

## CROWN HAND TOOLS LTD

### THE BEAVER DEEP HOLLOWING TOOL.

The 'Beaver' woodturning tool as been designed for hollowing goblets and vases, etc. and is base on the old-fashioned hook or ring tool but adapted to avoid snagging.

It is capable of cutting end and side grain efficiently both between centres and on face plate work, and allows the turner to work inside hollow forms where the eye cannot see and cuts the length of the shank (11 inches or 279mm) with controlled cutting.

The 'Beaver' is robust, simple, but a well engineered tool designed to prevent clogging, and cuts left and right through 180 .

The cutter is replaceable and made from M2 High Speed Steel, hardened and tempered to 62-64 R, the same analysis of steel used for all our HSS turning tools.

The cutter is adjustable and varying thickness of cut are obtained by the positioning of the cutter, adjusted by loosening and tightening the hexagon screw.

For shallow cutting on bowls and platters etc, start cutting from the centre of the material with the tool rest about  $\frac{1}{2}$ " above centre level.

As the depth increases beyond 3" to 4", as with all tools a certain amount of flexing occurs and firm control of the handle is needed with downward pressure on the handle to compensate for flexing of shank and increase cut mode which will happen automatically as cutting nose drops.

To sharpen , hone around the outside of the cutter with a fine diamond slip stone. Hone around the cutter and not up and down, taking care not to round of the cutting edge. Loosen depth limiter to avoid contact with slip stone.