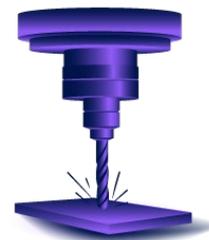


TECHNICAL PRODUCT SHEET

# STEELCUT ISO 32



## DESCRIPTION

STEELCUT is a premium neat cutting lubricant designed for high-performance machining of steel and its alloys. It is fortified with robust extreme-pressure (EP) additives and active sulfur components to provide exceptional load-carrying capability and outstanding protection against wear and corrosion, even under demanding operating conditions. The formulation is chlorine-free, ensuring effective performance with improved environmental and workplace compatibility.

## APPLICATIONS

STEELCUT is suitable for a wide range of cutting operations, including gear cutting, milling, spring and groove manufacturing, and the machining of steel alloys and other ferrous materials. For optimal performance and extended fluid life, regular filtration is recommended to remove chips and contaminants, ensuring maximum efficiency and consistent machining quality.

## SPECIFICATIONS

ISO 6743-7 (ISO-L-MHD)

## PROPERTIES

STEELCUT offers excellent wear protection and strong extreme-pressure performance, ensuring reliable operation under heavy loads. Its exceptional cooling properties help maintain stable machining temperatures, while specialized adhesion-enhancing additives improve film strength and increase tool and surface protection during demanding cutting applications.

## BENEFITS

STEELCUT extends cutting tool life by delivering reliable lubrication and protection during demanding operations. It supports high cutting speeds and produces excellent surface finishes even under high-pressure conditions. Its strong cooling capability ensures smooth system operation, while its protective film remains effective during interrupted cuts or tool changes, maintaining consistent performance and stability throughout the process.



### TECHNICAL PRODUCT SHEET

## PHYSICAL-CHEMICAL CHARACTERISTICS

STEELCUT	METHOD	ISO 32
Density at 15°C, g/cm <sup>3</sup>	ASTM D4052	0.870
Viscosity, Kinematic (cSt) 40°C	ASTM D445	32
Foam test	ASTM D892	0/0/0
Flash point, COC, °C	ASTM D92	200
Copper corrosion	ASTM D130	4b
4-Ball wear test / Scar Diameter, mm	ASTM D2266	1.85
4-Ball wear test / Weld Load, N, mm	ASTM D2783	4600
Rust test	ASTM D665	Pass
Color	ASTM D1500	Dark Brown

The above mentioned characteristics represent mean values.

## STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.



## HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).



## USED OILS

Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.

