

Einhell TC-MS 2513 L

Einhell TC-MS 2513 L Miter Saw User Manual

Model: TC-MS 2513 L (4300850)

1. GENERAL SAFETY INSTRUCTIONS

Always read and understand all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. 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. Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep cord away from heat, oil, sharp edges, or moving parts.
- **Personal Safety:** Always wear eye protection, dust mask, non-skid safety shoes, hard hat, or hearing protection for appropriate conditions. Stay alert, watch what you are doing, and use common sense when operating a power tool.
- **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.
- **Specific Miter Saw Safety:** Ensure the workpiece is securely clamped before cutting. Keep hands clear of the cutting area and the blade. Allow the blade to reach full speed before beginning a cut.

2. PRODUCT OVERVIEW AND COMPONENTS

The Einhell TC-MS 2513 L Miter Saw is designed for precise and efficient cutting tasks. Familiarize yourself with its key components for safe and effective operation.



Figure 2.1: Overall view of the Einhell TC-MS 2513 L Miter Saw, showcasing its compact and robust design with the dust collection bag attached.



Figure 2.2: A user demonstrating the proper stance and operation of the miter saw for cutting a wooden workpiece.

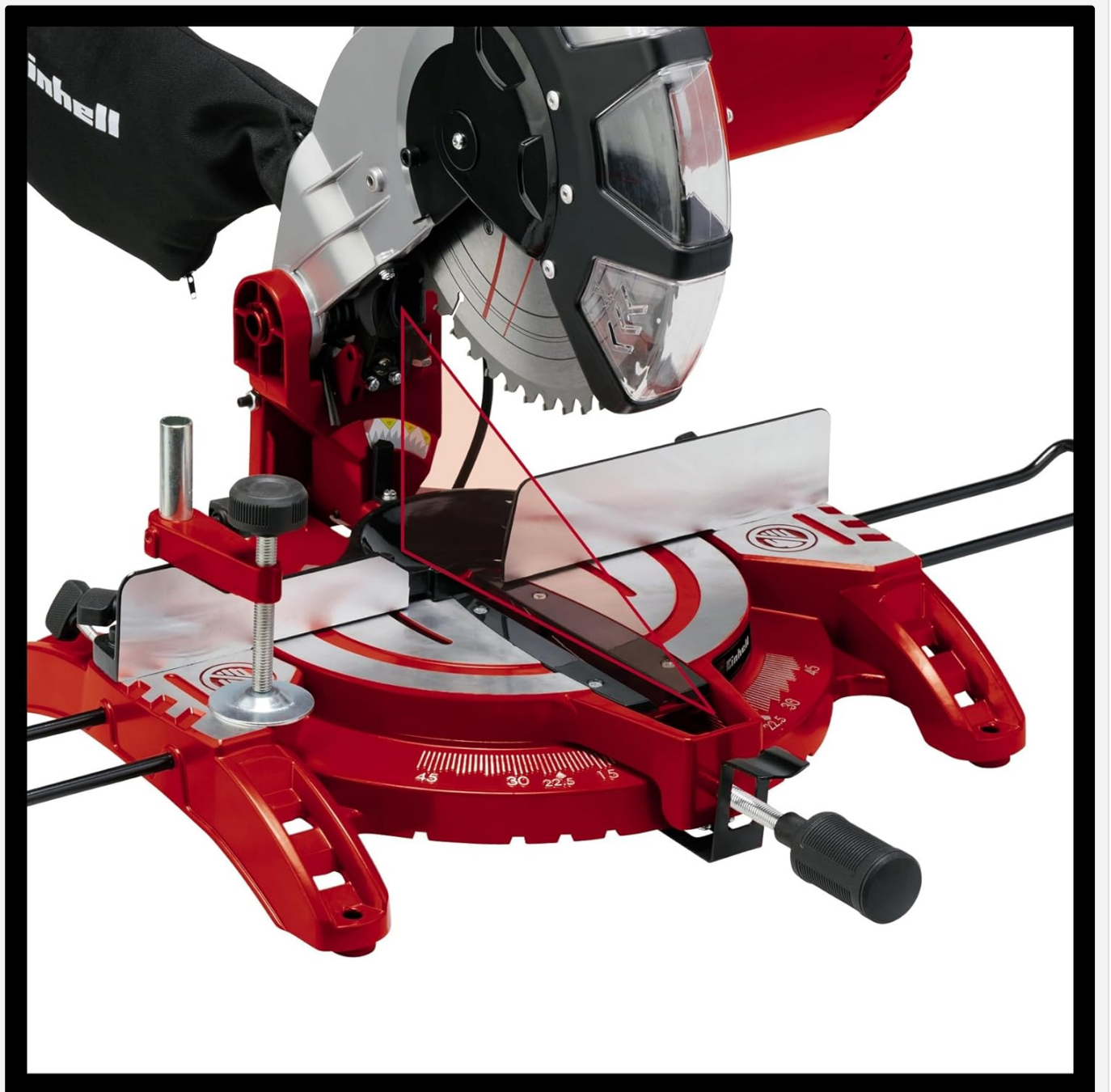


Figure 2.3: Close-up view of the integrated laser guide, projecting a precise line onto the workpiece for accurate cutting alignment.



Figure 2.4: The adjustable X-Tend supports, designed to provide stable support for longer workpieces during cutting operations.



Figure 2.5: Illustration of the saw head tilting mechanism, allowing for easy adjustment to achieve precise miter cuts.



