

Holzmann TS250-230V

Holzmann TS250-230V Table Saw Instruction Manual

Model: TS250-230V

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1. SAFETY INSTRUCTIONS

Always prioritize safety when operating power tools. Failure to follow these instructions may result in serious injury or property damage. Keep this manual for future reference.

General Safety Rules

- **Read the entire manual:** Understand all instructions and warnings before operating the saw.
- **Wear appropriate safety gear:** Always use eye protection (safety glasses or goggles), hearing protection, and a dust mask. Avoid loose clothing, jewelry, and long hair.
- **Keep work area clean and well-lit:** Cluttered or dark areas invite accidents.
- **Do not operate in hazardous environments:** Do not use power tools in damp or wet locations, or where flammable liquids or gases are present.
- **Keep children and bystanders away:** All visitors should be kept a safe distance from the work area.
- **Secure the workpiece:** Always use clamps or other methods to secure the workpiece to prevent movement during cutting.
- **Use the correct blade:** Ensure the blade is sharp, clean, and appropriate for the material being cut.
- **Never bypass safety devices:** Always use blade guards, splitters, and anti-kickback pawls.
- **Disconnect power:** Always unplug the saw before making adjustments, changing blades, or performing maintenance.

Table Saw Specific Safety

- **Use a push stick/block:** Always use a push stick or push block when making narrow cuts or when your hands are close to the blade.

- **Avoid kickback:** Ensure the rip fence is parallel to the blade. Never rip freehand.
- **Support long workpieces:** Use outfeed supports for long or heavy materials to prevent tipping.
- **Maintain proper footing and balance:** Do not overreach.

2. PRODUCT OVERVIEW

The Holzmann TS250-230V is a robust table saw designed for precise cutting of wood and similar materials. It features a cast iron table, a powerful 2200W motor, and a 254mm blade, making it suitable for various woodworking tasks in small workshops.



Figure 2.1: Front view of the Holzmann TS250-230V Table Saw, showing the main table, blade guard, rip fence, and sliding carriage.

Key Components

- **Cast Iron Table:** Provides a stable and durable work surface.
- **Table Extension:** Expands the working area for larger materials.
- **Blade Guard:** Protects the user from the rotating blade.
- **Rip Fence:** Guides the workpiece for accurate parallel cuts, with quick lock mechanism.

- **Sliding Carriage (Miter Gauge):** For precise cross-cutting and angled cuts.
- **Blade Height Adjustment Wheel:** Controls the cutting depth.
- **Blade Tilt Adjustment Wheel:** Allows for angled cuts from 0° to 45°.
- **Dust Extraction Ports:** Connects to a dust collection system for a cleaner work environment.
- **Eccentric Clamp:** Used to secure workpieces on the sliding carriage.



Figure 2.2: Side view of the Holzmann TS250-230V Table Saw, highlighting the main dust extraction port and overall structure.

3. SETUP

Careful setup ensures optimal performance and safety. Follow these steps to prepare your table saw for use.

3.1 Unpacking and Inspection

1. Carefully remove all components from the packaging.
2. Inspect all parts for any shipping damage. If damage is found, contact your supplier immediately.
3. Verify that all included components are present: 254 mm blade, aluminum sliding carriage, rip fence, eccentric clamp, and table extension.

3.2 Assembly

1. **Install the Table Extension:** Attach the welded mechanical table extension to the main cast iron table using the provided hardware. Ensure it is level and securely fastened.
2. **Mount the Rip Fence:** Slide the aluminum rip fence onto its rail. Test the quick lock mechanism to ensure it secures firmly and is parallel to the blade.
3. **Attach the Blade Guard:** Secure the blade guard over the saw blade. Ensure it moves freely and provides adequate protection.
4. **Connect Dust Extraction:** Attach a suitable dust collection system to the 100 mm main port and the 25 mm

port on the blade guard.

3.3 Electrical Connection

- Ensure the power supply matches the saw's requirements (230 V, 50 Hz).
- Connect the saw to a grounded electrical outlet.
- Do not use extension cords unless absolutely necessary, and ensure they are rated for the saw's power requirements.

4. OPERATION

Familiarize yourself with the controls and practice on scrap material before making critical cuts.

