

## How to Use The Easy-Grind System

### How does it work?

The Easy Grind System along with Raptor Setup tool establishes the exact same distance from the wheel face and tool support each time you sharpen, allowing you to achieve an identical bevel angle every time. This reduces time spent sharpening and increases the life of your tools. Raptor Setup tools makes sharpening easy and repeatable.... the way it should be! Made in the USA.

### Setting the Base Units

1. We cut out a 12" x 20" piece of plywood to mount our grinder and Easy Grind system to. The bottom of the base units need to be 6-1/2" from the center of the grinder arbor. So depending on your grinder you may need to make some spacers for the base units. Once your height is correct, Make sure the base units inline with the wheel, now screw the base units down.



*Note: Grinder cover removed for illustrative purposes only. Do not operate grinder with cover removed.*

### Setting the Leg angle



2. The leg angle needs to be set at approximately 23 Degrees. Use the top notch for to set the leg angle and lock in place.

*Note: The adjustable leg on the Easy-Grind tool holder should remain in the 23 degree position at all times when using Raptor set up tools.*

## Using the Raptor Setup Tool



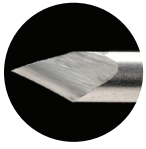
1. With the grinder completely stopped, place the end of the Raptor tool in the tool support arm as shown. Adjust the support arm as needed so that the two contact points on the Raptor tool contact the wheel face. Lock the support arm securely in place. Remove the Raptor tool.



2. Using the 2" Raptor Depth Gauge secure the tool to be sharpened in the tool holder with the tool protruding 2" beyond the tool holder. (1 3/4" if using a 6" grinder). Although the actual bevel angle achieved will vary slightly over time due to wheel wear, it is negligible and will not affect the function or performance of the tool being sharpened.

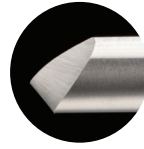
 See a video demonstration at [www.woodturnerscatalog.com](http://www.woodturnerscatalog.com)

## The Recommended Bevel Angles



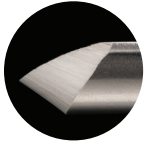
**35 degrees:** Detail gouges. When a fine point & extra long bevel is desired.

**35**



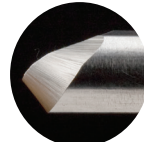
**50 degrees:** Bowl gouges and roughing gouges

**50**



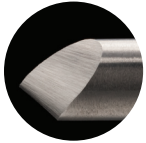
**40 degrees:** Spindle and detail gouges

**40**



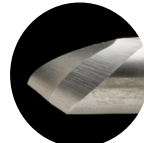
**60 degrees:** Bowl gouges used for interior cutting. Blunt bevel angle allows the gouge to maintain continuous contact throughout the cut.

**60**



**45 degrees:** Bowl and general purpose gouges

**45**



**45 degree Double Bevel:** Bowl and general purpose gouges with a clearance bevel for optimum bevel contact.

**45**

**Double  
Bevel**