Figure 2.6: A close-up of the high-quality carbide-tipped saw blade, designed for clean and powerful cuts.

Key Components:

- **Swivel Plate:** High-quality base with exact angle adjustment for angular cuts.
- **Saw Head:** Can be tilted to the left for miter cuts.
- **Laser Guide:** Mains-powered laser marks the cutting line for quick and precise positioning.
- **Clamping Device:** Robust mechanism to securely fix workpieces.
- **X-Tend Supports:** Adjustable supports for processing long workpieces.
- **Integrated Stop:** Ensures precise and repeatable cuts.
- **Saw Blade:** Superior quality carbide-tipped blade for clean and powerful cutting.
- **Dust Collection Bag:** Effective for maintaining a clean workplace by collecting sawdust.
- **Carrying Handle:** For simple and safe transportation of the tool.

3. SETUP

Before operating the miter saw, ensure it is properly set up and secured.

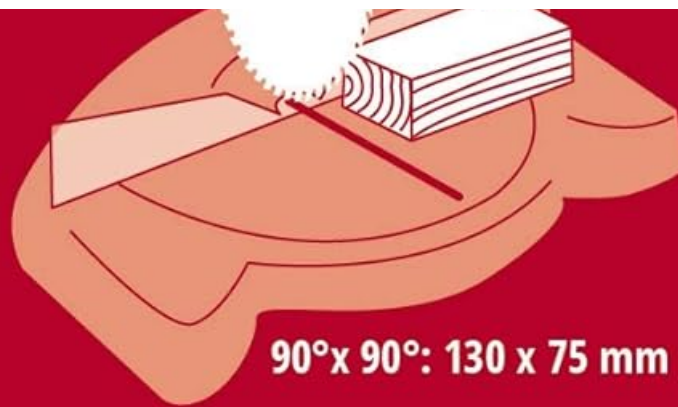
1. **Unpacking and Inspection:** Carefully remove the saw from its packaging. Inspect all components for any damage that may have occurred during transit. Ensure all listed parts are present.
2. **Mounting the Saw:** For stable operation, it is recommended to mount the miter saw to a workbench or a stable stand using appropriate fasteners.
3. **Attaching the Dust Bag:** Connect the provided dust collection bag to the dust extraction port on the saw. Ensure it is securely fastened to effectively collect sawdust during operation.
4. **Adjusting X-Tend Supports:** Extend the X-Tend supports as needed to provide adequate support for the length of your workpiece. These supports can be adjusted with one hand.
5. **Power Connection:** Connect the saw's power cord to a suitable 230V power outlet. Ensure the power switch is in the OFF position before plugging in.

