

Using the Ellsworth Jig with your Wolverine

You need either a genuine Ellsworth Sharpening Jig, or a shop-made jig that has the same length leg as the Ellsworth and the same angle. There are several plans available on the internet ... just search for 'Ellsworth Sharpening Jig Plans'.

You also need a standard OneWay Wolverine sharpening system and a slow-speed grinder. The Wolverine needs to be installed per OneWay's instructions.

- 1) Install the Wolverine's V-arm on your grinder.
- 2) Cut a piece of 1/4" plywood, 7" long, and 4" wide.
- 3) Cut two pieces of 3/4" thick stock, 2" x 2", and glue them together to form a V.
- 4) Put the V-block you just created into the pocket on your V-arm.
- 5) Put the 4" x 7" plywood into the V-block pocket and adjust the V-arm so the edge of the plywood is 7" from the front of the grinding wheel.
- 6) Insert your gouge into the Ellsworth Jig with a 2" stick-out.

You should be ready to grind. Depending on the setup for your grinder, the bottom edge of the 4" x 7" plywood should be even with the bottom of the wheel, and the top should be even with the center of the grinder's arbor. You may have to adjust the thickness of the wooden blocks used to make the V-block.

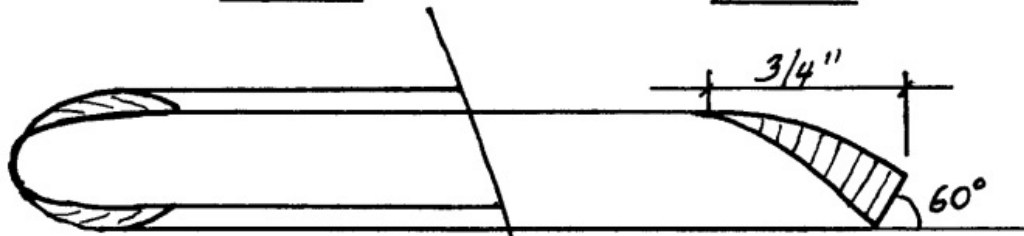
Here is a 5/8" bowl gouge, with the Ellsworth grind:



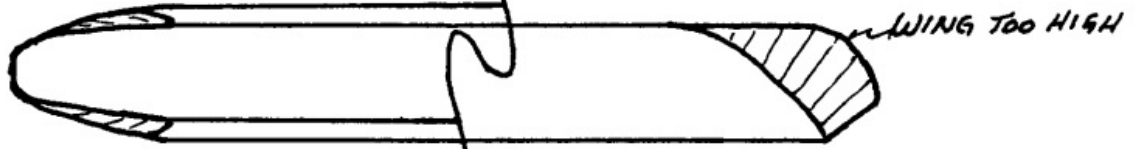
Top View

Side View

THIS:



NOT THIS:



OR THIS:

