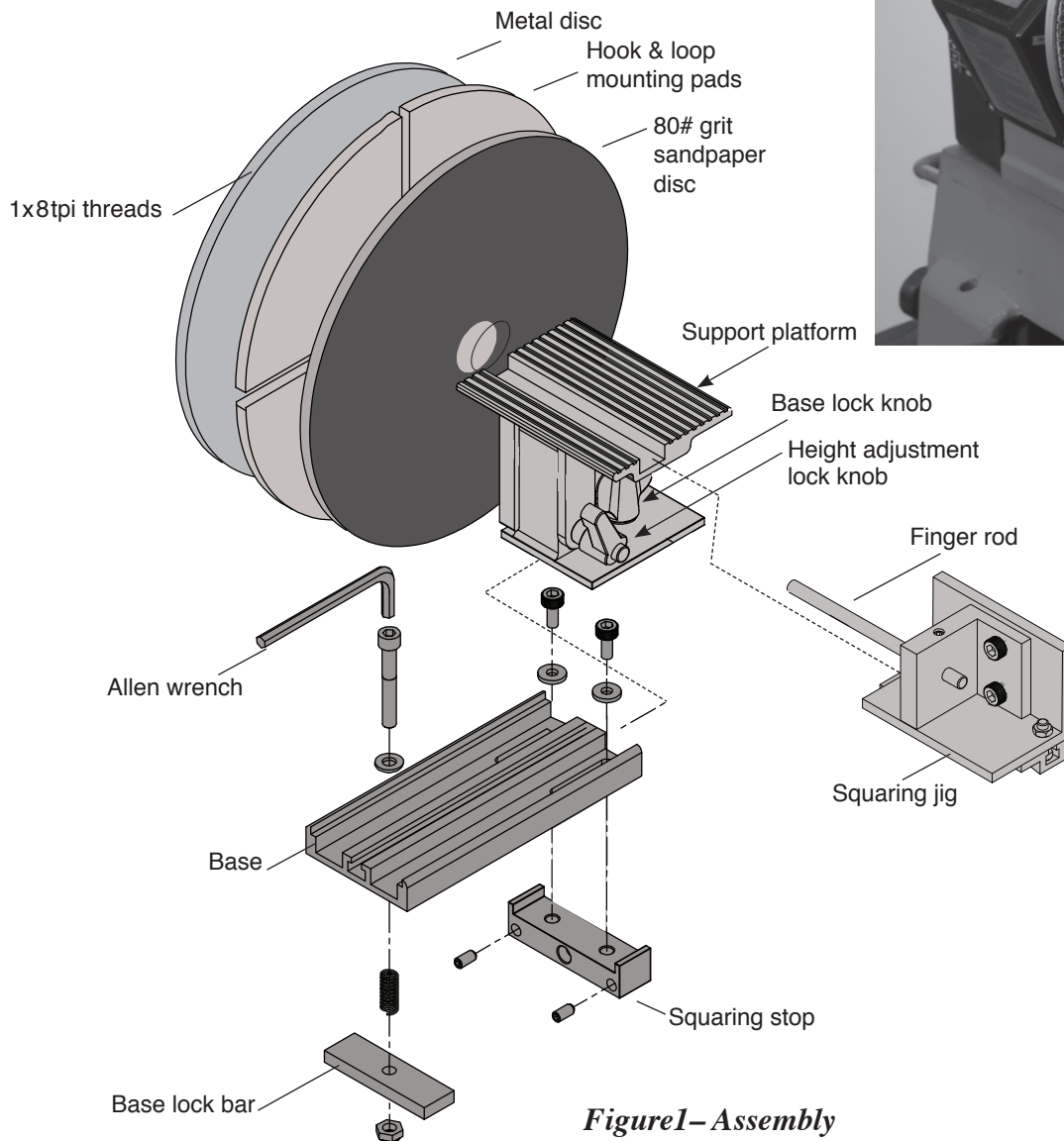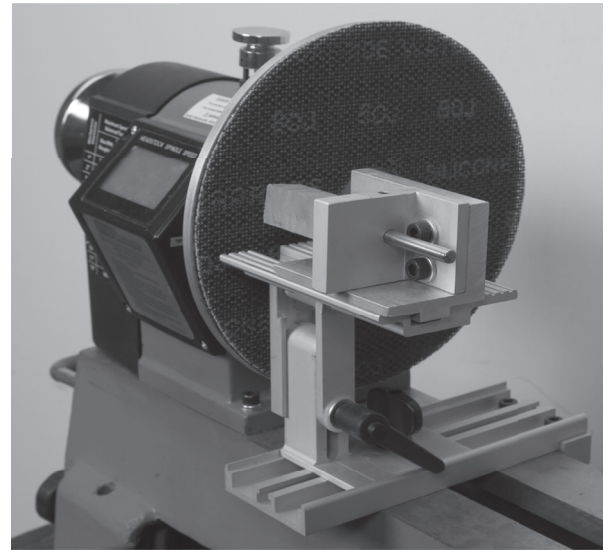# Lathe Mounted Squaring Jig