4. OPERATING INSTRUCTIONS

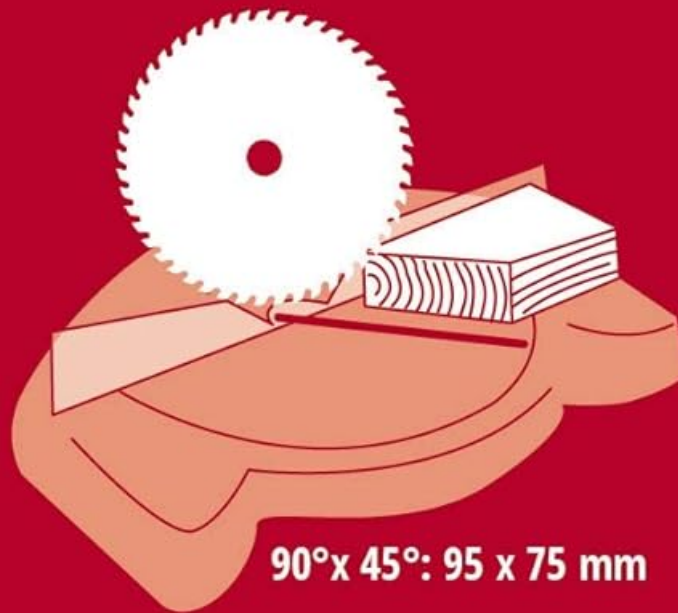
Follow these steps for safe and effective operation of your Einhell TC-MS 2513 L Miter Saw.

1. **Workpiece Placement:** Place the workpiece firmly against the fence and on the saw table.
2. **Securing the Workpiece:** Use the robust clamping device to securely fix the workpiece in place. This is crucial for preventing movement during cutting and ensuring safety.
3. **Setting the Cutting Angle (Miter Cut):**
 - Loosen the locking handle for the swivel plate.
 - Rotate the swivel plate to the desired angle, indicated on the scale. The high-quality swivel plate allows for exact angle adjustment.
 - Lock the swivel plate in position with one hand.
4. **Setting the Bevel Angle (Tilt Cut):**
 - To make miter cuts, the saw head can be tilted to the left.
 - Adjust the tilt angle as required and secure it.
5. **Using the Laser Guide:** Activate the mains-powered laser. The laser line will project onto your workpiece, indicating the precise cutting path. Use this guide for quick and accurate positioning.
6. **Making the Cut:**
 - Ensure the area around the blade is clear of obstructions and your hands.
 - Press the power switch to start the saw. Allow the blade to reach its full operating speed (4000 rpm) before beginning the cut.
 - Slowly and steadily lower the saw blade through the workpiece. Do not force the saw.
 - Once the cut is complete, release the power switch and allow the blade to stop completely before raising the saw head.
7. **Using the Integrated Stop:** For repetitive cuts of the same length, utilize the integrated stop feature to ensure consistent and precise results.

