

# Segmented Letter Opener Kit #PKSEG-L02

## Segmented Magnifier Kit #PKSEGMAG

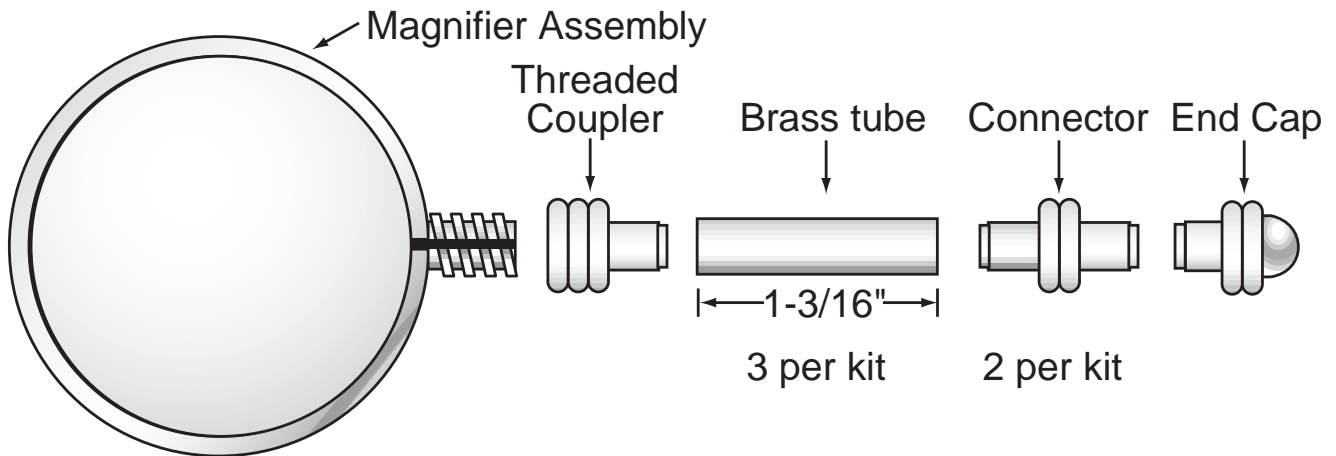
### KIT FEATURES

- 24 Karat gold plated components with epoxy coating
- 3 segmented sections with 2 matching connectors for an exotic look
- 2-1/2" diameter ground glass lens (5X) magnifier, 6-1/2" long
- 3-1/2" heavy duty letter opener blade
- Both products designed to match as a set
- Use PSI display case #PKBOXG for presentation

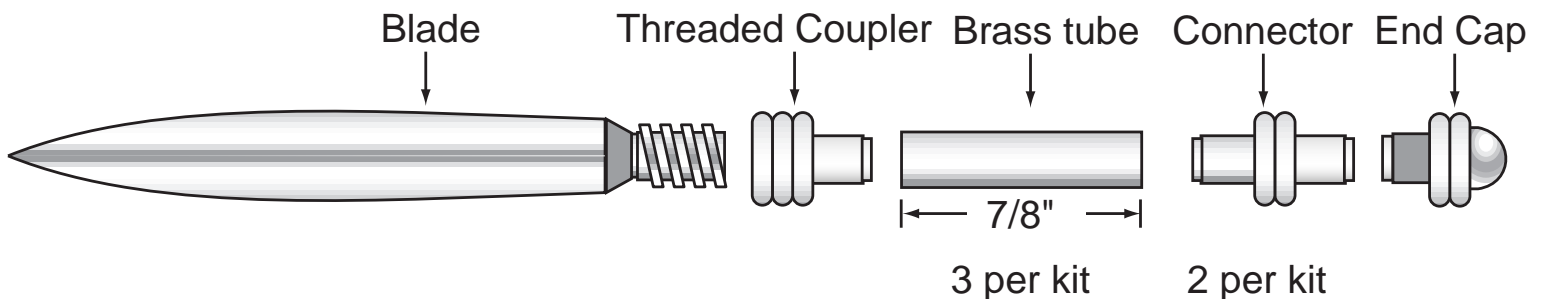
### REQUIRED ACCESSORIES

- 7-mm long mandrel
- 7-mm bushings #PKM-BUSH3
- 7-mm drill bit #PK-7MM
- 7-mm barrel trimmer #PKTRIM
- 2 part epoxy glue, polyurethane or insta cure (cyanoacrylate) glue