4.1 Adjusting Blade Height and Angle

- **Blade Height:** Use the blade height adjustment wheel to raise or lower the blade. For most cuts, the blade should extend approximately 1/8 inch (3 mm) above the workpiece.
- **Blade Angle:** Use the blade tilt adjustment wheel to set the desired angle between 0° and 45°. Ensure the angle is locked before cutting.

4.2 Using the Rip Fence

1. Unlock the rip fence.
2. Position the fence to the desired ripping width (up to 750 mm).
3. Lock the rip fence securely. Verify it is parallel to the blade to prevent kickback.
4. Feed the workpiece slowly and steadily against the fence, using a push stick for the final portion of the cut.

4.3 Using the Sliding Carriage (Miter Gauge)

- Insert the sliding carriage into the table slot.
- Place the workpiece against the fence of the sliding carriage. Use the eccentric clamp to secure it if needed.
- Push the carriage and workpiece smoothly through the blade for cross-cuts or angled cuts.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Holzmann TS250-230V table saw. Always disconnect power before performing any maintenance.

5.1 Cleaning

- After each use, clear sawdust and debris from the table, blade guard, and motor housing.
- Use a brush or vacuum cleaner. Do not use compressed air as it can force dust into bearings.
- Clean the cast iron table with a non-abrasive cleaner and apply a rust preventative if necessary.

5.2 Blade Replacement

1. **Disconnect power.**
2. Raise the blade to its maximum height.
3. Remove the blade guard.
4. Use the appropriate wrenches to loosen the arbor nut and remove the old blade.
5. Install the new 254 mm blade, ensuring the teeth are oriented correctly for cutting.
6. Tighten the arbor nut securely and reattach the blade guard.

5.3 General Checks

- Regularly check all nuts, bolts, and fasteners for tightness.
- Inspect the power cord for damage.
- Ensure all moving parts operate smoothly. Lubricate as recommended by the manufacturer (refer to a more detailed manual if available).

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your table saw.

Problem	Possible Cause	Solution
Saw does not start	No power supply Faulty switch Motor overload	Check power connection and circuit breaker Contact qualified service personnel Allow motor to cool, reduce load
Poor cut quality (rough, burning)	Dull or dirty blade Incorrect blade type Improper feed rate	Replace or clean blade Use appropriate blade for material Adjust feed rate, ensure steady pressure
Excessive vibration	Loose blade Damaged blade Unstable saw base	Tighten arbor nut Replace blade Ensure saw is on a stable, level surface
Kickback occurs	Rip fence not parallel Workpiece binding No splitter/riving knife used	Adjust rip fence to be parallel to blade Ensure workpiece is properly supported and fed Always use the splitter/riving knife

7. SPECIFICATIONS

Technical data for the Holzmann TS250-230V Table Saw.

Feature	Value
Manufacturer	Holzmann
Model Number	TS250_230V
Product Dimensions (L x W x H)	63.5 x 63.5 x 42 cm
Item Weight	122 Kilograms
Color	Red and Grey
Power Type	Corded Electric
Voltage	230 Volts
Power	2200 Watts
Blade Length / Diameter	254 mm
Blade Bore	30 mm

Feature	Value
Speed	4000 rpm
Cutting Capacity at 90°	80 mm
Cutting Capacity at 45°	65 mm
Blade Tilt	0° to 45°
Ripping Width against Fence	750 mm
Cast Iron Table Dimensions	635 x 420 mm
Table Dimensions with Extension	635 x 1000 mm
Dust Extraction Port Diameter	100 mm (main) and 25 mm (blade guard)
Blade Material	High-speed steel
Surface Recommendation	Aluminum, Wood, Cast Iron
Special Features	Depth adjustment, Keyless blade replacement
Included Components	Blade, Aluminum sliding carriage, Rip fence, Eccentric clamp, Extension

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The Holzmann TS250-230V Table Saw comes with a **2-year warranty**. This warranty covers manufacturing defects and material faults under normal use. Please note that wear parts are excluded from this warranty.

Keep your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, spare parts, or warranty inquiries, please contact your authorized Holzmann dealer or the customer support service. Ensure you have your model number (TS250-230V) and purchase details ready when contacting support.