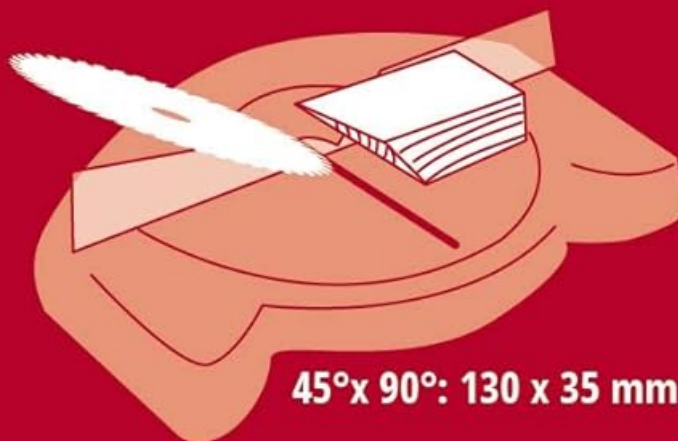




90°x 90°: 130 x 75 mm



90°x 45°: 95 x 75 mm



45°x 90°: 130 x 35 mm



45°x 45°: 95 x 35 mm



Figure 4.1: Diagram illustrating various cutting angles and their corresponding maximum cutting capacities (e.g., 90°x90°: 130x75 mm, 45°x45°: 95x35 mm).

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your miter saw.

- **Cleaning:** After each use, disconnect the saw from the power supply. Clean the saw thoroughly, especially around the blade guard, table, and dust collection port, to remove sawdust and debris. The sawdust collection bag should be emptied regularly.
- **Blade Inspection and Replacement:** Regularly inspect the carbide-tipped saw blade for sharpness and damage. A dull or damaged blade can lead to poor cuts and increased strain on the motor. Replace the blade when necessary, following the instructions in your detailed product manual for safe blade removal and installation.
- **Lubrication:** Periodically lubricate moving parts as recommended in the full product manual to ensure smooth operation.
- **Cord Inspection:** Check the power cord for any signs of damage, cuts, or fraying. Replace damaged cords immediately by a qualified professional.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Saw does not start	No power supply; Faulty switch; Motor overload protection activated	Check power connection; Contact service center; Allow motor to cool down
Inaccurate cuts	Dull blade; Incorrect angle setting; Workpiece not clamped securely	Replace blade; Re-adjust angle precisely; Secure workpiece firmly with clamping device
Excessive dust/chips	Dust bag full or improperly attached; Clogged dust port	Empty and reattach dust bag; Clear any blockages in the dust port
Saw blade binds in workpiece	Workpiece not supported; Forcing the cut; Dull blade	Use X-Tend supports; Do not force, let saw do the work; Replace blade

If you encounter problems not listed here or if solutions do not resolve the issue, please contact Einhell customer support.

7. SPECIFICATIONS

Technical data for the Einhell TC-MS 2513 L Miter Saw:

