

The Raptor Setup Tool *Patent Pending*

Raptor setup tools simplify the sharpening process so you can spend more time turning and less time sharpening. Raptor tools make set up a breeze while delivering consistent, repeatable results every time you sharpen.

How does it work?

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

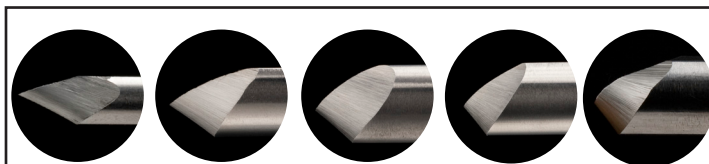
Before getting started



1. Make sure that your sharpening system is properly installed according to the manufacturers specifications. *Note: Grinder cover removed for illustrative purposes only. Do not operate grinder with cover removed.*



2. Set the leg angle on the tool holder to 23 degrees and lock in place. This can be done by using a protractor or drawing the angle on paper then visually aligning tool holder leg and tool shaft with the lines. *The tool holder leg should remain in this position at all times when using Raptor set up tools.*



35 40 45 50 60

Recommended grind angles

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

40 degrees: Spindle and detail gouges

45 degrees: Bowl and general purpose gouges

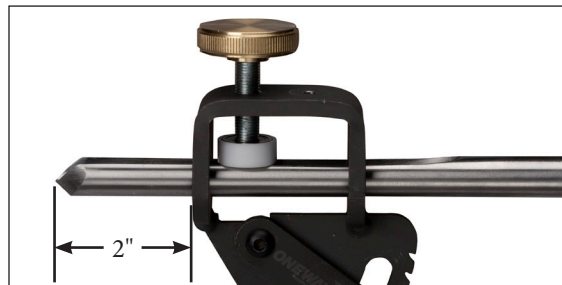
50 degrees: Bowl gouges and roughing gouges

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

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. 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.



3. Position the tool holder in the support arm. Turn the grinder on and carefully shape the cutting edge to the desired profile by gently rolling the tool holder side-to-side while keeping the tool centered on the wheel face. With a little practice, you'll have perfect results every time!



4. If you would like to set the grinding platform to the corresponding angle found on the Raptor tool, flip the Raptor tool upside down and register the contact points on the wheel face. Adjust the tool platform as needed until it contacts the face of Raptor set up tool and tighten the platform.

 See a video demonstration at www.woodturnerscatalog.com

1-800-551-8876

www.woodturnerscatalog.com