

Scheppach HM254

Scheppach HM254 Mitre Saw and UMF2000 Support Stand Instruction Manual

Model: HM254, UMF2000 | Brand: Scheppach

1. IMPORTANT SAFETY INSTRUCTIONS

Always observe basic safety precautions when operating power tools to reduce the risk of fire, electric shock, and personal injury. Read all instructions carefully before use.

- **Work Area Safety:** Keep the 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. Avoid body contact with earthed or grounded surfaces.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating noisy tools. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **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.
- **Mitre Saw Specific Safety:** Ensure the blade guard is always in place and functioning correctly. Keep hands away from the cutting area. Secure the workpiece firmly before cutting. Allow the blade to reach full speed before beginning a cut.
- **Laser Safety:** Do not stare directly into the laser beam. Avoid directing the laser beam at other persons or reflective surfaces.

2. PRODUCT OVERVIEW

The Scheppach HM254 Mitre Saw is a powerful tool designed for precise cutting of wood, plastic, and aluminum. It comes bundled with the UMF2000 Support Stand for enhanced stability and versatility.

Kit Contents:

- Scheppach HM 254 Mitre Saw
- HW 48T Saw Blade
- HW 60T Saw Blade
- Scheppach UMF 2000 Support Stand

Key Features:

- **Powerful Motor:** 2000W motor for versatile cutting tasks.
- **Precision Laser Guide:** Integrated laser for accurate cutting line indication.
- **Wide Cutting Capacity:** Up to 340 mm cutting width and 90 mm cutting height.

- **Soft Start:** Ensures a smooth and controlled start-up.
- **Durable Construction:** Stable and lightweight die-cast aluminum frame.
- **Enhanced Safety:** Fully enclosed blade guard.
- **UMF2000 Support Stand:** Provides ergonomic working height, lightweight yet sturdy construction, universal machine grip, and a maximum load capacity of 250 kg. Features extendable side supports for long workpieces.



Figure 1: Scheppach HM254 Mitre Saw with UMF2000 Support Stand. This image displays the complete product package, including the mitre saw and its accompanying support stand, highlighting their combined functionality.

3. SETUP

Unpacking and Inspection:

1. Carefully remove all components from the packaging.
2. Verify that all listed kit contents are present.
3. Inspect all parts for any signs of shipping damage. Do not operate the tool if damage is found.

HM254 Mitre Saw Assembly:

1. **Blade Installation:** Ensure the saw is unplugged. Open the blade guard. Carefully mount the desired saw blade (HW 48T for general purpose, HW 60T for finer cuts) onto the arbor, ensuring the rotation direction matches the arrow on the guard. Secure with the arbor nut.
2. **Base Mounting:** Secure the saw to a stable workbench or the UMF2000 support stand using appropriate bolts and nuts.
3. **Adjustments:** Familiarize yourself with the miter angle, bevel angle, and depth adjustment mechanisms. Refer to the markings for common angles.
4. **Laser Alignment:** The laser guide is pre-calibrated, but check its alignment with a test cut on scrap material. Adjust if necessary according to the detailed instructions in the full manual.



Figure 2: Scheppach HM254 Mitre Saw with included saw blades. This image shows the mitre saw alongside the two different saw blades (48T and 60T) provided, illustrating the blade options for various cutting tasks.

UMF2000 Support Stand Assembly:

1. **Leg Setup:** Unfold the legs of the UMF2000 stand and ensure they are securely locked in place.
2. **Attaching the Saw:** Place the HM254 mitre saw onto the universal adjustable machine grips of the UMF2000 stand. Secure the saw using the provided clamps or bolts.
3. **Adjusting Support Arms:** Extend the side support arms to the desired length for supporting long workpieces. Adjust the height of the support rollers to match the saw's cutting surface.



Figure 3: Scheppach UMF2000 Support Stand. This image displays the UMF2000 support stand in its assembled state, highlighting its extendable arms and sturdy construction, ready to support a mitre saw.

4. OPERATION

General Operation:

1. **Power Connection:** Connect the saw to a 230V power supply. Ensure the power outlet is properly grounded.
2. **Material Suitability:** The HM254 is suitable for cutting wood, plastic, and aluminum. Always use the appropriate blade for the material.
3. **Workpiece Securement:** Always clamp the workpiece firmly to the fence and table before making any cut. Never hold the workpiece by hand.

Cutting Procedures:

- **Miter Cuts:** Adjust the turntable to the desired angle (left or right). Lock the turntable securely.
- **Bevel Cuts:** Adjust the saw head to the desired bevel angle (typically left only for this model). Lock the saw head securely.
- **Compound Cuts:** Combine miter and bevel adjustments for complex angles.
- **Using the Laser Guide:** Activate the laser to project a cutting line onto the workpiece. Align the workpiece with this line for precise cuts.
- **Making a Cut:** With the workpiece secured, depress the trigger to start the saw. Allow the blade to reach full speed (soft start will manage this smoothly). Slowly lower the saw head through the material. Once the cut is complete, release the trigger and allow the blade to stop completely before raising the saw head.



Figure 4: Scheppach HM254 Mitre Saw in a workshop setting. This image shows the mitre saw positioned on a workbench with various pieces of wood, demonstrating its intended use for woodworking tasks.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Scheppach HM254 Mitre Saw and UMF2000 Support Stand.

Cleaning:

- **Sawdust Removal:** After each use, disconnect the saw from power and use a brush or vacuum cleaner to remove sawdust and debris from the motor vents, blade guard, and table.
- **Blade Cleaning:** Periodically clean the saw blade to remove resin and pitch buildup, which can affect cutting performance. Use a suitable blade cleaner.

