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**WEN 6528**

# WEN 6528 3.8-Amp Electric Hand Planer Instruction Manual

Model: 6528

## 1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your WEN 6528 3.8-Amp 2-3/8-Inch Electric Hand Planer. Please read this manual thoroughly before using the tool and keep it for future reference.

The WEN 6528 Electric Hand Planer is designed for smoothing out joists, planing away chips, splinters, and misshapen edges on wood. Its 3.8-amp motor delivers over 32,000 cuts per minute, ensuring smooth and aligned surfaces. Key features include:

- 3.8-amp motor provides up to 32,000 cuts per minute.
- 9 positive stops adjust the cutting depth anywhere from 0 to 1/16 inches.
- Lightweight design weighs in at a mere 4.3 pounds.
- Includes an onboard storage slot for the blade adjustment wrench and a kickstand to prevent damage to your workpiece.

## 2. Safety Information

Always follow basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury. Keep this information readily available for all users.

### General Power Tool Safety Warnings

- **Work Area Safety:** Keep work area clean and well lit. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.
- **Personal Safety:** Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. Always wear eye protection and hearing protection.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- **Service:** Have your power tool serviced by a qualified repair person using only identical replacement parts.

### Specific Planer Safety Warnings

- Wait for the cutter to stop before setting the tool down. An exposed rotating cutter may engage the surface, leading to loss of control and serious injury.
- Secure the workpiece with clamps or other practical way to a stable platform. Holding the workpiece by hand or against your body leaves it unstable and may lead to loss of control.
- Use appropriate dust collection. The planer produces a significant amount of wood chips and dust.

## 3. Product Overview

Familiarize yourself with the components of your WEN Electric Hand Planer.




Figure 3.1: Front view of the WEN 6528 Electric Hand Planer, showing the main handle and depth adjustment knob.




Figure 3.2: Rear view of the WEN 6528 Electric Hand Planer, highlighting the dust exhaust port and power cord.




Figure 3.3: Close-up of the orange depth adjustment knob, allowing precise control over cutting depth from 0 to 1/16 inches.



Figure 3.4: The convenient onboard storage slot for the blade adjustment wrench, located at the rear of the planer.



Figure 3.5: The integrated kickstand, designed to protect both the blade and the workpiece when the planer is not in use by keeping the blade elevated.

## 4. Setup

### Unpacking and Inspection

1. Carefully remove the planer and all accessories from the packaging.

2. Inspect the tool for any damage that may have occurred during shipping. Do not operate if damaged.
3. Ensure all listed components are present: WEN 6528 Electric Hand Planer, blade adjustment wrench.

### Blade Installation/Inspection

The planer comes with blades pre-installed. Before first use, ensure they are securely fastened and free from damage.

- Always disconnect the planer from the power source before inspecting or changing blades.
- Use the provided blade adjustment wrench to tighten or loosen blade screws if necessary.
- Ensure blades are sharp and free of nicks for optimal performance and safety.

### Depth Adjustment

The cutting depth can be adjusted using the front knob.

1. Rotate the front depth adjustment knob to select the desired cutting depth. The planer offers 9 positive stops from 0 to 1/16 inches.
2. Start with a shallow depth setting and make multiple passes if a deeper cut is required.

## 5. Operating Instructions

### General Operation

1. Ensure your workpiece is securely clamped or otherwise stabilized.
2. Connect the planer to a suitable power outlet.
3. Hold the planer firmly with both hands. The main handle provides a secure grip.
4. Press the trigger to start the motor. Allow the motor to reach full speed before contacting the workpiece.
5. Apply even pressure and move the planer smoothly across the workpiece in the direction of the wood grain.
6. For optimal results, avoid stopping the planer mid-pass.
7. When finished, release the trigger and allow the blades to stop completely before setting the tool down. The kickstand will automatically deploy to protect the blades and surface.

### Planing Techniques

- **Edge Planing:** The base plate shoe includes two V-shaped grooves for easily flattening and shaping sharp post corners.
- **Surface Planing:** Overlap each pass slightly to ensure a smooth, even surface.
- **Beveling:** Use the V-grooves for creating chamfers or bevels on edges.



Figure 5.1: The WEN 6528 Electric Hand Planer in action, demonstrating its use for smoothing a wooden beam.

### Dust Collection

The planer is equipped with a dust exhaust port. For cleaner operation, connect a shop vacuum or dust bag (sold separately) to this port.

## 6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your planer.

### Cleaning

- Always disconnect the tool from the power source before cleaning.
- Use a soft brush or compressed air to remove dust and debris from the motor vents and blade area.
- Do not use harsh chemicals or abrasive cleaners.

### Blade Care and Replacement

- Inspect blades regularly for sharpness and damage. Dull or chipped blades can lead to poor cuts and increased motor strain.
- Replace blades when they become dull or damaged. Refer to the blade adjustment wrench storage section (Figure 3.4) for its location.
- When replacing blades, ensure they are properly seated and tightened to prevent vibration and ensure a clean cut.

### Storage

Store the planer in a clean, dry place, out of reach of children. Ensure the kickstand is engaged to protect the blades.

## 7. Troubleshooting

Refer to this section for common issues and their solutions.

| Problem | Possible Cause | Solution |
|---|---|---|
| Planer does not start | No power supply; Faulty power cord/plug; Damaged switch | Check power connection; Inspect cord/plug; Contact service center |
| Poor cutting performance / Rough finish | Dull or damaged blades; Incorrect depth setting; Feeding too fast | Replace/sharpen blades; Adjust depth setting; Reduce feed rate |
| Excessive vibration or noise | Loose blades; Damaged motor bearings; Unbalanced cutter head | Tighten blade screws; Contact service center |
| Motor overheats | Overloading; Blocked ventilation slots; Prolonged use | Reduce load; Clear vents; Allow tool to cool down |

## 8. Specifications

| Feature | Detail |
|---|---|
| Brand | WEN |

| Feature | Detail |
|---|---|
| Model Number | 6528 |
| Power Source | Electric |
| Motor | 3.8-Amp |
| No-Load Speed | 32,000 RPM (cuts per minute) |
| Cutting Width | 2-3/8 inches (2.375") |
| Maximum Cutting Depth | 1/16 inches (0.06") |
| Item Weight | 4.3 pounds |
| Product Dimensions | 9"L x 6.25"W x 6.5"H |
| Material | Alloy Steel (Base) |
| Included Components | Hand Planer, Blade Adjustment Wrench |
| UPC | 044459065289 |

## 9. Warranty and Support

Your WEN 6528 Electric Hand Planer comes backed by a two-year warranty, ensuring peace of mind regarding its quality and performance.

- For warranty claims or technical assistance, please contact WEN customer support.
- A digital version of the user manual is available for download:User Manual (PDF)
- Visit the official WEN Store for more products and information:WEN Store

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