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## Draper 60988

# Draper 60988 Mini Wood Lathe User Manual

Model: 60988 | Brand: Draper

## 1. IMPORTANT SAFETY INSTRUCTIONS

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Read and understand all instructions before operating this wood lathe. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

- **Eye Protection:** Always wear suitable eye protection when operating the lathe.
- **Secure Workpiece:** Ensure the workpiece is securely mounted before starting the lathe.
- **Clothing and Hair:** Keep loose clothing, jewelry, and long hair away from moving parts.
- **Clean Work Area:** Maintain a clean and well-lit work area to prevent accidents.
- **Disconnect Power:** Always disconnect the lathe from the power supply before making adjustments, changing accessories, or performing maintenance.
- **Ventilation:** Ensure adequate ventilation when working with wood, as dust can be harmful.
- **Stable Surface:** Operate the lathe on a stable, level surface.

## 2. PACKAGE CONTENTS

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Carefully unpack all items and check against the list below. Ensure all components are present and undamaged. If any items are missing or damaged, contact your supplier immediately.

- 1 x Draper 60988 250W 230V Mini Variable Speed Wood Lathe
- 1 x 50mm Faceplate
- 1 x 150mm Faceplate
- 1 x 175mm Tool Rest
- 1 x 3/4" Spur Drive
- 1 x User Manual



Image 1: Draper 60988 Mini Wood Lathe with all components laid out.

### 3. SETUP AND ASSEMBLY

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Follow these steps to safely set up your Draper 60988 Mini Wood Lathe.

1. **Mounting the Lathe:** Secure the lathe to a sturdy workbench using appropriate bolts and washers. Ensure it is stable and does not wobble during operation.
2. **Attaching the Tool Rest:** Insert the tool rest post into the tool rest base and tighten the locking handle. Position the tool rest approximately 3mm (1/8 inch) from the workpiece.
3. **Installing the Spur Drive/Faceplate:**
  - For turning between centers, thread the 3/4" spur drive onto the headstock spindle.
  - For faceplate turning, thread the desired faceplate (50mm or 150mm) onto the headstock spindle.
4. **Positioning the Tailstock:** Slide the tailstock along the bed to the desired position and lock it in place using the tailstock locking lever.
5. **Power Connection:** Ensure the power switch is in the "OFF" position before plugging the lathe into a standard 230V AC power outlet.

## 4. OPERATING INSTRUCTIONS

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This section outlines the basic steps for operating your wood lathe.

### 1. Mounting the Workpiece:

- **Between Centers:** Mark the center of both ends of your workpiece. Tap the spur drive into one end. Bring the tailstock up to the other end and advance the tailstock center into the workpiece. Lock the tailstock securely.
- **Faceplate Turning:** Securely attach your workpiece to the faceplate using screws. Mount the faceplate onto the headstock spindle.

2. **Adjusting Tool Rest:** Position the tool rest close to the workpiece, ensuring it does not touch when the workpiece rotates. Adjust the height so the cutting edge of your turning tool is slightly above the center line of the workpiece.

3. **Selecting Speed:** Use the variable speed control dial to select an appropriate speed. Start with a lower speed for larger or unbalanced workpieces and gradually increase as needed.

4. **Starting the Lathe:** Ensure all adjustments are secure and the work area is clear. Turn the power switch to the "ON" position.

5. **Turning:** With the lathe running, gently bring your turning tool into contact with the rotating workpiece, resting it on the tool rest. Apply light, controlled pressure to remove material.

6. **Stopping the Lathe:** Withdraw the turning tool from the workpiece. Turn the power switch to the "OFF" position and allow the workpiece to come to a complete stop before touching it.



Image 2: A user demonstrating the operation of the wood lathe, shaping a workpiece.



Image 3: Detailed view of the turning process, showing the tool rest and workpiece.



Image 4: An operator making adjustments to the workpiece on the lathe.

## 5. MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your lathe.

- **Cleaning:** After each use, disconnect the power and clean the lathe thoroughly. Remove all wood dust and chips from the bed, motor, and moving parts using a brush or vacuum cleaner.
- **Lubrication:** Periodically apply a light machine oil to the tailstock quill and other sliding surfaces to ensure smooth movement. Do not over-lubricate.
- **Inspection:** Regularly inspect the power cord for damage. Check all nuts, bolts, and fasteners for tightness and re-tighten as necessary. Ensure the spur drive and faceplates are free from damage.
- **Storage:** Store the lathe in a clean, dry environment when not in use.

## 6. TROUBLESHOOTING

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Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Lathe does not start	No power supply; Power switch off; Faulty power cord.	Check power outlet and circuit breaker; Ensure power switch is ON; Inspect power cord for damage.
Excessive vibration	Workpiece unbalanced; Lathe not securely mounted; Loose components.	Re-balance workpiece or reduce speed; Securely mount lathe to workbench; Tighten all fasteners.
Workpiece stops turning under load	Too much pressure applied; Motor overloaded; Drive belt slipping.	Reduce cutting pressure; Use sharper tools; Check and adjust drive belt tension (if applicable).
Tailstock not holding workpiece securely	Tailstock not locked; Center not advanced enough; Workpiece end not properly prepared.	Ensure tailstock locking lever is tight; Advance tailstock quill further; Ensure workpiece end has a proper dimple for the center.

## 7. TECHNICAL SPECIFICATIONS

Key technical details for the Draper 60988 Mini Wood Lathe.

Specification	Detail
Model Number	60988
Manufacturer	Draper
Power Input	250W
Voltage	230V
Power Type	Corded Electric
Product Dimensions (L x W x H)	70 x 32.8 x 17.6 cm
Item Weight	20.82 kg
Included Components	Lathe, 50mm Faceplate, 150mm Faceplate, 175mm Tool Rest, 3/4" Spur Drive, User Manual

## 8. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Draper 60988 Mini Wood Lathe, please refer to the warranty card included with your purchase or contact Draper customer service directly. Keep your proof of purchase for any warranty claims.

**Draper Tools Contact Information:** Please visit the official Draper Tools website for the most up-to-date contact details and support resources.