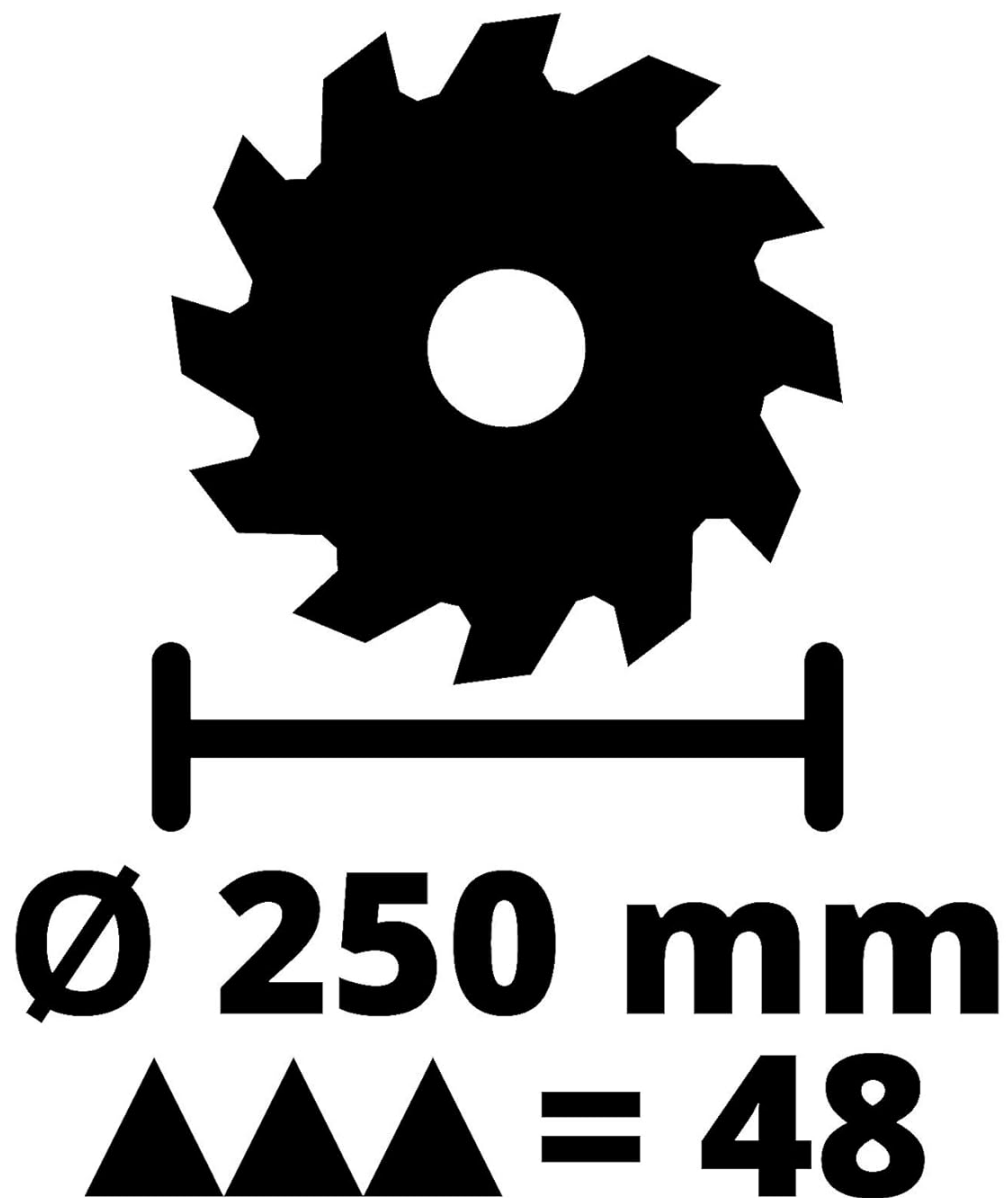


Figure 7.1: Icon indicating a blade diameter of 250 mm and 48 teeth.

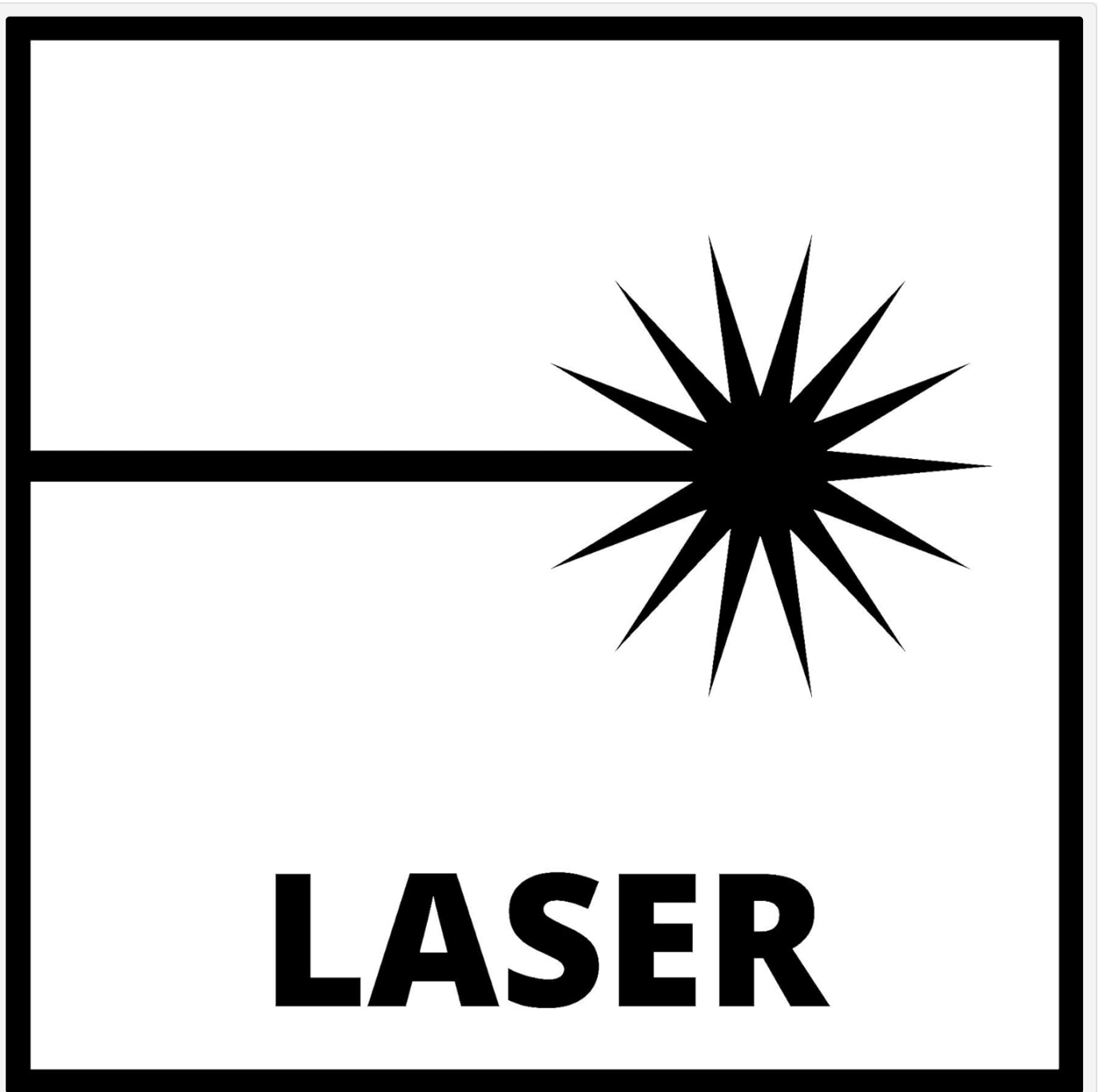
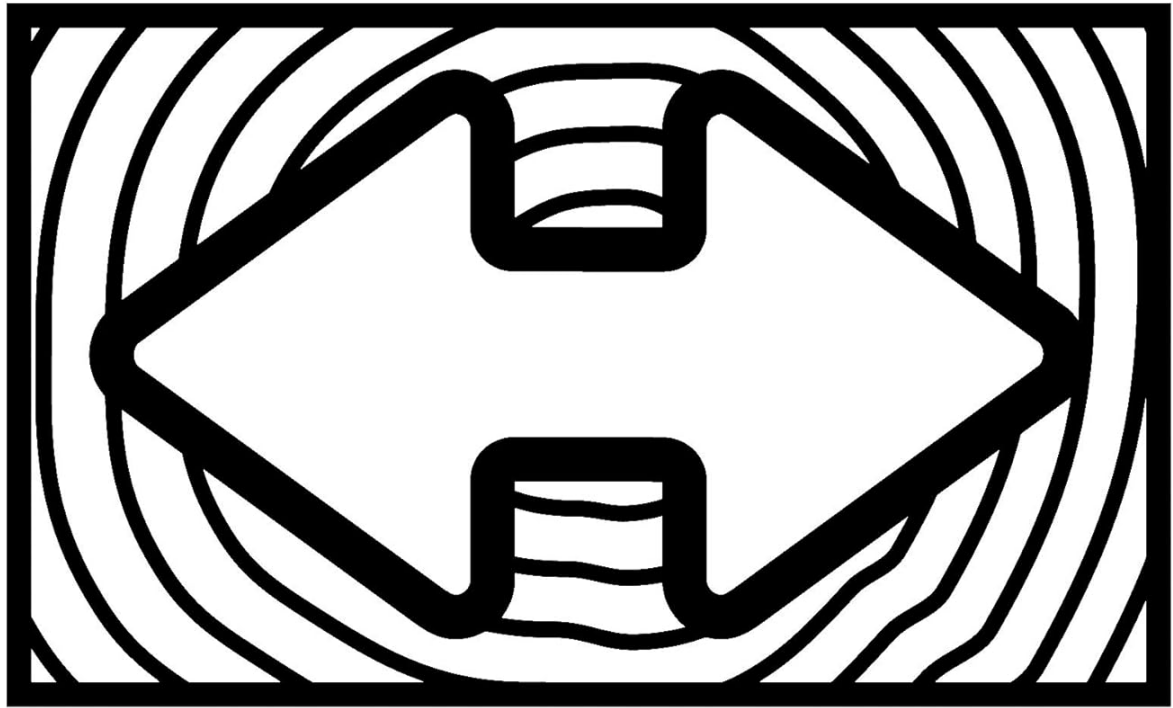
