

ULTRACUT® 320

Extreme Pressure Long Life Semi-Synthetic Cutting Fluid

ULTRACUT® 320 is an extreme pressure semi-synthetic water mix cutting fluid formulated to give a long and predictable sump life. It provides extra performance in medium/severe cutting operations on a wide range of ferrous and non-ferrous metals. The combination of extreme pressure performance and long sump life permits increased machining rates and true cost efficiency.

ULTRACUT® 320 can be used as a grinding fluid enabling the user to rationalise to one fluid for both cutting and grinding operations.

Features

- Extends tool life.
- Promotes excellent surface finish.
- Suitable for cutting and grinding operations.
- Suitable for medium/severe cutting operations.
- Long and predictable sump life.
- Inherently resistant to degradation.
- Suitable for use with a wide range of ferrous and non-ferrous metals.
- Inhibits corrosion and staining.
- Resists foaming.
- Emulsifies tramp oil.
- Semi-translucent blue emulsion gives good view of work piece.
- Pleasant and safe to use.

Directions for Use

Recommended dilution: ULTRACUT® 320 should be used between 20:1 and 40:1 for cutting and between 40:1 and 60:1 for grinding, depending on the severity of operation, workpiece material and water hardness. To ensure dilution accuracy, it is preferable to use a ROCOL® Automatic Fluid Mixer.

For manual mixing, add the concentrate to water at the recommended dilution ratio, stirring continuously.

It is advisable to use the appropriate ROCOL® ULTRAGUARD® Machine Tool Care product at fluid changeovers. Optimum fluid life is obtained by adequate initial machine cleaning, correct dilution control and regular maintenance of fluid, particularly prior to weekends and shutdown periods.

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BS EN ISO 9001
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ULTRACUT® 320

Appearance	Dark blue concentrate forming a semi-translucent blue emulsion
Odour	Mild
pH	9.3 at 15:1
Density at 20°C	1.02 g/cm ³
Storage	Store at normal ambient temperature (5°C to 30°C)
Pack Sizes – Part Codes	20 ltr - 51323 200 ltr - 51329

Refractometer Calibration:

Dilution ratio	10:1	20:1	30:1	40:1	50:1	60:1	70:1
Refractometer reading	8.6	4.6	2.9	2.4	1.8	1.5	1.3

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