

Engraving With a Nose Cone

A Nose Cone is a tool for regulating the depth of the engraving cut. It allows you to Deep Engrave material that may not be perfectly flat, by using a Nose Cone a constant depth of cut is maintained.



Nose Cone



Nose Cone Fitted to the Spindle

It is important when using the Nose Cone to ensure that the nose cone and cutter are flush with each other, (i.e. the bottom of the Nose Cone is level with the bottom of the cutter) when setting up the job. To do this lower the Nose Cone to the surface of the material, then lower in the cutter so that it touches the surface of the material and tighten the screw on the brass cutter knob.

To control the depth of cut turn the Nose Cone anti-clockwise. This reveals the tip of the cutter out of the bottom of the Nose Cone. The Nose Cone dial has 25 grooves, with one groove corresponding to an engraving depth of 0.0254 mm (0.001"). For example to engrave to a depth of 0.3mm turn 12 clicks anti-clockwise. The precise number of clicks required changes, with the type of material to be engraved. Experience will teach you the ideal number required. As a guide, start with a small number of clicks, it is then possible to increase the depth. This method is preferable to cutting too deep.