**Diagram A - Magnifier Parts**



**Diagram B - Letter Opener Parts**

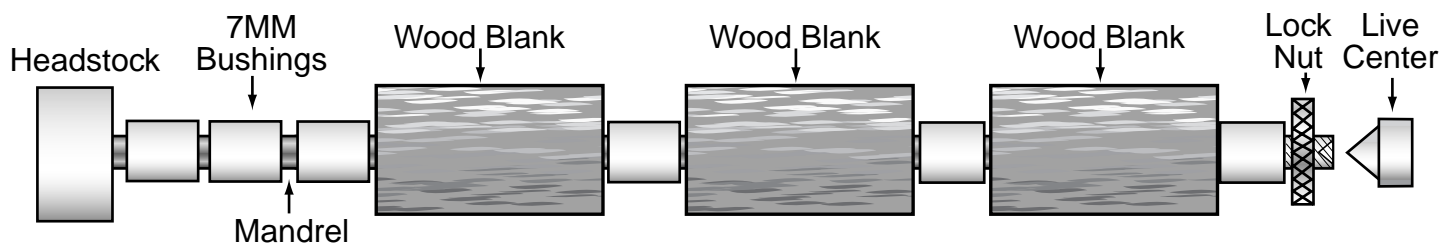


### PREPARING THE BLANKS

Cut three blanks 5/8" to 3/4" (or larger, depending on your design) to the length of the brass tubes. Add 1/16" to the length for trimming off. Drill a 7-mm center hole through each

blank. Spread glue over the brass tube insert into the blanks with a twisting motion to spread the glue evenly inside. When the glue dries, square the end of each blank using a barrel trimmer.

### Diagram C - Turning the Blanks

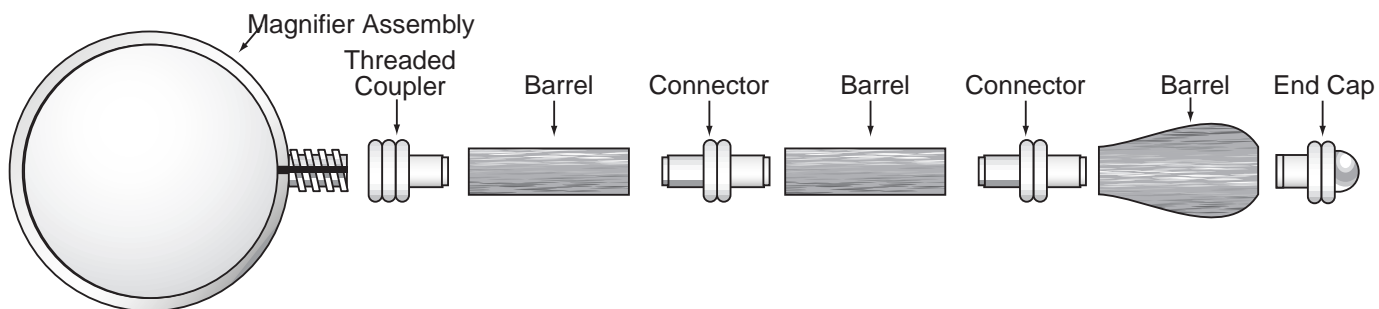


#### TURNING THE BLANKS

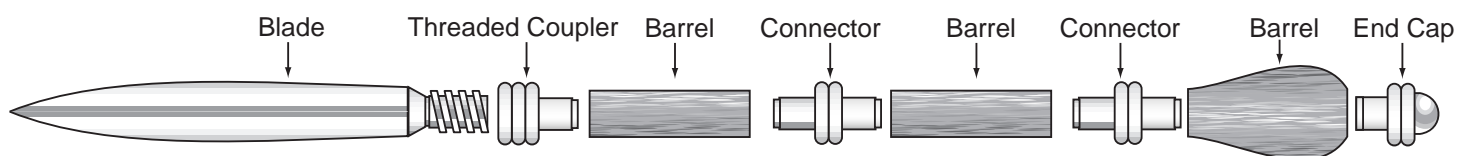
Place three or four spacer bushings onto the mandrel shaft. Insert one of the blanks over the shaft; follow with a 7-mm bushing. Insert a second blank, follow by another 7-mm bushing and a third blank also followed by a 7-mm bushing. Fill the gap with spacers. Thread the lock nut hand tight.

Bring the tailstock snug against the mandrel shaft. Lock in place (Do not over tighten, it may damage the mandrel) now, tighten the lock nut. Draw a design or a profile for turning the handle. Use lathe tools to turn the wood down to size. Use a caliper to determine the diameter. Sand the wood and finish with friction polish or use PSI clear hi-gloss project finish #HGPF off the lathe for a brilliant finish.

### Diagram D - Magnifier Assembly



### Diagram E - Letter Opener Assembly



#### ASSEMBLY

- Line up finished parts according to diagram 'D' or 'E'

- To assemble finished parts use a pen press or a vise. Cover jaws to protect finished parts.

#### BOTH PRODUCTS

- Press the threaded coupler narrow end in first into the barrel
- Press the connector into the opposite end of the barrel
- Press the middle barrel into the exposed end of the connector.
- Press the second connector into the opposite end of the barrel.

- Press the end barrel into the exposed end of the connector.
- Press the end cap, narrow end in first, into the end barrel.
- Thread the magnifier assembly into the threaded coupler. Or thread the blade into the threaded coupler.