TRIM™ C360

Cutting and Grinding Fluid Concentrate

TRIM C360 is a very low foam, high lubricity, high EP synthetic coolant that approaches the "down-the-hole" machining performance of premium soluble oils. TRIM C360 has been formulated especially for applications where maximum performance is required in machine tools which both machine and grind hard aerospace alloys in the same cycle. Due to its synthetic formula, TRIM C360 has exceptional tramp oil rejecting properties and is highly filterable through even the finest of filtration devices. This, coupled to a superb antimicrobial package, ensures prolonged sump life even in the harshest of machine shop environments.

Synthetics



Peak your performance:

TRIM™ clean-running synthetics contain little to no oil. They are typically hard-water tolerant with good corrosion protection. Plus, synthetics leave very low residue for easy cleaning. Paired with extremely low carryoff, synthetics translate to less maintenance and lower operational costs, saving you time and money.

Run clean and long with TRIM synthetics.

Choose C360:

- A very versatile product that works well in a wide range of operations
- Excellent extreme pressure performance without chlorine or sulphur additives
- Keeps machines extremely clean whilst leaving a soft fluid film that protects metal surfaces
- Water like working solution ensures low carry-off for low total operating cost
- Keeps grinding wheels clean for higher feed rates, better surface integrity and faster stock removal
- Highly filterable even through sub 10µm filters
- Exceptional sump life
- Exceptional tramp oil rejection
- Coolant is easily removed with water or aqueous cleaners

C360 especially for:

Applications — drilling, grinding, milling, tapping and turning

Materials — aerospace alloys

Industries — aerospace

C360 is free of — boron, chlorine, formaldehyde releasers, mineral oils, nitrites, phenolic compounds, secondary amines and sulphur

Master Fluid SOLUTIONS™

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Application Guidelines

- TRIM C360 will run effectively for long periods without the need for costly additives.
- Higher concentrations are recommended on soft, gummy materials and for lower speed operations where friction reduction and control of built-up edge are critical.
- Concentrations above 7% provide the best sump life.
- For additional product application information, including performance optimisation, please contact your Master Fluid Solutions' Authorised Distributor at https://www.masterfluids.com/eu/en/distributors/index.php, your District Sales Manager, or call our Tech Line at +49 211 41 72 8 -900.

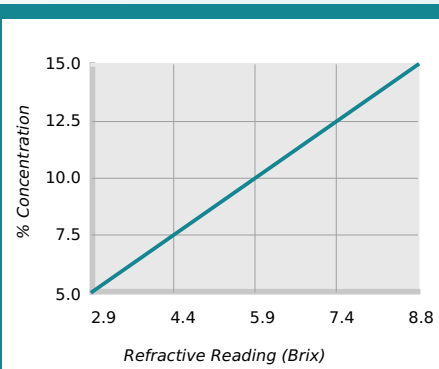
Physical Properties Typical Data

Colour (Concentrate)	Light yellow
Odour (Concentrate)	Mild amine
Form (Concentrate)	Liquid
Flash Point (Concentrate) (ASTM D93-08)	> 100°C
pH (Concentrate as Range)	8.9 - 9.9
pH (Typical Operating as Range)	8.7 - 9.7
Coolant Refractometer Factor	1.7

Recommended Metalworking Concentrations

Light Duty	5.0% - 8.0%
Moderate Duty	8.0% - 10.0%
Heavy Duty	10.0% - 15.0%
Design Concentration Range	5.0% - 15.0%

Concentration by % Brix



% Concentration = Refractive Reading x Refractive Factor
Coolant Refractometer Factor % Brix = 1.7

Health and Safety

Request SDS

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Mixing Instructions

- Recommended usage concentration in water: 5.0% - 15.0%.
- To help ensure the best possible working solution, add the required amount of concentrate to the required amount of water (never the reverse) and stir until uniformly mixed.
- Use premixed coolant as makeup to improve coolant performance and reduce coolant purchases. The makeup you select should balance the water evaporation rate with the coolant carryout rate. Use our Coolant Makeup Calculator to find the best ratio for your machine: apps.masterfluids.com/makeup/.
- Use mineral-free water to improve sump life and corrosion inhibition while reducing carryoff and concentrate usage.

Ordering Information

20-litre pail

204-litre drum

1000-litre IBC

Additional Information

- Use Master STAGES™ Whamex XT™ for a quick and thorough precleaning of your machine tool and coolant system.
- 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.
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https://2trim.us/di/?i=eu_en_C360

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