Leg Angle Setup Block Reference Chart

Use the reference chart below for choosing the correct setup block as well as the correct leg angle position of the Vari-Grind Jig

Bowl Gouge Standard Grind On Bowl Gouge

Setup Block #1 Leg Angle: 2nd notch down or at 23 degrees

The Standard Grind can be used basically everwhere, however it is best suited for dry wood and twice turned bowl blanks when dry. Bowl Gouge Long Grind on Bowl Gouge i.e. Ellsworth

Setup Block #2 Leg Angle: 5th notch down or at 45 degrees

Ellsworth type (long swept back wings) edges are great for turning green wood and shear scraping. Bowl Gouge Short Grind

Setup Block #2 Leg Angle: 4th notch down or at 40 degrees

Bottom feeder type edge (very short and steep) that is ideal for cleaning up the deep inside of bowl bottoms. Presented at almost 90 degrees to the bottom.

Spindle Gouge Fingernail Grind

Setup Block #1 Leg Angle :2nd notch down or at 23degrees

Bottom feeder type edge (very short and steep) that is ideal for cleaning up the deep inside of bowl bottoms. Presented at almost 90 degrees to the bottom.

4 Basic Types of Grinds

Before starting on the Vari-Grind method, it is a good idea to know the 4 basic grind types used in this method. The following grinds are useful for different turning applications. The following describes three common grinds for bowls, plates and platters and one for spindle work such as finials, pepper mills turned lidded boxes and many other spindle projects. Each of these grinds is achieved using the guidelines scribed on the sides of your setup blocks.

Standard Grind on Bowl Gouge



The standard grind is used by most tool manufacturers for bowl gouges regardless of diameter of the tool. This is a general use type of grind that is best used on dry wood for both inside and outside of bowls, plates and platters. This grind is easy to use for most skill levels.

Long Grind on Bowl Gouge



This is generally the most useful all around bowl gouge grind and is the preferred grind for green wood. It is also suitable for dry wood. Very large cuts in green wood are a breeze with this grind. Excellent for shear scraping both inside and outside of bowls, plates and platters. This type of grind is similar to the Ellsworth and the Irish or Celtic grind.

#2

Short Grind on Bowl Gouge



The short grind is a special type of grind that is useful for finishing the bottom of bowls with tall sides, such as calabash or semi-hollow forms. This type of grind is best used with narrow openings which prevent using long grinds or standard grinds on the very bottom of the inside. It is also known as a "Bottom Feed Grind" by many in the woodturning world.

Fingernail Grind on Spindle Gouge



A spindle gouge (denoted by it's much shallower flute) with a fingernail grind enables a turner to turn beads and coves with much steeper sides and more pronounced angles between elements in spindle work. One must maintain a rounded tip while pulling the wings back. This configuration avoids catching the edge of the wings when rolling a bead or scooping out a cove.



above. Secure the position with the locking wing nut.