



## CHALLENGE 300-HT SYNTHETIC GRINDING FLUID

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CHALLENGE 300-HT is a synthetic formulation developed to optimize removal rate and surface finish in grinding, sawing, and dicing processes using diamond grinding wheels and blades. The product's exceptional heat transfer characteristics insure prolonged diamond life, even with the most difficult materials. CHALLENGE 300-HT is compatible with all filtration systems, and its foam-free operation promotes operator acceptance.

### Benefits:

- Better surface finishes
- Faster removal rates
- No foam
- Extended diamond life
- Non-staining
- Compatible with all filtration systems
- Non-corrosive
- Operator acceptance

### Directions:

CHALLENGE 300-HT is designed for use at economical dilution ratios and is equally effective in hard and soft water. For optimum results, follow the dilution ratios listed below, making production specific adjustments as needed:

Surface/Blanchard	-	30-50:1
O.D./Cylindrical	-	30-50:1
Edge/Bevel/Dicing	-	50-75:1

Maintaining dilution ratios with a hand-held refractometer is recommended. A pH meter is also useful. Develop production-specific scales by obtaining accurately measured samples of a properly diluted mixture that corresponds to use. Maintain a higher concentration for recirculating, filtered coolant systems.

### Additional Information:

Challenge products are available in 5-gallon pails and 55-gallon drums, F.O.B. Bethel, Connecticut, and also include: sawing fluids, suspension additives for lapping/polishing slurries, rinse/wet storage additives, and ultrasonic/megasonic detergents. Material Safety Data Sheets available upon request.

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