

Sharpening Flat Tools and Card Scrapers

By Gary Runyon

Grinding the Bevel

- .Bench Grinder usually set tool rest at 27-32degrees
- .This is set up with a Oneway Wolverine Tool rest with the addition of a Stuart Batty rest on the left
- .180 Grit CbN wheel on left
- .350 Grit CbN wheel on right

.Bench Grinder



With Small Wolverine Tool Rest on the Right



Free Hand Grind Bevel



Sharpening the Edge

- After regrinding the edge, Joint the edge with diamond plate: ignore if edge has already been sharpened before
- Start with 1000grit diamond plate, follow with 4000Shapton or similar stone
- Finish with 12,000-16,000grit stone
- Remove burr from back by rubbing back on finest stone or use David Charlesworth ruler trick

Accessories

- Sharpening Pond – Shapton/NanoHone ~\$220, baking pan, tray from microwave- rubber mat
- Stone holder – Shapton best on the market IMO - ~\$67(Lee Valley)
- Garden Sprayer to clean slurry/stone
- Red marker to coat bevel and back
- 10X OptiVisor to examine edge
- Jig – NanoHone side sharpener ~\$190 – only side sharpener available- only if you need a jig
- Camelia oil & applicator to prevent rust

Sharpening Card Scraper

- Mark thin edge with red marker
- Using a block with 90degree sides, grind this edge until all of the red marker has been removed
- Grind/hone both sides of scraper using ruler trick. Stop when the burr on each side has been removed
- Form/turn a burr on edge using a burnisher with light oil