

1) Instructions for Trammel Points

- 1) Prepare a blank of wood 7" x 7" – 5/8" thick for the back and a piece 7" x 7" – 1/4" thick for the front.
- 2) Begin by creating the cutting file for the back. The slot for the ruler should be 1/64" wider and deeper so that it will slide through the trammel easily. Cut out a pair of backs.
- 3) Next, create the cutting file for the front. Check to make sure that the hole for the threaded insert to secure the steel point or pencil is correct for your hardware.
- 4) Forming the rub shoe is done using 1/4" x 1/8" brass strip. Be careful to match the angle of the bends to the cutout in the back. The rub shoe needs to be able to move within its slots to slide easily out of the way as the trammels are positioned on the rule and then as the thumb screw is tightened.
- 5) Glue the front and back together with the rub shoe in place. Be careful not to use too much glue around the rub shoe and the slot for the ruler as squeeze out can cause problems.
- 6) Next, securely clamp the trammel upside down to your drill press fence and drill the hole for the steel point or pencil.
- 7) Select the correct bit for the 10-32 threaded insert and drill that hole. Remember that the trammels are small so too much force exerted by the threaded insert as it is installed can crack the trammel. So, choose a drill bit that lets the threads bite enough but no more.
- 8) Once again clamp the trammel to the drill press fence only upright this time. Drill down through the slot on the top of the trammel deep enough to allow the threaded insert to seat but no deeper.
- 9) Install the threaded inserts.
- 10) Add round overs to the edges of the trammel.
- 11) Install the thumb screws.
- 12) Make the steel point by rotating a piece of steel rod against a grinder or belt sanders. Keep the rod rotating to keep the point centered. Only after the pointed end is formed cut the steel point to final length.