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> Einhell 4300345 TH-MS 2513 T Miter and Table Saw Instruction Manual

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Model: 4300345

1. INTRODUCTION

Thank you for choosing the Einhell TH-MS 2513 T Miter and Table Saw. This versatile power tool is designed for precise cutting of wood, plastic, and non-ferrous metals, offering both miter saw and table saw functionalities. This manual provides essential information for the safe and efficient operation, setup, maintenance, and troubleshooting of your saw. Please read these instructions carefully before first use and keep them for future reference.



2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent electric shock, fire, and serious injury:

- **Read the entire manual:** Understand all instructions and warnings before operating the saw.
- **Wear personal protective equipment (PPE):** Always wear safety glasses, hearing protection, and a dust mask. Use gloves when handling saw blades.
- **Keep work area clean and well-lit:** Cluttered or dark areas invite accidents.
- **Do not operate in explosive atmospheres:** Do not use power tools in the presence of flammable liquids, gases, or dust.
- **Secure workpiece:** Always clamp or hold the workpiece firmly to prevent movement during cutting.
- **Use correct blade:** Ensure the saw blade is sharp, clean, and suitable for the material being cut. Never use damaged or dull blades.
- **Maintain proper footing and balance:** Do not overreach.
- **Disconnect power:** Always unplug the saw before making adjustments, changing accessories, or performing maintenance.
- **Keep guards in place:** Never operate the saw without all guards properly installed and functioning.
- **Avoid accidental starting:** Ensure the switch is in the off-position before plugging in the tool.

3. SETUP

3.1 Unpacking and Inspection

Carefully remove all components from the packaging. Inspect the saw for any damage that may have occurred during shipping. Do not operate the saw if any parts are damaged or missing. Contact customer support immediately.

3.2 Assembly

The Einhell TH-MS 2513 T requires minimal assembly. Ensure all included components, such as the push stick and any necessary guards, are properly attached according to the diagrams in the separate assembly guide (if provided). The work table is made of lightweight and stable cast aluminum, designed for precise work.

3.3 Saw Blade Installation

1. **Disconnect power:** Ensure the saw is unplugged from the power source.
2. **Open blade guard:** Carefully lift or open the blade guard to access the blade arbor.
3. **Install blade:** Place the saw blade ($\varnothing 250 \times \varnothing 30 \times 2.8$ mm, 36 teeth) onto the arbor, ensuring the rotation direction indicated on the blade matches the arrow on the saw.
4. **Secure blade:** Fasten the blade with the provided washer and arbor nut, tightening securely.
5. **Close guard:** Return the blade guard to its original position.



Figure 2: Saw blade and protective guard in miter saw configuration.

4. OPERATING INSTRUCTIONS

4.1 General Operation

Before starting, ensure your workpiece is stable and properly supported. Always allow the blade to reach full speed before beginning a cut. Feed the material slowly and steadily. Never force the saw.

4.2 Miter Saw Function

The miter saw function allows for precise cross-cuts and miter cuts. Adjust the miter angle by loosening the locking knob, setting the desired angle ($-45^{\circ}/0^{\circ}/+45^{\circ}$), and re-tightening the knob. For bevel cuts, adjust the saw head tilt. Ensure the workpiece is firmly against the fence.

- **Cutting Capacity at 90°:** 130 x 75 mm
- **Cutting Capacity at 45°:** 120 x 50 mm
- **Cutting Capacity at 2 x 45° (Compound Miter):** 70 x 35 mm



Figure 3: Adjusting the miter angle for precise cuts.

4.3 Table Saw Function

To use the saw as a table saw, lock the saw head in the upright position. Adjust the cutting height (0–40 mm) using the height adjustment mechanism. Use the parallel fence for rip cuts and the push stick for feeding smaller workpieces. The table surface measures 416 x 352 mm.



Figure 4: Adjusting the cutting height for table saw operation.

4.4 Dust Extraction

The saw is equipped with a dust funnel behind the saw blade for improved sawdust collection. Connect a suitable dust extractor to the dust port to maintain a clean work environment and improve visibility during operation.

