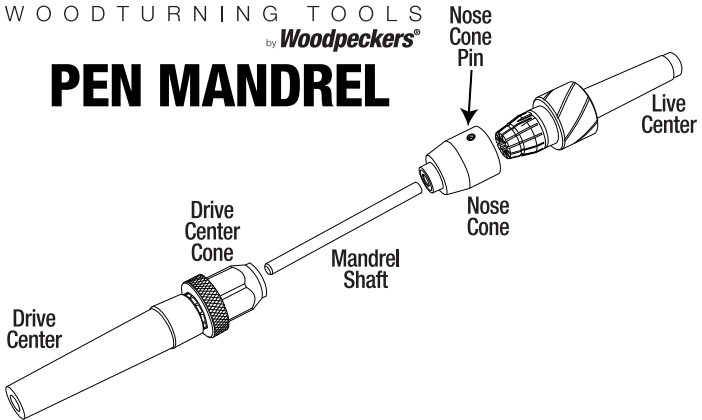


# ULTRA·SHEAR™

WOODTURNING TOOLS  
by *Woodpeckers®*

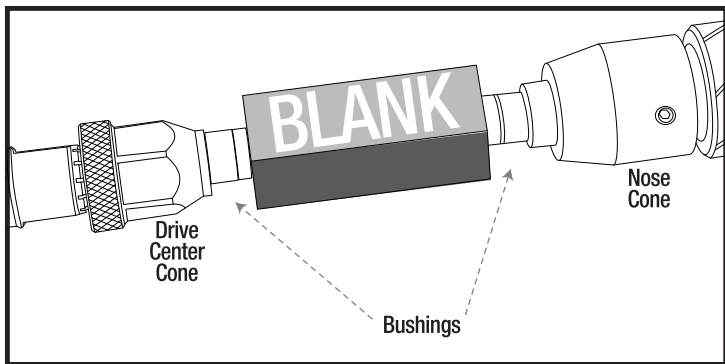
## PEN MANDREL



1. Insert the Drive Center into the #2 Morse Taper in the headstock of your lathe.
2. Slide the Mandrel Shaft into the Drive Center Cone revealing sufficient Mandrel shaft length for the combined length of your bushings and pen blank or blanks plus a minimum of 3/4" to be gripped by the Live Center.
3. Place bushings and blanks on the Mandrel Shaft.
4. Slide the tailstock up and insert the Mandrel Shaft into the Live Center.

If you think you're missing anything, email us at [mailroom@woodpeck.com](mailto:mailroom@woodpeck.com). You can also call us at 800-752-0725 from 9:00 a.m. to 5:00 p.m. EST Monday - Friday.

5. Lock the tailstock and advance the quill to lock the Mandrel Shaft and secure the pen blanks.



6. The Pen Mandrel Live Center and Nose cone need no adjustment. The Nose Cone Pin is only used to locate the flat on the Mandrel Live Center. The Nose Cone will seldom need to be removed, but if necessary for cleaning pull Nose Cone away from the Live Center. When replacing it, make sure Nose Cone Pin and flat on Live Center align.

# Woodpeckers<sup>®</sup>

PRECISION WOODWORKING TOOLS

Woodpeckers, LLC Strongsville, Ohio · [woodpeck.com](http://woodpeck.com)

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**WARNING!** This product can expose you to chemicals, including chromium, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)