using our superior additive technology provides opportunity for product consolidation

Typical Characteristics

Properties	Standard	Unit	Data
Appearance	Visual		Yellow
Viscosity @ 40°C	DIN 51562	mm ² /s	32
Density @ 15°C	DIN 51757 ASTM D 1298	kg/m ³	910
Flashpoint COC	ISO 2592	°C	> 220
Copper corrosion	ISO 2160 ASTM D 130	3 hr at 100°C	1b

Additional Information

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

Storage

To avoid product deterioration, keep the container/drum tightly sealed always. Prevent any frost and water ingress. Store it in a cool and dry place away from direct sunlight. It is preferable to store the product indoors always. For more details, please refer the product safety data sheet.

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Castrol Industrial, Technology Centre , Whitchurch Hill , Pangbourne , Reading , RG8 7QR , United Kingdom

www.castrol.com/industrial