



# Castrol Variocut C 769 HC

High Performance Neat Cutting Oil

## Description

Castrol Variocut™ C 769 HC is low viscosity chlorine and heavy metal free neat cutting oil especially formulated with a combination of lubricity additives and base oil to optimise machining performance, enhance surface finish and lower the overall operating costs.

Variocut C 769 HC is suitable for use in central systems as well as individual machines.

## Application

Variocut C 769 HC is designed for general machining of cast iron, low to medium alloy steel and non-ferrous metals. It can also be used for grinding of non ferrous metals and low-medium alloyed steel.

Variocut C 769 HC contains very low amounts of active sulphur and is compatible with yellow metals.

√√ suggested core application    √ 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	√	√			√	√
Grinding	√	√			√	√
Drilling					√√	√√
Broaching / Gear Manufacturing						
General Machining	√√	√√			√√	√√

## Advantages

- Low oil mist and foam characteristics, even at high pressures and flow rates, lead to a reduction in oil consumption and increased production rates.
- Advanced additive technology gives high lubricity properties and can help to lower production costs through extended tool life.
- Low viscosity and excellent wetting characteristics reduce drag out and result in lower product usage.
- Good filtering characteristics and high oxidation stability increase product lifetime .
- Multi-metal machining using our superior additive technology provides opportunity for product consolidation.
- Our chlorine and zinc free formulation helps to improve the environmental profile and reduces disposal costs.
- Low odour, light colour and low mist qualities result in high operator acceptability.

## Typical Characteristics

Name	Method	Units	Variocut C 769 HC
Appearance	Visual	-	Yellow
Viscosity at 40°C	DIN 51562	mm <sup>2</sup> /s	10
Density at 15°C	DIN 51757, ASTM D1298	kg/l	0,839
Flash Point, COC	ISO 2592	°C	160 min
Copper Corrosion, 3hrs at 100°C	ISO 2160, ASTM D 130	-	1b max

Subject to usual manufacturing tolerances.

## Typical Physical Characteristics

	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

Castrol Variocut C 769 HC

20 Sep 2018

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

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

<http://msdspd.castrol.com>