

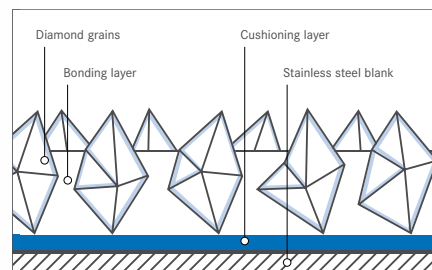


Crown Preparation | Deep Purple™



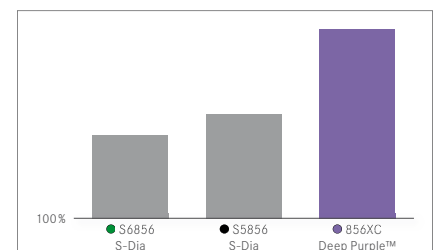
Efficient, Controlled Preparation.

Delivering high-performance, controlled efficiency to facilitate crown-preparation procedures, Komet USA's innovative Deep Purple™ diamonds are specially designed for fast, effective substance removal. Deep Purple™ diamonds feature high-quality and uniformly sized, extra-coarse diamond grains embedded at the optimal depth for effective, rapid, reliable performance.



Komet USA's diamond instruments are renowned for their consistent grain size specially embedded for optimal performance.

In comparison with standard diamond instruments, new Deep Purple™ diamonds offer measurably greater substance removal.



Increase in substance removal with Deep Purple™ diamonds vs. standard coarse-grit 6856 [100%]

Advantages:

- Extra-coarse grit offers efficient substance removal
- Maximum operator control
- Optimally embedded diamond grains facilitate reliable performance
- Large chip spaces reduce probability of instrument clogging
- Use with our perfectly matching finishers to ensure consistent, quality restorations

Usage:

1. Use the Deep Purple™ 856XC.FG.018 diamond for primary preparation.
2. Finish the preparation with the identically shaped 8856.FG.018 finisher.



Photographs by courtesy of Dr. Soyka, Lemgo

Deep Purple™:

Matching Finisher:

Tapered round



Football



new



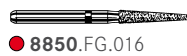
Tapered with rounded edges



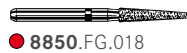
Tapered chamfer, long



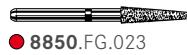
new



new



new



Modified tapered chamfer



new



new



new



new



Recommendations for Use:

- Primary preparation: if used in the turbine, the optimum speed is ω_{max} 300,000 rpm. The use in the red contra-angle is recommended at an optimal speed of ω_{opt} 160,000 rpm.

856XC.FG.021 and 856XC.FG.023:
max. speed ω_{max} 300,000 rpm.

- The matching finisher should be applied at an optimal speed ω_{opt} 20,000 rpm.
- Use sufficient cooling spray (50 ml/min).
- Due to the instruments' high cutting proficiency, apply low contact pressure, not to exceed 2N.

Diamond grit sizes:

