

Q-GRIND 320

Synthetic Grinding Fluid

Performance Benefits

- Improved size control and part quality resulting from state of the art additive technology
- Long system/sump life
- Exceptionally clean parts and machine tools
- Wheels kept clean and free cutting due to excellent detergency
- Low foaming in both soft and hard water
- Complete rejection of tramp oil
- Formaldehyde free to comply with health and safety regulations

Q-GRIND 320 is a solution synthetic grinding fluid designed for use on ferrous metals. This oil-rejecting fluid provides excellent in-process corrosion protection for parts and machine tools. **Q-GRIND 320** runs clean, has excellent bioresistance and is virtually non-foaming. The product has been formulated with surfactants specifically selected to promote rapid chip settling, good flushing properties, reduced cycle times, and improved G ratios. **Q-GRIND 320** can also be used for light duty machining operations.

Typical Characteristics

| | |
|---|--------------------------------------|
| Appearance of concentrate | Dark blue liquid |
| Appearance of dilution..... | Transparent to slightly opaque, blue |
| Density | 8.84 lbs./gal |
| pH of 5% solution..... | 8.9 -9.3 |
| Chlorine, Nitrite, Phenols, Silicones..... | None |

Recommended Dilutions

Q-GRIND 320 is to be mixed with water for use (add concentrate to water)
Grinding: 3-7%

Concentration Control

The chart below was prepared using an Atago Master M refractometer and dilutions of **Q-GRIND 320** in distilled water. Refractometer readings can vary with the type of water and refractometer used. Atago Master M refractometers are available from QualiChem, Inc.

| | | | | | |
|-------------------------------|----------|----------|----------|----------|-----------|
| CONCENTRATION %: | 3 | 4 | 5 | 7 | 10 |
| REFRACTOMETER READING: | 0.8 | 1.0 | 1.3 | 1.8 | 2.5 |

Packaging

Q-GRIND 320 (formerly Q-COOL 320) is packaged in 310-gallon, one-way tote tanks and 55-gallon, non-returnable steel drums. Bulk and 5-gallon pails are also available. An undyed version is also available as **Q-GRIND 320C**.

QUALICHEM
Metalworking Fluids

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