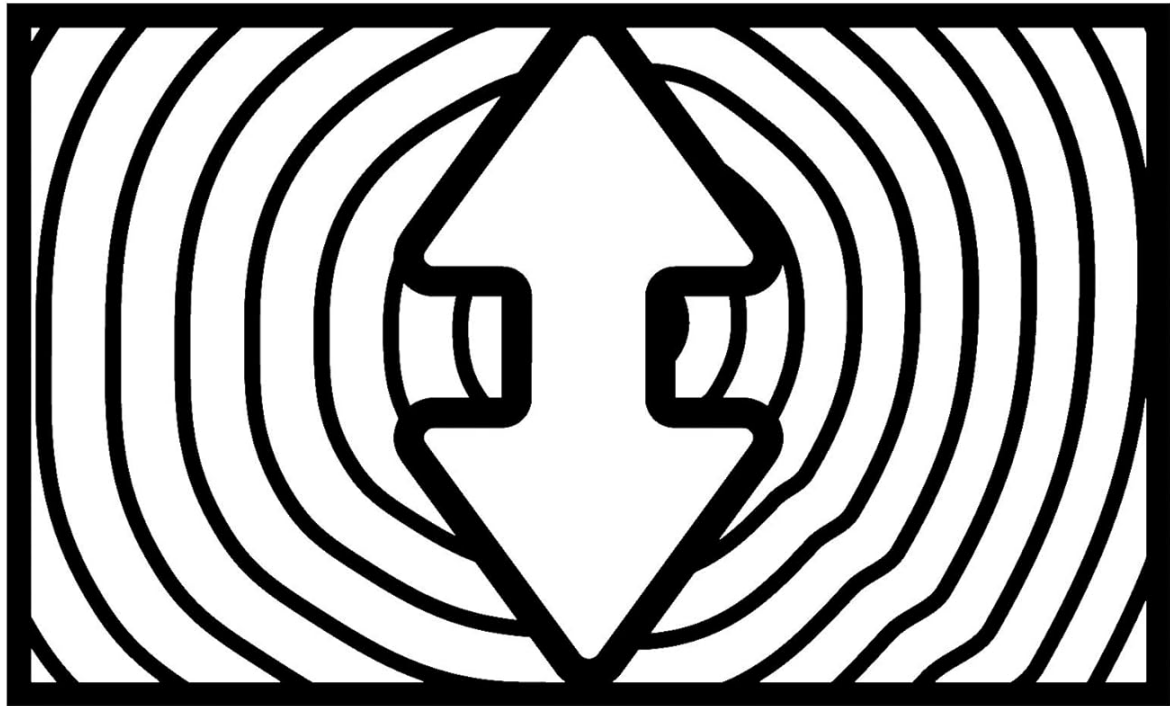