Blade Replacement:

1. **Safety First:** Always unplug the saw before attempting to change the blade.
2. **Remove Old Blade:** Use the provided wrench to loosen the arbor nut while holding the blade still with the blade lock button. Carefully remove the old blade.
3. **Install New Blade:** Place the new 255mm blade onto the arbor, ensuring the teeth are oriented correctly for cutting (matching the rotation arrow). Tighten the arbor nut securely.

Lubrication:

Periodically apply a light machine oil to moving parts, such as the sliding mechanism and pivot points, to ensure smooth operation. Avoid lubricating electrical components.

Storage:

Store the saw and stand in a clean, dry, and secure location, out of reach of children. Protect the blade from damage during storage.

6. TROUBLESHOOTING

This section addresses common issues you might encounter during the operation of your mitre saw.

- **Saw Not Starting:**

- Check if the power cord is securely plugged into a live outlet.
- Verify that the circuit breaker has not tripped.
- Ensure the safety switch or trigger lock is fully engaged.
- **Inaccurate Cuts:**
 - Check if the blade is dull or damaged and replace if necessary.
 - Ensure the workpiece is clamped securely and not shifting during the cut.
 - Verify that all angle adjustments (miter, bevel) are locked tightly.
 - Calibrate the laser guide if it appears misaligned.
- **Excessive Vibration or Noise:**
 - Inspect the blade for damage, missing teeth, or improper installation.
 - Ensure all mounting bolts for the saw and stand are tight.
 - Check for any loose components or debris within the saw mechanism.
- **Blade Binding in Material:**
 - Ensure the workpiece is properly supported and not pinching the blade.
 - Do not force the saw; allow the blade to cut at its own pace.
 - Check if the blade is dull or has excessive resin buildup.

7. SPECIFICATIONS

Scheppach HM254 Mitre Saw:

- **Input Power:** 2000W
- **Voltage:** 230V
- **Blade Diameter:** 255 mm
- **Blade Rotation Speed:** 4500 RPM
- **Cutting Width (90°/90°):** 340 x 90 mm
- **Cutting Width (90°/45°):** 340 x 45 mm
- **Cutting Width (45°/90°):** 240 x 90 mm
- **Cutting Width (45°/45°):** 240 x 45 mm
- **Dimensions (L x W x H):** 770 x 595 x 590 mm
- **Weight:** 14.3 kg
- **Blade Material:** Aluminum Oxide (for included blades)
- **Surface Recommendation:** Aluminum, Plastic, Wood

Scheppach UMF2000 Support Stand:


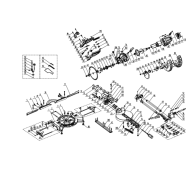
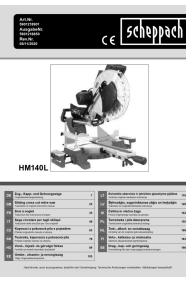

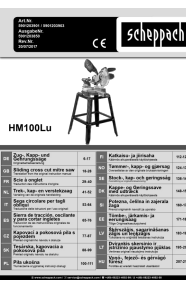
- **Maximum Load Capacity:** 250 kg
- **Length (Extendable Supports):** 1160 - 2000 mm
- **Height with Support Arm:** 900 mm
- **Table Width:** Max. 375 mm
- **Weight:** 13.5 kg

8. WARRANTY AND SUPPORT

Scheppach products are manufactured to high-quality standards and undergo strict quality controls. This product is covered by a manufacturer's warranty against defects in materials and workmanship.

For warranty claims, technical support, or spare parts, please contact your authorized Scheppach dealer or visit the official Scheppach website for detailed contact information.

Related Documents - HM254

	<p>Scheppach HM254 Kapp-, Zug- und Gehrungssäge: Offizielle Bedienungsanleitung & Technische Daten</p> <p>Entdecken Sie die Scheppach HM254 Kapp-, Zug- und Gehrungssäge mit dieser umfassenden Bedienungsanleitung. Erfahren Sie mehr über sichere Handhabung, technische Daten, Montage und Wartung dieses leistungsstarken Holzbearbeitungswerkzeugs.</p>
	<p>Scheppach HM216 Sliding Mitre Saw Spare Parts List</p> <p>Detailed spare parts list for the Scheppach HM216 Sliding Mitre Saw, including part numbers, descriptions, and diagram references. This document provides essential information for maintenance and repair.</p>
	<p>scheppach HM140L Zug-, Kapp- und Gehrungssäge Bedienungsanleitung</p> <p>Umfassende Bedienungsanleitung für die scheppach HM140L Zug-, Kapp- und Gehrungssäge. Enthält Sicherheitshinweise, technische Daten und Anleitungen zur Montage und Bedienung.</p>
	<p>Scheppach HM80MP Zug-, Kapp- und Gehrungssäge Bedienungsanleitung</p> <p>Umfassende Bedienungsanleitung für die Scheppach HM80MP Zug-, Kapp- und Gehrungssäge, inklusive Sicherheitshinweisen, technischen Daten und Anleitungen zur Wartung und Fehlerbehebung.</p>
	<p>scheppach HM100Lu Zug-, Kapp- und Gehrungssäge Bedienungsanleitung</p> <p>Umfassende Bedienungsanleitung für die scheppach HM100Lu Zug-, Kapp- und Gehrungssäge. Enthält Sicherheitshinweise, technische Daten, Montage-, Bedienungs- und Wartungsanleitungen.</p>



[scheppach HM210L Kapp- und Gehrungssäge Bedienungsanleitung](#)

Umfassende Bedienungsanleitung für die scheppach HM210L Kapp- und Gehrungssäge. Enthält Sicherheitshinweise, technische Daten und Anleitungen für präzise Holzschnitte.