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› [Holzmann](#) /

› Holzmann TS 250 F Precision Circular Saw User Manual

Holzmann HM-TS250F

Holzmann TS 250 F Precision Circular Saw User Manual

Model: HM-TS250F

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Holzmann TS 250 F Precision Circular Saw. Please read this manual thoroughly before initial use and keep it for future reference. Proper understanding and adherence to these instructions will ensure optimal performance and extend the lifespan of your tool.

2. SAFETY INSTRUCTIONS

WARNING: Failure to follow these safety instructions may result in serious injury or property damage.

- Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and a dust mask.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Keep children and bystanders away from the operating machine.
- Disconnect the power supply before making any adjustments, changing blades, or performing maintenance.
- Use only blades suitable for the material being cut and ensure they are sharp and correctly installed.
- Never force the saw through material; allow the blade to cut at its own pace.
- Secure the workpiece firmly before cutting to prevent kickback.
- Do not operate the saw in damp or wet conditions.
- Regularly inspect the power cord for damage.

3. SETUP AND ASSEMBLY

Before operating the Holzmann TS 250 F, ensure it is properly assembled and connected to the correct power supply (400 Volt). This section outlines the basic setup procedures.

3.1 Unpacking and Inspection

Carefully remove all components from the packaging. Inspect for any shipping damage. Report any damage to your dealer immediately. Retain packaging for future transport.

3.2 Blade Installation

1. Ensure the saw is disconnected from the power supply.
2. Locate the blade guard and securing mechanism.
3. Using the appropriate wrench, loosen the arbor nut.
4. Carefully place the 250 mm blade onto the arbor, ensuring the teeth are oriented correctly for cutting.
5. Tighten the arbor nut securely. Do not overtighten.
6. Verify the blade guard operates freely.

3.3 Power Connection

Connect the saw to a 400 Volt power source. Ensure the electrical circuit is properly grounded and capable of handling the saw's power requirements. Consult a qualified electrician if unsure.



Figure 1: Holzmann TS 250 F Precision Circular Saw. This image shows the overall design of the saw, including the main body, blade guard, and table.

4. OPERATING INSTRUCTIONS

This section details the procedures for operating your Holzmann TS 250 F Precision Circular Saw safely and effectively.

4.1 Adjusting Depth of Cut

The saw features depth adjustment. To set the desired cutting depth, loosen the depth adjustment lever, position the blade to the required depth (approximately 3-6 mm deeper than the workpiece thickness), and securely tighten the lever. Always ensure the blade does not cut into the support surface.

4.2 Cutting Materials

The Holzmann TS 250 F is suitable for cutting various materials including Aluminium, Cast Iron, and Wood. Always use the correct blade type for the material being cut. Ensure the workpiece is stable and properly supported.

- **Wood:** Use a general-purpose wood blade. Ensure the wood is free of nails or foreign objects.
- **Aluminium:** Use a non-ferrous metal cutting blade. Apply appropriate cutting lubricant if necessary.
- **Cast Iron:** Use a suitable abrasive or metal-cutting blade. Exercise caution due to sparks and hot debris.

4.3 Starting and Stopping

To start the saw, press the ON button. Allow the blade to reach full speed before beginning the cut. To stop, press the OFF button. Wait for the blade to come to a complete stop before leaving the machine or making adjustments.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your circular saw. Always disconnect the power supply before performing any maintenance.

- **Cleaning:** After each use, clean the saw of dust and debris using a brush or compressed air. Do not use solvents that may damage plastic parts.
- **Blade Inspection:** Regularly inspect the blade for sharpness, damage, or missing teeth. Replace dull or damaged blades immediately.
- **Lubrication:** Periodically lubricate moving parts as indicated in a more detailed service manual (if applicable).
- **Electrical Cord:** Check the power cord for cuts, abrasions, or other damage. Replace if damaged.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Holzmann TS 250 F Precision Circular Saw.

Problem	Possible Cause	Solution
Saw does not start	No power supply; damaged power cord; faulty switch	Check power connection and circuit breaker; inspect cord; contact service if switch is faulty.
Blade binds or cuts slowly	Dull blade; incorrect blade for material; workpiece not secured; motor overload	Replace or sharpen blade; use correct blade; secure workpiece; reduce feed rate.
Excessive vibration	Damaged or unbalanced blade; loose components; worn bearings	Inspect and replace blade; check all fasteners; contact service for bearing issues.

7. SPECIFICATIONS

Key technical specifications for the Holzmann TS 250 F Precision Circular Saw.

Feature	Detail
Brand	Holzmann
Model Number	HM-TS250F
Voltage	400 Volt
Blade Length	250 Millimeter
Blade Material	Aluminiumoxide
Recommended Surface	Aluminium, Cast Iron, Wood
Special Feature	Depth Adjustment

Feature	Detail
Power Source	Battery powered <i>(Note: This specification might be a data entry error given the 400V rating. Always verify with product labeling.)</i>

8. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the separate warranty document included with your purchase or visit the official Holzmann website. For technical support, spare parts, or service inquiries, please contact your authorized Holzmann dealer or the manufacturer's customer service department.

Please retain your proof of purchase for warranty claims.