Features: Use this lathe mounted system to square your pen blank of any tube size on your lathe. It easily disassembles to allow you to do your regular pen turning activities.
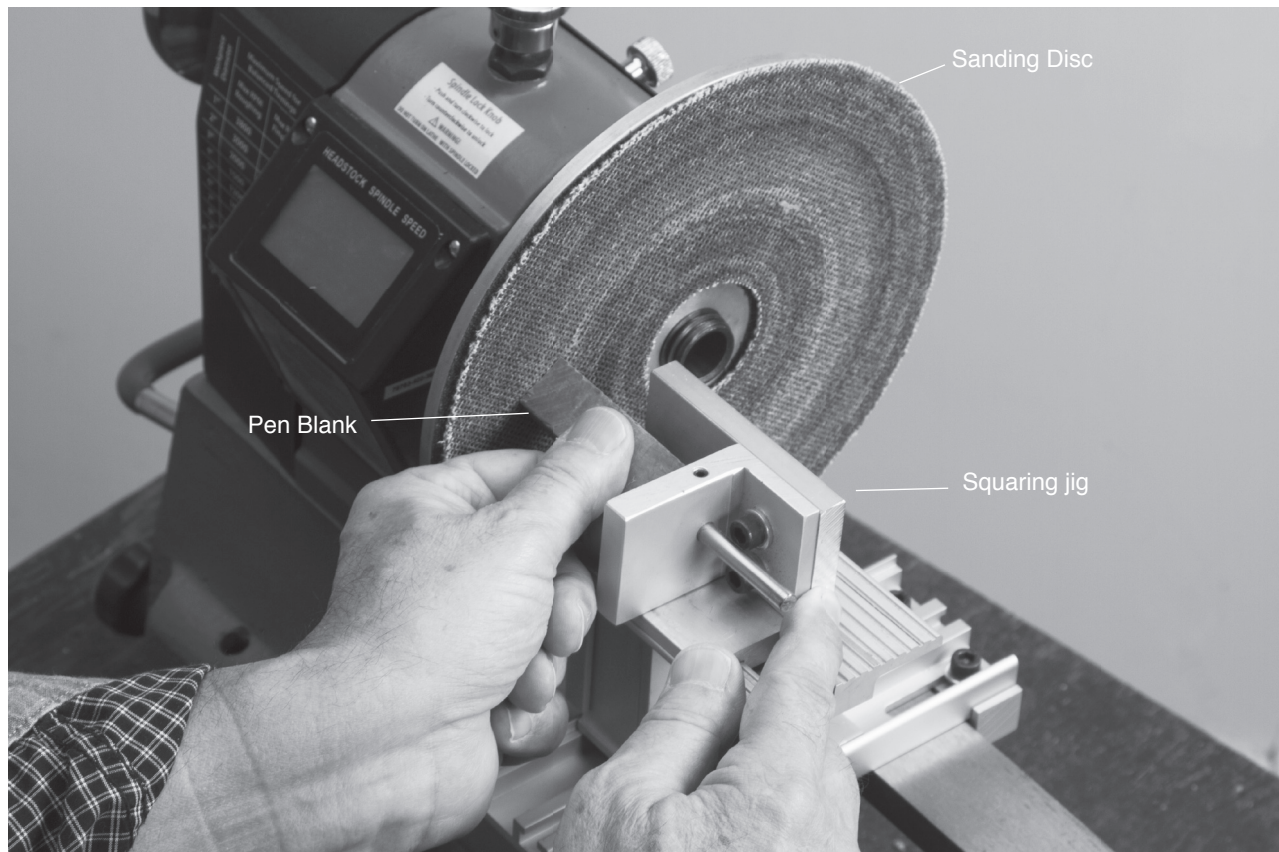
Metal disc

Hook & loop mounting pads

1x8tpi threads

80# grit sandpaper disc

Support platform

Base lock knob

Height adjustment lock knob

Finger rod

Allen wrench

Squaring jig

Base

Squaring stop

Base lock bar

Figure1– Assembly

Assembly: (Fig.1)

• Assemble any loose parts together as shown the Fig 1.

• First apply the hook and loop mounting pads onto the Metal disc, then press the 80 grit sandpaper onto the hook and loop. Then thread the Metal disc onto your 1" x 8tpi headstock thread until it bottoms.

• Mount the Base onto the lathe bed, secured to the lathe bed from underneath with the Base lock bar. Tighten with the Allen wrench provided.

• Slide the Support platform onto the base. Slide the Support Platform up or down or left and right to center about 1/2 way between the center and outside edge of the sanding disc. Lock in place with the Base Lock Knob and Height Adjustment knobs.

• Position the Squaring jig on the Support platform to slide up and back in the slot of the Support platform. Use a square to assure that the finger on the squaring jig is 90 degrees square to the sanding disc. Rotate then lock the Base in place with the Squaring stop as necessary to assure a 90 degree setup.

• Final assembly ready to square a blank is shown in Fig 2.

Figure 2 Squaring your pen blank

Squaring your blanks: (Fig.2)

• Slide the blank onto the finger rod on the squaring jig. Slide the jig and blank as close as possible the sanding surface

• Turn on your lathe to about 1500 RPM. Slide the squaring jig until the end of the blank comes in contact with the sanding disc. Keep downward pressure with your finger on the tube along the rod to eliminate movement.

• Remove any burrs from the brass tube cased by sanding.

• When not in use, simply loosen the Base lock knob and slide the Support platform completely off. The base should not interfere with any pen turning operations.

• For best results, use trimming sleeves from #PKTRIMSET to mount your tube onto the finger of the squaring jig.

* Replacement 8" 80# grit sanding disc #PKLSQSP

PSI Woodworking
PRODUCTS