Figure 7.2: Icon representing the integrated laser guide feature.



max. 130 mm

Figure 7.3: Icon indicating a maximum cutting width of 130 mm.



max. 75 mm

Figure 7.4: Icon indicating a maximum cutting height of 75 mm.

- **Model:** TC-MS 2513 L
- **Model Number:** 4300850
- **Power Input:** 1200 Watts
- **Voltage:** 230 Volts
- **No-Load Speed:** 4000 rpm
- **Saw Blade Diameter:** 250 mm
- **Number of Teeth:** 48
- **Max. Cutting Width:** 120 mm (at 90°)
- **Max. Cutting Depth:** 75 mm (at 90°)
- **Dimensions (L x W x H):** 73 x 66.8 x 52.5 cm
- **Weight:** 9.75 Kilograms
- **Cord Length:** 1.4 Meters
- **Handle Material:** Polypropylene

- **Special Features:** Depth adjustment, Laser, X-Tend supports
- **Included Components:** 1 Miter Saw, 1 Saw Blade, 1 Dust Bag

8. WARRANTY AND SUPPORT

Einhell is committed to the quality and longevity of its products.





- **Extended Warranty:** In addition to the standard warranty, Einhell offers an extended 3-year warranty on all Einhell devices upon online registration. To activate this extended service, products must be registered on the official Einhell website within 30 days of purchase.
- **Customer Support:** For further assistance, technical support, or spare parts, please visit the official Einhell website or contact their customer service department.



Figure 8.1: Badge indicating the 3-year warranty available upon online registration.

Related Documents - TC-MS 2513 L

	<p>Einhell TC-TC 800 Fliesenschneidmaschine Bedienungsanleitung</p> <p>Umfassende Bedienungsanleitung für die Einhell TC-TC 800 Fliesenschneidmaschine. Enthält Sicherheitshinweise, technische Daten, Montage-, Betriebs- und Wartungsanleitungen sowie Garantieinformationen.</p>
	<p>Einhell TE-MS 2112 L Kapp- und Gehrungssäge: Bedienungsanleitung & Sicherheitshinweise</p> <p>Umfassende Bedienungsanleitung für die Einhell TE-MS 2112 L Kapp- und Gehrungssäge. Enthält wichtige Sicherheitshinweise, technische Daten und Anleitungen zur sicheren Verwendung und Wartung.</p>

	<p>Einhell TC-SM 2131/2 Dual: Originalbetriebsanleitung</p> <p>This manual provides essential operating instructions, safety guidelines, technical specifications, and maintenance information for the Einhell TC-SM 2131/2 Dual sliding mitre saw. Learn how to safely and effectively use your Einhell mitre saw for various cutting tasks.</p>
	<p>Einhell TC-SM 2131/2 Dual Sliding Mitre Saw: Official Operating Manual & Safety Guide</p> <p>Get the official operating manual for the Einhell TC-SM 2131/2 Dual sliding mitre saw. This guide covers safety instructions, setup, usage, and maintenance for woodworking professionals and DIY enthusiasts.</p>
	<p>Einhell TC-SM 2131/2 Dual Radial Mitre Saw Operating Instructions</p> <p>Comprehensive operating instructions and safety information for the Einhell TC-SM 2131/2 Dual radial mitre saw. Learn about its features, setup, usage, and technical specifications.</p>
	<p>Einhell TC-SM 2131/1 Dual Торцовочная пила Руководство пользователя</p> <p>Полное руководство пользователя для торцовочной пилы Einhell TC-SM 2131/1 Dual, охватывающее безопасность, эксплуатацию, технические характеристики, обслуживание и гарантию. Содержит подробные инструкции и схемы.</p>