

Woodcraft Manningham – Safe Work Procedure

1.1 WOOD LATHE

DO NOT use this machine unless you have been instructed in its safe use and operation and have been given permission

PERSONAL PROTECTIVE EQUIPMENT



Eye protection and Head Protection. That is face shields must be worn.



Long and loose hair must be contained.



Hearing protection may be required.



Sturdy, closed footwear must be worn at all times in work areas.



Close fitting/protective clothing must be worn.



Dust mask is recommended when sanding

PRE-OPERATIONAL SAFETY CHECKS

- ✓ Locate and ensure you are familiar with all lathe operations and controls.
- ✓ Check workspace to ensure no slip/trip hazards are present.
- ✓ Ensure wood is free of defects so that it does not fly apart during turning. Check for splits & knots.
- ✓ Ensure the workpiece has been suitably prepared for the lathe operation.
- ✓ Ensure headstock is unlocked.
- ✓ Workpiece must be securely fastened to face plate, chuck or between centres.
- ✓ Adjust speed to suit the diameter of the work and turning operation. Ensure pulley door is closed at all other times.
- ✓ Rotate the workpiece by hand one revolution to check clearance between tool rest and bed.
- ✓ Ensure the cutting tools are sharp and in good condition.
- ✓ Start the dust extraction unit before using the lathe & ensure slide gate is open.

OPERATIONAL SAFETY CHECKS

- ✓ Before making adjustments, switch off and bring the lathe to a complete standstill.
- ✓ Do not open pulley access door unless lathe has come to a complete stop.
- ✓ Ensure that the drive spur is engaged in the timber
- ✓ Stand to one side when starting the lathe (if anything is going to fly off, start up is the likely time)
- ✓ Bring chisel in contact with the tool rest before it is brought into contact with the work piece
- ✓ Ensure the lathe is up to full speed before engaging the turning tool on the timber
- ✓ Keep the tool rest adjusted close to the work and at the correct height.
- ✓ Check the tail stock & chuck for tightness regularly.
- ✓ Ensure the dust extraction slide gate is closed when using a forstner type bit as there is a possibility of burning embers entering the dust system.

- ✓ Stop the lathe and remove all tool rests before sanding
- ✓ When using polishing cloths keep small, don't wrap around fingers, fold any loose threads into centre of cloth.
- ✓ Ensure wood is free from defects so that it does not fly apart during turning. Check for splits and knots

ENDING OPERATIONS AND CLEANING UP

- ✓ Switch off the lathe when work completed.
- ✓ Return all chisels and other tools to racks.
- ✓ Remove all tool rest and place in rack.
- ✓ Leave the lathe in a safe, clean and tidy state.

POTENTIAL HAZARDS AND INJURIES

- ⓘ Eye injuries from flying debris or defective timber.
- ⓘ Hair/clothing getting caught in moving machine parts.
- ⓘ Finger entrapment.
- ⓘ Airborne dust.

DON'T

- ✗ Do not use faulty equipment. Immediately report suspect equipment.
- ✗ Never leave the lathe running unattended.
- ✗ Loosen tail stock when turning between centres.
- ✗ Do not store tools on cast iron lathe bed.

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