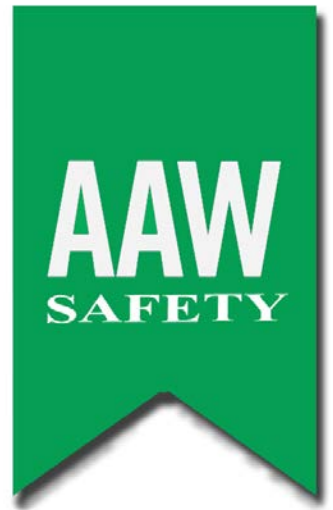


SAFETY

Safety When Instructing on the Lathe

It is of utmost importance to teach through example, proper respect for equipment and an attitude of safety.

After discussing safety concerns with the group, be sure to reinforce safety principles as you provide individual instruction. It is good practice to start each lesson with a safety reminder.



1. **Always wear a full face shield** when the lathe is running.
2. **Tie back long hair, do not wear gloves, and do not wear loose clothing and objects** that can catch on rotating parts or accessories.
3. **Always check the speed of the lathe before turning it on.** Use slower speeds for larger diameters or rough pieces, and higher speeds for smaller diameters. Always start at a slower speed until the work piece is balanced. If the lathe is shaking or vibrating, lower the speed. If the workpiece vibrates, always stop the machine to check for the reason. Demonstrate safety by always starting at a slower speed, gradually speeding up as the piece can safely be turned at higher a speed.
4. **Check that all locking devices** on the tail stock and tool rest assembly (rest and base) are tight before operating the lathe.
5. **Position the tool rest close to work.** Check tool rest position often and as wood is removed, adjust as needed.
6. **Always turn the lathe OFF before adjusting the tool rest or tool rest base.**
7. **Rotate the workpiece by hand before turning the lathe on** to make sure it clears the tool rest and bed . Be certain that the workpiece turns freely and is firmly mounted.
8. **Be aware of the red zone or firing zone.** This is the area directly behind and in front of the rotating surface of the workpiece - the areas most likely for a piece to travel if it comes off the lathe. Step out of this zone when switching the lathe on. When observing others turning, stay out of this area.
9. **Always contact the tool to the tool rest before contacting the wood.** Hold turning tools securely on the tool rest, holding the tool in a controlled and comfortable manner.
10. **Remove the tool rest before sanding or polishing operations.**
11. **Never leave the lathe running unattended.** Don't leave that lathe until it comes to a complete stop.
12. **Always wear a dust mask or respirator when sanding.**
13. **Always wear hearing protections when performing noisy operations.**
14. **Always wear shoes or boots to protect your feet from falling objects.**