

Carbon Rod Sharpener

AGT592

Setting up

The blade in the sharpener has been pre-set to give a 1.4mm tip diameter suitable Agar Carbon Coaters. The blade position can be adjusted to suit other applications.

To obtain maximum life from the blade, use soft grade carbon rods.

General use

The sharpener can be used to produce rods with up to 2 shoulders. The spigot is used in conjunction with Pt wire for Pt/C evaporations. For other applications, a two shouldered rod can be used for conductive carbon coatings or carbon support films. The optimum diameter of the spigots may vary for different coating units and is dependent on the amount of current available from the power supply and the resistivity of the carbon rods being used.

Use with Agar Carbon Coaters

The cutter in this carbon rod shaper has been set to give a tip diameter (d) of $1.40 \pm 0.05\text{mm}$ on graphite rods (6.15mm dia).

The recommended length (L) for the evaporation tip is between 7.5mm and 8.5mm



