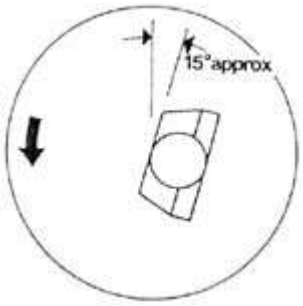
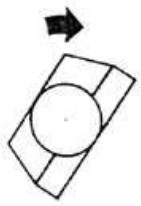
Ring Tools

They are designed for use in END-GRAIN, working outwards from the centre in order to cut WITH the grain. They are ideal for the insides of goblets and large end-grain holloware of all kinds. The following hints should enable you to achieve good, safe results - whether used for roughing-out, or for fine finishing cuts.

AT ALL TIMES USE THE SLOWEST AVAILABLE LATHE SPEED KEEP THE TOOL SHARP



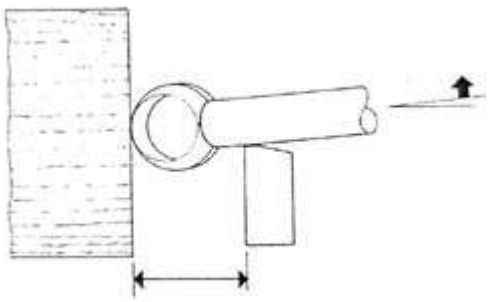
Angle face slightly backwards at approx 15 degrees NOTE: Thickness of cut can be varied by slight rotation of the head.



Produces thicker cut

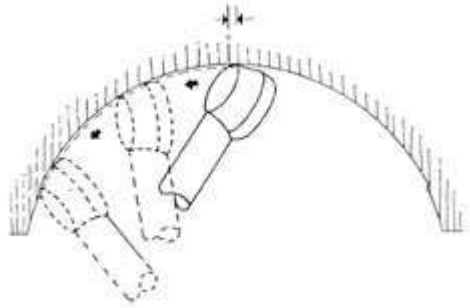
Produces finer cut

Allow tool to trail slightly

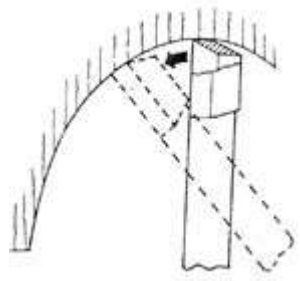


Have the tool rest far enough away to keep the **SHANK** in contact at all times throughout its sweep and cut on the centre line.

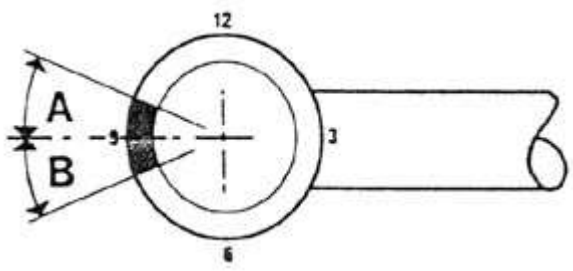
The cut needs to begin slightly behind centre in order to avoid producing a small nipple. Once the cut commences, the sweep of the tool must maintain the desired thickness of cut with the bevel rubbing at all times



In deep hollows it may be difficult to commence at the centre using the outside bevel. In this situation, begin the cut with the internal bevel and then turn the tool over to complete the cut using the outside bevel.

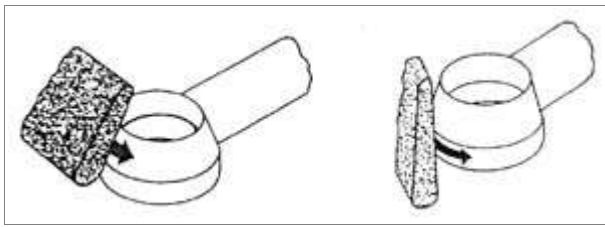


SHARPENING



The tool is sharpened, ready for use, but for best results it must be kept sharp. Since the tool can be used in either direction - (appropriate to the directional rotation of the work) it is the portion of the cutting edge either side of 9 o' clock which will require attention. **A** Area in use when cutting clockwise rotating work **B** Area in use when cutting anti-clockwise rotating work.

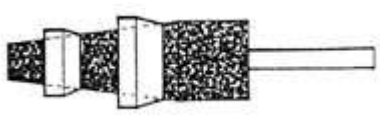
In order to maintain the original geometry, we recommend that re-sharpening be done by hand with a fine slipstone.



The burr produced on the inside can be removed with fine abrasive paper wrapped around a suitable piece of dowel. Sharpen the inner bevel by keeping a slipstone flat on the outside

GRINDING

This should be avoided if at all possible. However, if the cutting edge is accidentally damaged or badly worn, sufficient material can be removed by using #A1 grinding point mounted in a portable electric drill. The slight inside bevel will not effect the use of the Ring Tool



No.A1 Grinding Point suitable for 1/2" & 1" Ring Tools.