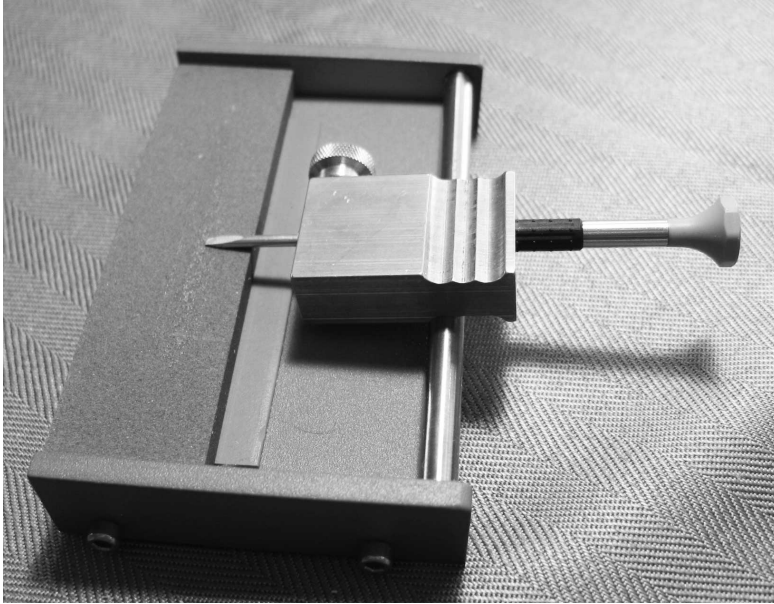


The Versalab Sharpener can sharpen most watchmaker screwdrivers quickly and accurately from 15 to over 17 degrees, included angle, depending on the user's setting. The design provides for blade lengths (from the front of the handle) from 7.5 to 17mm. The three notches are used to keep the tip of the blade in roughly the same place on the stone, thus maintaining the sharpening angle within small parts of a degree. Finer adjustments are had by altering the axial position of the screwdriver in the slider.



Once the angle of the stone has been set, simply insert a screwdriver - with a cylindrical front barrel of 5 mm. diameter or less - into the slider and align it either by eye or by



putting the slider on the rail and pressing on the end of the blade against the stone. Then tighten the thumb screw. Holding the slider as shown, run it back and forth until one side is done, and then flip the slider over to finish the other side - assuring both sides of the blade to be parallel. Set the end thickness by rubbing the tip over the stone - while still in the slider - until the desired end thickness is achieved.

Applying too much pressure on the tip and not enough against the rail might allow the slider to move out of the chosen notch.

Provided with the sharpener are two pieces of flat stock that can be used as a gauge to set the sharpener to 16 degrees - included angle - as a starting point. The stone is set on the



base at the opposite side from the rail and lined up with the edges of the side plates. Use the setscrew in the base to modify the stone's angle until the short piece of flat stock, while resting on the stone, is perfectly parallel to the long piece lying on top of it. This can be tested by gently trying to wiggle the short piece while gently pressing the long piece down. If not perfectly set, one end of the short piece will more easily be moved.

There are two setscrews in the side plates. Their purpose is to retain the stone in the correct position in the sharpener. The best way to use these - once the approximate elevation of the back edge of the stone is set via the set screw in the baseplate - is to loosen them with the included hex wrench, set the sharpener on a flat surface so that the stone and adjacent long face of the sharpener rest against it. Hold the front edge of the stone against the rubber strip on the baseplate and the back edge both down against the flat surface and against its elevation setscrew. Now tighten the setscrews gently to hold the stone in place. Be careful to check that the stone is against the rubber strip throughout its length, otherwise the cutting angle of the sharpener will vary from one end of the stone to the other.

If you use a little oil on the stone, it will not clog.