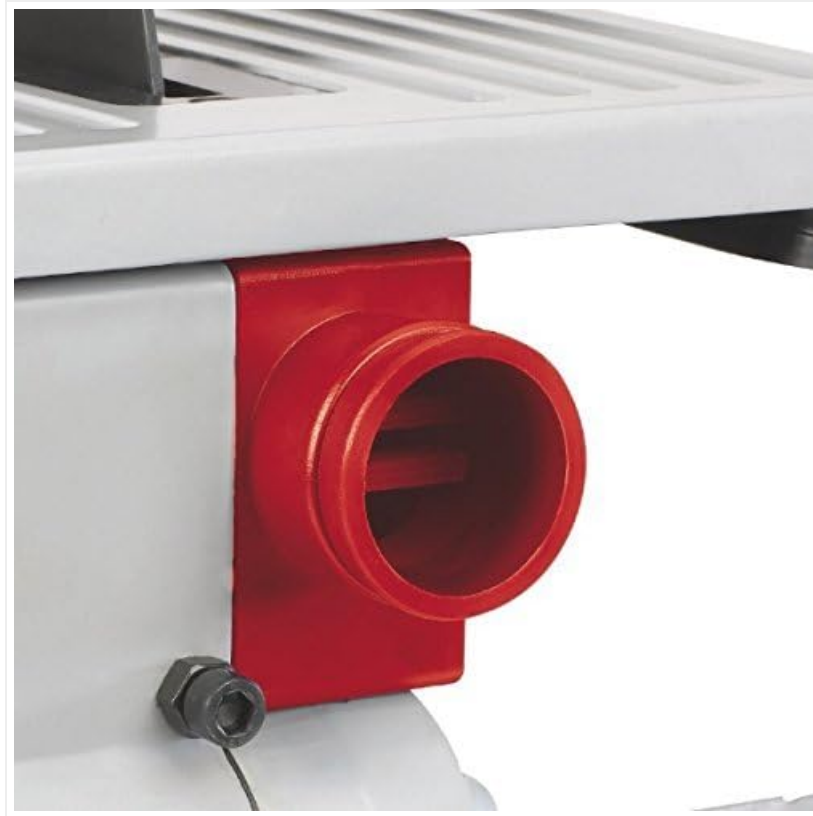


Figure 5: Dust extraction port for connecting a vacuum system.

5. MAINTENANCE

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

- **Cleaning:** After each use, disconnect the saw from power and clean off sawdust and debris using a brush or compressed air. Do not use solvents that could damage plastic parts.
- **Blade Inspection:** Regularly inspect the saw blade for sharpness, cracks, or missing teeth. Replace dull or damaged blades immediately.
- **Guard Functionality:** Ensure all guards move freely and return to their protective positions.
- **Lubrication:** Apply a light coat of machine oil to moving parts as recommended in the full manual (if applicable).
- **Power Cord:** Check the power cord for damage. Do not use the saw if the cord is frayed or cut.

6. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Saw does not start	No power supply; faulty switch; thermal overload activated.	Check power connection; test switch; allow motor to cool down.
Poor cut quality / Burning wood	Dull or dirty blade; incorrect blade for material; feeding too fast.	Replace or clean blade; use appropriate blade; reduce feed rate.

Problem	Possible Cause	Solution
Excessive vibration	Loose blade; damaged blade; unstable mounting.	Tighten blade nut; replace blade; ensure saw is securely mounted.
Dust extraction ineffective	Dust port clogged; dust extractor not powerful enough; hose disconnected.	Clear dust port; use a more powerful extractor; check hose connections.

7. TECHNICAL SPECIFICATIONS

Specification	Value
Model Number	4300345
Power Input	1800 W
No-load Speed	4500 min ⁻¹
Saw Blade Dimensions	Ø 250 x Ø 30 x 2.8 mm
Number of Teeth	36
Miter Angle Adjustment	-45° / 0° / +45°
Cutting Width at 90°	130 x 75 mm
Cutting Width at 45°	120 x 50 mm
Cutting Width at 2 x 45°	70 x 35 mm
Table Saw Surface	416 x 352 mm
Table Saw Cutting Height	0 – 40 mm
Voltage	230 V
Item Weight	14 kg
Product Dimensions (L x W x H)	54.5 x 47 x 37.5 cm
Recommended Surface	Wood, Metal, Plastic

8. WARRANTY AND SUPPORT

8.1 Warranty

This Einhell product comes with a **2-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers defects in material and workmanship under normal use. It does not cover damage caused by misuse, abuse, unauthorized repairs, or normal wear and tear.

8.2 Customer Support

For technical assistance, spare parts, or warranty inquiries, please contact Einhell customer support. You can find contact information on the official Einhell website or through your local retailer.

Website: www.einhell.com

Please have your model number (4300345) and serial number (if applicable) ready when contacting support.



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