

***A. Mounting conical Boehler-Almax diamond anvils into carbide seats.***

1. Clean seat and diamond thoroughly. No dust grains should be visible on the conical surfaces under the binocular.
2. Insert diamond in the cone of the carbide seat and put the assembly under a glueing fixture.
3. Put glue between the rims of the diamond and the seat. The conical seat should be free of glue. We recommend the following glues, depending on your application:
  - a. Normal and laserheating experiments: Hysol 9514 of Loctite (cures in 30 minutes at 130° C)
  - b. External heating experiments: Resbond 908 of Cotronics (cures in 30 minutes at 120 °C).
4. Make sure to put  $\pm 10$  kg of weight on the anvils during curing.