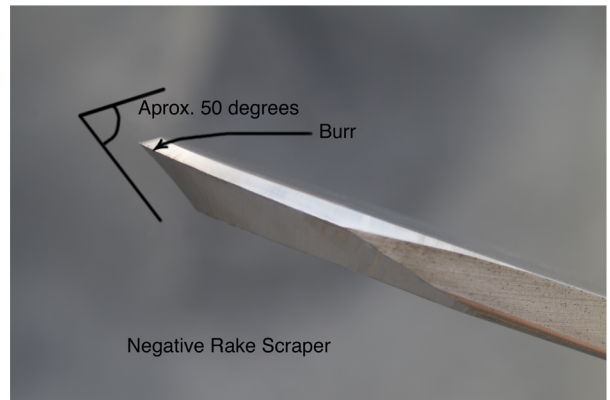




8 I prefer to drill the goblet using a standard 1" metal cutting bit; this removes a lot of material quickly along with the hard to remove center portion. A forstner bit can be used but this leaves you with a flat bottomed hole which I don't like and find harder to round into the bottom of the goblet. The depth of the drilled hole depends on the design and shape of the goblet. Once the hole is drilled transfer that depth to the outside for a reference for the outside bottom of the goblet.



9 The interior of the goblet can be hollowed in several different ways. The generally accepted method for hollowing end-grain is back cutting from the center out toward the rim with either a spindle or bowl gouge. Here I am using a 5/8" fingernail grind bowl gouge. This cut is not a bevel supported cut but more of a scraping cut with the gouge flute rolled over toward the left side of the goblet interior. A hook tool is a very efficient type tool to use for end grain hollowing. My favorite is the Rolly Munro Hollower™, which has a cover over the cutter that can be adjusted for a very controlled cut.



10 I often use a Negative Rake Scraper to clean up tool marks and smooth out the bottom if necessary. This type of scraper is ground with a downward sloping angle on the top of the scraper. After grinding the bottom bevel the burr that is left on the top edge does the cutting of the wood. The burr does not last long (only about 30-60 seconds), but does a fine non aggressive job at smoothing out tool marks. The Negative Rake Scraper is not a good wood removal tool but more of a finishing tool, think of it as 220 grit sand paper.... only faster. Additional information about Negative Rake Scrapers by Stuart Batty can be found in the SPRING 2006 issue of the AAW Journal, AMERICAM WOODTURNER.