

## JT Turning Tools, LLC

### Installing your new Precision Vacuum Adapter from JT Turning Tools, LLC

Prior to initial installation of your vacuum adapter on your lathe, attach a 90-degree elbow fitting (1/4NPT, male) with the appropriate hose barb size for the hose you are using on your vacuum system. Use Teflon tape or other sealer on the threads of the elbow. The elbow fitting is recommended to help control any possibility of twist in the vacuum hose - besides, it makes a nice handle to use when removing the adapter from the lathe.

#### To Install:

- Attach the vacuum hose and clamp it firmly on the hose barb.
- Check the lathe spindle or hand wheel bore to make sure it is smooth and clean it prior to installation. Install the adapter directly into the spindle bore on Powermatic 3520 series lathes, or other lathes with a smooth 5/8" nominal spindle bore. For other machines, use a vacuum compatible hand wheel available from JT Turning Tools, LLC.
- *Lightly* lubricate the O-ring seals and stem of the adapter with petroleum jelly or any similar light grease prior to installation. Initially, a small drop or two of light oil may also help.
- Insert the adapter firmly into the spindle bore until it is completely seated - it may take a slight nudge to get the adapter inserted, particularly the first time.

#### After initial installation:

- Periodically clean the vacuum adapter shaft and the lathe spindle bore and re-lubricate before re-use.
- We recommend removing your adapter when not using the vacuum system. It was designed for easy install/removal, after all. This will help to prolong the life of your adapter.
- It is advisable that you store your adapter in a zip-lock type bag when not installed in your wood lathe, just to protect it from dust accumulation.
- When using your spindle knock-out bar, use caution not to damage the bore of the spindle or hand wheel. In rare cases a longer than stock knock-out bar may be required.

Have fun turning with your vacuum system. I use mine almost every turning session. Let us know if you have any questions or need any assistance.

On the web @ [www.JTTurningTools.com](http://www.JTTurningTools.com) – [info@jtturningtools.com](mailto:info@jtturningtools.com) – 402-330-9801

Copyright – JT Turning Tools, LLC - 2009