TRIM® OM 303

Nonchlorinated Cutting and Lubricating Oil

TRIM OM 303 is a highly formulated straight oil designed for use in conventional and Swiss style screw machines, high-speed turning centers, and high-performance, multi-station machines, such as Hydromats. OM 303 is safe for use on aluminum alloy and steel alloy parts, as well as cast iron, copper, brass, and bronze. This product is excellent for high-pressure applications such as thread rolling and thread-form tapping. OM 303 has proven itself in difficult operations on stainless and bearing steels. OM 303 provides lubrication properties similar to ISO 32 general-purpose lube oils.

Global Tool Manufacturer Reduces Cost Per Part by 20% with TRIM® OM 303



The customer is a globally recognized tool and industrial brand that has been in operation for over 175 years. They're known as one of the world's largest producers of industrial, consumer, and automotive tools and storage products. Today, their wide-ranging catalog encompasses hand and power tools, and the batteries that power them.

Choose OM 303:

- Very light colored and clean running
- Low foaming and low misting for use in aggressive operations
- Oxidation inhibited for longer life, and an excellent choice where both ferrous and aluminum or copper alloy parts are being machined aggressively
- Far easier to wash off parts than many oils of similar or even lower performance
- Has replaced dark, active sulfur/chlorine straight oils in several large operations while providing superior results in tool life
- An outstanding product in thread rolling, thread form tapping, and in Swiss screw machines with solid bushings
- Contains no active sulfur; therefore, does not stain parts

OM 303 especially for:

Applications — cutting, drilling, high-speed turning, machining, reaming, roll threading, Swiss-style screw machines, tapping, thread forming, thread rolling, and turning

Materials — aerospace alloys, aluminum, aluminum alloys, bearing steel, brass, bronze, cast iron, copper, copper alloys, exotic alloys, stainless steels, steel alloys, and steels

Industries — bearing

OM 303 is free of — active sulfur and chlorine

Health and Safety

Request SDS

Master Fluid SOLUTIONS®

TRIM® OM 303

Nonchlorinated Cutting and Lubricating Oil

Application Guidelines

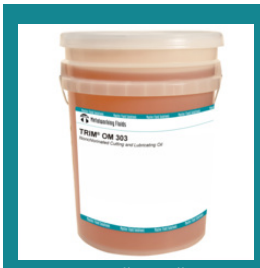
- This product is compatible with TRIM® TAP NC; however, it should not be combined with TRIM® OM 100 or TRIM® OM 287.
- TRIM OM 303 is designed to be used straight.
- For additional product application information, including performance optimization, please contact your Master Fluid Solutions' Authorized Distributor at https://www.masterfluids.com/na/en-us/distributors/index.php, your District Sales Manager, or call our Tech Line at 1-800-537-3365.

Physical Properties Typical Data

Color	Yellow
Odor	Mild
Form	Liquid
Flash Point	> 336°F
Viscosity	32.40 cSt @104°F (40°C)
V.O.C. Content (ASTM E1868-10)	115 g/l



1-gallon jug
SKU: OM303-1G
UPC-12: 641238005919



5-gallon pail
SKU: OM303-5G
UPC-12: 641238005940



54-gallon drum
SKU: OM303-54G
UPC-12: 641238005957



270-gallon tote
SKU: OM303-270G
UPC-12: 641238033820

Additional Information

- Consult Master Fluid Solutions before using on any metals or applications not specifically recommended.
- This product should not be mixed with other metalworking fluids or metalworking fluid additives, except as recommended by Master Fluid Solutions, as this may reduce overall performance, result in adverse health effects, or damage the machine tool and parts. If contamination occurs, please contact Master Fluid Solutions for recommended action.
- TRIM® is a registered trademark of Master Chemical Corporation d/b/a Master Fluid Solutions.
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https://2trim.us/di/?i=na_en-us_OM303

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